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

Monthly Environmental Monitoring and Audit Report (No. 7) – June 2023 2023-07-13



Our Ref.: CL/91823/0556-VES Date: 13 July 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



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

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Re: Contract No. EP/SP/77/15 North-East New Territories Landfill Extension (NENTX) Monthly Environmental Monitoring and Audit Report (No.7) – June 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.7) – June 2023" dated 13 July 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

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Ref: P521530-0000-REP-NN-0062

By Email

13 July 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.7) – June 2023" dated 13 July 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.7) June 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 7<sup>th</sup> Monthly EM&A Report presents the EM&A works conducted from 1 to 30 June 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, B2/E2, E3-1 & E4
-	Installation of permanent fencing at Portion A, B1 & E4
-	Site formation at Portion A & E3-1
-	Tree felling at Portion B2/E1, 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	6 times	2, 8, 14, 20, 26 & 30 June 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	8, 14, 21 & 26 June 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	21 June 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	25 times	1 to 3, 5 to 10, 12 to 17, 19 to 21, 23 to 24, 26 to 30 June 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	7 June 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	1 time	16 June 2023
-	Joint Environmental Site Inspection	4 times	5, 12, 19 & 26 June 2023

#### **Environmental Exceedance**

#### Air Quality, Noise & Landfill Gas Monitoring

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

#### Surface Water Quality Monitoring

No exceedance of the Action Level was recorded at designated monitoring stations during the reporting period. 1 Turbidity exceedance of the Limit Level was recorded at WM2 during the reporting period. The investigation results will be presented when the investigation of limit level exceedance of surface water quality is finished.

#### Environmental Non-conformance/Compliant/Summons and Prosecution

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

1 complaint & 1 enquiry were recorded during the reporting period. The investigation results will be presented when the investigation was finished.

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.

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

Table 1-1	Nature, Scale and Sco	pe of the captioned	Designated Project
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# 1.3. Purpose of this Report

1.3.1. This is the 7<sup>th</sup> Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 to 30 June 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	Ms. Kristy Wong	2902 5260
(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	11 <sup>th</sup> post-transplantation monitoring
			(16 Jun 2023)
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Translocation was carried out and the report submitted.
			11 <sup>th</sup> post-translocation monitoring
			(7 Jun 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
Construction Noise Permit	GW-RN0619-23	22 September 2023	Permit granted on 16 June 2023 (replaced the CNP No. GW- RN0299-23)
Effluent Discharge License under Water Pollution Control Ordinance	WT00042301-2022	31 October 2027	Permit granted on 18 October 2022 Variation of Licence (Permit granted on 7 February 2023)

# 2.5. Environmental Monitoring and Audit Progress

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

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

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	6 times	2, 8, 14, 20, 26 & 30 June 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	8, 14, 21 & 26 June 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	21 June 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	25 times	1 to 3, 5 to 10, 12 to 17, 19 to 21, 23 to 24, 26 to 30 June 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	7 June 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	1 time	16 June 2023
-	Joint Environmental Site Inspection	4 times	5, 12, 19 & 26 June 2023

#### **Air Quality**

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

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

#### Noise

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

#### Groundwater

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 Levels of surface water quality was recorded during the reporting period. 1 turbidity exceedance of Limit Levels of surface water quality at

WM2 was recorded during the reporting period. The investigation results will be presented when the investigation of limit level exceedance of surface water quality is finished.

#### Landfill Gas

25 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**

4 weekly environmental site inspections were carried out during the reporting period. A joint environmental site inspection was carried out by the representatives of the Employer's Representative (ER), the Contractor, IEC and the ET on 19 June 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
	1-hr TSP	At least 3 times per 6 days
AM1, AM2, AM3	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)	1105) 170X 5 Jul 2023	AM1
High Volume Sampler (HVS)	TE-5170X (S/N: 1106)		AM2
	TE-5170X (S/N: 1856)		AM3
	Sibata LD- 5R (S/N: 0Z4545)		
	Sibata LD- 5R (S/N: 882106)		
Direct Reading Dust Meter	Sibata LD- 5R (S/N: 882110)	2 Dec 2023	AM1 to AM3
	Sibata LD- 5R (S/N: 942532)		
Calibration Kit (for HVS)	TE-5025A (S/N: 3465)	28 Jun 2023	AM1 to AM3

#### Table 3-3 Dust Monitoring Equipment

Remarks:

The Expiry Date of Calibration Kit (for HVS) reflected that the calibration certificate fulfils the bi-monthly calibration interval requirement for the HVS.

# 3.1.4 Monitoring Methodology

#### 1-hr TSP Monitoring

3.1.4.1 The 1-hr TSP impact monitoring was conducted using a portable direct reading dust meter.

**Measuring Procedures** 

3.1.4.2 The measuring procedures of the 1-hr dust meter has been undertaken in accordance with the Manufacturer's Instruction Manual as follows:

#### Procedure of starting monitoring

- Place the 1-hr dust meter at least 1.3m above ground;
- Turn on the "On/Off" button at the side of instrument. Program will be changed to "BG" mode and leave it for 1 minute.
- Pull out the Suction adaptor and turn the button at the side. Cover with hand at the suction adaptor measure the background for 10 seconds.
- Press " UP" and " DOWN" for choosing "SPAM Mode" for SPAM Measurement.
- Press "Up" and "Down" to select "Measurement Mode" with 60 minutes interval and unit in ug/m3.
- Press "Start/Stop" to start monitoring.

Procedure of setting measurement timer

- Press "Up" or "Down" to find "Setting LOG".
- Select "Record Cycle" and change the record time subject to different project requirement. For example, setting the record cycle as 60 minutes for normal operation.
- Press "ESCAPE" back to the main page.
- Press "Up" or "Down" to access "Measurement Timer" and select "Measurement time" to change the time to 3 hours.
- Information such as sampling date, time, count value and site condition will be recorded during the monitoring period.

#### Calibration & Maintenance

- 3.1.4.3 The direct reading dust meters will be verified against calibrated high volume samples (HVSs) annually. A 2-day, three 3-hour measurement results per day from direct reading dust meter will be taken to compare with the sampling results from the HVS. The correlation between the direct reading dust meter and the HVS will then be concluded. By accounting for the correlation factor, the direct reading dust meter will be considered to achieve comparable results as that of the HVS.
- 3.1.4.4 All digital dust indicator will be calibrated with on-site HVS annually. Calibration certificate will be provided after calibration. The Calibration process shall eyewitness with the representative of ET & IEC.

Quality Audit

- 3.1.4.5 Checklist of regular checking for digital dust meter will be conducted bi-weekly by environmental technician to ensure the all-digital dust meter are in good condition and submitted to supervisors. All checklists will be kept by supervisors.
- 3.1.4.6 Logbook is provided to environmental technician record the transferal of equipment to other colleagues, reporting to supervisors is required.

#### 24-hr TSP Monitoring

3.1.4.7 The 24-hr TSP monitoring has been conducted using a High-Volume Sampler (HVS).

#### Measuring Procedures

- 3.1.4.8 The HVS has been set-up at the monitoring location with a fixed power supply for operation. The measuring procedures of the 24-hr TSP measurements has been undertaken in accordance with the specifications listed in the EM&A Manual. Each HVS includes a motor, a filter holder, a flow controller and a sampling inlet in accordance with the performance specification of the USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50), Appendix B. The measuring procedures of the 24-hr dust meter was undertaken in accordance with the Manufacturer's Instruction Manual as follows:
  - The power supply will be checked to ensure the HVS works properly;
  - The filter holder and the area surrounding the filter will be cleaned;
  - The filter holder will be removed by loosening the four bolts and a new filter on a supporting screen will be aligned carefully;
  - The filter will be properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
  - The swing bolts will be fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
  - The shelter lid will be closed and secured with the aluminium strip;
  - The HVS will be warmed-up to establish run-temperature conditions;
  - A new flowrate record sheet will be set into the flow recorder;
  - The programmable timer will be set for a sampling period of 24 hour, and the starting time, weather condition and the filter number will be recorded;
  - The initial elapsed time will be recorded;
  - At the end of sampling, the sampled filter will be removed carefully and folded in 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	28 (15 – 38)	>285	>500
AM2	31 (21 – 45)	>279	>500
AM3	33 (21 – 45)	>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	47 (28 – 95)	>164	>260
AM2	41 (32 – 54)	>152	>260
AM3	82 (43 – 130)	>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	4 5 5 70 5		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	<ul> <li>Identify source</li> <li>Prepare Notification of Exceedance</li> <li>Inform IEC and Contractor</li> <li>Repeat measurement to confirm findings</li> <li>Increase monitoring frequency to daily if exceedance is due to the Project and continue until the monitoring results reduce to below action level</li> </ul>	<ul> <li>Verify the Notification of Exceedance</li> <li>Check monitoring data submitted by ET and Contractor's working methods</li> <li>Discuss with ET and Contractor on proposed remedial measures</li> </ul>	<ul> <li>Rectify any unacceptable practice</li> <li>Amend working methods if appropriate</li> </ul>
Exceedance for two or more consecutive samples	<ul> <li>Identify source</li> <li>Prepare Notification of Exceedance</li> <li>Inform Contractor and IEC</li> <li>Repeat measurements to confirm findings</li> <li>Increase monitoring frequency to daily if exceedance is due to the Project and continue until the monitoring results reduce to below action level</li> <li>Discuss with IEC for remedial action required</li> <li>Ensure remedial measures are properly implemented</li> <li>Continue monitoring at daily intervals if exceedance is due to the Project</li> <li>If no exceedance for 3 consecutive days, cease additional monitoring</li> </ul>	<ul> <li>Verify the Notification of Exceedance</li> <li>Check monitoring data submitted by ET and Contractor's working methods</li> <li>Discuss with ET and Contractor on proposed remedial measures</li> <li>Review with analysed results submitted by ET</li> <li>Review the proposed remedial measures by Contractor</li> <li>Supervise the implementation of remedial measures</li> </ul>	<ul> <li>Submit proposals for remedial actions to IEC within 3 working days of notification</li> <li>Implement the agreed proposals</li> <li>Amend proposal if appropriate</li> </ul>

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

# 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 <sub>Aeq</sub> (30mins) average of 6 consecutive L <sub>eq</sub> (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	58.6	When one	
	(53.5 – 61.5)	documented	
NM2a	53.9	complaint is	>75dB(A)
	(48.5 – 57.7)	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	<ul> <li>Identify source, investigate the causes of exceedance</li> <li>Prepare Notification of Exceedance</li> <li>Inform IEC and Contractor</li> <li>Report the results of investigation to IEC, and Contractor</li> <li>Discuss with Contractor and IEC for formulate remedial measures</li> <li>Ensure remedial measures are properly implemented</li> <li>Have additional monitoring if exceedance is due to the Project. If exceedance stops, cease additional monitoring</li> </ul>	<ul> <li>Verify the Notification of Exceedance</li> <li>Review the analysed results submitted by ET</li> <li>Discuss with ET, and Contractor on the potential remedial actions</li> <li>Review the proposed remedial measures</li> <li>Supervise the implementation of remedial measures</li> </ul>	<ul> <li>Submit noise mitigation proposals to IEC</li> <li>Implement the agreed noise mitigation proposals</li> </ul>
Exceedance of Limit Level	<ul> <li>Identify source, investigate the causes of exceedance</li> <li>Prepare Notification of Exceedance</li> <li>Inform IEC and Contractor</li> <li>Repeat measurements to confirm findings</li> <li>Discuss with Contractor and IEC for remedial measures</li> <li>Ensure remedial measures are properly implemented</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC and EPD informed of the results</li> <li>Have additional monitoring if exceedance is due to the Project. If exceedance stops, cease additional monitoring</li> </ul>	<ul> <li>Verify the Notification of Exceedance</li> <li>Review the analysed results submitted by ET</li> <li>Discuss with ET, and Contractor on the potential remedial actions</li> <li>Review the proposed remedial measures</li> <li>Supervise the implementation of remedial measures</li> </ul>	<ul> <li>Take immediate action to avoid further exceedance</li> <li>Submit proposals for remedial actions to IEC of notification</li> <li>Implement the agreed proposals</li> <li>Resubmit proposals if problem still not under control</li> <li>Stop the relevant portion of works as determined by project proponent until the exceedance is abated.</li> </ul>

# 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 21 June 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 <sub>5</sub> , 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	HORIBA U-53 (S/N: PORBNFNT)	16 Aug 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	APHA 5220 C
BOD <sub>5</sub>	3 mg/L	2 mg/L	АРНА 5210 В
TOC	1 mg/L	1 mg/L	APHA 5310 B
SS	0.1 mg/L	0.1 mg/L	APHA 2540 D
Ammonia-nitrogen	0.2 mg/L	0.01 mg/L	APHA 4500 NH3 G
TKN	0.4 mg/L	0.1 mg/L	APHA 4500Norg: D
Nitrate	0.5 mg/L	0.01 mg/L	APHA 4500 NO3 I
Sulphate	5 mg/L	1 mg/L	USEPA 375.4
Sulphite	2 mg/L	2 mg/L	APHA 4500 SO3 B
Phosphate	0.01 mg/L	0.01 mg/L	APHA 4500-P B & F
Chloride	0.5 mg/L	0.5 mg/L	USEPA 325.1
Sodium	50 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 21 June 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.

# 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	7.1	>7.7	>7.8	7.2	>7.6	>7.7
Electrical Conductivity in µS/cm	73			142		
DO in mg/L	7.6	<7.4	<4	6.8	<5	<4
Turbidity in NTU	5.7	>9.2	>9.5	142.5	>108.3	>108.9
SS in mg/L	6.6	>9.7	>11.4	83.2	>94.5	>94.7
Alkalinity	15			35		
COD	9			14		
BOD <sub>5</sub>	<2			<2		
тос	2			2		
Ammonia- nitrogen	<0.01					
TKN	0.6			0.8		
Nitrate	0.06			0.32		
Sulphate	2			17		
Sulphite	<2					
Phosphate	0.01			<0.01		
Chloride	6			11		
Sodium	6750	-		6830	-	
Mg	540			1560		
Са	3340			18600		
К	830			3050		
Fe	570			3850		
Ni	<1			12.0		
Zn	13			51		
Mn	34			509		
Cu	1					
Pb	1					
Cd	<0.2					
Coliform Count	220			4200		
Oil and Grease	<5			<5		

- 5.2.5.4 No exceedance of Action Levels of surface water monitoring was recorded during the reporting period. 1 turbidity exceedance of Limit Levels of surface water quality at WM2 was recorded during the reporting period.
- 5.2.5.5 The Summary of Impact Surface Water Quality Exceedance are shown in **Table 5-6**. The Notification of Environmental Quality Limits Exceedances will be presented in the report after the investigation.

Water	Parameter					-
Quality Monitoring Station	Level Exceedance	рН	DO	Turbidity	SS	Exceedance Count
WM1	Action	0	0	0	0	0
	Limit	0	0	0	0	0
WM2	Action	0	0	0	0	0
	Limit	0	0	1	0	1
				(21 Jun 23) #		

# Table 5-6 Summary of Impact Surface Water Quality Exceedance during the reporting period

Remarks:

(1) # The investigation results will be presented in the report after the investigation.

(2) \* equal to non-project related

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

#### North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 7) – June 2023

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

## 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 11,211 tonnes of C&D materials was reused at alternative disposal ground (NENT Landfill) during the reporting period. A total of 2.38 tonnes of Yard waste (collected to Y-Park) was generated during the reporting period. A total of 14.69 tonnes of general refuse and A total of 346.82 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:
  - CH<sub>4</sub>: >10% Lower Explosion Limit (LEL);
  - CO<sub>2</sub>: >0.5%; and
  - O<sub>2</sub>: <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
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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			Expiry Date	
CH4 & O2	Gas Detector	PS200 (S/N: 373075)	16 Nov 2023	
CO <sub>2</sub>	Gas Analyser	GEM5000 (S/N: G508566)	16 Aug 2023	

Parameters	Detection Limit
CH <sub>4</sub>	1% LEL
O <sub>2</sub>	0.1%
CO <sub>2</sub>	0.1%

#### 7.4 Event and Action Plan (EAP)

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

Table 7-4 Action	Plan for the	monitorina	durina	construction phase	е
		monitoring	aaring	construction phus	•

Parameter	Monitoring Result	Action
Oxygen (O2)	Action Level <19% O <sub>2</sub>	Ventilate trench/void to restore O <sub>2</sub> to >19%
	Limit Level <18% O <sub>2</sub>	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore O <sub>2</sub> to >19%
Methane (CH₄)	Action Level >10% LEL*	Prohibit hot works Increase ventilation to restore CH4 to <10% LEL
	Limit Level >20% LEL*	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CH <sub>4</sub> to <10% LEL
Carbon dioxide (CO2)	Action Level** >0.5%** CO <sub>2</sub>	Ventilate to restore CO <sub>2</sub> to <0.5%
	Limit Level >1.5% CO <sub>2</sub>	Stop works Evacuate personnel / prohibit entry Increase ventilation to restore CO <sub>2</sub> to <0.5%

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

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

Depending on the baseline CO<sub>2</sub> 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 June 2023 (Conducted on working days). The LFG monitoring results are summarized in **Table 7-5**.

LFG	Summary o Monitoring	Monitoring Parameter(s)			
Monitoring	Date	CH₄ in %	LEL in %/v	CO <sub>2</sub> in %	O <sub>2</sub> in %
Station			Average Mo	onitoring Results	
	1 Jun 2023	0	0	0	20.3
	2 Jun 2023	0	0	0	20.3
	3 Jun 2023	0	0	0	20.2
	5 Jun 2023	0	0	0	20.3
	6 Jun 2023	0	0	0	20.1
	7 Jun 2023	0	0	0	20.2
	8 Jun 2023	0	0	0	20.2
	9 Jun 2023	0	0	0	20.2
	10 Jun 2023	0	0	0	20.2
	12 Jun 2023	0	0	0	20.1
	13 Jun 2023	0	0	0	20.2
Portion A +55	14 Jun 2023	0	0	0	20.3
mpD to 70	15 Jun 2023	0	0	0	20.2
mpD Platform	16 Jun 2023	0	0	0	20.3
	17 Jun 2023	0	0	0	20.2
	19 Jun 2023	0	0	0	20.1
	20 Jun 2023	0	0	0	20.2
	21 Jun 2023	0	0	0	20.1
	23 Jun 2023	0	0	0	20.1
	24 Jun 2023	0	0	0	20.2
	26 Jun 2023	0	0	0	20.2
	27 Jun 2023	0	0	0	20.2
	28 Jun 2023	0	0	0	20.2
-	29 Jun 2023	0	0	0	20.1
	30 Jun 2023	0	0	0	20.1
Action		>10% LEL		>0.5%** CO <sub>2</sub>	<19%

#### 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 CO<sub>2</sub> at 0.5% is set for reference only, assuming no CO<sub>2</sub> 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 7 Jun 2023 based on the requirement of the approved Revised Translocation Proposal for the Endemic Freshwater Crab Somanniathelphusa zanklon. The 11<sup>th</sup> Post-Translocation Monitoring Report (Jun 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 16 Jun 2023 based on the requirement of the approved Transplantation Proposal for Plant Species of Conservation Importance (Rev.1). The 11<sup>th</sup> Post-transplantation Monitoring and Audit Report (16<sup>th</sup> Jun 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 Monitoring Date No.			
Post-	1 <sup>st</sup> (Aug 2022)	29 Aug 2022		
translocation	2 <sup>nd</sup> (Sep 2022)	28 Sep 2022		
Monitoring	3 <sup>rd</sup> (Oct 2022)	28 Oct 2022		
	4 <sup>th</sup> (Nov 2022)	22 Nov 2022		
	5 <sup>th</sup> (Dec 2022)	29 Dec 2022		
	6 <sup>th</sup> (Jan 2023)	30 Jan 2023		
	7 <sup>th</sup> (Feb 2023)	24 Feb 2023		
	8 <sup>th</sup> (Mar 2023)	20 Mar 2023		
	9 <sup>th</sup> (Apr 2023)	19 Apr 2023		
	10 <sup>th</sup> (May 2023)	17 May 2023		
	11 <sup>th</sup> (Jun 2023)	7 Jun 2023		
Post-	1 <sup>st</sup>	24 Nov 2022		
transplantation	2 <sup>nd</sup>	9 Dec 2022		
Monitoring	3 <sup>rd</sup>	21 Dec 2022		
	4 <sup>th</sup>	13 Jan 2023		
	5 <sup>th</sup>	26 Jan 2023		
	6 <sup>th</sup>	8 Feb 2023		
	7 <sup>th</sup>	24 Feb 2023		
	8 <sup>th</sup>	20 Mar 2023		
	9 <sup>th</sup>	21 Apr 2023		
	10 <sup>th</sup>	12 May 2023		
	11 <sup>th</sup>	16 June 2023		

#### Table 10-1 Milestone 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 5, 12,19 & 26 Jun 2023. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 19 Jun 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:

#### 05 Jun 2023

Observation(s):

The accumulate water was found the drip tray at Portion D. The contractor was recommended that the accumulate water in drip tray should be cleared regularly and after rainy to minimize the potential chemical waste.

#### Reminder(s):

• The contractor was reminded that the particular attention should be paid to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.

#### <u>12 Jun 2023</u>

Observation(s):

- The stagnant water and silt in the drip trays shall be clear off in Portion B2 and SBA. The Contractor was recommended to clear drip trays.
- Watering shall be scheduled in Portion A under hot weather. The Contractor was recommended to schedule watering in Portion A.

#### Reminder(s):

• The Contractor was reminded to ensure channel and silt removal facilities shall be functioning properly for the upcoming rainfall. Silt removal facility and channel shall be maintained properly.

#### <u>19 Jun 2023</u>

Reminder(s):

- The Contractor was reminded to ensure silt removal facilities shall be functioning properly for the upcoming rainfall. Silt removal facility shall be functioning properly to ensure sufficient treatment for all wastewater before discharging to comply with WPCO.
- The Contractor was reminded that the bunding along the slope edge shall be properly maintained to prevent surface runoff during heavy rainfall at Portion A. Earth bund in Portion A shall be properly maintained.

#### 26 Jun 2023

Observation(s):

- The sediment at the drainage system and site boundary, especially at the lower elevations should be kept cleaning regularly. (Most of sediment was found at the lower elevations of Portion A). The contractor should ensure no untreated construction runoff discharging directly outside the site boundary of the project. The contractor was recommended that the sediment at the drainage system and site boundary, especially at the lower elevations should be kept cleaning regularly.
- The accumulate water at the drip tray near Portion E2 was found. The contractor was recommended that the accumulate water at the drip tray near Portion E2 should be cleaned after the rainy to minimize the potential chemical waste.

Reminder(s):

- The unpaved assess road was dry. The contractor was reminded to increase the frequency of watering at the Portion A.
- **11.1.4** 1 general site inspection on 12 June 2023 was conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG). 1 additional site inspection on 21 June 2023 for the Environmental Complaint received on 14 June 2023 & the Environmental Enquiry received on 15 June 2023 was conducted with EPD-RNG, ER, IC, IEC ET & Contractor.

# **12 Environmental Non-conformance**

#### 12.1 Summary of Monitoring Exceedance

**12.1.1** No exceedance of the Action Levels was recorded at designated monitoring stations during the reporting period. 1 Turbidity exceedance of the Limit Level for surface water quality was recorded at WM2 during the reporting period. The investigation results will be presented when the investigation of limit level exceedance of surface water quality is finished.

#### 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** 1 complaint & 1 enquiry received from EPD-RNG on 14 & 15 June 2023 were recorded during the reporting period. The related complaint and enquiry are investigating by related parties in accordance with the requirement of EM&A Manual.

#### Environmental Complaint on 14 June 2023

**12.3.2** The complaint about the water aspect was received by ET on 14 June 2023 at 12:08 via EPD-RNG email. The main content of the complaint mentioned the muddy water was observed at Lin Ma Hang International Bridge on 30 May 2023. The related investigation results will be presented when the investigation was finished.

Environmental Enquiry on 15 June 2023

- **12.3.3** The enquiry about the water aspect was received by ET on 15 June 2023 at 15:18 via EPD-RNG email. The main content of the enquiry mentioned the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Point from EPD). The related investigation results will be presented when the investigation was finished.
- 12.3.4 The cumulative statistics on environmental complaints are presented in Table 12-1.

Table 12-1	Cumulative Statistics on Environmental Complaints
------------	---

Reporting	Environmental Aspects Reporting					No. of Environmental
Period	Air Quality	Air Quality Noise Water Waste Ecology Quality				
Jun 2023	0	0	1#	0	0	0
Accumulate of project	1*	0	0	0	0	1*

Remarks:

- (1) \* equal to non-project related after the investigation
- (2) # equal to the investigation results will be presented in the report after the investigation.
- **12.3.5** Cumulative complaint / enquiry log, Summaries of complaints and enquiries & Environmental complaint reports are presented in **Appendix P**. The investigation results will be presented when the investigation was finished.

### 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**.

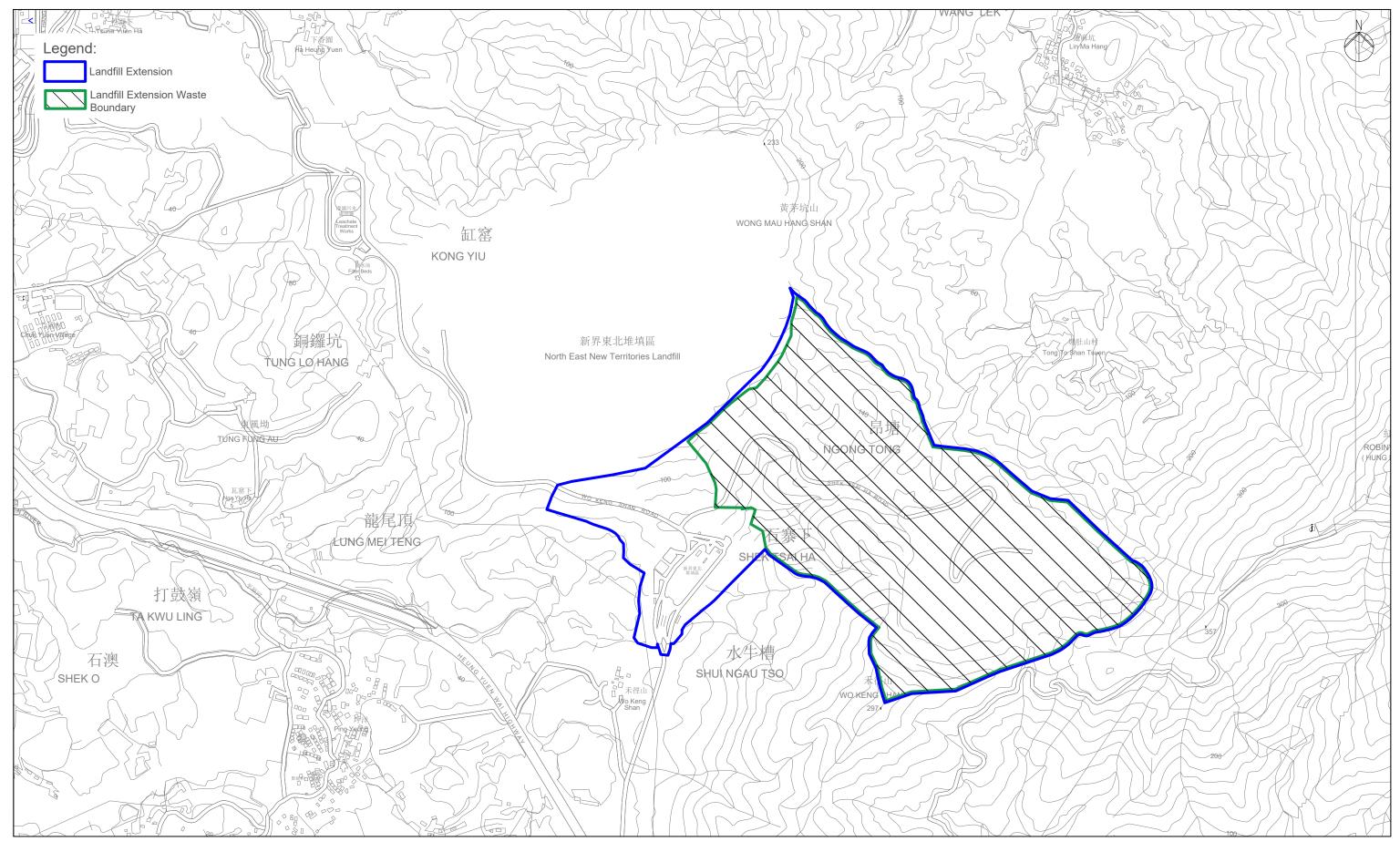
#### 14.3 Construction Programme for the Next Month

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

# **15 Conclusion**

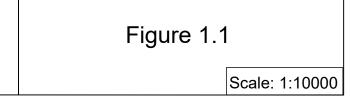
- **15.1.1** 1-hr & 24-hr TSP impact monitoring was carried out in the reporting month. No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring at AM1, AM2 & AM3 was recorded during the period.
- **15.1.2** Construction noise monitoring was carried out in the reporting month. No Action / 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 Level exceedance of surface water monitoring was recorded during the reporting period. 1 turbidity Limit Level exceedance of surface water quality at WM2 was recorded during the reporting period. The investigation results will be presented when the investigation of limit level exceedance of surface water quality is finished.
- **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** Four 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** 1 complaint & 1 enquiry received from EPD-RNG on 14 & 15 June 2023 were recorded during the reporting period. The related complaint and enquiry are investigating by related parties in accordance with the requirement of EM&A Manual. The investigation results will be presented when the investigation finished.
- **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

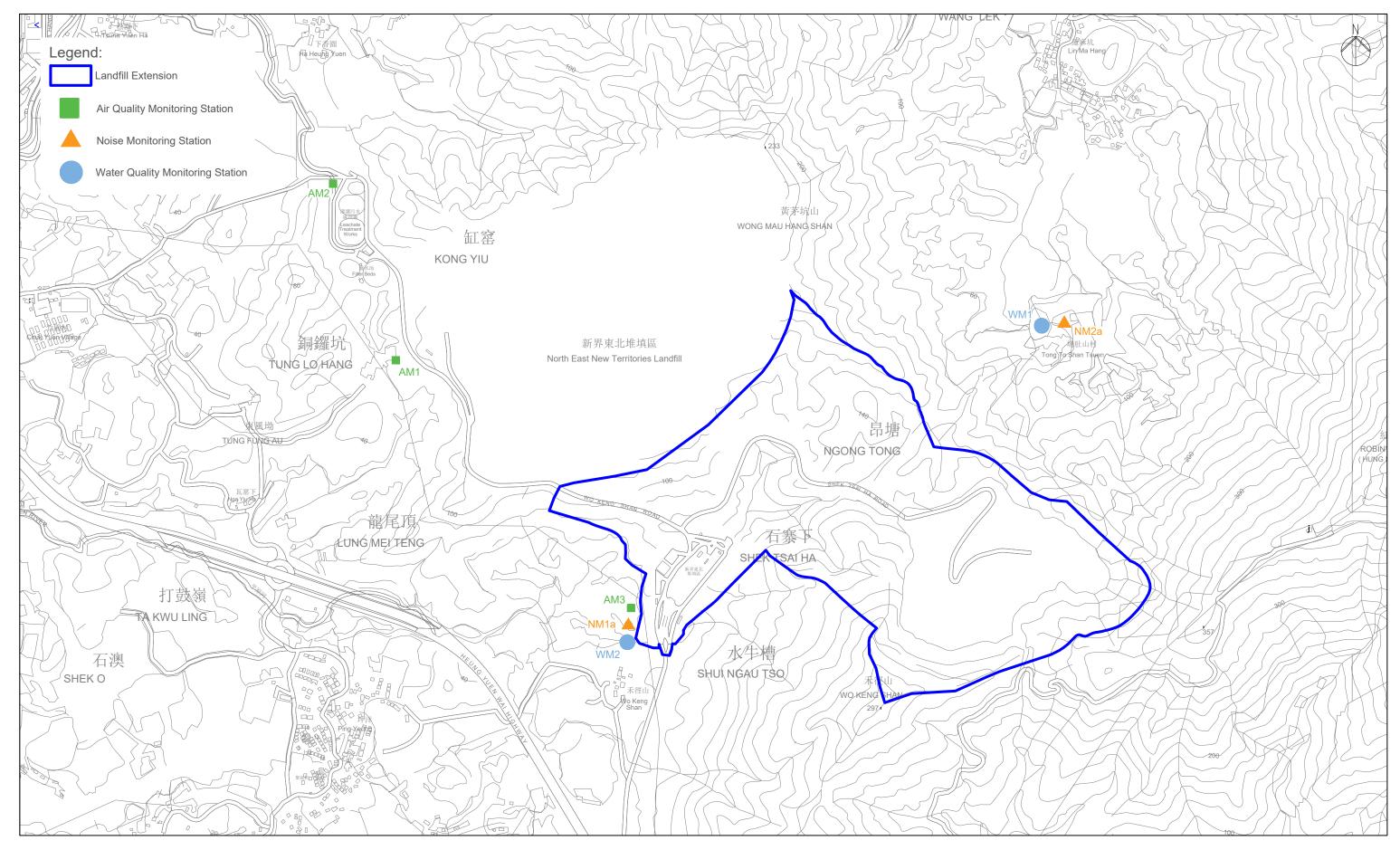


Aurecon Hong Kong Limited

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

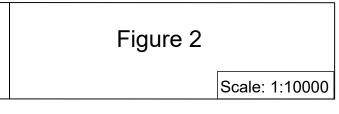


# Figure 2 Impact Air Quality, Noise & Surface Water Quality Monitoring Locations



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

Aurecon Hong Kong Limited



# Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point • Monitoring Frequency: 2 times per day

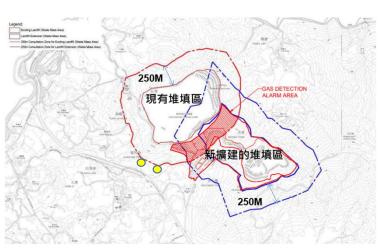
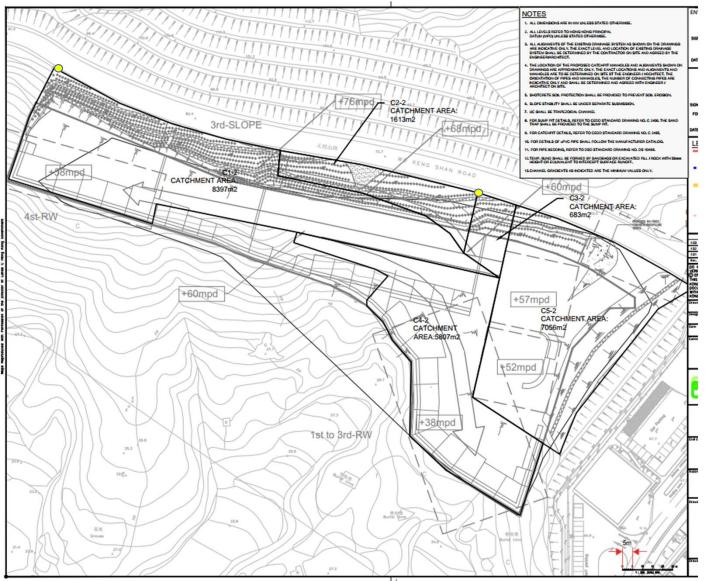


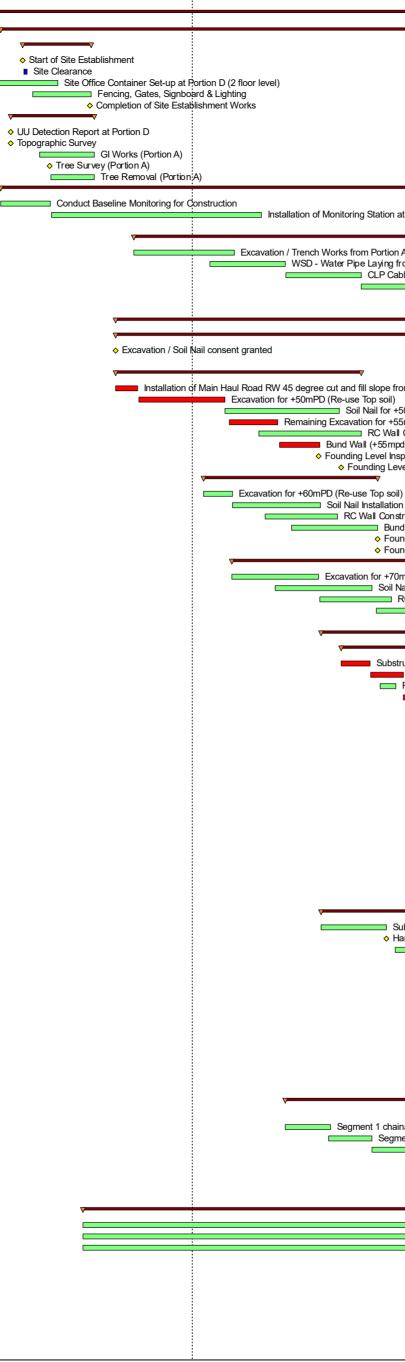
Figure 3 Landfill Gas Monitoring Locations



# Appendix A Construction Programme

X	Activity Name	1432	25-Jan-22 A	27-Dec-25	Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug           -1         1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19         20
	INITIAL WORKS PHASE 1	1432	25-Jan-22 A	27-Dec-25	✓
	ce Works & Site Establishment	1403	11-Apr-22 A	27-Nov-25	· · · · · · · · · · · · · · · · · · ·
STABLISHN	IENT AND MOBILISATION Start of Site Establishment	202 0	12-May-22 A 12-May-22 A	14-Aug-22	♦ Start of Site Establishment
	Site Clearance 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	Site Clearance           Site Office Container Set-up at Portion D (2 floor level)
	Fencing, Gates, Signboard & Lighting Completion of Site Establishment Works	80 0	25-May-22	14-Aug-22	Fencing, Gates, Signboard & Lighting  Completion of Site Establishment Works
EY & IN	IVESTIGATION WORKS	75	25-Apr-22 A	12-Aug-22 18-Aug-22	V
	UU Detection Report at Portion D Topographic Survey	0 0		25-Apr-22 A 25-Apr-22 A	UU Detection Report at Portion D     Topographic Survey
	GI Works (Portion Á)	75 0	04-Jun-22	18-Aug-22 17-Jun-22	GI Works (Portion A)
)	Tree Survey (Portion A) Tree Removal (Portion A)	59	19-Jun-22	18-Aug-22	Tree Removal (Portion A)
NMENTAL 8	MONITORING Conduct Baseline Monitoring for Construction	1138 60	11-Apr-22 11-Apr-22	27-Nov-25 18-Jun-22	Conduct Baseline Monitoring for Construction
9 0	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	Installation of Monitoring
	und UTILITIES (Portion A to Portion D)	470	12-Oct-22	11-Apr-24	· · · · · · · · · · · · · · · · · · ·
	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	Excavation / Trench Works from WSD - Water Pipe
	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	
	Telecom Cable Duct / Cable Laving (Process Building to all site buildings) Backfilling and Reenstatement Works - Portion A to D alignment Utilities (WSD,CLP,Telecom)	60 80	31-Oct-23 09-Jan-24	09-Jan-24	
- Infrasti	ructure Treatment Area	1174	17-Sep-22	11-Apr-24 04-Dec-25	v
MATION		397	17-Sep-22	11-Nov-23	<ul> <li>Excavation / Soil Nail consent granted</li> </ul>
1 2	Excavation / Soil Nail consent granted Site Formation Completed	0	17-Sep-22	11-Nov-23	
round Plat 023	form 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	Installation of Main Haul Road RW 45 degree cut and fil
)24	Excavation for +50mPD (Re-use Top soil)	111	19-Oct-22	15-Feb-23	Excavation for +50mPD (Re-use 1
25 26	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	Remaining Excavation
27 28	RC Wall Construction (+50mPD) chainage Bund Wall (+55mpd)	134 54	03-Apr-23 02-May-23	22-Aug-23 26-Jun-23	Bund Wal
029 030	Founding Level Inspection +55mPD Founding Level Inspection +50mPD	0		24-Jun-23 26-Jul-23	♦ Founding ♦ Fou
	form at +60mPD (LTW Plant)	229	17-Jan-23	26-Jul-23 14-Sep-23	▽
031 032	Excavation for +60mPD (Re-use Top soil) Soil Nail Installation	36 115	17-Jan-23 25-Feb-23	25-Feb-23 27-Jun-23	Excavation for +60mPD (Re-use
033	RC Wall Construction (+60mPD) chainage Bund Wall (+60mpd, +65mpd)	96 117	12-Apr-23 18-May-23	20-Jul-23 14-Sep-23	
0034 0035	Founding Level Inspection +60mPD	0	18-May-23	14-Sep-23	
036 Fround Plat	Founding Level Inspection +65mPD form at +70mPD (LTW Plant)	0 248	25-Feb-23	14-Sep-23 11-Nov-23	▽
037	Excavation for +70mPD (Re-use top soil)	113	25-Feb-23	24-Jun-23	Excavation
)038 )039	Soil Nail for +70mPD RC Construction (+70mPD) chainage	130 96	26-Apr-23 26-Jun-23	06-Sep-23 03-Oct-23	
-0040 -0041	Bund Wall (+70mpd) Founding Level Inspection +70mPD	56 0	13-Sep-23	11-Nov-23 11-Nov-23	
	MENT AREA	891	28-Jun-23	04-Dec-25	V
s Building )42	g (+50mpd) Substructure / Footing	661 40	26-Jul-23 26-Jul-23	17-May-25 04-Sep-23	
43 44	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	
5	RC G/F Slab / beam and Walls/Column to 1/F	30	20-Oct-23	20-Nov-23	
46 47 48	RC 1/F Slab / beam and Walls/Column to R/F Commencement of E&M work in CLP Room G/F	29 0	20-Nov-23 11-Dec-23	19-Dec-23	
	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	
	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	
	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	
4 5	CLP Power-ON Energisation	0	19-Jan-24	17-Apr-24	
056 057	Completion of Process Building Structure with Watertightness Test Commencement of MEP Works in MCC Room, Control Room, Blower Room (VES / ATAL)	0	18-Apr-24	17-Apr-24	
058 059	MCC Room MEP Installation LV Switchboard System & Sitewide Distribution	80 150	19-Apr-24 27-Apr-24	22-Jul-24 19-Oct-24	
0060	Commencement of MEP installation in Control Room	0	17-May-24 17-May-24	16-Oct-24	
0061 0062	Control room, Blower MEP Installation	130	17-May-24 17-May-24	16-Oct-24	
0063 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	
Plant (+55m		678 90	28-Jun-23	10-Jun-25	
0065	Substructure / Foundation works Handover of Foundation Top	90 0	28-Jun-23	26-Sep-23 26-Sep-23	
0067 0068	MEP Installation Testing & Pre-Commissioning	450 150	08-Oct-23 02-Jan-25	22-Jan-25 10-Jun-25	
Plant (+60m	npd, +70mpd)	753	13-Nov-23	04-Dec-25	
069 070	Substructure / Foundation works Ammonia Stripper	86 180	13-Nov-23 10-Feb-24	09-Feb-24 07-Sep-24	
)71 )72	Handover of Foundation Top MEP Installation	0 510	14-Feb-24	14-Feb-24 01-Aug-25	
073 074	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	
)75	DG Storage Area	150	14-Feb-24	20-Jul-24	
076 077	Licensing on DG Storage Area ABWF works	270 210	13-Aug-24 09-Sep-24	25-May-25 12-May-25	
078 <mark>A - Underc</mark>	Testing & Pre-Commissioning gound Drainage and Process Pipeworks	150 240	04-Jul-25 09-May-23	04-Dec-25 14-Jan-24	✓————————————————————————————————————
A- Undert	Segment 3 - Excavation and Pipe Laying Works at Main EVA road LTW to LFG area	60	13-Nov-23	14-Jan-24	
	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	Segm
A - EVA Ro	Segment 4 chainage - Excavation and Pipe Laying at Process building round about	60 203	06-Sep-23 12-Jan-24	09-Nov-23 14-Aug-24	
.01	EVA Road Pavement Works from LTW to LFG Area	90	12-Jan-24	19-Apr-24	
7.02 7.03	EVA Road Pavement Works Within Process Building and Main Entrance Handover to Veolia	120 0	12-Apr-24	14-Aug-24 10-Aug-24	
DE Interfacin	g and Coordination	633	03-Aug-22	02-Jun-24	
)83 )84	Water Supply / WSD Power Supply / CLP	540 540	03-Aug-22 03-Aug-22	24-Feb-24 24-Feb-24	
35 36	NENT / NENTX Telecom	513 120	03-Aug-22 25-Jan-24	24-Jan-24 02-Jun-24	
ON C - Waste	Reception Area	100	04-Feb-25	30-May-25	
87 89	Vehicle Wash Facility Upgrade Work Weighbridge Upgrade Work	100 75	04-Feb-25 04-Feb-25	30-May-25 01-May-25	
91 92	Weighmaster House Refurbishment & Upgrade Work Wheel Wash Bath Upgrade Work	75 75	04-Feb-25 04-Feb-25	01-May-25 01-May-25	
	Wheel Wash Bath Upgrade Work Guard House & Entrance Gate Upgrade Work	75 60	04-Feb-25 04-Feb-25	01-May-25 14-Apr-25	
13 14	General Area & Access Road	60	04-Feb-25	14-Apr-25	

Critical Remaining Work





NORTH EAST NEW TERRITORIES (NE

# **BASELINE PROGRAMME -INITIAL WORKS**

Page 1 of 4

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Bund Wall (+70mpd) ♦ Founding Level Inspection +70mPD														
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MCC Room MEP Installation		Sitewide D	Distribution											
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<ul> <li>Completion of A</li> </ul>	I Process	Building W	orks & Documentation an FS Inspection and Defe	nd Ready ects Rect	y for FS h	spection (2n r Process B	nd Stage) Suilding (2n	d Stage)						
Substructure / Foundation works			<b>V</b>											
Handover of Foundation Top	MEP Ins	tallation												
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Substructure / Foundation works														
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BS and Plant Equipmen	nt and Instr	rument Wo	orks (ramped provision fro	om 60mp	od - 70mpc	1)								
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egment 2 Chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 2 R Segment 4 chainage - Excavation and Pipe Laying Entrance to LFG bldg (Lane road 2 R														
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Activity ID	Activity Name	OD	Start	Finish	2022 2023 2024 2025 2026 2027	
		054	25-Jan-22 A	04 Sep 24	Contract         Contract	lun JAlug 66 6768
PORTION D - Accom 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	Existing Utility Diversion, Interface & Advanced Works     Moving IN to completed Integrated Building Office - for IC/ER and construction project team	
05-0096 05-0097	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 05-0099	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	Duration at 2 Floor Level Temporary Site Office - IC/ER and construction project team	
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 7	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	Starbearrain within perimeter     Starbearrain within 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	R/F slab/beam     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	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		◆ 2nd Floor Access Date → ABWF and Internat Finishes Works	
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	
	ABWF and External Trellis Finishes Works BS and T&C Works	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	<ul> <li>Site Formation - Excavation / UG Utilities</li> <li>Installation of Earth Mat</li> <li>RC Footing/Beam to G/F</li> </ul>	
05-00135 Superstructure	RC Footing/Beam to G/F	37 379	21-Feb-23 30-Mar-23	29-Mar-23 12-Apr-24		
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	
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      Z/F RC slab/beam and coliµmn/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	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	<ul> <li>♦ 2nd Floor Access Date</li> <li>▲ ABWF and Internal Finishes Works</li> </ul>	
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/Liftand 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 - Evenuation / L/C   Milifore	
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 finite er      Constallation finite er	
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      F/F RC works slab / beam works      Person 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     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		
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	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	♦ 2nd Floor Access Date	
05-00179 Roof Floor	BS Works		20-Feb-24 21-Dec-23	24-Apr-24 29-Jun-24		
05-00180	Roof Floor Access Date		21-Dec-23		NODTU F A OT NERVI TERRITORIEO (NENTX) LANDEUL EXTENSION     Date     Revision     Checked     A	pproved
	Remaining Le	evei of Effort			NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION     Date     Revision     Checked     A       08-Jul-22     EXTRACTED - ISSUED 14JAN2023     DW     AY	1
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	Cilical Nenia	aining Work			BASELINE PROGRAMME - EXTRACTED (REV.3) INITIAL WORKS (PHASE 1)	
					Page 2 of 4	
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	Activity Name	OD	Start	Finish	Dec -1	2022         2023           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         Jun<
05-00181 05-00182	ABWF and External Finishes Works External Staircase from Roof to Ground Floor	90 30	22-Dec-23 13-Mar-24	28-Mar-24 12-Apr-24		
05-00183 05-00184	BS and T&C Works Lift works and T&C Works	60 100	21-Mar-24 21-Mar-24	26-May-24 29-Jun-24		
NTENANCE WO		326	28-Aug-23	07-Aug-24		
ehicle 05-00185	Site Formation - Excavation / UG Utilities	326 90	28-Aug-23 28-Aug-23	07-Aug-24 30-Nov-23		
05-00186 05-00187	RC Footing and Bearing Wall ABWF / BS and T&C works	79 160	27-Nov-23 21-Feb-24	20-Feb-24 07-Aug-24		
	DINGS (PORTION D)	268	21-Feb-24 26-Nov-23	07-Aug-24 04-Sep-24		
-00188 -00189	Site Formation - Excavation / UG Utilities RC Works	90 90	26-Nov-23 24-Feb-24	02-Mar-24 30-May-24		
5-00190	ABWF / BS and T&C works	100	25-May-24	04-Sep-24		
00191	pround Drainage and Pipe Laying Works Segment 1 - Excavation and Pipe Laying Works Portion A to Portion D - UG Drainage/Sewer	428 142	22-Aug-22 22-Aug-22	17-Nov-23 19-Jan-23		Segment 1 - Excavation and Pip
00192 00193	Segment 2- Excavation and Pipe Laying Serving FS Building and Integrated Building - UG Drait Segment 3 - Excavation and Pipe Laying Serving Remaining Premises - UG Drainage / Sewer		21-Jan-23 20-Jun-23	02-Jul-23 17-Nov-23		Se
	bad Road Pavement Works	424	21-Jan-23	16-Apr-24		· · · · · · · · · · · · · · · · · · ·
1818 1819	Segment 1 - Main UG Drainage from Portion A to Portion D and Backfilling and Reenstatement Segment 2- UG Drainage Serving FS Building and Integrated Building and Pavement Works	150 144	21-Jan-23 20-Jun-23	02-Jul-23 17-Nov-23		Se Se
1820 spection Stages	Segment 3 - UG Drainage Serving Maintenance Workshop Buildings and other remaining prem		17-Nov-23 17-Apr-24	16-Apr-24 26-Apr-25		
ge 1 FS Inspectio		181	17-Apr-24	20-Apt-23 22-Oct-24		
5-00194	Completion of All Works & Documentation on FS Building (Portion D) and Ready for FSD Inspec		40.4.04	17-Apr-24		
5-00195 <b>ge 2 FS Inspecti</b> o	1st FS Inspection and Defects Rectification	180 180	18-Apr-24 17-Oct-24	22-Oct-24 26-Apr-25		
5-00196 5-00197	Completion of All Works & Documentation on other Accommodation Building, Workshop and An 2nd FS Inspection and Defects Rectification	0 180	18-Oct-24	17-Oct-24 26-Apr-25		
	1 E3, E4, E1, B1 & B2)	1402	25-Jan-22 A	27-Dec-25		V
EA 0-A (E4 & B1)	<u> </u>	1371	25-Jan-22 A	25-Dec-25		
dvanced Works 05-00251	Possession of Area O-A	150 0	25-Jan-22 A 25-Jan-22 A	01-Sep-22		♦ Possession of Area O-A
05-00252	Handover access	0	24-Feb-22 A	01.8== 00		♦ Handover access Access Haul Road works
05-00253 05-00254	Access Haul Road works Initial Site Survey / Topographic Survey / Condition Survey	44 27	19-Jul-22 26-Mar-22	01-Sep-22 25-Apr-22		Initial Site Survey / Topographic Survey / Condition Survey
05-00255 05-00256	Tree Survey Report Tree Removal	0 38	06-Apr-22	03-Apr-22 20-May-22		♦ Tree Survey Report Tree Removal
05-00257	Initial Site Survey / Topographic Survey / Condition Survey completion	0		25-Apr-22		<ul> <li>Initial Site Survey / Topographic Survey / Condition Survey completion</li> <li>Ground Investigation - Additional Borehole</li> </ul>
05-00258 05-00259	Ground Investigation - Additional Borehole Ground Investigation - Additional Borehole completion (14 nos)	70 0	04-Jun-22	13-Aug-22 11-Aug-22		Ground Investigation - Additional Borehole     Ground Investigation - Additional Borehole completion (14 not
	Site Formation Stat	1086	02-Sep-22	20-Oct-25		✓ Site Formation Start:
05-00260 05-00261	Site Formation Start Excavation (soil)	0 349	02-Sep-22 03-Sep-22	07-Sep-23		
05-00262 05-00263	Drainage surface Run OFF Perimeter Channel Drainage surface Run OFF Collection House	126 150	03-Sep-22 07-Jan-23	15-Jan-23 16-Jun-23		Drainage surface Run OFF Perir
05-00264 05-00265	Slope cut with soil nail and sprayed concrete	756 240	18-Aug-23 18-Aug-23	20-Oct-25 29-Apr-24		
05-00266	Excavation (rock)	378	03-Mar-23	06-Apr-24		
05-00267 05-00267.01	Valley Drain Settlement cell installation	150 314	06-Jun-23 03-Nov-23	09-Nov-23 28-Sep-24		
05-00268 05-00269	Toe Drain Install Landfill Gas Pipe on Earth Bund	163 150	03-Nov-23 14-Apr-24	25-Apr-24 15-Sep-24		
05-00270	Install Intercell Bund	150	14-Apr-24	15-Sep-24		
05-00271 05-00272	Install Leachate Force Main Install Pump Station and Associated Equipment (Sumphouses)	518 516	14-Apr-24 14-Apr-24	06-Oct-25 04-Oct-25		
05-00273 05-00273.01	Site Formation and Groundwater trench completion (1st stage) Site Formation and Groundwater trench completion (2nd stage)	0		14-Sep-24 14-Sep-25		
andfill Trial Area	1 ( 0)	50	24-Jul-24	11-Sep-24		
05-00223 05-00224	Trial Lining Works Protective Stone Laving	35 15	24-Jul-24 28-Aug-24	27-Aug-24 11-Sep-24		
	ige 1-3 (Portion E4, & B1) - 1st Stage	210	14-Sep-24	12-Apr-25		
05-00274 05-0167	Ready for lining works Lining Works	0 120	16-Sep-24	14-Sep-24 01-Feb-25		
05-0168	Protective stone laying and Leachate Collection Pipe	60	01-Feb-25	12-Apr-25		
05-0169 andfill Liner Stag	Lining works completed ge 1-3 (Portion E4, & B1) - 2nd Stage	0 102	14-Sep-25	12-Apr-25 25-Dec-25		
05-00275	Ready for lining works	0		14-Sep-25		
05-1815 05-1816	Lining Works Lining works completed	87 0	16-Sep-25	25-Dec-25 25-Dec-25		
05-1817 EA 0-B2 (Portion	Protective stone laying and Leachate Collection Pipe	60 719	16-Oct-25 25-Jan-22 A	25-Dec-25 13-Feb-24		v
dvanced Works		196	25-Jan-22 A	18-Sep-22		<u>√</u>
05-00198 05-00199	Possession of Area O-B2 Tree Removal	0	25-Jan-22 A	23-Feb-22		<ul> <li>♦ Possession of Area O-B2</li> <li>♦ Tree Removal</li> </ul>
05-00200	Tree Survey	58	24-Feb-22 A	23-Peb-22 24-Apr-22 A		Tree Survey
05-00201 05-00202	Handover access Initial Site Survey / Topographic Survey / Condition Survey	0 29	24-Feb-22 A 25-Apr-22 A	20-May-22 A		<ul> <li>Handover access</li> <li>Initial Site Survey / Topographic Survey / Condition Survey</li> </ul>
05-00203 05-00204	Ground Investigation - Additional Borehole Ground Investigation - Additional Borehole completion	14 0	11-Aug-22	25-Aug-22 25-Aug-22		<ul> <li>Ground Investigation - Additional Borehole</li> <li>Ground Investigation - Additional Borehole completion</li> </ul>
05-00205	Initial Site Survey / Topographic Survey / Condition Survey completion	0		23-May-22 A		<ul> <li>Initial Site Survey / Topographic Survey / Condition Survey completion</li> <li>Tree Survey Report</li> </ul>
05-00206 05-00207	Tree Survey Report Access Haul Road works	0 60	19-Jul-22	23-May-22 A 18-Sep-22		Access Haul Road works
05-00208	Site Haul Road completion nation and Groundwater Trench	0 331	13-Oct-22	17-Sep-22 26-Sep-23		Site Haul Road completion
05-00209	Site Formation Start	0	13-Oct-22			Site Formation Start
05-00210 05-00211	Excavation(soil) Slope cut with soil nail and sprayed concrete	156 162	14-Oct-22 11-Apr-23	28-Mar-23 23-Sep-23		Excavation(soil)
05-00212	Excavation(rock)	172	28-Mar-23	23-Sep-23		Drainage surface R
05-00213 05-00214	Drainage surface Run OFF Perimeter Channel Install Earth Bund	84 54	28-Dec-22 28-Mar-23	28-Mar-23 27-May-23		Install Ea
05-00215 05-00216	Drainage surface Run OFF Collection House Install Intercell Bund	94 58	28-Mar-23 27-May-23	08-Jul-23 26-Jul-23		
05-00216.01	Settlement cell installation	98 88	15-Jun-23	23-Sep-23		
05-00217 05-00218	Install Landfill Gas Pipe on Earth Bund Toe Drain and Connection to Existing Drainage	60	27-Jun-23 26-Jul-23	23-Sep-23 24-Sep-23		
05-00219 05-00220	Valley Drain Install Pump Station and Associated Equipment (Sumphouses)	60 60	08-Jul-23 28-Jul-23	06-Sep-23 26-Sep-23		
05-00221 05-00222	Install Leachate Force Main Ster Formation and Groundwater trench completion	60 0	28-Jul-23	26-Sep-23		
	ges 1&2 (Portion E3, B1 & E4)	140	26-Sep-23	26-Sep-23 13-Feb-24		
05-00225 05-0191	Handover to VES - Ready for lining works Lining Works	0 120	26 Sep 22	26-Sep-23 13-Feb-24		
05-0192	Protective stone laying and Leachate Collection Pipe	60	26-Sep-23 05-Dec-23	13-Feb-24		
05-0193 <b>EA 0-B1 (Portio</b> n	Lining works completed n E3)	0 1040	25-Jan-22 A	13-Feb-24 12-Feb-25		v
dvanced Works		187	25-Jan-22 A	25-Oct-22		v
05-00226 05-00227	Possession of Area O-B1 Access Haul Road works	0 58	25-Jan-22 A 26-Aug-22	25-Oct-22		<ul> <li>Possession of Area O-B1</li> <li>Access Haul Road works</li> </ul>
05-00228	Handover access	0	24-Feb-22 A			♦ Handover access
05-00229 05-00230	Commencement of Tree Removal Ground Investigation - Additional Borehole	52 70	10-Apr-22 11-Aug-22	08-Jun-22 23-Oct-22		Commencement of Tree Removal Ground Investigation - Additional Borehole
05-00231 05-00232	Issuance of Tree Survey Report Initial Site Survey / Topographic Survey / Condition Survey completion	0		30-Apr-22 A 23-May-22 A		<ul> <li>Issuance of Tree Survey Report</li> <li>Initial Site Survey / Topographic Survey. / Condition Survey completion</li> </ul>
05-00233	Tree Removal completion	0		08-Jun-22		♦ Tree Removal completion
05-00234	Ground Investigation - Additional Borehole completion (11nos)	0		20-Oct-22		Ground Investigation - Additional Borehole compl
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Oct         Nov         Dec         Jan         Feb         Mar         Apr         May         Jun         Jul         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 4	47   48	49   50   51	52   53   54   55   56   57   58   59   6	60 61 62 63 6	4   65   66   6768
External Staircase from Roof to Ground Floor BS and T&C Works						
Lift works and T&C Works						
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Site Formation - Excavation / UG Utilities						
RC Footing and Bearing Wall ABWF / BS and T&C works						
Site Formation - Excavation / UG Utilities						
ABWF / BS and T&C works						
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ccavation and Pipe Laying Serving FS Building and Integrated Building - UG Drainage/Sewer Segment 3 - Excavation and Pipe Laying Serving Remaining Premises - UG Drainag	e / Sewer					
V						
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Segment 3 - UG Drainage Serving Maintenance Worksh	op Buildings and other remaining premises					
v						
<ul> <li>Completion of All Works &amp; Documentation on FS Building</li> </ul>	(Portion D) and Ready for FSD Inspection					
1st FS Inspection and						
<ul> <li>Completion of All Works</li> </ul>	& Documentation on other Accommodation B	uilding, Wo	rkshop and	Ancillary Ready for FSD Inspection		
	2nd FS Inspection and Defects Rec					
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Toe Drain Install Landfill Gas Pipe on Ea	arth Dund					
Install Landin Gas Pipe on La						
	Install		Force Main	ociated Equipment (Sumphouses)		
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Trial Lining Works						
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<ul> <li>Ready for lining works</li> </ul>	ng Works Protective stone laying and Leachate ♦ Lining works completed	Collection	Pipe			
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Ready for lining works Lini  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 liey Drain Install Leachate Force Main State Force Main Setterment on VES - Ready for lining works Lini	Protective stone laying and Leachate     Lining works completed	r lining wor	ks ining Works ining works o			
Pready for lining works Lini  Slope cut with soil nail and sprayed concrete Excavation(rock) meter Channel ace Run OFF Collection House cell Bund Settlement cell installation Install Landfill Gas Pipe on Earth Bund Toe Drain and Connection to Existing Drainage ley Drain Install Leachate; Force Main Site Formation 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	Protective stone laying and Leachate     Lining works completed	r lining wor L P	ks ining Works ining works o		Check	ed Approved
Pready for lining works Lini  Slope cut with soil nail and sprayed concrete Excavation(rock) meter Channel ace Run OFF Collection House cell Bund Settlement cell installation Install Landfill Gas Pipe on Earth Bund Toe Drain and Connection to Existing Drainage ley Drain Install Leachate; Force Main Site Formation 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	Protective stone laying and Leachate     Lining works completed	r lining wor L P	ks ining Works rotective sto	ne laying and Leachate Collection Pipe	Check	ed Approved AY
Slope cut with soil nail and sprayed concrete Excavation(rock) meter Channel ace Run OFF Collection House recil Bund Settlement cell installation Install Landfill Gas Pipe on Earth Bund Toe Drain and Connection to Existing Drainage IBy Drain "Istall Pump Station and Associated Equipment (Sumphouses) Install Leachate Force Main "Stel Formation and Groundwater trench completion "Istall Pump Station and Associated Equipment (Sumphouses) Install Leachate Force Main "Stel Formation and Groundwater trench completion "Handover to VES - Ready for lining works Lining Works Defective stone laying and Leachate Collection Pipe • Lining works completed	Protective stone laying and Leachate <ul> <li>Lining works completed</li> <li>Ready for</li> </ul>	r lining wor L P	ks ining Works rotective sto	Revision		
Ready for lining works Lini     Sope cut with soil nail and sprayed concrete     Excavation(rock)     meter Channel     acas Run OFF Collection House     coll Bund     Settlement cell listalilation     Install Landfli Gas Pipe on Earth Bund     Tee Drain and Connection to Existing Drainage     ley Drain     Install Landfli Gas Pipe on Earth Bund     Tee Drain and Connection to Existing Drainage     ley Drain     Install Landfli Gas Pipe on Earth Bund     Tee Drain and Connection to Existing Drainage     ley Drain     Install Landfli Gas Pipe on Earth Bund     Tee Drain and Connection to Existing Drainage     ley Drain     Install Landfli Concent on the second term of term	Protective stone laying and Leachate     Lining works completed	r lining wor L P	ks ining Works rotective sto	Revision		
Slope cut with soil nail and sprayed concrete Excavation(rock) meter Channel ace Run OFF Collection House recil Bund Settlement cell installation Install Landfill Gas Pipe on Earth Bund Toe Drain and Connection to Existing Drainage IBy Drain "Istall Pump Station and Associated Equipment (Sumphouses) Install Leachate Force Main "Stel Formation and Groundwater trench completion "Istall Pump Station and Associated Equipment (Sumphouses) Install Leachate Force Main "Stel Formation and Groundwater trench completion "Handover to VES - Ready for lining works Lining Works Defective stone laying and Leachate Collection Pipe • Lining works completed	Protective stone laying and Leachate <ul> <li>Lining works completed</li> <li>Ready for</li> </ul>	r lining wor L P	ks ining Works rotective sto	Revision		

Activi	ty 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           -1         1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         18         19           Site Haul Road completion
	Haul Road completion	0		25-Oct-22	
	and Groundwater Trench	664	25-Oct-22	25-Sep-24	
	Formation Start	0	25-Oct-22	00 1 1 00	♦ Site Formation Start
	vation(soil) lage surface Run OFF Perimeter Channel	252 111	27-Oct-22 27-Oct-22	22-Jul-23 23-Feb-23	Drainage surface Run OFF
	hage surface Run OFF Collection House	85	24-Feb-23	24-May-23	Drainage s
05-00240 Slope	e cut with soil nail and sprayed concrete	401	22-Jul-23	14-Sep-24	
	vation(rock)	317	23-Jul-23	21-Jun-24	
	Drain and Connection to Existing Drainage	144	24-May-23	21-Oct-23	
	y Drain I Earth Bund	144	24-May-23 05-Feb-24	21-Oct-23 21-Jun-24	
	Formation and Groundwater trench completion	0	00-1 00-24	24-Sep-24	
05-00246 Instal	I Landfill Gas Pipe on Earth Bund	60	21-Jun-24	21-Aug-24	
	I Intercell Bund	59	21-Jun-24	20-Aug-24	
	ement cell installation	192	21-Oct-23	13-May-24	
	I Leachate Force Main I Pump Station and Associated Equipment (Sumphouses)	35 34	20-Aug-24 20-Aug-24	25-Sep-24 24-Sep-24	
andfill Liner Stage 1-2		140	25-Sep-24	12-Feb-25	
	lover to VES - Ready for lining works	0		25-Sep-24	
	g Works	120	26-Sep-24	12-Feb-25	
	ctive stone laying and Leachate Collection Pipe	60	04-Dec-24	12-Feb-25	
	g works completed	0		12-Feb-25	
a 0-D (Portion E1 & B2	2)/Access Road)	884	26-Jul-23	25-Dec-25	· · · · · · · · · · · · · · · · · · ·
dvanced Works		86	26-Jul-23	24-Oct-23	
	ession of Area O-D	0	26-Jul-23		• •
	Site Survey / Topographic Survey / Condition Survey	30	26-Jul-23	24-Aug-23	
	Survey Report	0 30	25-Aug-23	24-Aug-23 23-Sep-23	
	Site Survey / Topographic Survey / Condition Survey completion	30	20-Mug-23	23-Sep-23 24-Aug-23	1
	ss Haul Road works	56	25-Aug-23	23-Oct-23	
05-00307 Tree	Removal completion	0		23-Sep-23	
	Haul Road completion	0		24-Oct-23	
	and Groundwater Trench	690	24-Oct-23	12-Sep-25	
	Formation Start	0	24-Oct-23	10 5 1	
	vation (soil)	106	24-Oct-23	10-Feb-24	
	I Earth Bund and Pump Station vation (rock)	140 268	14-Feb-24 14-Feb-24	09-Jul-24 18-Nov-24	
05-00312 Exca 05-00313 Drain	age surface Run OFF Perimeter Channel	141	14-Feb-24	11-Jul-24	
	ement cell installation	200	10-Jul-24	26-Jan-25	
	I Landfill Gas Pipe on Earth Bund	193	10-Jul-24	25-Jan-25	
	age surface Run OFF Collection House	84	16-Nov-24	13-Feb-25	
	y Drain I Perimeter Leachate Forcemain	84 82	13-Feb-25 27-Jan-25	14-May-25 25-Apr-25	
05-00318 Toe D		118	15-May-25	12-Sep-25	
	Formation and Groundwater trench completion	0	10 may 20	12-Sep-25	
andfill Liner Stage 1&2	Portion E1 & B2)	101	15-Sep-25	25-Dec-25	
05-00320 Read	ly for lining works	0		15-Sep-25	
	g Works	60	16-Sep-25	24-Nov-25	
	ective stone laying and Leachate Collection Pipe	27	24-Nov-25	25-Dec-25 25-Dec-25	
05-0232.06 Lining EA 0-C (Portion E1,B1	g works completed	0 1231	11-Aug-22	25-Dec-25 25-Dec-25	·
		505	11-Aug-22	25-Jan-24	
dvanced Works 05-00276 Grou	nd Investigation - Additional Borehole	70		23-Oct-22	Ground Investigation - Additional Borehole
	nd Investigation - Additional Borehole completion (6 nos)	0	11-Aug-22	20-Oct-22	Ground Investigation - Additional Borehole complet
	ession of Area O-C	0	26-Jul-23		` <b>♦</b>
	Site Survey / Topographic Survey / Condition Survey	56	25-Aug-23	23-Oct-23	
	Site Survey / Topographic Survey / Condition Survey completion	0	04.0	24-Oct-23	
	ss Haul Road works Survey / Tree Removal	60 90	24-Sep-23 25-Oct-23	26-Nov-23 25-Jan-24	
	Survey Report	0	25-001-25	23-Jan-24 28-Nov-23	
	Removal	0		22-Jan-24	
	Haul Road completion	0		22-Nov-23	
andfill Site Formation a	and Groundwater Trench	572	23-Jan-24	15-Sep-25	
	Formation Start	0	23-Jan-24		
05-00287 Exca	vation (soil)	160	23-Jan-24	13-Jul-24	
	e cut with soil nail and sprayed concrete	314	13-Jul-24	08-Jun-25	4
	vation (rock) age surface Run OFF Perimeter Channel	341 112	13-Jul-24 15-Mar-24	06-Jul-25 13-Jul-24	
	lage surface Run OFF Perimeter Channel	95	26-Feb-25	13-Jul-24 07-Jun-25	
	I Earth bund	83	10-Mar-25	07-Jun-25	
05-00293 Drain	age surface Run OFF Collection House	118	13-Jul-24	11-Nov-24	
	y Drain	117	13-Jul-24	10-Nov-24	
05-00294 Valley		70	06-Jul-25	14-Sep-25	
05-00294 Valley 05-00295 Instal	I Intercell Bund		10 11 01		
05-00294 Valley 05-00295 Instal 05-00295.01 Settle	ement cell installation	198	10-Nov-24 10-Nov-24	09-Jun-25 10-Mar-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe E	ement cell installation		10-Nov-24 10-Nov-24 07-Jul-25	10-Mar-25 15-Sep-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe I           05-00297         Instal	ement cell installation Drain	198 114	10-Nov-24	10-Mar-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe E           05-00297         Instal           05-00298         Instal           05-00299         Ster	ement cell installation Drain Il Pump Station and Associated Equipment (Sumphouses) Il Leachate Force Main Formation and Groundwater trench completion	198 114 70 70 0	10-Nov-24 07-Jul-25 07-Jul-25	10-Mar-25 15-Sep-25 15-Sep-25 15-Sep-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe E           05-00297         Instal           05-00298         Instal           05-00299         Ster	ement cell installation Drain Il Pump Station and Associated Equipment (Sumphouses) Il Leachate Force Main Formation and Groundwater trench completion	198 114 70 70	10-Nov-24 07-Jul-25	10-Mar-25 15-Sep-25 15-Sep-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe ID           05-00297         Instal           05-00298         Instal           05-00299         Ster           andfill Liner Stage 18.2         05-00300	ement cell installation Drain Il Pump Station and Associated Equipment (Sumphouses) Il Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ily for lining works	198 114 70 70 0 100 0	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25	10-Mar-25 15-Sep-25 15-Sep-25 15-Sep-25 25-Dec-25 16-Sep-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe D           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage         18.2           05-00300         Read           05-0215         Lining	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>(Portion E1, B1 &amp; E4)</b> Iy for lining works g Works	198 114 70 70 0 100 0 86	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 16-Sep-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe I           05-00297         Instal           05-00298         Instal           05-00298         Instal           05-00298         Ste F           andfill Liner Stage 18.2         05-00300           05-0215         Lining           05-0216         Prote	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>(Portion E1, B1 &amp; E4)</b> Ivg for lining works g Works ective stone laying and Leachate Collection Pipe	198 114 70 70 0 100 0 86 55	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 16-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe I           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00300           05-00215         Lining           05-0216         Prote	ement cell installation Drain Il Pump Station and Associated Equipment (Sumphouses) Il Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> Ily for lining works g Works ctive stone laying and Leachate Collection Pipe g works completed	198 114 70 70 0 100 0 86 55 0	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 16-Sep-25 22-Oct-25	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe D           05-00297         Instal           05-00298         Instal           05-00298         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage         18.2           05-00300         Read           05-0215         Lining           05-0216         Prote           05-0217         Lining	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>(Portion E1, B1 &amp; E4)</b> Ivg for lining works g Works ective stone laying and Leachate Collection Pipe	198 114 70 0 100 0 86 55 0 756	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 16-Sep-25 22-Oct-25 26-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295         Instal           05-00295         Settle           05-00296         Toe ID           05-00297         Instal           05-00298         Instal           05-00298         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00300           05-0215         Lining           05-0216         Prote           05-0217         Lining State           0stechnical Retaining State         State	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>(Portion E1, B1 &amp; E4)</b> Ity for lining works g Works ective stone laying and Leachate Collection Pipe g works completed tructure & Access Road	198 114 70 0 100 0 86 55 0 756 756	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295         Instal           05-00296         Toe ID           05-00297         Instal           05-00298         Instal           05-00299         Stet F           andfill Liner Stage         1822           05-00300         Read           05-0215         Lining           05-0217         Lining           0stechnical Retaining St         /est           /est Wall         05-00321	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works works completed tructure & Access Road * Wall Start Construction	198 114 70 0 100 0 86 55 0 756 756 0	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 26-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe I           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage         82           05-00300         Read           05-0215         Lining           05-0217         Lining           05-0217         Lining           05-0217         Lining           05-0217         Lining           05-0217         Lining           05-0321         West           05-00321         West	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works ctive stone laying and Leachate Collection Pipe g works completed <b>tructure &amp; Access Road</b> <b>?</b> Wall Start Construction <b>?</b> Wall - Chainage 0+000 - 0+100	198 114 70 0 100 0 86 55 0 756 756 0 298	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 04-Sep-24	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe E           05-00297         Instal           05-00298         Instal           05-00299         Ster F           andfill Liner Stage 18.2         05-00300           05-0215         Lining           05-0216         Prote           05-0217         Lining           05-02217         Lining           05-0231         West           05-0321         West	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> Iv for lining works g Works citive stone laying and Leachate Collection Pipe g works completed tructure & Access Road Wall Start Construction Wall - Chainage 0+000 - 0+100 Wall - Chainage 0+100 - 0+200	198 114 70 70 0 100 0 86 55 0 756 756 0 298 190	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 04-Sep-24 22-Mar-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Tose           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00299           05-00215         Lining           05-0216         Prote           05-0217         Lining           05-00321         West           05-00321         West           05-00322         West           05-00323         West           05-00324         West	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works ctive stone laying and Leachate Collection Pipe g works completed <b>tructure &amp; Access Road</b> <b>?</b> Wall Start Construction <b>?</b> Wall - Chainage 0+000 - 0+100	198 114 70 0 100 0 86 55 0 756 756 0 298	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 04-Sep-24	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296.01         Settle           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00219           05-00215         Lining           05-0216         Prote           05-00217         Lining           05-00321         West           05-00321         West           05-00323         West           05-00324         West           05-00324         West           05-00324         West           05-00324         West	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works g Works ictive stone laying and Leachate Collection Pipe g works completed tructure & Access Road Wall Start Construction : Wall - Chainage 0+000 - 0+100 : Wall - Chainage 0+100 - 0+200 : Wall - Chainage 0+200 - 0+270	198           114           70           0           0           100           0           86           55           0           756           0           298           190           265	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 04-Sep-24 22-Mar-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe E           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00209           05-00299         Site F           andfill Liner Stage 18.2         05-00215           05-0216         Prote           05-0217         Lining           05-00321         West           05-00322         West           05-00323         West           05-00324         West           05-00325         West	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works g Works ictive stone laying and Leachate Collection Pipe g works completed tructure & Access Road Wall Start Construction : Wall - Chainage 0+000 - 0+100 : Wall - Chainage 0+100 - 0+200 : Wall - Chainage 0+200 - 0+270	198           114           70           0           0           100           0           86           55           0           756           0           298           190           265           0	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-23 26-Oct-23 26-Oct-23 26-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25	
05-00294         Valley           05-00295         Instal           05-00295         Instal           05-00296         Toe ID           05-00297         Instal           05-00298         Instal           05-00299         Ster F           andfill Liner Stage         182           05-00299         Ster F           andfill Liner Stage         182           05-00216         Prote           05-0217         Lining           05-00321         West           05-00323         West           05-00324         West           05-00325         West           05-00326         East           05-00326         East           05-00327         East	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>(Portion E1, B1 &amp; E4)</b> Iy for lining works g Works g Works totive stone laying and Leachate Collection Pipe g works completed tructure & Access Road Wall Start Construction Wall - Chainage 0+000 - 0+100 Wall - Chainage 0+200 - 0+270 Wall Completion	198 114 70 0 100 0 86 55 0 756 756 0 298 190 265 0 540	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-23 26-Oct-23 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 28-Oct-23 28-Oct-23 28-Oct-23 28-Oct-23	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25	
05-00294 Valley 05-00295 Instal 05-00295.01 Settle 05-00296 Toe I 05-00297 Instal 05-00298 Instal 05-00299 Ster F andfill Liner Stage 18.2 05-00300 Read 05-0215 Lining 05-0216 Prote 05-0217 Lining 05-00321 West 05-00321 West 05-00322 West 05-00323 West 05-00324 West 05-00324 West 05-00324 West 05-00324 West 05-00326 East 05-00327 East 05-00327 East	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works ty for lining and Leachate Collection Pipe g works completed <b>tructure &amp; Access Road</b> <b>?</b> Wall Start Construction <b>?</b> Wall Start Construction <b>?</b> Wall - Chainage 0+000 - 0+100 <b>?</b> Wall - Chainage 0+200 - 0+270 <b>?</b> Wall Completion <b>Wall Start Construction</b> <b>Wall Chainage 0+50 - 0+150</b> <b>Wall - Chainage 0+150 - 0+300</b>	198 114 70 0 0 0 86 55 0 756 756 0 298 190 265 0 298 190 265 0 540 0 193 188	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24 11-Jun-24 13-Jun-24 30-Dec-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 24-Dec-25 24-Dec-25 28-Dec-24 17-Jul-25	
05-00294         Valley           05-00295         Instal           05-00295         Instal           05-00295         Instal           05-00295         Instal           05-00296         Toe E           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00300           05-0215         Lining           05-0216         Prote           05-0217         Lining           05-0321         West           05-0322         West           05-0323         West           05-0324         West           05-0325         West           05-0326         East           05-0327         East           05-0328         East           05-0328         East	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works ctive stone laying and Leachate Collection Pipe g works completed <b>tructure &amp; Access Road</b> <b>?</b> Wall Start Construction <b>?</b> Wall - Chainage 0+000 - 0+100 <b>?</b> Wall - Chainage 0+200 - 0+200 <b>?</b> Wall Completion Wall Construction <b>Wall Start Construction</b> <b>Wall Start Construction</b> <b>Wall Start Construction</b> <b>Wall Start Construction</b> Wall Chainage 0+50 - 0+150 Wall - Chainage 0+150 - 0+300 Wall - Chainage 0+300 - 0+415	198 114 70 0 100 0 86 55 0 756 756 0 298 190 265 0 298 190 265 0 540 0 193 188	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-23 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24 11-Jun-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 27-Dec-25 24-Dec-25 24-Dec-24 17-Jul-25 24-Dec-25	
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05-00294         Valley           05-00295         Instal           05-00295         Instal           05-00295         Instal           05-00295         Instal           05-00295         Instal           05-00297         Instal           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00300           05-0215         Lining           05-0216         Prote           05-0217         Lining           05-00321         West           05-00322         West           05-00323         West           05-00324         West           05-00325         West           05-00326         East           05-00327         East           05-00328         East           05-00329         East           05-00300         East           05-00300         East           05-00300         East           05-00300         East           05-00300         East           05-00300         East      05-00300         East      <	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>? (Portion E1, B1 &amp; E4)</b> Ity for lining works g Works g Works extive stone laying and Leachate Collection Pipe g works completed tructure & Access Road ? Wall Start Construction ? Wall Start Construction ? Wall - Chainage 0+100 - 0+100 ? Wall - Chainage 0+200 - 0+270 ? Wall Completion Wall Start Construction Wall Start Construction Wall Start Construction Wall Chainage 0+50 - 0+150 Wall - Chainage 0+150 - 0+300 Wall - Chainage 0+300 - 0+415 Wall Completion Wall Completion	198           114           70           0           0           0           0           0           0           0           0           756           0           298           190           265           0           193           188           157           0           485           150	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-23 26-Oct-23 26-Oct-23 26-Oct-23 28-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24 13-Jun-24 13-Jun-24 13-Jun-24 18-Jul-25 12-Apr-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 09-Aug-25 03-Oct-24	
05-00294         Valley           05-00295         Instal           05-00295.01         Settle           05-00296         Toe D           05-00297         Instal           05-00298         Instal           05-00297         Instal           05-00298         Instal           05-00299         Site F           andfill Liner Stage 18.2         05-00215           05-0216         Prote           05-0217         Lining           05-00321         West           05-00322         West           05-00323         West           05-00324         West           05-00325         West           05-00326         East           05-00327         East           05-00328         East           05-00329         East           05-00329         East           05-00329         East           05-00329         East           05-00329         East           05-00329         East           05-00320         East           05-00320         East           05-00320         East      05-00320         East <t< td=""><td>ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> By for lining works g Works g Works ctive stone laying and Leachate Collection Pipe g works completed tructure &amp; Access Road 2 Wall Start Construction 2 Wall - Chainage 0+000 - 0+100 2 Wall - Chainage 0+100 - 0+200 3 Wall - Chainage 0+200 - 0+270 3 Wall Completion Wall Start Construction Wall Start Construction Wall Start Construction Wall - Chainage 0+50 - 0+150 Wall - Chainage 0+150 - 0+300 Wall - Chainage 0+300 - 0+415 Wall Completion</td><td>198         114         70         0         100         0         86         55         0         756         0         298         190         265         0         193         188         157         0         485</td><td>10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24 13-Jun-24 13-Jun-24 13-Jun-24 18-Jul-25 12-Apr-24</td><td>10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 27-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 09-Aug-25</td><td></td></t<>	ement cell installation Drain I Pump Station and Associated Equipment (Sumphouses) I Leachate Force Main Formation and Groundwater trench completion <b>2 (Portion E1, B1 &amp; E4)</b> By for lining works g Works g Works ctive stone laying and Leachate Collection Pipe g works completed tructure & Access Road 2 Wall Start Construction 2 Wall - Chainage 0+000 - 0+100 2 Wall - Chainage 0+100 - 0+200 3 Wall - Chainage 0+200 - 0+270 3 Wall Completion Wall Start Construction Wall Start Construction Wall Start Construction Wall - Chainage 0+50 - 0+150 Wall - Chainage 0+150 - 0+300 Wall - Chainage 0+300 - 0+415 Wall Completion	198         114         70         0         100         0         86         55         0         756         0         298         190         265         0         193         188         157         0         485	10-Nov-24 07-Jul-25 07-Jul-25 16-Sep-25 22-Oct-25 26-Oct-23 26-Oct-23 28-Oct-23 28-Oct-23 05-Sep-24 24-Mar-25 11-Jun-24 13-Jun-24 13-Jun-24 13-Jun-24 18-Jul-25 12-Apr-24	10-Mar-25 15-Sep-25 15-Sep-25 25-Dec-25 25-Dec-25 25-Dec-25 25-Dec-25 27-Dec-25 27-Dec-25 27-Dec-25 25-Dec-25 27-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 24-Dec-25 09-Aug-25	



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

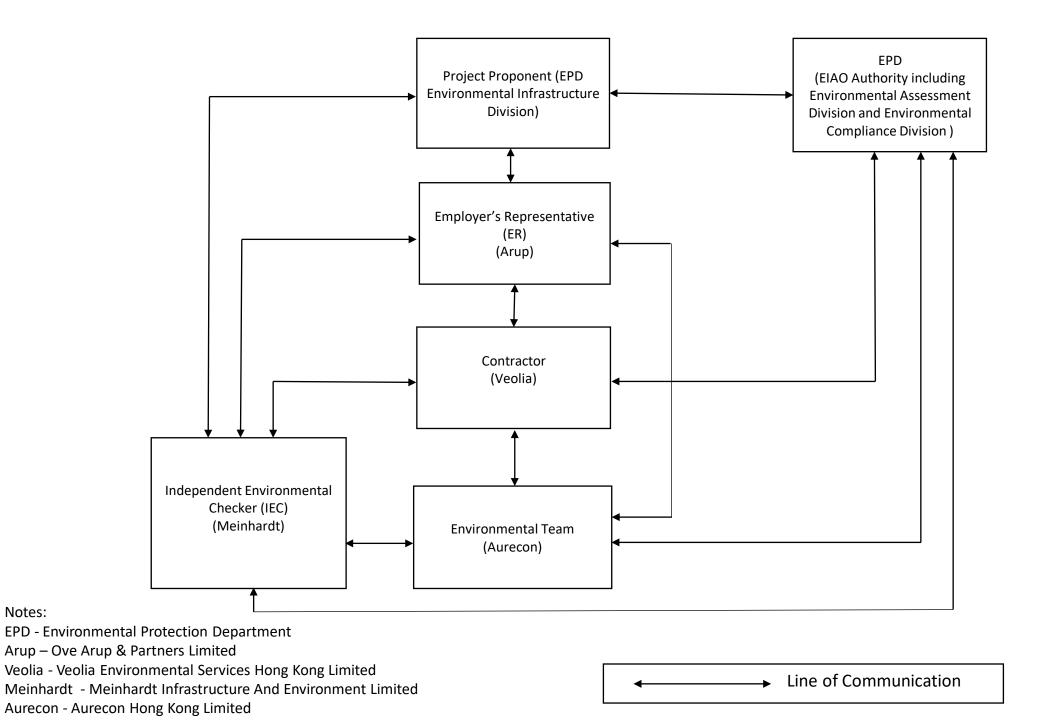
NORTH EAST NEW TERRITORIES (NE

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

V Summary

Oct         Nov         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         Oct         Nov         Dec         Jan         Feb         Mar         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Jun         Jul         Jun         Jul         Aug         Sep         Oct         Nov         Dec         Jan         Feb         Mar         Jun         Jun <th>2025 Mar Apr May Jun Jul Aug Sep Oct Nov Dec 39 40 41 42 43 44 45 46 47 48</th> <th>2026           c         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         J           3         49         50         51         52         53         54         55         56         57         58         59</th> <th>2027 Dec Jan Feb Mar Apr May Jun Jaùig 60 61 62 63 64 65 66 6768</th>	2025 Mar Apr May Jun Jul Aug Sep Oct Nov Dec 39 40 41 42 43 44 45 46 47 48	2026           c         Jan         Feb         Mar         Apr         May         Jun         Jul         Aug         Sep         Oct         Nov         J           3         49         50         51         52         53         54         55         56         57         58         59	2027 Dec Jan Feb Mar Apr May Jun Jaùig 60 61 62 63 64 65 66 6768
n(soil) Channel n OFF Collection House			
NOFF Collection House     Slope cut with soil nail and spra     Excavation(rock)     Toe Drain and Connection to Existing Drainage     Valley Drain     Install Earth Bund     Slte Formation and Groundwe     Install Landfill Gas Pipe on Earth Bu	ater trench completion		
Install Intercell Bund Settlement cell installation Install Leachate Force Main Install Pump Station and Asso Handover to VES - Ready for	ociated Equipment (Sumphouses) r lining works ing Works		
Pro Din of Area O-D I Site Survey / Topographic Survey / Condition Survey	tective stone laying and Leachate Collection Pipe ing works completed	▼	
Survey Report Tree Removal I Site Survey / Topographic Survey / Condition Survey completion Access Haul Road works Tree Removal completion Site Haul Road completion	~~~~~		
Install L	nent cell installation Landfill Gas Pipe on Earth Bund ainage surface Run OFF Collection House		
	<ul> <li>Ready for lining</li> <li>Lini</li> </ul>	ing Works ■ Protective stone laying and Leachate Collection Pipe	
) n of Area O-C Initial Site \$urvey / Topographic Survey / Condition Survey Initial Site \$urvey / Topographic Survey / Condition Survey completion Access Haul Road works Tree Survey / Tree Removal Tree Survey Report Tree Removal		<ul> <li>Lining works completed</li> </ul>	
Site Haul Road completion     Site Formation Start     Excavation (soil)     Drainage surface Run OFF Perimeter Cha			
Valley Drain	Install Landfill Gas Pipe on Earth Bi Install Earth bund In OFF Collection House Install Intercell Bu Settlement cell installation Toe Drain		
	Install Leachate ♦ Site Formation a ▼ ♦ Ready for lining	Force Main and Groundwater trench completion	
West Wall Start Construction West Wall - Chainage 0+000 - 04	West Wall - Chainage 0+100 - 0+200	<ul> <li>West Wall - Chainage 0+200 - 0+270</li> <li>♦ West Wall Completion</li> </ul>	
V Hard Landscaping	v	0 - 0+300 ■ East Wall - Chainage 0+300 - 0+415 ♦ East Wall Completion	
Soft	Landscaping Screen Planting Establishment of Screen Planting		
ENTX) LANDFILL EXTENSION	08-Ju	Date Revision ul-22 EXTRACTED - ISSUED 14JAN2023	Checked Approved DW AY
EXTRACTED (REV.3) (PHASE 1)			

# Appendix B Project Organization Chart & Management Structure



# Appendix C Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension (July 2023) (version 2.0) 7-2023									
Sun	Mon	Tue	Wed	Thur	Fri	Sat			
						1			
2	3	4	5	<b>6</b> Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	7	8			
9	10	11	12 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 and WM2		14	15			
16	17	18 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	19	20	21	22			
23	24 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	25	26	27	28	29 Air quality monitoring at AM1, AM2 and AM3			
30	31								

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).

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

#### Impact Monitoring Schedule for NENT Landfill Extension (June 2023) (version 8.0)

#### 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).

4. Air quality monitoring at AM1 was postponed by one day to 27 June 2023 due to the electric supply.

# Appendix D Calibration Certificates

# Air Quality





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

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 Test No.	Date	Time		K-Factor	Counts/ Minute (R)	Total Counts	TSP Sample	Dust Concentration (ug/m3), (C)	
		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
				and a second sec	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.

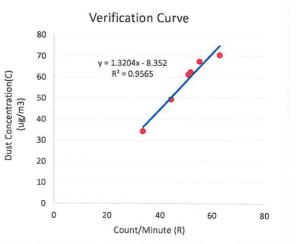
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

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

Verified By:

Date: 05-12-2022

Technical Mana







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

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			K-Factor	Counts/ Minute (R)	Total Counts	COMPANY CONTRACTOR	CONTRACTOR OF CONTRACTOR	Constant of the	Constanting of the	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

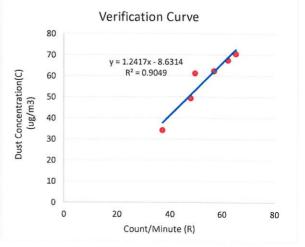
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

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





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

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		K-Factor	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				

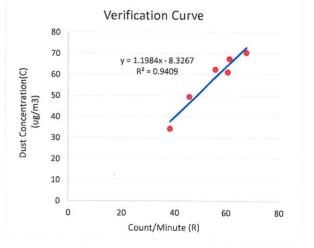
K-Factor to be inputted in LD-5R (corrected 1 decimal point): 1.0

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.

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



Verified By:

Date: 05-12-2022

Technical Manager





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

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		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	0.00111	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

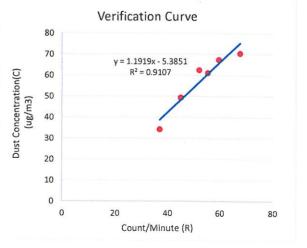
K-Factor to be inputted in LD-5R (corrected 1 decimal point):

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





#### HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

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 <sub>a</sub> ) (mm Hg):	760.8	Actual Temperature during Calibration (T <sub>a</sub> ) (deg K):	297.2
• • • • • • • • • • • • • • • • • • •	Calib	pration Orifice	

Model:	TE-5025A	Slope (m <sub>c</sub> ):	2.05924	
Serial No.:	3465	Intercept (b <sub>c</sub> ):	-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

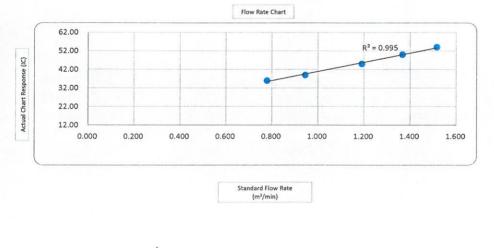
b= 16.1708

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<sub>c</sub> = calibrator slope b<sub>c</sub> = 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





#### HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

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 <sub>a</sub> ) (mm Hg):	760.8	Actual Temperature during Calibration (T <sub>a</sub> ) (deg K):	297.2
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Calibration Orifice					
Model:	TE-5025A	Slope (m <sub>c</sub> ):	2.05924		
Serial No.:	3465	Intercept (b <sub>2</sub> ):	-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 <sup>3</sup> /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

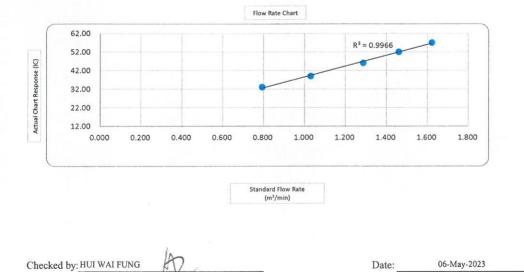
Calculations

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

Laboratory Manager

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

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







#### HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

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 <sub>a</sub> ) (mm Hg):	760.8	Actual Temperature during Calibration (T <sub>a</sub> ) (deg K):	297.2
	Calil	pration Orifice	

Model:	TE-5025A	Slope (m <sub>c</sub> ):	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

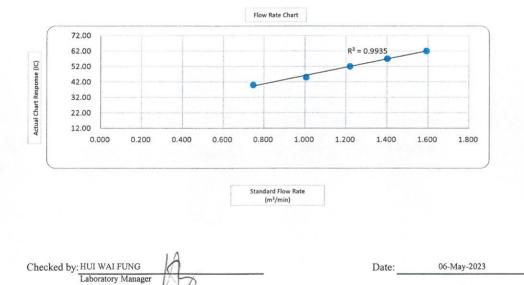
b= 19.3460

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<sub>Std</sub> = 298 deg K P<sub>Std</sub> = 760 mm Hg T<sub>a</sub> = actual temperature during calibration (deg K) P<sub>a</sub> = 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	Rootsmeter 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	1.414		0.9958	0.6968	0.8854	
	0.9918	0.9791	2.000		0.9915	0.9788	1.2522	
	0.9899	1.0938	2.236		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	calibrator manometer reading (in H2O)						egulations Part 5	
	ootsmeter manometer reading (mm Hg) ctual absolute temperature (°K)				Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in			
		essure (mm l	-lg)					
: intercept			.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
	30-130 dBA SPL	dBA SPL Fast	94		93.8	Ref	
30-130			104	1000	103.8	±0.3	
				114		114.0	±0.3

Time Weighting

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

Certificate No.: APJ22-071-CC001



Page 2 of 4

#### Frequency Response

#### Linear Response

Setting of Unit-under-test (UUT)			Appl	ied 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±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	$+1.2\pm1.6$
				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)			Appl	ied 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.



Page 4 of 4

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

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## **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

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

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

 Test Report No.
 : R-BC050055

 Date of Issue
 : 17 May 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 :	HORIBA U-53
Manufacturer :	HORIBA
Serial Number :	PORBNFNT
Date of Received :	11 May 2023
Date of Calibration :	17 May 2023
Date of Next Calibration :	16 August 2023
Request No. :	D-BC050055

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

Test Parameter	Reference Method
pH value	APHA 21e 4500 H <sup>+</sup>
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	4.14	0.14	Satisfactory
7.42	7.45	0.03	Satisfactory
10.01	10.06	0.05	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
16	17.5	1.5	Satisfactory
24	25.7	1.7	Satisfactory
32	32.3	0.3	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	9.66	-3.40	Satisfactory
20	19.52	-2.40	Satisfactory
30	30.20	0.67	Satisfactory

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

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning

Assistant Manager (Chemical Testing)

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

Test Report No.	: R-BC050055
Date of Issue	: 17 May 2023
Page No.	: 2 of 2

#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
8.22	7.88	-0.34	Satisfactory
4.31	3.90	-0.41	Satisfactory
1.81	1.37	-0.44	Satisfactory
0.07	0.00	-0.07	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	0.00		Satisfactory
10	10.8	8.00	Satisfactory
20	20.0	0.00	Satisfactory
100	106	6.00	Satisfactory
800	811	1.40	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		
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## **Calibration Certificate**

Certificate No. 210252

Page 2 of 2 Pages

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 (CH₄)			
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 <sub>2</sub> )			
Certified Gas (%)	Instrument Reading (%)	Uncertainty (%)	
5.0	5.0	0.074	
15.0	14.9	0.13	
40.0	40.0	0.29	

	Oxygen (O <sub>2</sub> )	
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

H<sub>2</sub>S

Approved by Signatory

Keeley Knight Laboratory Inspection

53

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

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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/m<sup>3</sup>) 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	Action Level	Limit Level
Date	Brand & Model	Serial No.	R-lactor	weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (5)	µg/m <sup>3</sup>							
2/6/2023	Sibata LD-5R	942532	0.00108	Fine	11:00	12:00	13:00	36	38	31	35			285	500
8/6/2023	Sibata LD-5R	942532	0.00108	Fine	11:20	12:20	13:20	16	24	19	20			285	500
14/6/2023	Sibata LD-5R	942532	0.00108	Cloudy	11:45	12:45	13:45	21	23	20	21	285	500	285	500
20/6/2023	Sibata LD-5R	942532	0.00108	Fine	15:00	16:00	17:00	24	28	25	26	205	500	285	500
27/6/2023	Sibata LD-5R	942532	0.00108	Fine	10:00	11:00	12:00	31	36	29	32			285	500
30/6/2023	Sibata LD-5R	942532	0.00108	Cloudy	10:40	11:40	12:40	31	34	30	32			285	500
							Average		28						
							Max.		38						
							Min.		15						

#### 1-hour TSP Concentration (µg/m<sup>3</sup>) at Location AM2

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	Action Level	Limit Level
2410	Brand & Model	Serial No.	it lucio.		Camping Time (1)			µg/m <sup>3</sup>							
2/6/2023	Sibata LD-5R	882106	0.00107	Fine	11:15	12:15	13:15	26	34	34	31			279	500
8/6/2023	Sibata LD-5R	882106	0.00107	Fine	14:44	15:44	16:44	21	29	23	24			279	500
14/6/2023	Sibata LD-5R	882106	0.00107	Cloudy	10:51	11:51	12:51	26	35	30	30	279	500	279	500
20/6/2023	Sibata LD-5R	882106	0.00107	Cloudy	14:30	15:30	16:30	41	45	40	42	219	500	279	500
26/6/2023	Sibata LD-5R	882106	0.00107	Fine	11:30	12:30	13:30	29	37	28	31			279	500
30/6/2023	Sibata LD-5R	882106	0.00107	Cloudy	10:50	11:50	12:50	21	32	23	25			279	500
							Average		31						
							Max.		45						
							Min.		21						

#### 1-hour TSP Concentration (µg/m<sup>3</sup>) 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	Action Level	Limit Level
Dute	Brand & Model	Serial No.	Relation	Weddiel	camping time (1)	oumping time (2)		µg/m <sup>3</sup>							
2/6/2023	Sibata LD-5R	0Z4545	0.00114	Fine	11:45	12:45	13:45	39	40	44	41			285	500
8/6/2023	Sibata LD-5R	0Z4545	0.00114	Fine	11:50	12:50	13:50	21	29	29	26			285	500
14/6/2023	Sibata LD-5R	0Z4545	0.00114	Cloudy	11:19	12:19	13:19	30	34	33	30	285	500	285	500
20/6/2023	Sibata LD-5R	0Z4545	0.00114	Fine	14:00	15:00	16:00	31	36	32	42	205	500	285	500
26/6/2023	Sibata LD-5R	0Z4545	0.00114	Fine	11:01	12:01	13:01	31	45	36	37			285	500
30/6/2023	Sibata LD-5R	0Z4545	0.00114	Cloudy	10:20	11:20	12:20	24	30	26	27			285	500
							Average		33						
							Max.		45						
							Min.		21						

Remarks:

1. The 1-hr TSP Monitoring at AM1 was postponded by one day to 27 June 2023 due to the electirc supply.

#### The Summary of TSP 24-hour Concentration (µg/m<sup>3</sup>) at Location AM1

Start Date	Weather	Avg Air Temp	Avg Atmospheric Pressure	Elapse	e Time	Sampling Time	Averaged Flow Rate	Averaged Flow Rate	Total Flow Volume	Filter W	eight (g)	Particulate weight	Concentration	Action Level	Limit Level
	Condition	(°C)	(hPa)	Initial	Final	(minutes)	(cfm)	(m <sup>3</sup> /min)	(m <sup>3</sup> )	Initial	Final	(g)	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m3)
2/6/2023	Fine	30.8	1006.2	1191.47	1215.47	1440	40	0.94	1348	2.6747	2.8023	0.1276	95		
8/6/2023	Fine	32.9	1005.7	1215.47	1239.47	1440	40	0.93	1339	2.6748	2.7240	0.0492	37		
14/6/2023	Cloudy	27.6	1005.0	1254.52	1278.52	1440	40.5	0.96	1386	2.6650	2.7177	0.0527	38	164	260
20/6/2023	Fine	28.4	1007.4	1278.52	1302.52	1440	39.5	0.92	1331	2.6671	2.7114	0.0443	33	104	200
27/6/2023	Fine	29.5	1009.7	1302.54	1326.54	1440	40	0.95	1361	2.7502	2.8205	0.0703	52		
30/6/2023	Cloudy	26.8	1006.3	1326.54	1350.54	1440	40	0.95	1363	2.7495	2.7882	0.0387	28		
												Average	47		
												Min	28		
												Max	95		
			(												

#### The Summary of 24-hour TSP Concentration (µg/m<sup>3</sup>) 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 <sup>3</sup> /min)	(m <sup>3</sup> )	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
2/6/2023	Fine	30.8	1006.2	964.46	988.46	1440	41	1.06	1529	2.6750	2.7578	0.0828	54		
8/6/2023	Fine	32.9	1005.7	988.46	1012.46	1440	39.5	1.01	1448	2.6658	2.7441	0.0783	54		
14/6/2023	Cloudy	27.6	1005.0	1012.46	1036.46	1440	40	1.03	1488	2.6576	2.7108	0.0532	36	152	260
20/6/2023	Fine	28.4	1036.5	1036.46	1060.46	1440	40	1.03	1490	2.6587	2.7136	0.0549	37	152	200
26/6/2023	Fine	29.5	1009.9	1060.46	1084.46	1440	40.5	1.05	1516	2.6977	2.7459	0.0482	32		
30/6/2023	Cloudy	26.8	1006.3	1084.46	1108.46	1440	40	1.04	1493	2.6614	2.7088	0.0474	32		
												Average	41		
												Min	32		
												Max	54		

#### The Summary of 24-hour TSP Concentration (µg/m<sup>3</sup>) at Location AM3

Start Date	Weather	Avg Air Temp	Avg Atmospheric Pressure	Elapse	e 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)	(m³/min)	(m <sup>3</sup> )	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
2/6/2023	Fine	30.8	1006.2	1971.67	1995.67	1440	39	0.71	1023	2.6577	2.7908	0.1331	130		
8/6/2023	Fine	32.9	1005.7	1995.67	2019.67	1440	41.5	0.80	1147	2.6758	2.8023	0.1265	110		
14/6/2023	Cloudy	27.6	1005.0	2019.67	2043.67	1440	39.5	0.73	1058	2.6601	2.7270	0.0669	63	163	260
20/6/2023	Fine	28.4	1007.2	2043.69	2067.69	1440	41	0.79	1140	2.6637	2.7305	0.0668	59	105	200
26/6/2023	Fine	29.5	1009.7	2067.69	2091.69	1440	42	0.83	1195	2.6818	2.7854	0.1036	87		
30/6/2023	Cloudy	26.8	1006.3	2091.69	2115.69	1440	42	0.83	1197	2.6674	2.7184	0.0510	43		
												Average	82		
												Min	43		
												Max	130		
Remarks:															

Remarks: 1. Orange Text equal to exceed Action Level 2. Red Text equal to exceed Limit Level 3. The 24-hr TSP Monitoring at AM1 was postponded by one day to 27 June 2023 due to the electirc supply.

# <u>Noise</u>

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

Date	Weather	Wind speed	Start Time	End Time				L <sub>eq</sub>	(dB(/	4))				L <sub>10</sub> (c	IB(A))					L <sub>90</sub> (c	IB(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
8/6/2023	Fine	2.1	11:00	11:30	61.4	61.9	60.4	61.1	61.9	62.2	61.5	63.4	63.2	60.4	61.1	61.9	62.2	59.4	59.1	58.2	59.4	58.8	57.2
14/6/2023	Cloudy	2.1	11:20	11:50	59.4	60.2	61.2	58.2	60.4	61.1	60.2	61.9	63.3	64.2	62.2	63.6	64.2	55.8	57.1	58.2	57.4	56.6	55.2
21/6/2023	Fine	0.3	14:00	14:30	56.2	51.6	52.9	53.3	51.6	53.4	53.5	61.7	52.8	54.5	55	53	54.5	50.2	49.6	50.8	49.7	49.1	50.2
26/6/2023	Fine	3.1	11:50	12:20	54.3	53.3	54.4	53.6 54.1 55.1		55.1	54.2	56.2	55.2	56.4	56.1	56.9	56.6	50.9	50.2	51.2	52.3	51.6	50.6
					_			Average		е	58.6												
								Average Baseline Level		evel	55.4												
								Act	ion Le	vel	When one vali	id docu	Imente	d comp	olaint is	s receiv	red						
								Lir	nit Lev	vel	75												

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

Date	Weather	Wind speed	Start Time	End Time				L <sub>ec</sub>	, (dB(/	A))				L <sub>10</sub> (c	IB(A))					L <sub>90</sub> (c	dB(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
8/6/2023	Fine	3.1	16:00	16:30	57.4	58.1	59.2	57.2	56.4	57.1	57.7	58.1	59.9	61.2	58.9	57.7	59.1	53.2	52.3	53.4	51.9	52.8	53.4
14/6/2023	Cloudy	2.1	14:00	14:30	53.2	52.4	54.1	54.6	55.1	53.6	53.9	54.5	53.4	55.2	56.2	59.1	54.6	50.3	51.4	52.1	52.4	53.2	51.2
21/6/2023	Fine	0.7	16:00	16:30	47.5	46.5	47.1	48.2	51.5	47.9	48.5	48.3	48	47.9	48.9	47.9	48	42.4	44.5	43.4	42.9	44.2	44.4
26/6/2023	Fine	3.2	16:00	16:30	49.1	50.1	51.2	49.4	48.1	48.3	49.5	51.9	52.2	52.9	51.4	51.1	52.6	45.2	46.2	45.1	46.6	44.2	45.1
									Averag	e	53.9							_					
								Bas	eline L	evel	54.5	1											

Busenne Lever	01.0	
Action Level	When one vali	d documented complaint is received
Limit Level	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)	
				( <sup>n</sup> ) (°C)	(0)	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
21-Jun-23	16:05	Fine	0.05	0.5	28.0	7.6	<7.4	<4	7.1	>7.7	>7.8	5.7	>9.2	>9.5	6.6	>9.7	>11.4

#### Monitoring Location: WM2

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature (°C)	DO (mg/L)		pH			Turbidity (NTU)			SS (mg/L)			
						Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
21-Jun-23	14:03	Fine	0.15	0	27.3	6.7	<5	<4	7.2	>7.6	>7.7	142.5	>108.3	>108.9	83.2	>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"

3. Organe text equal to "Exceed Action Level"

4. Red text equal to "Exceed Limit Level"

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

## **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### CERTIFICATE OF ANALYSIS : ACUMEN LABORATORY AND TESTING LIMITED : ALS Technichem (HK) Pty Ltd : 1 of 9 Client Laboratory Page : HK2324385 : HUNTINGTON HUI : Richard Fung Work Order Contact Contact : UNIT D, 12/F, FORD GLORY PLAZA, NOS.37-39 WING HONG Address : 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Address STREET, CHEUNG SHA WAN, KOWLOON, HONG KONG Yip Street, Kwai Chung, N.T., Hong Kong : Huntington.Hui@aurecongroup.com : richard.fung@alsglobal.com E-mail E-mail : +852 2610 1044 Telephone : -----Telephone Facsimile : +852 2610 2021 : -----Facsimile : 21-Jun-2023 : NENTX Project Date Samples Received Order number : ----: HKE/2751/2022\_V2 : 06-Jul-2023 Quote Issue Date number : 2 No. of samples received C-O-C number : ----: 2 No. of samples analysed Site 1

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the testing laboratory.

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

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

#### ALS Technichem (HK) Pty Ltd Part of the ALS Laboratory Group

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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 21-Jun-2023 to 05-Jul-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: HK2324385

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 17:50.

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.

## Page Number : 3 of 9 Client : ACUMEN LABORATORY AND TESTING LIMITED Work Order HK2324385



Analytical Results

Sub-Matrix: WATER			Sample ID	WM1	WM2				
			ng date / time	21-Jun-2023	21-Jun-2023				
Compound	CAS Number	LOR	Unit	HK2324385-001	HK2324385-002				
EA/ED: Physical and Aggregate Properties									
EA002: pH Value		0.1	pH Unit	7.0	7.3				
EA010: Electrical Conductivity @ 25°C		1	µS/cm	57	154				
EA025: Suspended Solids (SS)		0.1	mg/L	6.6	83.2				
ED037: Total Alkalinity as CaCO3		1	mg/L	15	35				
ED/EK: Inorganic Nonmetallic Parameters									
ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	2	17				
ED045K: Chloride	16887-00-6	0.5	mg/L	6	11				
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.14				
EK058A: Nitrate as N	14797-55-8	0.01	mg/L	0.06	0.32				
EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	0.6	0.8				
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.01	<0.01				
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2				
EP: Aggregate Organics									
EP005: Total Organic Carbon		1	mg/L	2	2				
EP020: Oil & Grease		5	mg/L	<5	<5				
EP026C: Chemical Oxygen Demand		5	mg/L	9	14				
EP030: Biochemical Oxygen Demand		2	mg/L	<2	<2				
EG: Metals and Major Cations - Total									
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2				
EG020: Copper	7440-50-8	1	µg/L	1	6				
EG020: Lead	7439-92-1	1	µg/L	1	11				
EG020: Manganese	7439-96-5	1	µg/L	34	509			<b>10 10 10 10</b>	
EG020: Nickel	7440-02-0	1	µg/L	<1	12				
EG020: Zinc	7440-66-6	10	µg/L	13	51				
EG032: Calcium	7440-70-2	50	µg/L	3340	18600				
EG032: Iron	7439-89-6	10	µg/L	570	3850				
EG032: Magnesium	7439-95-4	50	µg/L	540	1560				
EG032: Potassium	7440-09-7	50	μg/L	830	3050				
EG032: Sodium	7440-23-5	50	µg/L	6750	6830				

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#### Client : ACUMEN LABORATORY AND TESTING LIMITED



Work Order HK2324385

Sub-Matrix: WATER			Sample ID	WM1	WM2	 	
		Samplii	ng date / time	21-Jun-2023	21-Jun-2023	 	
Compound	CAS Number	LOR	Unit	HK2324385-001	HK2324385-002	 	
EM: Microbiological Testing							
EM002: E. coli		1	CFU/100mL	160	2800	 	
EM003: Total Coliforms		1	CFU/100mL	220	4200	 	



## Laboratory Duplicate (DUP) Report

Matrix: WATER					Laboratory Duplicate (DUP) Report							
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	<b>RPD</b> (%)				
EA/ED: Physical and Aggr	egate Properties (QC Lot: 51	30115)										
HK2324385-002	WM2	EA025: Suspended Solids (SS)		0.5	mg/L	83.2	82.7	0.6				
EA/ED: Physical and Aggr	egate Properties (QC Lot: 51	30573)										
HK2324234-001	Anonymous	EA010: Electrical Conductivity @ 25°C		1	µS/cm	211	211	0.0				
EA/ED: Physical and Aggr	egate Properties (QC Lot: 51	30574)										
HK2324384-001	Anonymous	EA002: pH Value		0.1	pH Unit	7.4	7.4	0.0				
HK2324399-001	Anonymous	EA002: pH Value		0.1	pH Unit	8.0	8.0	0.0				
EA/ED: Physical and Aggr	egate Properties (QC Lot: 51	30602)										
HK2324297-001	Anonymous	ED037: Total Alkalinity as CaCO3		1	mg/L	<1	<1	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 513	30203)										
HK2324178-003	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	23	23	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 513	30205)										
HK2324385-001	WM1	ED045K: Chloride	16887-00-6	1	mg/L	6	6	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 513	30206)										
HK2324385-001	WM1	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.01	0.01	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 513	30211)										
HK2324385-001	WM1	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	<0.01	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 513	36653)										
HK2324080-001	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0				
ED/EK: Inorganic Nonmeta	allic Parameters (QC Lot: 515	51752)										
HK2324385-001	WM1	EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	0.6	0.6	0.0				
EP: Aggregate Organics	QC Lot: 5139108)											
HK2324856-001	Anonymous	EP005: Total Organic Carbon		1	mg/L	<50	<50	0.0				
EP: Aggregate Organics	QC Lot: 5151348)											
HK2321471-001	Anonymous	EP026C: Chemical Oxygen Demand		5	mg/L	6	6	0.0				
EG: Metals and Major Cati	ons - Total (QC Lot: 5130258	3)										
HK2324385-002	WM2	EG032: Iron	7439-89-6	10	µg/L	3850	3610	6.5				
		EG032: Calcium	7440-70-2	50	µg/L	18600	18400	1.5				
		EG032: Magnesium	7439-95-4	50	µg/L	1560	1530	2.3				
		EG032: Potassium	7440-09-7	50	µg/L	3050	2970	2.6				
		EG032: Sodium	7440-23-5	50	µg/L	6830	6700	1.9				

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HK2324385

Matrix: WATER	atrix: WATER				Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	<b>RPD</b> (%)			
EG: Metals and Major C	ations - Total (QC Lot: 5130259)						·				
HK2324385-002	WM2	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0			
		EG020: Copper	7440-50-8	1	µg/L	6	7	0.0			
		EG020: Lead	7439-92-1	1	µg/L	11	11	0.0			
		EG020: Manganese	7439-96-5	1	µg/L	509	506	0.7			
		EG020: Nickel	7440-02-0	1	µg/L	12	12	0.0			
		EG020: Zinc	7440-66-6	10	µg/L	51	51	0.0			

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

Matrix: WATER	[		Method Blank (MB	3) Report		Laboratory Contr	ol Spike (LCS) and Labor	atory Control S	pike Duplicate (	DCS) Report	
					Spike Concentration	Spike Re	covery (%)	Recove	ory Limits(%)	RP	D (%)
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC	C Lot: 5130115)										
EA025: Suspended Solids (SS)		0.5	mg/L	<0.5	10 mg/L	98.5		82.4	118		
EA/ED: Physical and Aggregate Properties (QC	C Lot: 5130573)										
EA010: Electrical Conductivity @ 25°C		1	µS/cm	<1	146.9 µS/cm	101		93.5	106		
				<1	1412 µS/cm	98.6		94.3	105		
EA/ED: Physical and Aggregate Properties (QC	C Lot: 5130602)										
ED037: Total Alkalinity as CaCO3		1	mg/L	<1	50 mg/L	101		95.0	105		
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5130203)										
ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	<1	5 mg/L	100		89.8	108		
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5130205)										
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	97.4		88.2	108		
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5130206)										
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	97.3		92.4	106		
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5130211)										
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	97.7		89.3	109		
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5136653)				· · · · ·		·		· · · ·		
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2							
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5151752)			•							

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Client : ACUMEN LABORATORY AND TESTING LIMITED



Work Order HK2324385

Matrix: WATER	[		Method Blank (MB	3) Report		Laboratory Contro	ol Spike (LCS) and Labor	atory Control S	pike Duplicate (i	DCS) Report	
					Spike Concentration	Spike Red	covery (%)	Recove	ry Limits(%)	RP	D (%)
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
ED/EK: Inorganic Nonmetallic Parameters (QC	Lot: 5151752) - Con	tinued	•	•			2				
EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	<0.1	0.5 mg/L	111		89.0	120		
EP: Aggregate Organics (QC Lot: 5126405)											
EP030: Biochemical Oxygen Demand			mg/L		198 mg/L	93.0		78.6	118		
EP: Aggregate Organics (QC Lot: 5139081)											
EP020: Oil & Grease		2	mg/L	<2	20 mg/L	86.4		84.2	110		
EP: Aggregate Organics (QC Lot: 5139108)											
EP005: Total Organic Carbon		1	mg/L	<1	5 mg/L	98.7		78.1	123		
				<1	100 mg/L	98.3		79.9	119		
EP: Aggregate Organics (QC Lot: 5151348)											
EP026C: Chemical Oxygen Demand			mg/L		25 mg/L	101		92.0	108		
					250 mg/L	96.9		92.3	106		
EG: Metals and Major Cations - Total (QC Lot:	5130258)			-							
EG032: Calcium	7440-70-2	50	µg/L	<50	2000 µg/L	98.2		85.0	115		
EG032: Iron	7439-89-6	10	µg/L	<10	2000 µg/L	105		85.0	115		
EG032: Magnesium	7439-95-4	50	µg/L	<50	2000 µg/L	104		85.0	115		
EG032: Potassium	7440-09-7	50	µg/L	<50	2000 µg/L	99.5		85.0	115		
EG032: Sodium	7440-23-5	50	µg/L	<50	2000 µg/L	101		85.0	115		
EG: Metals and Major Cations - Total (QC Lot:	5130259)										
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	5 µg/L	103		85.0	109		
EG020: Copper	7440-50-8	1	µg/L	<1	50 µg/L	104		90.0	111		
EG020: Lead	7439-92-1	1	µg/L	<1	50 µg/L	94.4		89.0	111		
EG020: Manganese	7439-96-5	1	µg/L	<1	50 µg/L	97.4		85.0	115		
EG020: Nickel	7440-02-0	1	µg/L	<1	50 µg/L	99.6		87.0	110		
EG020: Zinc	7440-66-6	10	µg/L	<10	50 µg/L	111		86.0	114		



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

Matrix: WATER					Matrix Spil	ke (MS) and Matri	ix Spike Duplic	ate (MSD) Re	aport i	
				Spike	Spike Re	со <i>vе</i> лу (%)	Recovery	Limits (%)	RPL	7(%)
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorgani	ic Nonmetallic Parameters (QC Lot: 5130	203)								
HK2324178-003	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric		50 mg/L	93.8		75.0	125		
ED/EK: Inorgani	ic Nonmetallic Parameters (QC Lot: 5130	205)								
HK2324385-001	WM1	ED045K: Chloride	16887-00- 6	5 mg/L	90.8		75.0	125		
ED/EK: Inorgani	ic Nonmetallic Parameters (QC Lot: 5130	206)		·					·	
HK2324385-001	WM1	EK071K: Reactive Phosphorus as P	14265-44- 2	0.5 mg/L	98.5		75.0	125		
ED/EK: Inorgani	ic Nonmetallic Parameters (QC Lot: 5130	211)								
HK2324385-001	WM1	EK055K: Ammonia as N	7664-41-7	0.5 mg/L	100		75.0	125		
ED/EK: Inorgani	ic Nonmetallic Parameters (QC Lot: 5151	752)	-	· · · · · · · · · · · · · · · · · · ·				·	·	
HK2324385-001	WM1	EK061A: Total Kjeldahl Nitrogen as N		0.5 mg/L	108		75.0	125		
EP: Aggregate C	Organics (QC Lot: 5139108)									
HK2324856-001	Anonymous	EP005: Total Organic Carbon		250 mg/L	81.4		75.0	125		
EP: Aggregate C	Organics (QC Lot: 5151348)	-								
HK2321471-001	Anonymous	EP026C: Chemical Oxygen Demand		10 mg/L	102		75.0	125		
EG: Metals and	Major Cations - Total (QC Lot: 5130258)	-								
-IK2324385-001	WM1	EG032: Calcium	7440-70-2	2000 µg/L	95.2		75.0	125		
		EG032: Iron	7439-89-6	2000 µg/L	110		75.0	125		
		EG032: Magnesium	7439-95-4	2000 µg/L	103		75.0	125		
		EG032: Potassium	7440-09-7	2000 µg/L	101		75.0	125		
		EG032: Sodium	7440-23-5	2000 µg/L	92.9		75.0	125		
EG: Metals and	Major Cations - Total (QC Lot: 5130259)	1						1		1
HK2324385-001	WM1	EG020: Cadmium	7440-43-9	5 µg/L	105		75.0	125		
		EG020: Copper	7440-50-8	50 µg/L	110		75.0	125		
		EG020: Lead	7439-92-1	50 µg/L	98.7		75.0	125		
		EG020: Manganese	7439-96-5	50 µg/L	106		75.0	125		
		EG020: Nickel	7440-02-0	50 µg/L	108		75.0	125		

## Page Number : 9 of 9 Client : ACUMEN LABORATORY AND TESTING LIMITED Work Order HK2324385

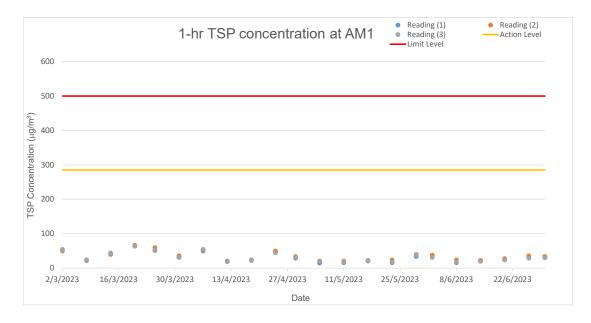


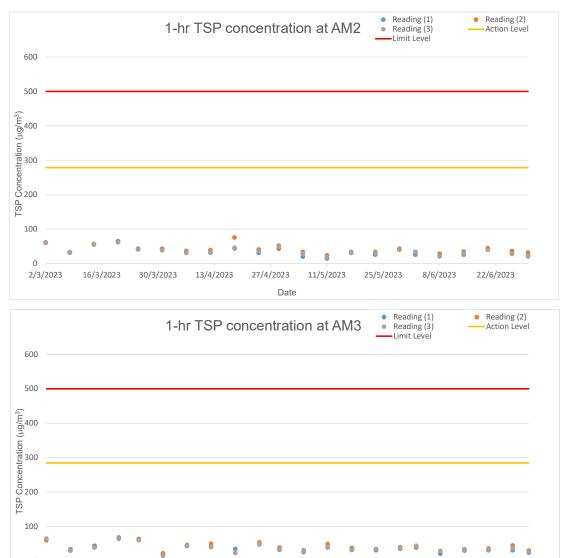
HK23243

Matrix: WATER	latrix: WATER			Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike	Spike Re	covery (%)	Recovery	Limits (%)	RPD	) (%)
Laboratory	Sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control
sample ID										Limit
EG: Metals and	Major Cations - Total (QC Lot: 5130259)	- Continued								
HK2324385-001	WM1	EG020: Zinc	7440-66-6	50 µg/L	96.7		75.0	125		

## Appendix F Graphical Presentations

# Air Quality





0 2/3/2023

16/3/2023

30/3/2023

13/4/2023

27/4/2023

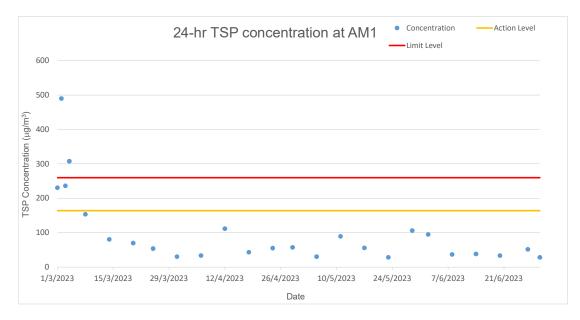
Date

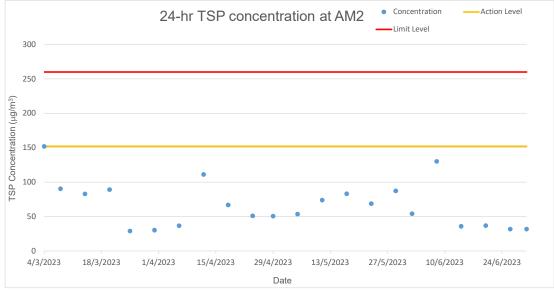
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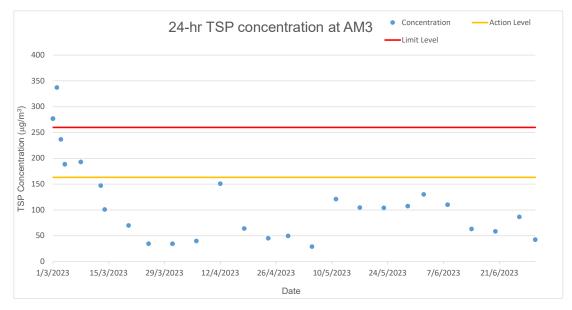
25/5/2023

8/6/2023

22/6/2023



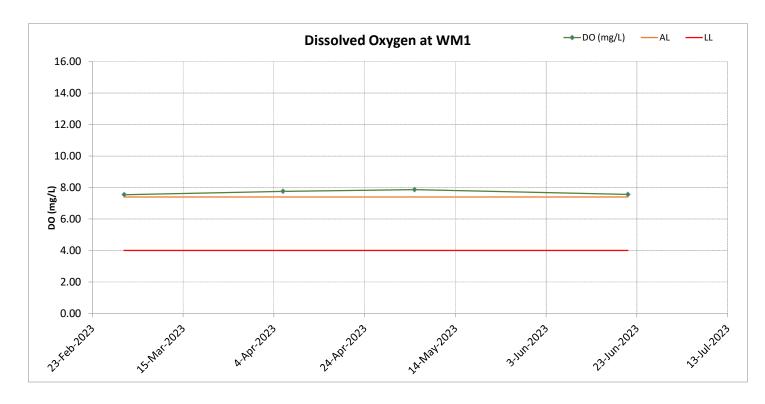


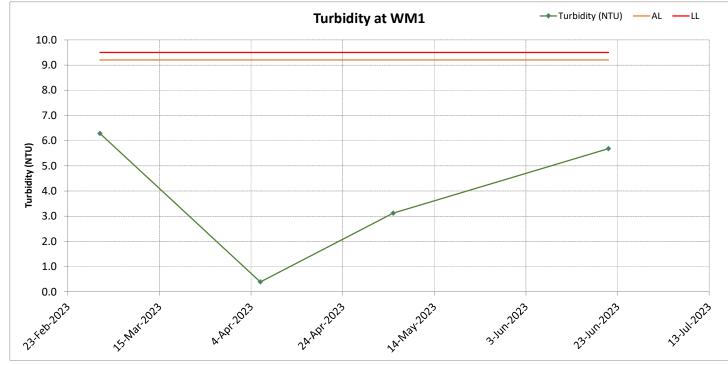


# <u>Noise</u>



# Water Quality





7.0 6.9 6.8

235Feb 2023

15 Mar 2023

4.491-2023

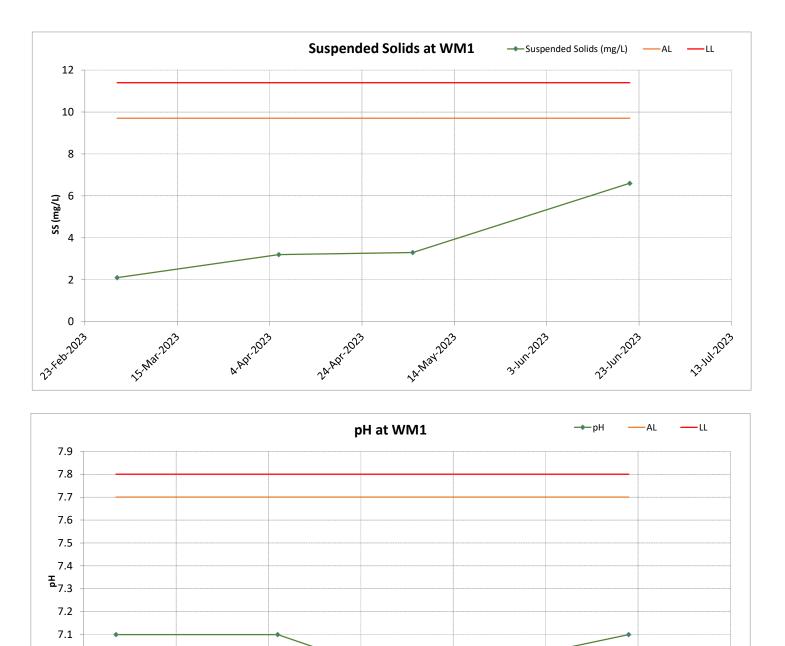
24 APT 2023

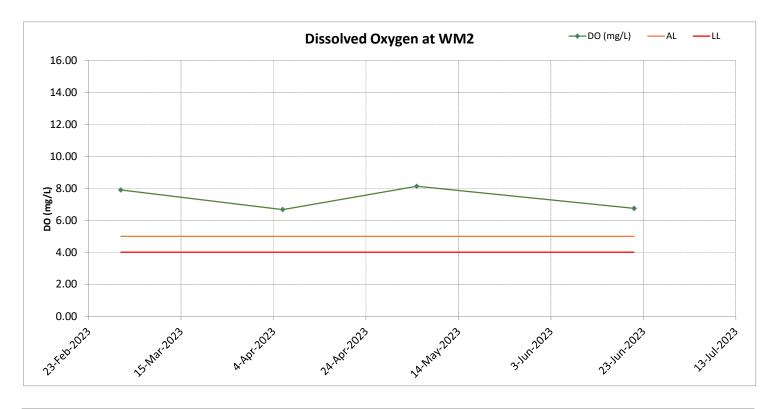
14.May 2023

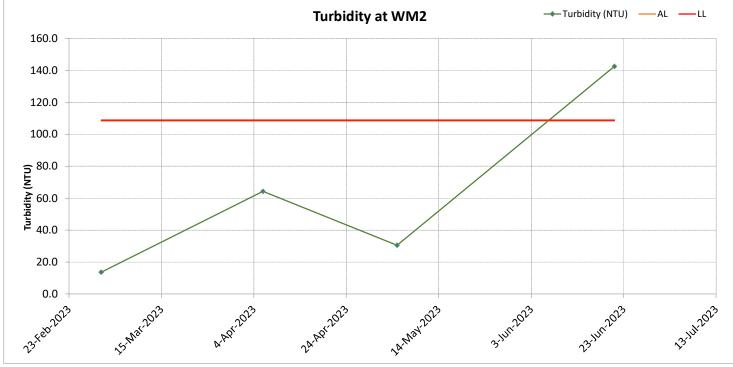
3-141-2023

23.410.2023

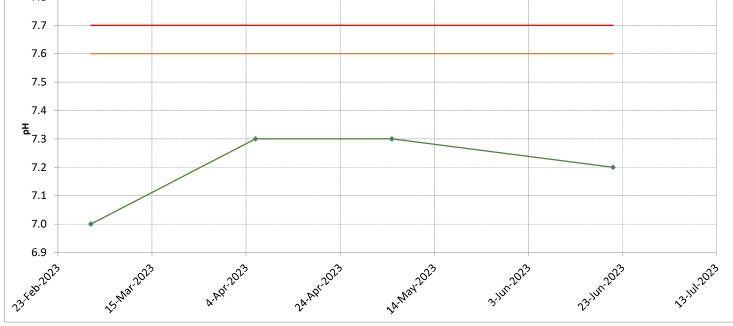
13-1412023











## 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	ng period	Accumulate project to date			
Station	Level Exceedance		24411 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		

### **Noise Monitoring**

Manifering Ofation	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
14/1/0	рН	0	0
WM2	Turbidity	0	1#
	Suspended Solids	0	0

Remarks: # equal to "Investigation In progress"

## Landfill Gas (LFG) Monitoring

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

North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 7) – June 2023

## Appendix H Wind Data

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230601 0000	2.5	SE
20230601 0010	2.5	ESE SE
20230601_0020	1.7	SE
20230601_0030	2.5	ESE ESE
20230601_0040	2.2	ESE
20230601_0050	2.8	ESE
20230601_0100		
20230601_0110	3.1	E
20230601_0120	2.5	ESE
20230601_0130	2.5	ESE
20230601_0140	2.5	SE
20230601_0150 20230601_0200	2.5	ESE
	3.1 2.8	ESE ESE
20230601_0210 20230601_0220	2.8	ESE
20230601_0220	3.1	ESE
20230601_0230	3.3	ESE
20230601_0250	2.5	ESE ESE
20230601_0250	3.1	ESE
20230601_0310	3.1	ESE ESE
20230601_0310	2.8	ESE
20230601_0330	2.8	E
20230601_0340	2.8	E
20230601_0350	2.5	Ē
20230601_0400	3,3	Ē
20230601 0410	2.5	ENE
20230601 0420	1.7	Е
20230601 0430	2.2	ENE
20230601 0440	2.2	Е
20230601_0450	1.4	NNE
20230601 0500	1.1	N
20230601_0510	1.4	N
20230601_0520	1.7	N
20230601 0530	0.8	N
20230601_0540	2.2	NNE
20230601_0550	2.8	NNE
20230601 0600	3.6	NNE
20230601_0610	3.3	NNE
20230601_0620	3.6	NNE
20230601 0630	3.3	NNE
20230601_0640	3.1	NNE
20230601_0650	3.3	NNE
20230601 0700	3.3	NNE
20230601_0710	3.3	NNE
20230601_0720	2.5	NNE
20230601 0730	2.2	NNE
20230601_0740 20230601_0750	1.7 2.2	N N
20230601_0750	2.2	NNE
20230601 0800	2.8	NNE N
20230601_0810	2.2	N
20230601_0820	1.7	NNE
20230601_0840	2.2	NNE
20230601_0840	1.7	N
20230601_0850	1.9	N
20230601_0900	2.5	N
20230601_0920	2.8	NNE
20230601_0920	2.5	N
20230601_0940	2.8	N
20230601_0910	3.1	NNE
20230601_1000	2.2	NNE
20230601 1010	1.7	NNE
20230601_1020	1.9	N
20230601_1030	2.5	NNE
20230601 1040	2.5	NNE
20230601_1050	3.1	NNE
20230601_1100	2.8	NNE
20230601 1110	3.3	NNE
20230601_1120	3.3	NNE
20230601_1130	4.4	NNE
20230601 1140	3.3	NNE
20230601_1150	4.2	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230601 1200	3.9	NNE
20230601_1210	3.9	NNE
20230601_1220	4.7	NNE
		ININE
20230601_1230	5	NNE
20230601_1240	4.4	N
20230601 1250	4.7	Ν
20230601 1300	4.7	N
20230601 1310		NNE
	4.7	
20230601_1320	5.3	NNE
20230601 1330	4.2	N
20230601 1340	4.7	N
20230601_1350	4.2	NNE
20230601_1550	3.9	NNE
20230601_1410	5	NNE
20230601_1420	4.7	NNE
20230601 1430	5.8	NNE
20230601 1440	5	NNE
	4.2	
20230601_1450		NNE
20230601 1500	4.7	NNE
20230601 1510	3.3	NNE
20230601_1520	4.7	N
20230601_1520	3.6	N
20230601_1540	3.9	N
20230601_1550	3.3	N
20230601 1600	3.3	Ν
20230601_1610	3.9	N
		N
	3.3	
20230601 1630	3.3	N
20230601_1640	4.7	NNE
20230601_1650	3.9	NNE
20230601 1700	5	NNE
20230601_1710	3.9	N
20230601_1720	3.1	N
20230601 1730	3.9	NNE
20230601 1740	3.6	N
20230601_1750	3.9	
		NNE
20230601 1800	3.9	NNE
20230601 1810	3.9	NNE
20230601 1820	4.4	NNE
20230601_1820 20230601_1830	3.3	NE
20230601_1830	3.9	NNE
20230601_1840		
20230601_1850	3.6	NNE
20230601 1900	4.2	NNE
20230601_1910	3.3	NNE
20230601_1910	3.9	NNE
20220001_1720	3.3	
20230601 1930		NNE
20230601_1940	3.3	NNE
20230601 1950	3.3	NNE
20230601 2000	3.3	NNE
20230601 2000	3.9	N
20230601_2020	3.3	NNE
20230601_2030	2.8	N
20230601 2040	2.2	N
20230601 2050	2.8	N
20230601_2100	3.3	N
20230601_2110	4.2	N
20230601_2120	4.2	N
20230601 2130	3.3	Ν
20230601 2140	3.1	N
20230601_2150	3.1	N
20230601_2200	2.8	N
20230601 2210	3.9	N
20230601 2220	3.9	N
20230601_2230	3.9	N
20230601 2240	3.3	N
20230601_2250	3.9	Ν
20230601 2300	4.2	Ň
20230601 2310	3.3	N
20230601_2320	4.7	N
20230601_2330	3.1	N
20230601 2340	4.2	N
20230601_2350	3.6	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230602_0000	3.3	NNE
20230602 0010	3.1	NNE
20230602_0020	3.3	NNE
20230602 0030	3.1	NNE
20230602 0040	3.3	N
20230602_0050	3.3	N
20230602 0100	3.6	N
20230602_0110	3.9	N
20230602_0110	3.9	N
20230602_0120	4.2	N
	3.9	
20230602_0140		N
20230602_0150	3.1	N
20230602 0200	3.1	N
20230602_0210	3.3	N
20230602_0220	3.1	N
20230602 0230	3.9	N
20230602_0240 20230602_0250	3.3	N
20230602_0250	3.9	N
20230602_0300 20230602_0310	3.1	Ν
20230602 0310	3.1	NNE
20230602 0320	2.8	NNE
20230602 0330	3.3	N
20230602 0350	3.6	N
20230602_0310	3.9	N
20230602_0350	3.3	N
20230602 0400	3.3	N
20230602_0410	3.1	N
20230602_0420	3.3	N
20230602 0430	3.3	N
20230602_0450	3.3	N
	3.3	
	3.3	N
20230602_0510		NNE
20230602_0520	3.3	NNE
20230602 0530	3.3	NNE
20230602_0540	3.3	NNE
20230602_0550	4.2	NNE
20230602 0600	3.3	N
20230602_0610	3.6	N
20230602_0620	4.4	N
20230602 0630	5	NNE
20230602_0640	4.4	NNE
20230602_0650	4.2	N
20230602 0700	3.9	Ν
20230602 0710	4.4	N
20230602_0720	4.7	NNE
20230602 0730	5.8	NNE
20230602_0740	5.3	NNE
20230602_0710	4.4	NNE
20230602_0750	5,3	NNE
20230602 0800	4.7	NNE
20230602_0810	4.7	NNE
20230602_0820	4.2	NNE
20230602_0830	4.2	N
20230602_0850	4.2	N
20230602_0900	3.3	N
20230602 0910	3.9	N
20230602_0920	3.1	N
20230602_0930	3.9	N
20230602_0940	4.7	NNE
20230602_0950	4.2	NNE
20230602_1000	3.3	NNE
20230602 1010	3.9	N
20230602_1020	5	NNE
20230602_1030	3.6	Ν
20230602 1040	3.3	N
20230602_1050	3.1	N
20230602_1100	3.3	N
20230602 1110	4.2	N
		N
20230602 1120	3.3	
20230602_1120 20230602_1130		
20230602_1120 20230602_1130 20230602_1140	3.3 3.6 3.3	NNE NNE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230602 1200	3.6	N
20230602_1200	3.1	N
20230602_1220	3.1	N
20230602_1220	3.6	N
20230602_1230	3.3	N
20230602_1240	3.9	N
20230602_1250		
20230602_1300	4.2	NNE
20230602_1310	3.6	N
20230602_1320	3.9	NNE
20230602_1330	4.2	N
20230602_1340	4.4	N
20230602_1350	3.9	N
20230602 1400	4.7	Ν
20230602_1410	5	NNE
20230602_1420	3.6	NNE
20230602 1430	4.4	NNE
20230602 1440	4.4	NNE
20230602 1450	4.4	NNE
20230602 1500	4.2	NNE
20230602 1510	4.4	NNE
20230602_1510	4.2	NNE
20230602_1520	4.2	NNE
20230602 1530	4.4	NNE
20230602_1540	4.4	NNE
	4.7	
		NNE
20230602_1610	3.3	NNE
20230602_1620	3.6	NNE
20230602 1630	4.2	NNE
20230602_1640	3.6	NNE
20230602_1650	2.8	NNE
20230602 1700	2.8	NNE
20230602_1710	3.1	N
20230602_1720	3.3	NNE
20230602 1730	3.3	NNE
20230602 1740	3.9	NNE
20230602 1750	4.2	NNE
20230602 1800	3.3	NNE
20230602 1810	4.2	NNE
20230602_1010	3.9	NNE
20230602_1820	3.9	NNE
20230602 1830	1.9	ENE
20230602_1840	0.8	LINE
		-
20230602 1900	0.3	N
20230602_1910	2.5	NNE
20230602_1920	1.4	NE
20230602 1930	0.3	-
20230602_1940	0.6	-
20230602_1950	0.8	NNE
20230602 2000	1.4	NNE
20230602_2010	0.8	N
20230602_2020	0	N
20230602_2030	0.3	-
20230602_2040	0.8	SW
20230602_2050	0.6	WNW
20230602_2100	0.3	-
20230602 2110	0.3	W
20230602_2120	0.3	NNW
20230602_2130	1.4	N
20230602_2140	2.5	N
20230602_2150	2.2	N
20230602_2200	2.5	N
20230602_2200	3.1	N
20230602_2210	1.9	N
20230602_2220	1.9	N
20230602_2230		
20230602 2240	1.1	N
20230602_2250	0.8	ENE
20230602_2300	0.8	NE
20230602 2310	0.8	E
20230602 2310	0	N
20230602 2310	0 1.1	N SSE
20230602 2310 20230602 2320 20230602 2330 20230602 2340 20230602 2350	0	N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230603_0000	0	N
20230603 0010	0.8	SSE
20230603_0020	0.3	N
20230603_0030	0.3	-
20230603_0040	0	N
20230603_0050	0.3	SSW
20230603_0100 20230603_0110	0.3	SW SW
20230603_0110	0.3	S
20230603_0120	0.3	SSE
20230603 0140	0.8	SSE
20230603_0150	0.3	-
20230603 0200	0.3	ESE
20230603_0210	0	N
20230603_0220	0	N
20230603 0230	0.3	-
20230603_0240 20230603_0250	0.3	SSE S
20230603_0230	0.6 0.8	SSE
20230603_0310	0.8	N
20230603_0320	0.3	-
20230603 0330	0.3	SE
20230603_0340	0.3	-
20230603_0350	0.3	-
20230603 0400	0.3	S
20230603_0410	0	N
20230603_0420	0	N
20230603 0430 20230603 0440	0	N N
20230603_0440	0	N
20230603_0450	0.3	S
20230603 0510	0.3	SSE
20230603_0520	0	N
20230603 0530	0.3	S
20230603_0540	0.3	SSE
20230603_0550	0.3	-
20230603 0600	0.3	NE
20230603_0610 20230603_0620	0.3	- N
20230603_0620 20230603_0630	0.3	S
20230603_0640	0.3	3
20230603 0650	0.3	S
20230603 0700	0.8	SSE
20230603_0710	0.3	SSE
20230603_0720	0.6	S
20230603 0730	0	N
20230603_0740	0	N
20230603_0750	0.3	S
20230603 0800 20230603 0810	0.3	W S
20230603_0810	0.3	S
20230603_0820	0.0	- -
20230603_0840	2.2	N
20230603_0850	1.7	NNW
20230603_0900	3.3	N
20230603_0910	3.1	N
20230603_0920	3.3	N
20230603_0930	2.8	N
20230603_0940 20230603_0950	2.5	N
20230603_0950 20230603_1000	2.5	N S
20230603_1000	3.1	ESE
20230603 1010	2.5	E
20230603 1030	2.8	Ē
20230603 1040	2.8	E
20230603_1050	2.5	ESE
20230603_1100	3.1	ESE
20230603 1110	3.1	ESE
20230603_1120	3.1	ESE
20230603_1130	3.1	ESE
20230603 1140	2.5 3.1	ESE
20230603_1150	2.1	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230603 1200	2.2	-
20230603 1210	2.5	SE
20230603_1220	1.4	S
20230603_1230	1.7	S
20230603_1240	2.8	-
20230603_1240	2.8	ENE
20230003_1230		
20230603_1300	1.4	ESE
20230603_1310	1.4	N
20230603_1320	1.7	ENE
20230603_1330	0.8	NNW
20230603_1340	1.4	-
20230603_1350	1.7	S
20230603 1400	1.1	SW
20230603 1410	0.8	SSW
20230603 1420	1.4	N
20230603 1430	2.2	NNW
20230603 1440	17	NNW
20230603 1450	1.7	NW
20230603 1500	1.9	NNW
20230603 1500	2.2	NNW
20230603_1520	1.7	NW
20230603 1530	2.8	N
20230603_1540	1.7	N
20230603_1550	2.8	NNE
20230603 1600	1.7	N
20230603_1610	1.4	NNW
20230603_1620	1.7	N
20230603 1630	1.7	NNE
20230603 1640	2.5	NE
20230603 1650	1.1	NNE
20230603 1700	1.4	E
20230603 1710	2.5	ESE
20230603 1720	2.5	E
20230603 1730	2.5	Ē
20230603 1750	2.8	Ē
20230603 1750	2.8	E
20230603_1750	2.5	E
20230603_1810	3.1	ESE
20230603_1820	2.5	E
20230603 1830	3.1	<u> </u>
20230603_1840	2.8	ESE
20230603_1850	2.5 2.2	E
20230603 1900	2.2	ESE
20230603_1910	2.8	ESE
20230603_1920	2.8	ESE
20230603 1930	2.8	ESE
20230603 1940	2.5	SE
20230603 1950	2.8	ESE
20230603 2000	2.2	ESE
20230603_2010	1.9	ESE
20230603 2020	1.4	SE
20230603 2030	2.2	SE
20230603_2040	2.2	SE
20230603 2050		SE
20230603_2000	1.7	SE
20230603_2110	1.4	SE
20230603_2120	1.7	SE
20230603_2130	1.4	ESE
20230603_2140	1.1	ESE
20230603_2150	0.8	-
20230603_2200	1.4	ESE
20230603 2210	1.7	E
20230603_2220	2.2	ESE
20230603_2230	2.2	ESE
20230603 2240	1.7	ESE
20230603_2250	1.7	ESE
20230603_2300	1.7	SE
20230603 2310	2.2	ESE
20230603_2320	2.2	ESE
20230603_2320 20230603_2330 20230603_2340	1.7	ESE
20230603_2340		
20230003 2340	2.5	ESE
20230603_2350	2.5	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230604_0000	1.9	ESE
20230604 0010	1.7	SE
20230604_0020	1.7	ESE
20230604_0030	1.7	ESE
20230604_0040	1.7	ESE
20230604_0050	1.7	SE
20230604_0100	1.1	E
20230604_0110 20230604_0120	1.4	E
20230604_0120	1.4	E
20230604_0150	1.4	E
20230604_0150	1.4	ESE
20230604 0200	1.4	SE
20230604_0210	0.8	SE
20230604_0220	0.8	SE
20230604 0230	1.1	ESE
20230604_0240	0.6	SE
20230604_0250 20230604_0300	0	N N
20230604 0300 20230604_0310	0	N
20230604_0320	0.3	SSW
20230604 0330	0.6	SSE
20230604_0340	1.1	SE
20230604_0350	1.4	SE
20230604 0400	1.7	ESE
20230604_0410	0.8	SE
20230604_0420	0.3	WNW
20230604 0430	0.3	WNW
20230604_0440 20230604_0450	0.3	W
20230604_0430	0.5	N
20230604_0510	0	N
20230604_0520	0	N
20230604 0530	0	N
20230604_0540	0	N
20230604_0550	0.3	N
20230604 0600	0	N
20230604_0610	0	N
20230604_0620	0	N
20230604 0630 20230604 0640	0.3	SW N
20230604_0640 20230604_0650	0	N
20230604_0000	0	N
20230604_0710	0	N
20230604_0720	0	N
20230604 0730	0.3	N
20230604_0740	0.3	NW
20230604_0750	0.3	NE
20230604 0800	0.3	NW
20230604_0810	0.3	NNE
20230604_0820 20230604_0830	0.3	N WNW
20230604_0850	0.8	N
20230604 0850	1.4	NNE
20230604_0900	0.8	NNE
20230604_0910	1.1	N
20230604 0920	1.4	NNW
20230604_0930	1.1	NW
20230604_0940	0.8	SSW
20230604_0950	1.4	-
20230604_1000	2.2 2.2	ESE
20230604 1010 20230604 1020	2.2	N
20230604_1020	2.8	ESE
20230604_1040	3.3	ESE
20230604 1050	3.1	ESE
20230604_1100	3.1	ESE
20230604 1110	3.3	ESE
20230604 1120	3.3	SE
20230604_1130	3.3	SE
20230604 1140	3.3	ESE
20230604_1150	3.3	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230604 1200	3.3	ESE
20230604_1210	3.3	E
20230604_1220	3.3	ESE
20230604_1230	3.3	ESE
20230604 1240	3.3	ESE
20230604 1250	3.3	ESE
20230604 1300	3.3	ESE
20230604 1310	3.1	ESE
20230604_1320	3.3	ESE
20230604_1330	2.8	E
20230604_1340	3.1	ESE
20230604_1350	2.5	E
20230604 1400	2.8	Е
20230604 1410	3.1	Ē
20230604 1420	3.3	
		ESE
20230604 1430	2.8	ESE
20230604_1440	3.3	E
20230604_1450	2.8	E
20230604 1500	3.3	E
20230604_1510	3.3	Ē
20230604_1510	3.3	ESE
20230604 1530	3.3	E
20230604_1540	2.8	E
20230604_1550	3.3	E
20230604 1600	2.8 2.8	E
20230604_1610	2.8	Ē
20230604_1620	3.1	Ē
20230604 1630	3.3	E
20230604 1640	3.3	E
20230604_1650	2.8	E
20230604 1700	3.3	E
20230604 1710	3.3	E
20230604_1710 20230604_1720 20230604_1730 20230604_1740	3.3	E
20230604 1730	3.3	Е
20230604 1740	3.3	Ē
20230604_1750	3.1	
		E
20230604 1800	1.4	ESE
20230604_1810	2.2	ESE
20230604_1820	2.2	ESE
20230604 1830	2.8	ESE
20230604 1840	2.5	ESE
20230604_1850	2.2	ESE
20230604 1900	2.5	ESE
20230004 1900	2.3	
20230604_1910		ESE
20230604_1920	2.5	SE
20230604 1930	2.2	SE
20230604 1940	2.5	SE
20230604 1950	2.5	SE
20230604 2000	2.8	SE
20230604 2010	2.8	SE
20230604 2020	2.8	SE
20230604_2030	2.2	SE
20230604_2040	2.2	ESE
20230604_2050	2.2	ESE
20230604 2100	2.2	ESE
20230604 2110	2.2	ESE
20230604 2120	2.2	SE
20230604_2120	2.2	ESE
20230604_2140	2.2	ESE
20230604_2150	1.7	SE
20230604_2200	1.4	SE
20230604 2210	0.8	SE
20230604 2220	1.4	SE
20230604 2230	1.1	SE
		0E
20230604 2240	0.6	-
20230604_2250	0.3	SE
20230604_2300	0.6	SSE
20230604 2310	0.8	SSE
20230604 2320	0.8	SSE
20230604_2330	0.8	SE
20230604 2340	0.3	ESE
20230604 2350	0	N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230605_0000	0.6	S
20230605_0010	1.1	SSE
20230605_0020	1.9	SSE
20230605_0030	2.2	SSE
20230605_0040	1.7	SSE
20230605_0050 20230605_0100	1.9 2.2	SSE
20230605_0100	0.8	SSE S
20230605_0110	0.8	3
20230605_0120	1.1	SSE
20230605 0140	0.8	SSE
20230605 0150	1.1	SSE
20230605 0200	0.8	SSE
20230605_0210	0.8	SSE
20230605_0220	0.8	SSE
20230605 0230	1.4	SE
20230605_0240	1.1	ESE SE
20230605_0250 20230605_0300	0.8	SE
20230605_0300 20230605_0310	1.1 0.3	E SE
20230605_0310	0.5	SE
20230605_0320	1.1	SE
20230605 0350	0.3	ESE
20230605_0350	0.3	E
20230605 0400	0.8	E
20230605_0410	0.3	ESE
20230605_0420	0	N
20230605 0430	0.3	ESE
20230605_0440	1.4	SE
20230605_0450	1.4	SE
20230605 0500 20230605 0510	1.7	SE SE
20230605_0520	1.7	SSE
20230605_0520	0.8	SE
20230605_0540	1.4	SSE
20230605_0550	1.7	SE
20230605 0600	1.4	SE
20230605_0610	1.4	ESE
20230605_0620	1.1	E
20230605 0630	1.7	ESE
20230605_0640	1.7	ESE
20230605_0650	1.9 1.7	ESE
20230605 0700 20230605 0710	1.7	ESE
20230605_0710	1.7	ENE
20230605_0730	1.4	E
20230605 0740	1.1	ESE
20230605_0750	1.4	ESE
20230605 0800	1.7	ESE
20230605_0810	2.5	ESE
20230605_0820	2.2	E
20230605_0830	2.5	E
20230605_0840 20230605_0850	2.8 2.8	ENE ENE
20230605_0850	2.8	ENE
20230605_0900	2.5	E
20230605_0910	3.1	E
20230605_0930	3.1	Ē
20230605_0940	3.1	ESE
20230605_0950	3.3	E
20230605_1000	3.3	E
20230605 1010	3.3	ESE
20230605_1020	3.1 2.8	ESE
20230605_1030 20230605_1040	2.8	ESE
20230605 1040	3.3	E
20230605 1100	3.3	ENE
20230605_1100		E
20230605 1110	5.5	
	3.3 3.3	
20230605_1130	3.3 3.3	Ë ESE
	3.3	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230605_1200	3.1	ENE
20230605_1210	2.5	E
20230605_1220	2.5	ENE
20230605 1230	3.1	E
20230605_1240	2.8	Ē
20230605_1250	2.8	Ē
20230605 1300	3.3	E
20230605_1310	2.5	ESE
20230605_1320	2.2	E
20230605_1330	2.8	ESE
20230605_1340	2.5	E
20230605_1350	2.5	E
20230605 1400	2.8 3.3	E
20230605_1410		E
20230605_1420	2.8	E
20230605 1430	3.6	Е
20230605_1440	3.3	E
20230605_1450	3.3	E
20230605 1500	3.3	E
20230605 1510	3.3	E
20230605 1520	3.9	E
20230605 1530	3.9	Е
20230605 1540	3.9	E
20230605_1550	3.9	Ē
20230605 1600	3.6	E
20230605_1610	3.3	E
20230605_1610	3.1	E
	2.5	ESE
20230605 1630 20230605 1640	2.5	ESE
	2.2	E
20230605_1650		
20230605 1700	3.3	E
20230605_1710	3.3	E
20230605_1720	3.3	E
20230605 1730	3.3	E
20230605_1740	3.1	ESE
20230605_1750	3.1	E
20230605 1800	2.8	ESE
20230605 1810	2.5	ESE
20230605 1820	1.7	E
20230605 1830	1.9	E
20230605 1840	1.7	Е
20230605 1850	1.7	Ē
20230605 1900	1.9	Ē
20230605 1910	1.7	ENE
20230605 1920	1.7	E
20230605 1930	1.7	E
	1.9	
20230605_1940		ESE
20230605_1950	1.1	ESE
20230605 2000	1.4	SE
20230605_2010	1.4	ESE
20230605_2020	1.4	SSE
20230605_2030	1.1	SE
20230605_2040	1.1	SE
20230605_2050	1.1	SE
20230605_2100	1.4	SE
20230605_2110	1.7	SE
20230605_2120	2.2	SE
20230605_2130	1.7	SE
20230605 2140	1.7	SE
20230605_2150	1.1	ESE
20230605 2200	1.7	SE
20230605_2200	1.7	SE
20230605 2220	1.4	ESE
20230605 2230	1.4	ESE
20230605 2240	0.8	ENE
20230605_2250	0.8	ESE
20230605_2300	0.8	SSE
20230605 2310	1.4	ESE
20230605_2320	0.8	SE
20230605_2330	1.1	SE
20230605 2340	1.1	SE
20230605_2350	1.1	SSE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230606_0000	1.4	SE
20230606_0010	1.1	SE
20230606_0010 20230606_0020	1.1	E
20230606_0030	1.4	Е
20230606_0040	1.4	E
20230606_0050	1.4	E
20230606_0100	1.4	E
20230606_0110	1.4	E
20230606_0120	0.8	E
20230606_0130	1.1	E
20230606_0140 20230606_0150	1.1	E ESE
20230606_0130	1.1	ESE
20230606_0200	1.1	SE
20230606_0220	1.1	SE
20230606 0230	0.8	SE
20230606_0240	0.3	-
20230606_0250	0.3	-
20230606 0300	1.1	SE
20230606_0310	1.1	SE
20230606 0320	0.8	ESE
20230606 0330	0.3	ESE
20230606_0340	0.8	ESE
20230606_0350	0.8	E
20230606 0400	0.8	E
20230606_0410 20230606_0420	0.8 0.6	ESE ESE
20230606_0420	0.8	ESE
20230606_0440	1.1	ESE
20230606_0450	1.1	E
20230606 0500	1.1	Ē
20230606_0510	0.8	ESE
20230606_0520	1.4	SE
20230606 0530	1.1	ESE
20230606_0540	2.2	SE
20230606_0550	1.7	SE
20230606 0600	2.2	SE
20230606_0610	1.7	SSE SE
20230606_0620 20230606_0630	1.7	
20230606 0630 20230606 0640	1.4	SSE ESE
20230606_0640	2.2	ESE
20230606 0700	2.5	SE
20230606 0710	2.5	E
20230606 0720	2.5	ESE
20230606 0730	2.5	ESE
20230606_0740	2.8	ESE
20230606_0750	2.5	ESE
20230606 0800	2.5	E
20230606_0810	2.2	ESE
20230606_0820 20230606_0830	1.9 2.5	E
20230606_0830 20230606_0840	2.5	E
20230606_0840	2.5	E
20230606_0900	2.8	E
20230606_0900	3.3	E
20230606_0920	3.3	E
20230606_0930	2.5	Ē
20230606_0940	2.5	ESE
20230606_0950	2.8	ESE
20230606_1000	2.8	ESE
20230606 1010	2.8	ESE
20230606_1020	2.8	ESE
20230606_1030	2.2	ENE
20230606 1040 20230606 1050	2.5 2.5	E SE
20230606_1050 20230606_1100	2.5	ESE
20230606_1100	1.9	ENE
20230606_1120	2.2	E
20230606_1120	2.2	SE
20230606 1140	2.8	ENE
20230606_1150	2.5	Е

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230606_1200	2.5	Е
20230606_1210	2.5	ESE
20230606_1220	2.2	E
20230606_1230	2.5	ESE
20230606 1240	2.5	ESE
20230606 1250	2.2	ESE
	1.7	
		SE
20230606_1310	2.5	ESE
20230606_1320	2.8	Е
20230606_1330	3.1	ESE
20230606_1340	2.8	E
20230606 1350	3.1	E
20230606 1400	3.3	ESE
20230606 1410	3.3	ESE
20230606_1420	3.3	E
20230606 1430	3.3	E
20230606_1440	3.3	E
20230606_1450	3.6	E
20230606 1500	3.9	E
20230606_1510	3.3	E
20230606 1520	3.9	Е
20230606 1530	2.5	ESE
20230606_1540	3.1	ESE
20230606 1550	3.3	E
20230606_1550		E
	3.1	
20230606_1610	3.3	E
20230606_1620	3.3	ESE
20230606 1630	3.3	E
20230606_1640	3.3	E
20230606_1650	3.3	E
20230606 1700	3.1	E
20230606_1710	3.3	E
	2.8	E
20230606_1720	2.0	
20230606 1730	2.8 2.8	ESE
20230606_1740		ESE
20230606_1750	3.3	ESE
20230606 1800	3.3	ESE
20230606 1810	3.1	Е
20230606 1820	3.3	ESE
20230606 1830	3.1	ESE
	2.5	ESE
20230606_1840		
20230606_1850	3.1	ESE
20230606 1900	2.8	ESE
20230606_1910	2.8	SE
20230606_1920	2.8	ESE
20230606 1930	2.8	SE
20230606 1940	3.3	SE
20230606_1950	3.1	SE
20230000_1750	2.5	
20230606 2000		ESE
20230606_2010	2.5	ESE
20230606_2020	2.2	ESE
20230606 2030	2.2	ESE
20230606 2040	1.9	ESE
20230606_2050	2.5	SE
20230606_2100	2.8	SE
20230606_2110	2.2	SE
20230606_2120	2.5	SE
	2.5	
		SE
20230606_2140	3.1	SE
20230606_2150	2.5	SE
20230606_2200	2.5	SE
20230606 2210	2.2	SE
20230606 2220	2.2	SE
20230606 2230	2.5	SE
20230606 2240	2.8	SE
20230606_2250	3.1	SE
20230606_2300	2.5	SE
20230606 2310	2.5	SE
20230606 2320	2.5	SE
20230606 2330	3.3	ESE
20230606 2340	2.5	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230607_0000	2.5	ESE
20220607_0010		SE
20230607_0020	2.2 1.7	SE SE
20230607 0030	2.5	ESE ESE
20230607_0040		ESE
	2.2	ESE
20230607_0100	2.2	ESE
20230607_0110	1.7	ESE
20230607_0120 20230607_0130	1.7	SE
20230607_0130 20230607_0140	1.7 1.7	SE SE
20230607_0140	1.7	SSE
20230607_0100	1.7	SSE
20230607_0210	1.1	SE
20230607 0220	0.8	S
20230607 0230	1.1	ESE
20230607 0240	0.8	E
20230607_0250	0.8	E
20230607 0300	1.4	E
20230607_0310	1.4	ENE
20230607_0320	1.4	E
20230607 0330	1.1	ESE
20230607_0340	1.4	ESE
20230607_0350 20230607_0400	1.7	SE SE
20230607 0400 20230607 0410	1.1 1.4	<u>SE</u>
20230607_0410 20230607_0420	0.8	ESE ESE
20220607_0420	0.8	E
20230607_0440	11	ESE
20230607 0450	0.3	E
20230607 0500	0.6	SE
20230607_0510	0.8	ESE
20230607_0520	1.1	ESE
20230607 0530	1.7	E
20230607_0540	0.8	SSE
20230607_0550	0.6	SSE
20230607 0600	1.1	NE
20230607_0610	1.1	ENE
20230607_0620	0.3	ENE
20230607 0630 20230607_0640	1.1 0.3	SE SE
20230607_0640	0.5	SE
20230607_0000	0.8	ESE
20230607_0700	1.4	ESE
20230607_0720	1.4	ESE
20230607 0730	1.1	SE
20230607_0740	0.8	SE
20230607_0750	1.1	SE
20230607 0800	1.1	SE
20230607_0810	1.1	SE
20230607_0820	0.8	NE
20230607_0830	1.1	E
20230607_0840	1.7	E
20230607_0850	2.2	ESE
20230607_0900	2.5	E
20230607_0910 20230607_0920	3.1 2.5	E
20230607_0920	2.5	ESE
20230607_0930	2.5	E
20230607_0940	2.8	E
20230607_0950	1.7	ESE
20230607_1010	2.2	ESE
20230607 1010	2.2	ESE
20230607_1030	2.2	E
20230607 1040	2.5	ESE
20230607_1050	2.5	E
20230607_1100	2.8	E
20230607 1110	2.8	E
20230607_1120	3.3	E
20230607_1130	2.5	E
20230607_1130 20230607_1140 20230607_1150		

20230607 $1200$ $2.8$ $E$ $20230607$ $1220$ $3.1$ $ESE$ $20230607$ $1230$ $2.8$ $E$ $20230607$ $1240$ $2.2$ $ESE$ $20230607$ $1240$ $2.2$ $ESE$ $20230607$ $1310$ $2.5$ $E$ $20230607$ $1330$ $2.2$ $E$ $20230607$ $1350$ $2.5$ $E$ $20230607$ $1350$ $2.5$ $E$ $20230607$ $1400$ $2.8$ $ESE$ $20230607$ $1400$ $2.8$ $ESE$ $20230607$ $1500$ $1.7$ $ESE$ $20230607$ $1500$	Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230607_1200	2.8	E
20230607         1230         2.8         E           20230607         1250         2.2         ESE           20230607         1300         2.8         ENE           20230607         1300         2.5         E           20230607         130         2.5         E           20230607         1300         2.5         E           20230607         1400         2.8         E           20230607         1400         2.8         E           20230607         140         2.8         E           20230607         140         2.8         E           20230607         1500         1.7         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         160         1.7         ESE           20230607         160         3.3         E </td <td>20230607 1210</td> <td>2.8</td> <td>E</td>	20230607 1210	2.8	E
20230607         1230         2.8         E           20230607         1250         2.2         ESE           20230607         1300         2.8         ENE           20230607         1300         2.5         E           20230607         1300         2.5         E           20230607         1300         2.5         E           20230607         1400         2.8         E           20230607         1400         2.8         E           20230607         1410         2.8         E           20230607         140         2.8         E           20230607         1500         1.7         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE	20230607 1220	3.1	ESE
20230607         1240         2.2         ESE           20230607         1300         2.8         ENE           20230607         1300         2.8         ENE           20230607         1300         2.2         E           20230607         1330         2.5         E           20230607         1400         2.8         E           20230607         1410         2.8         E           20230607         1400         2.8         E           20230607         1420         3.1         ESE           20230607         1420         3.1         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1530         0.6         SSW           20230607         1530         1.1         ESE           20230607         1610         1.7         ESE           20230607         1620         1.7         ESE           20230607         1620         1.7         ESE           20230607         1620         1.7         ESE           20230607         1620         1.7         ES	20230607 1230		
20230607 1300         2.8         ENE           20230607 1310         2.5         E           20230607 1320         2.2         E           20230607 1330         2.5         E           20230607 1340         2.5         E           20230607 1400         2.8         E           20230607 1400         2.8         E           20230607 1400         2.8         E           20230607 1400         2.8         E           20230607 1430         2.8         E           20230607 1430         2.8         E           20230607 1500         1.7         ESE           20230607 1510         1.7         ESE           20230607 1510         1.7         ESE           20230607 1500         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1630         1.7         ESE           20230607 1630         1.7         ESE           20230607 1630         1.7         ESE           20230607 1630         1.7         ESE           20230607 1700	20230607_1250	2.0	
20230607         1300         2.8         ENE           20230607         1320         2.2         E           20230607         1330         2.5         E           20230607         1330         2.5         E           20230607         1400         2.8         E           20230607         1410         2.8         E           20230607         1410         2.8         E           20230607         1400         2.8         E           20230607         1410         2.8         E           20230607         1400         2.8         E           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1530         0.6         SSW           20230607         1530         1.7         ESE           20230607         1630         1.7         ESE	20230607_1240		
20230607         1310         2.5         E           20230607         1320         2.2         E           20230607         1340         2.5         E           20230607         1340         2.5         E           20230607         1400         2.8         E           20230607         1400         2.8         ESE           20230607         1430         2.8         ESE           20230607         1430         2.8         E           20230607         1450         2.2         ESE           20230607         150         1.7         ESE           20230607         150         1.7         ESE           20230607         150         1.7         ESE           20230607         150         1.7         ESE           20230607         160         2.5         ESE           20230607         160         2.5         ESE     <			
20230607         1320         2.2         E           20230607         1340         2.5         E           20230607         1350         2.5         E           20230607         1400         2.8         E           20230607         1410         2.8         ESE           20230607         1430         2.8         ESE           20230607         1430         2.8         E           20230607         1400         2.8         E           20230607         1500         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1700         3.3         E           20230607         1700         3.3         E           20230607         1700         3.3         ESE <td>20230607_1300</td> <td></td> <td></td>	20230607_1300		
20230607         1330         2.5         E           20230607         1350         2.5         E           20230607         1400         2.8         E           20230607         1400         2.8         ESE           20230607         1420         3.1         ESE           20230607         1420         3.1         ESE           20230607         1430         2.8         ESE           20230607         1450         2.2         ESE           20230607         1510         1.7         ESE           20230607         1530         0.6         SSW           20230607         1530         0.6         SSW           20230607         1530         1.7         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         3.3         E           20230607         1700         3.3         E           20230607         1700         2.8         E	20230607_1310		
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20230607 1400         2.8         E           20230607 1410         2.8         ESE           20230607 1410         2.8         ESE           20230607 1420         3.1         ESE           20230607 1430         2.8         ESE           20230607 1430         2.8         E           20230607 1500         1.7         ESE           20230607 1500         1.7         ESE           20230607 1500         1.7         ESE           20230607 1530         0.6         SSW           20230607 1530         1.1         ESE           20230607 1550         1.7         ESE           20230607 1610         1.7         ESE           20230607 1620         1.7         ESE           20230607 1630         1.7         ESE           20230607 1630         1.7         ESE           20230607 1700         3.3         E           20230607 1700         3.3         E           20230607 1700         3.3         ESE           20230607 1700         2.8         ESE           20230607 1730         2.8         ESE           20230607 1800         2.2         ESE           202306	20230607 1340	2.5	E
20230607         1400         2.8         ESE           20230607         1420         3.1         ESE           20230607         1430         2.8         ESE           20230607         1430         2.8         E           20230607         1450         2.2         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         1630         1.7         ESE           20230607         1700         3.3         ESE           20230607         1700         2.8         ESE           20230607         1740         3.3	20230607 1350	2.5	E
20230607         1410         2.8         ESE           20230607         1430         2.8         ESE           20230607         1440         2.8         E           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1520         1.1         ESE           20230607         1530         0.6         SSW           20230607         1530         1.7         ESE           20230607         1610         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1640         2.5         ESE           20230607         1700         3.3         E           20230607         1710         3.3         ESE           20230607         1730         2.8         ESE           20230607         1730         2.5         ESE           20230607         1810         2.5			
20230607         1420         3.1         ESE           20230607         1440         2.8         EE           20230607         1450         2.2         ESE           20230607         150         1.7         ESE           20230607         1510         1.7         ESE           20230607         1520         1.1         ESE           20230607         1530         0.6         SSW           20230607         1540         1.1         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         3.3         E           20230607         1700         3.3         E           20230607         1710         3.3         ESE           20230607         1740         3.3         ESE           20230607         1800         2.2         ESE           20230607         1800         2.5         ESE           20230607         1800         1.1 <t< td=""><td></td><td>2.0</td><td></td></t<>		2.0	
20230607         1430         2.8         ESE           20230607         1450         2.2         ESE           20230607         1500         1.7         ESE           20230607         1500         1.7         ESE           20230607         1520         1.1         ESE           20230607         1530         0.6         SSW           20230607         1530         1.7         ESE           20230607         1500         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1700         3.3         E           20230607         1700         3.3         ESE           20230607         1730         2.8         ESE           20230607         1730         2.8         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5	20220607_1410		ESE
20230607         1440         2.8         E           20230607         1500         1.7         ESE           20230607         1510         1.7         ESE           20230607         1510         1.7         ESE           20230607         1530         0.6         SSW           20230607         1530         0.6         SSW           20230607         1550         1.7         ESE           20230607         1600         1.7         ESE           20230607         1620         1.7         ESE           20230607         1620         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         3.3         E           20230607         1630         3.3         E           20230607         1710         3.3         E           20230607         1730         2.8         ESE           20230607         1730         2.5         ESE           20230607         1800         2.5         ESE           20230607         1800         2.5         ESE           20230607         1830         1.1	20230607_1420		ESE
20230607         1450         2.2         ESE           20230607         1500         1.7         ESE           20230607         1520         1.1         ESE           20230607         1520         1.1         ESE           20230607         1530         0.6         SSW           20230607         1530         1.7         ESE           20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1640         2.5         ESE           20230607         1700         3.3         E           20230607         1710         3.3         ESE           20230607         1700         2.8         ESE           20230607         1740         3.3         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         1.7			
20230607         ISO0         1.7         ESE           20230607         ISO         1.7         ESE           20230607         ISO         0.6         SSW           20230607         ISO         0.6         SSW           20230607         ISO         0.6         SSW           20230607         ISO         1.1         SE           20230607         ISO         1.7         ESE           20230607         IGO         1.7         ESE           20230607         IGO         1.7         ESE           20230607         IGO         1.7         ESE           20230607         IGO         3.3         E           20230607         ITO         3.3         ESE           20230607         ITO         3.3         ESE           20230607         ITO         3.3         ESE           20230607         ITSO         2.8         ESE           20230607         ITSO         2.5         ESE           20230607         ISO         2.5         ESE           20230607         ISO         0.3         SE           20230607         ISO         0.3         SE	20230607_1440		
20230607 1510         1.7         ESE           20230607 1530         0.6         SSW           20230607 1530         0.6         SSW           20230607 1530         1.1         ESE           20230607 1500         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1630         1.7         ESE           20230607 1640         2.5         ESE           20230607 1700         3.3         E           20230607 1710         3.3         E           20230607 1720         2.8         ESE           20230607 1730         2.8         ESE           20230607 1740         3.3         ESE           20230607 1800         2.2         ESE           20230607 1800         2.2         ESE           20230607 1800         2.5         ESE           20230607 1800         1.1         NNE           20230607 1800         1.1         NNE           20230607 1800         1.7         SE           20230607 1900         1.7         SE           20230	20230607_1450		ESE
20230607 1510         1.7         ESE           20230607 1530         0.6         SSW           20230607 1530         0.6         SSW           20230607 1530         1.1         ESE           20230607 1500         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1600         1.7         ESE           20230607 1630         1.7         ESE           20230607 1640         2.5         ESE           20230607 1700         3.3         E           20230607 1710         3.3         E           20230607 1720         2.8         ESE           20230607 1730         2.8         ESE           20230607 1740         3.3         ESE           20230607 1800         2.2         ESE           20230607 1800         2.2         ESE           20230607 1800         2.5         ESE           20230607 1800         1.1         NNE           20230607 1800         1.1         NNE           20230607 1800         1.7         SE           20230607 1900         1.7         SE           20230	20230607 1500	1.7	ESE
20230607         1520         1.1         ESE           20230607         1530         0.6         SSW           20230607         1550         1.7         ESE           20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1640         2.5         ESE           20230607         1700         3.3         E           20230607         1700         3.3         ESE           20230607         1700         2.8         ESE           20230607         1700         2.8         ESE           20230607         1700         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         0.8         N           20230607         1900         1.7			ESE
20230607         1530         0.6         SSW           20230607         1540         1.1         SE           20230607         1500         1.7         ESE           20230607         1600         1.7         ESE           20230607         1600         1.7         ESE           20230607         1620         1.7         ESE           20230607         1620         1.7         ESE           20230607         1640         2.5         ESE           20230607         170         3.3         E           20230607         1710         3.3         E           20230607         1720         2.8         ESE           20230607         1730         2.8         ESE           20230607         1740         3.3         ESE           20230607         1800         2.2         ESE           20230607         1800         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1910         0.8 <t< td=""><td></td><td></td><td>ESE</td></t<>			ESE
20230607         1540         1.1         SE           20230607         1500         1.7         ESE           20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         E           20230607         1630         1.7         ESE           20230607         1650         3.3         E           20230607         1700         3.3         ESE           20230607         1700         2.8         ESE           20230607         1700         2.8         ESE           20230607         1700         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1900         1.7         SE           20230607         1900         1.7 <t< td=""><td></td><td></td><td></td></t<>			
20230607         1550         1.7         ESE           20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1620         1.7         E           20230607         1620         1.7         E           20230607         1640         2.5         ESE           20230607         1630         3.3         E           20230607         1710         3.3         E           20230607         1710         2.8         ESE           20230607         1730         2.8         ESE           20230607         1740         3.3         ESE           20230607         1800         2.2         ESE           20230607         1800         2.2         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         1.7         SE           20230607         1930         1.7         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ES			
20230607         1600         1.7         ESE           20230607         1610         1.7         ESE           20230607         1630         1.7         E           20230607         1630         1.7         ESE           20230607         1630         1.7         ESE           20230607         1630         3.3         E           20230607         1710         3.3         E           20230607         1710         3.3         E           20230607         1720         2.8         ESE           20230607         1700         2.8         ESE           20230607         1740         3.3         ESE           20230607         1800         2.2         ESE           20230607         1800         2.2         ESE           20230607         1800         2.5         ESE           20230607         1800         0.8         s           20230607         1800         0.8         s           20230607         1900         1.7         SE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE </td <td></td> <td></td> <td></td>			
20230607         1610         1.7         ESE           20230607         1630         1.7         E           20230607         1640         2.5         ESE           20230607         1640         2.5         ESE           20230607         1650         3.3         E           20230607         1700         3.3         E           20230607         1700         3.3         ESE           20230607         1720         2.8         ESE           20230607         1730         2.8         ESE           20230607         1750         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1930         1.7         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7 <td< td=""><td></td><td></td><td></td></td<>			
20230607         1610         1.7         ESE           20230607         1630         1.7         E           20230607         1630         1.7         ESE           20230607         1640         2.5         ESE           20230607         1650         3.3         E           20230607         1700         3.3         E           20230607         1700         3.3         ESE           20230607         1700         2.8         ESE           20230607         1730         2.8         ESE           20230607         1750         2.5         ESE           20230607         180         2.2         ESE           20230607         180         2.2         ESE           20230607         180         2.2         ESE           20230607         180         1.1         NNE           20230607         180         1.1         NNE           20230607         180         0.3         SSE           20230607         1900         1.7         SE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE </td <td>20230607 1600</td> <td></td> <td></td>	20230607 1600		
20230607         I620         1.7         E           20230607         I630         1.7         ESE           20230607         I640         2.5         ESE           20230607         I650         3.3         E           20230607         I700         3.3         E           20230607         I710         3.3         E           20230607         I710         2.8         ESE           20230607         I720         2.8         ESE           20230607         I740         3.3         ESE           20230607         I800         2.2         ESE           20230607         1810         2.5         ESE           20230607         I800         2.2         ESE           20230607         I830         1.1         NNE           20230607         I830         0.3         SSE           20230607         I910         0.8         N           20230607         1910         0.8         N           20230607         1910         0.8         SE           20230607         1910         0.8         N           20230607         1910         1.7         ESE <td>20230607_1610</td> <td></td> <td>ESE</td>	20230607_1610		ESE
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20230607         I640         2.5         ESE           20230607         1550         3.3         E           20230607         1700         3.3         E           20230607         1710         3.3         ESE           20230607         1710         2.8         ESE           20230607         1730         2.8         ESE           20230607         1730         2.8         ESE           20230607         1750         2.5         ESE           20230607         1800         2.2         ESE           20230607         1800         2.5         ESE           20230607         1820         1.4         ENE           20230607         1830         1.1         NNE           20230607         1850         0.3         SE           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         2000         2.2			
20230607         1650         3.3         E           20230607         1700         3.3         E           20230607         1710         3.3         ESE           20230607         1720         2.8         ESE           20230607         1720         2.8         ESE           20230607         1700         2.8         ESE           20230607         1700         2.8         ESE           20230607         1700         2.5         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         0.3         SE           20230607         1900         1.7         SE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE           20230607         2000         2.2         ESE           20230607         2000         1.1 <t< td=""><td>20230607 1640</td><td></td><td>ESE</td></t<>	20230607 1640		ESE
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20230607         1710         3.3         ESE           20230607         1720         2.8         ESE           20230607         1730         2.8         ESE           20230607         1740         3.3         ESE           20230607         1740         3.3         ESE           20230607         1800         2.2         ESE           20230607         1800         2.2         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         0.3         SE           20230607         1850         0.3         SE           20230607         1920         0.8         N           20230607         1920         0.8         N           20230607         1920         1.7         ESE           20230607         1920         1.7         ESE           20230607         1920         1.7         ESE           20230607         1920         1.1         E           20230607         2000         2.2         ESE           20230607         2000         1.1			
20230607         1720         2.8         ESE           20230607         1730         2.8         ESE           20230607         1740         3.3         ESE           20230607         1750         2.5         ESE           20230607         1800         2.2         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1820         1.4         ENE           20230607         1830         1.1         NNE           20230607         1840         0.8         -           20230607         1900         1.7         SE           20230607         1900         1.7         ESE           20230607         1900         1.7         ESE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         2010         1.9         E           20230607         2020         1.1 <td< td=""><td>20230607 1700</td><td></td><td></td></td<>	20230607 1700		
20230607         1730         2.8         ESE           20230607         1740         3.3         ESE           20230607         1750         2.5         ESE           20230607         1800         2.2         ESE           20230607         1800         2.2         ESE           20230607         1800         2.2         ESE           20230607         1820         1.4         ENE           20230607         1820         1.4         ENE           20230607         1850         0.3         SSE           20230607         1850         0.3         SSE           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.17         ESE           20230607         1920         1.7         ESE           20230607         1920         1.7         ESE           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.1 <td< td=""><td></td><td></td><td></td></td<>			
20230607         1740         3.3         ESE           20230607         1500         2.5         ESE           20230607         1800         2.2         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         0.3         SE           20230607         1850         0.3         SE           20230607         1900         1.7         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         1.7         ESE           20230607         2000         2.2         ESE           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.1         E </td <td>20230607_1720</td> <td>2.8</td> <td></td>	20230607_1720	2.8	
20230607         1740         3.3         ESE           20230607         1500         2.5         ESE           20230607         1800         2.2         ESE           20230607         1810         2.5         ESE           20230607         1810         2.5         ESE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         0.3         SE           20230607         1850         0.3         SE           20230607         1900         1.7         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         1.7         ESE           20230607         2000         2.2         ESE           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.1         E </td <td>20230607 1730</td> <td>2.8</td> <td>ESE</td>	20230607 1730	2.8	ESE
20230607         1750         2.5         ESE           20230607         1800         2.2         ESE           20230607         1810         2.5         ESE           20230607         1820         1.4         ENE           20230607         1820         1.4         ENE           20230607         1820         1.1         NNE           20230607         1840         0.8         -           20230607         1900         1.7         SE           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         2000         2.2         ESE           20230607         2000         1.9         E           20230607         2030         1.4         ENE           20230607         2030         1.1         SE           20230607         2100         1.1         S	20230607 1740	3.3	
20230607         I800         2.2         ESE           20230607         1810         2.5         ESE           20230607         1820         1.4         ENE           20230607         1830         1.1         NNE           20230607         1830         1.1         NNE           20230607         1830         0.3         SSE           20230607         1850         0.3         SSE           20230607         1900         1.7         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         1.7         ESE           20230607         1930         1.7         ESE           20230607         1900         1.4         ESE           20230607         2000         2.2         ESE           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2000         1.1         E           20230607         2100         1.1			
20230607         IS10         2.5         ESE           20230607         IS20         1.4         ENE           20230607         IS30         1.1         NNE           20230607         IS40         0.8         -           20230607         IS40         0.8         -           20230607         IS40         0.8         -           20230607         IS00         1.7         SE           20230607         1900         1.7         ESE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         2010         1.9         E           20230607         2010         1.9         E           20230607         2030         1.4         ENE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         100         0.3         SE			
20230607         1820         1.4         ENE           20230607         1830         1.1         NNE           20230607         1830         0.1         NNE           20230607         1850         0.3         SSE           20230607         1850         0.3         SSE           20230607         1910         0.8         N           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         2000         2.2         ESE           20230607         2000         2.2         ESE           20230607         2000         1.1         E           20230607         2020         1.1         E           20230607         2000         1.4         ENE           20230607         2100         1.4         E           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.3         E			
20230607         IS30         1.1         NNE           20230607         1830         0.8         -           20230607         1850         0.3         SSE           20230607         1900         1.7         SE           20230607         1900         1.7         SE           20230607         1900         1.7         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1940         1.4         ESE           20230607         1950         1.7         ESE           20230607         2010         1.9         E           20230607         2010         1.9         E           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2100         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         SE			
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20230607         1850         0.3         SSE           20230607         1900         1.7         SE           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         0.8         SE           20230607         1920         1.7         ESE           20230607         1940         1.4         ESE           20230607         2000         2.2         ESE           20230607         2000         1.1         E           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2030         1.4         E           20230607         2100         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.3         SE			NNE
20230607         1900         1.7         SE           20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1930         1.7         ESE           20230607         1950         1.7         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2040         1.4         E           20230607         2050         1.7         ESE           20230607         2100         0.3         SW           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.3         E           20230607         2100         0.8         E			-
20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1940         1.4         ESE           20230607         1940         1.4         ESE           20230607         2000         2.2         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2050         1.7         ESE           20230607         2030         1.4         E           20230607         2050         1.7         ESE           20230607         2100         1.1         SE           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2100         0.6         E           20230607         2200         0.6         -	20230607_1850	0.3	SSE
20230607         1910         0.8         N           20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1940         1.4         ESE           20230607         1940         1.4         ESE           20230607         2000         2.2         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2050         1.7         ESE           20230607         2030         1.4         E           20230607         2050         1.7         ESE           20230607         2100         1.1         SE           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2100         0.6         E           20230607         2200         0.6         -	20230607 1900	1.7	SE
20230607         1920         0.8         SE           20230607         1930         1.7         ESE           20230607         1940         1.4         ESE           20230607         1950         1.7         ESE           20230607         1950         1.7         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2010         1.9         E           20230607         2030         1.1         E           20230607         2040         1.4         ENE           20230607         2040         1.4         E           20230607         2100         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         S           20230607         2100         0.3         SE           20230607         2100         0.3         E           20230607         2100         0.6         E           20230607         2210         1.4         ENE           20230607         2200         0.6         -			
20230607         1930         1.7         ESE           20230607         1940         1.4         ESE           20230607         1950         1.7         ESE           20230607         2000         2.2         ESE           20230607         2000         2.2         ESE           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2030         1.4         E           20230607         2050         1.7         ESE           20230607         2050         1.7         ESE           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2100         0.6         E           20230607         2230         1.4         ENE           20230607         2230         0.6         -			
20230607         1940         1.4         ESE           20230607         1950         1.7         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2010         1.9         E           20230607         2030         1.1         E           20230607         2030         1.4         ENE           20230607         2030         1.4         E           20230607         2030         1.4         E           20230607         2030         1.4         E           20230607         2000         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         2100         0.3         SE           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2200         0.6         E           20230607         2200         0.6         -           20230607         2200         0.6         - <td></td> <td></td> <td></td>			
20230607         1950         1.7         ESE           20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2020         1.1         E           20230607         2020         1.1         E           20230607         2020         1.4         ENE           20230607         2050         1.7         ESE           20230607         2050         1.7         ESE           20230607         2100         0.1         SE           20230607         2100         0.3         SW           20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2100         0.6         E           20230607         2100         0.6         E           20230607         2200         0.6         E           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         - <td></td> <td></td> <td></td>			
20230607         2000         2.2         ESE           20230607         2010         1.9         E           20230607         2020         1.1         E           20230607         2030         1.4         ENE           20230607         2030         1.4         ENE           20230607         2050         1.7         ESE           20230607         2050         1.7         ESE           20230607         2100         0.3         SE           20230607         210         0.3         SE           20230607         210         0.3         SE           20230607         2100         0.3         SE           20230607         210         0.3         SE           20230607         210         0.8         E           20230607         210         0.6         E           20230607         2200         0.6         E           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         -			
20230607         2010         1.9         E           20230607         2020         1.1         E           20230607         2020         1.4         ENE           20230607         2030         1.4         ENE           20230607         2040         1.4         E           20230607         2100         1.7         ESE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         2120         0.3         SE           20230607         2150         0.8         E           20230607         2210         1.1         E           20230607         2210         1.1         E           20230607         2230         1.4         ENE           20230607         2230         1.1         E           20230607         2230         1.1         E           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.6         - <td></td> <td></td> <td></td>			
20230607         2020         1.1         E           20230607         2020         1.4         ENE           20230607         2040         1.4         E           20230607         2050         1.7         ESE           20230607         2050         1.7         ESE           20230607         2100         0.1         I         SE           20230607         2100         0.3         SW         20230607         2120         0.3         SE           20230607         2140         0.3         SE         20230607         2100         0.6         E           20230607         2100         0.6         E         20230607         210         1.1         E           20230607         2210         1.1         E         20230607         2200         0.6         E           20230607         2230         1.1         ESE         20230607         2230         1.1           20230607         2230         1.4         ENE         20230607         2230         0.6         -           20230607         2230         0.6         -         -         20230607         2230         0.6         -      <			
20230607         2030         1.4         ENE           20230607         2040         1.4         E           20230607         2050         1.7         ESE           20230607         2100         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2210         1.1         E           20230607         2200         1.4         ENE           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2300         0         N     <	20230607_2010	1.9	E
20230607         2030         1.4         ENE           20230607         2040         1.4         E           20230607         2050         1.7         ESE           20230607         2100         1.1         SE           20230607         2100         1.1         SE           20230607         2100         0.3         SW           20230607         2100         0.3         SE           20230607         2100         0.6         E           20230607         2210         1.1         E           20230607         2200         1.4         ENE           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2300         0         N     <	20230607 2020	1.1	E
20230607         2040         1.4         E           20230607         2050         1.7         ESE           20230607         2100         1.1         SE           20230607         2110         0.3         SW           20230607         2130         0.3         S           20230607         2130         0.3         S           20230607         2140         0.3         E           20230607         2100         0.6         E           20230607         2200         0.6         E           20230607         2200         1.1         E           20230607         2200         0.6         E           20230607         2200         1.4         ENE           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2200         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2300         0         N			
20230607         2025         1.7         ESE           20230607         2100         1.1         SE           20230607         2110         0.3         SW           20230607         2120         0.3         S           20230607         2120         0.3         SE           20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2100         0.6         E           20230607         2210         1.1         E           20230607         2200         0.6         E           20230607         2230         1.4         ENE           20230607         2230         1.4         ENE           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2300         0         N           20230607         2300         0         N           20230607         2300         0         N			
20230607         2100         1.1         SE           20230607         2110         0.3         SW           20230607         2120         0.3         S           20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2150         0.8         E           20230607         2100         0.6         E           20230607         2210         1.1         E           20230607         2210         1.4         ENE           20230607         2230         1.1         ESE           20230607         2230         1.1         ESE           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2300         0         N           20230607         2300         0         N           20230607         2300         0         N			
20230607         2110         0.3         SW           20230607         2120         0.3         S           20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2140         0.3         E           20230607         2100         0.6         E           20230607         2210         1.1         E           20230607         2210         1.4         ENE           20230607         2230         1.1         ESE           20230607         2230         1.4         SE           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0.3         S			
20230607         2120         0.3         S           20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2150         0.8         E           20230607         2150         0.8         E           20230607         2210         0.6         E           20230607         2210         1.1         E           20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2330         0.3         S           20230607         2330         0.3         S           20230607         2330         0.3         S           20230607         2340         0.8         SSE </td <td></td> <td></td> <td></td>			
20230607         2130         0.3         SE           20230607         2140         0.3         E           20230607         2150         0.8         E           20230607         2200         0.6         E           20230607         2200         1.4         ENE           20230607         2230         1.4         ENE           20230607         2230         1.4         SE           20230607         2230         1.4         SE           20230607         2230         0.6         -           20230607         2230         0.8         SE           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2140         0.3         E           20230607         2150         0.8         E           20230607         2200         0.6         E           20230607         2210         1.1         E           20230607         2210         1.1         E           20230607         2200         1.4         ENE           20230607         2230         1.4         ENE           20230607         2240         1.4         SE           20230607         2200         0.6         -           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2320         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2330         0.3         S           20230607         240         0.8         SSE			
20230607         2150         0.8         E           20230607         2200         0.6         E           20230607         2210         1.1         E           20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2240         1.4         SE           20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2300         0.3         SSW           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE	20230607_2130		SE
20230607         2150         0.8         E           20230607         2200         0.6         E           20230607         2210         1.1         E           20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2240         1.4         SE           20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2300         0.3         SSW           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE	20230607 2140	0.3	E
20230607         2200         0.6         E           20230607         2210         1.1         E           20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2230         1.1         ESE           20230607         2230         0.6         -           20230607         2300         0.3         SSW           20230607         2300         0.3         SSW           20230607         2320         0         N           20230607         2320         0         N           20230607         2300         0.3         SSW           20230607         2320         0         N           20230607         2300         0.3         S           20230607         2300         0.3         S           20230607         2300         0.3         S           20230607         2340         0.8         SSE			
20230607         2210         1.1         E           20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2240         1.4         SE           20230607         2240         1.4         SE           20230607         2200         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2220         1.4         ENE           20230607         2230         1.1         ESE           20230607         2240         1.4         SE           20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2230         1.1         ESE           20230607         2240         1.4         SE           20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2240         1.4         SE           20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			
20230607         2250         0.6         -           20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE	20230607 2240	1.4	SE
20230607         2300         0.3         SSW           20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         240         0.8         SSE			-
20230607         2310         0         N           20230607         2320         0         N           20230607         2330         0.3         S           20230607         2340         0.8         SSE			SSW
20230607 2330 0 N 20230607 2330 0.3 S 20230607 2340 0.8 SSE			
20230607_2330 0.3 S 20230607_2340 0.8 SSE	20230607 2220		
20230607 2340 0.8 SSE	20230007_2320		
20230607 2350 0.8 5			
2020007_2000 0.0 0.0 0.0	20230607_2350	0.8	S

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230608 0000	0.3	S
20230608_0010	1.1	SSE
20230608_0020	0.8	SSW
20230608_0030	0.6	SSW
20230608_0040	1.1	S
20230608_0050	1.4	SSE
20230608_0100	1.4	SSE
20230608_0110	1.4	SSE
20230608_0120	1.7	SE
20230608_0130	0.8	SE
20230608_0140	1.1	SE
20230608_0150	0.6	SE
20230608 0200	0.8	SSE
20230608_0210	1.7	SSE
20230608_0220	1.4	SE
20230608 0230	1.1	ESE
20230608_0240	1.7	ESE ESE
20230608_0250	1.7	ESE
20230608 0300 20230608_0310	1.7	ESE ESE
20230608_0310	1.1	ESE
20230608_0320	1.7	ESE
20230608 0330	1.1	ESE
20230608_0340	0.8	ESE
20230608_0350	0.8	SE
20230608 0400	0.6	ESE
20230608_0410	1.4	ESE
20230608_0420	1.7	ESE
20230608 0430	1.7	E
20230608_0440	1.4	E
20230608_0450	1.7	ENE
20230608 0500	1.7	E
20230608_0510	0.8	SE
20230608_0520	1.1	SSE
20230608 0530 20230608 0540	0.6	S
	0.8	
	1.1	SSE
20230608 0600	0.3	 N
20230608_0610 20230608_0620	0	N
	0.3	SE
20230608 0630 20230608_0640	0.3	SSE
20230608_0650	0.5	N
20230608_0000	0.6	S
20230608 0700	1.1	S
20230608_0720	0.8	S
20230608_0730	0.3	SSE
20230608_0740	0.3	E
20230608 0750	0.3	-
20230608_0750	0.3	SSW
20230608 0810	0.3	SSW
20230608 0820	0.5	N
20230608 0830	0.3	NW
20230608 0840	0.8	NW
20230608 0850	0.8	WNW
20230608_0900	0.3	NW
20230608 0910	0	N
20230608_0920	0.3	SE
20230608_0930	1.1	E
20230608_0940	1.7	E
20230608_0950	1.7	E
20230608_1000	1.4	E
20230608 1010	1.4	E
20230608_1020	1.1	ENE
20230608_1030	1.7	ESE
20230608 1040	2.8	E
20230608_1050	2.8	ESE
20230608_1100	2.8	E
20230608 1110	2.5	E
20230608_1120	3.1	E
20230608_1130	1.9	E
20230608 1140	2.5	E
20230608_1150	2.8	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230608_1200	2.2	E
20230608 1210	2.8	E
20230608_1220	3.3	E
20230608 1230	3.1	Е
20230608_1240	2.5	Ē
20230608_1250	2.2	E
20230608 1300	1.4	ESE
20230608_1310	0.8	E
20230608_1320	1.1	E
20230608_1330	1.4	E
20230608_1340	0.8	ENE
20230608_1350	0.6	SE
20230608 1400	0.8	ENE
20230608 1410	0.6	ESE
20230608_1420	0.3	ENE
20230608 1430	0.8	ENE
20230608 1440	0.8	NE
	1.4	ENE
20230608 1500	1.7	ENE
20230608_1510	2.2	ENE
20230608_1520	1.7	NNE
20230608 1530	1.7	ENE
20230608_1540	1.9	NE
20230608 1550	1.9	ENE
20230608 1600	1.7	ENE
20230608 1610	1.7	ENE
20230608_1620	1.7	E
20230608 1630	1.7	Е
20230608_1640	1.4	E
20230608_1650	0.8	ESE
20230608 1700	1.4	E
20230608 1710	1.7	Ē
20230608 1720	1.7	Ē
20230608_1720	2.2	E
20230608_1740	2.2	ESE
20230608_1750	1.7	ESE
20230608 1800	0.8	ENE
20230608_1810	1.7	ENE
20230608_1820	1.4	ENE
20230608 1830	1.4	ENE
20230608 1840	1.4	ENE
20230608 1850	1.4	ENE
20230608 1900	1.4	ENE
20230608_1910	1.1	ENE
20230608_1920	1.1	ENE
20230608 1930	0.8	ENE
20230608_1940	1.4	ENE
20230608_1950	1.4	ENE
20230608 2000	1.7	NE
20230608 2010	1.7	ENE
20230608 2020	1.1	E
20230608 2030		
	0.8	E
	0.8	E
20230608_2040	1.1	NE
20230608_2050	1.1 1.1	NE NE
20230608_2050 20230608_2100	1.1 1.1 1.4	NE NE ENE
20230608_2050 20230608_2100 20230608_2110	1.1 1.1 1.4 1.1	NE NE ENE ENE
20230608_2050 20230608_2100 20230608_2110 20230608_2120	1.1 1.1 1.4 1.1 0.8	NE NE ENE ENE ENE
20230608_2050 20230608_2100 20230608_2110 20230608_2120 20230608_2130	1.1 1.1 1.4 1.1	NE NE ENE ENE ENE NE
20230608_2050 20230608_2100 20230608_2110 20230608_2120 20230608_2130 20230608_2140	1.1 1.1 1.4 1.1 0.8	NE NE ENE ENE ENE
20230608_2050 20230608_2100 20230608_2110 20230608_2120 20230608_2130 20230608_2140	1.1 1.1 1.4 1.1 0.8 1.1 1.1	NE NE ENE ENE ENE NE
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2150	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1	NE NE ENE ENE ENE NE NE E
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2150 20230608 2150	1.1 1.1 1.4 1.1 0.8 1.1 1.1 1.1 1.1 1.4	NE NE ENE ENE ENE NE NE E E ENE
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2130 20230608 2130 20230608 2140 20230608 2150 20230608 2200 20230608 2210	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1 1.1 1.1 1.4 1.1 1.4 1.1	NE NE ENE ENE NE NE E E ENE NE
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2130 20230608 2130 20230608 2140 20230608 2150 20230608 2200 20230608 2210 20230608 2220	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1 1.1 1.4 0.8 0.8	NE NE ENE ENE NE NE E E E E E E E E E E
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2130 20230608 2130 20230608 2140 20230608 2200 20230608 2200 20230608 2220 20230608 2220	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1 1.4 1.4 1.1 0.8 0.8 0.8	NE NE ENE ENE NE NE E ENE NE E E E E E
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2120 20230608 2130 20230608 2130 20230608 2140 20230608 2210 20230608 2210 20230608 2220 20230608 2220 20230608 2240	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1 1.4 1.1 0.8 0.8 0.8 1.4	NE NE ENE ENE NE NE E E E E E E E E E E
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2150 20230608 2210 20230608 2220 20230608 2220 20230608 2220 20230608 2240 20230608 2250	$\begin{array}{c} 1.1\\ 1.4\\ 1.4\\ 1.1\\ 0.8\\ 1.1\\ 1.1\\ 1.1\\ 1.1\\ 1.4\\ 1.4\\ 0.8\\ 0.8\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4\\ 1.4$	NE           NE           ENE           ENE           NE           E           ENE           NE           E
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2150 20230608 2210 20230608 2220 20230608 2220 20230608 2220 20230608 2240 20230608 2250	1.1 1.4 1.4 1.1 0.8 1.1 1.1 1.1 1.4 1.1 0.8 0.8 0.8 1.4	NE NE ENE ENE NE NE E E E E E E E E E E
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2140 20230608 2150 20230608 2200 20230608 2200 20230608 2240 20230608 2240 20230608 2250 20230608 2300 20230608 2310	$\begin{array}{c} 1.1\\ 1.4\\ 1.4\\ 1.1\\ 0.8\\ 1.1\\ 1.1\\ 1.1\\ 1.1\\ 1.4\\ 1.4\\ 1.4\\ 1.4$	NE           NE           ENE           ENE           NE           E           ENE           NE           E           ESE           E           E           E           E           E           E           E           E           E           E           E           E
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2140 20230608 2150 20230608 2200 20230608 2200 20230608 2240 20230608 2240 20230608 2250 20230608 2300 20230608 2310	$\begin{array}{c} 1.1 \\ 1.1 \\ 1.4 \\ 1.1 \\ 0.8 \\ 1.1 \\ 1.1 \\ 1.1 \\ 1.4 \\ 1.1 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 0.3 \\ \end{array}$	NE           NE           ENE           ENE           NE           E           ENE           NE           E           ESE           ESE           E           E           E           E           E           E           E           E           E           E           E           E           E           NE
20230608 2050 20230608 2100 20230608 2110 20230608 2110 20230608 2120 20230608 2130 20230608 2140 20230608 2140 20230608 2150 20230608 2200 20230608 2200 20230608 2240 20230608 2240 20230608 2250 20230608 2300 20230608 2310	$\begin{array}{c} 1.1\\ 1.4\\ 1.4\\ 1.4\\ 0.8\\ 1.1\\ 1.1\\ 1.1\\ 1.1\\ 1.4\\ 1.4\\ 1.4\\ 1.4$	NE           NE           ENE           ENE           NE           E           ENE           NE           E           ESE           E           E           E           E           E           E           E           E           E           E
20230608 2050 20230608 2100 20230608 2110 20230608 2120 20230608 2120 20230608 2130 20230608 2140 20230608 2140 20230608 2210 20230608 2220 20230608 2220 20230608 2220 20230608 2250 20230608 2250 20230608 2310	$\begin{array}{c} 1.1 \\ 1.1 \\ 1.4 \\ 1.1 \\ 0.8 \\ 1.1 \\ 1.1 \\ 1.1 \\ 1.4 \\ 1.1 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 1.4 \\ 0.3 \\ \end{array}$	NE           NE           ENE           ENE           NE           NE           E           ENE           NE           E           ESE           ESE           E           E           NE           NNE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230609 0000	0.8	ENE
20230609_0000	1.4	E
20230609_0020	1.1	NE
20230609 0030	1.1	NE
20230609_0030	0.8	E
20230609_0040	0.8	SE
20230609_0050	0.3	N
20230609_0100	1.1	E
20230609_0110	1.4	ESE
20230609_0120 20230609_0130	1.1	ENE
20230609_0130	1.1 0.8	E ESE
20230609_0140	0.8	N
20230609 0200	0.8	ENE
20230609_0210	1.1	NE
20230609 0220	1.4	E
20230609_0230	1.1	ENE
20230609_0240	1.7	ENE
20230609 0250	1.7	ENE
20230609_0300 20230609_0310	1.1	ENE
	1.4	E
20230609 0320 20230609 0330	1.4	ENE ENE
20230609_0340	1.4	ENE
20230609_0350	0.8	NE
20230609 0350	0.8	ENE
20230609 0410	0.8	ENE
20230609 0420	0.3	ENE
20230609_0430	0.8	ESE
20230609_0440	0	N
20230609 0450	0.3	ENE
20230609_0500 20230609_0510	1.1	E E
20230609_0510	0	N
20230609_0530	0.3	ENE
20230609_0540	0.5	N
20230609 0550	0.3	SE
20230609 0600	0.8	ESE
20230609_0610	1.1	ENE
20230609 0620	0.3	NE
20230609_0630	0.6	NNE
20230609_0640	0.3	NE
20230609 0650 20230609 0700	0.8	NE ENE
20230609_0700	0.8	N
20230609_0720	0	N
20230609 0720	0.6	NNE
20230609_0740	0.8	NNE
20230609 0750	0.3	-
20230609_0800	1.1	Е
20230609_0810	0.8	SE
20230609_0820	1.1	E
20230609_0830 20230609_0840	1.9 1.7	E
20230609_0840 20230609_0850	1.7	E
20230609_0850	1.7	E
20230609_0900	2.2	E
20230609_0910	1.9	E
20230609 0930	1.7	ESE
20230609_0940	1.9	ESE
20230609_0950	1.9	ESE
20230609 1000	2.2	E
20230609_1010	2.5	E
20230609_1020	1.9	E
20230609 1030 20230609 1040	2.5 2.5	E
20230609_1040 20230609_1050	2.5	E
20230609_1030	2.5	E
20230609 1100	2.8	E
20230609_1120		
	3.3	E
20230609 1130 20230609_1140	2.8 3.3	E ENE ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230609_1200	3.3	ESE
20230609 1210	3.1	Е
20230609_1220	3.3	ESE
20230609 1230	3.3	E
20230609 1240	2.5	Ē
20230609_1240	3.3	E
20230609_1300	3.3	ENE
20230609_1310	3.6	E
20230609_1320	3.3	E
20230609_1330	3.3	ENE
20230609_1340	3.3	E
20230609_1350	3.3	E
20230609 1400	3.3	ENE
20230609_1410	4.2	E
20230609_1420	3.3	E
20230009_1420	3.3	
20230609 1430		E
20230609_1440	3.3	E
20230609_1450	3.1	E
20230609 1500	3.9	E
20230609 1510	3.6	Е
20230609 1520	3.3	Е
20230609 1530	4.2	Ē
20230609 1550	3.3	E
20230609_1540	3.3	E
20230600 1500	3.3	
20230609 1600		E
20230609_1610	3.3	E
20230609_1620	3.9	E
20230609 1630	3.6	ESE
20230609_1640	3.3	ESE
20230609 1650	3.9	ESE
20230609 1700	3.6	ESE
20230609 1710	4.2	ESE
20230609 1720	3.3	ESE
20230609_1720	3.1	E
20230609_1740	2.5	ESE
20230609_1750	2.8	ESE
20230609 1800	2.5	ESE
20230609 1810	1.9	ESE
20230609 1820	2.5	Е
20230609 1830	2.5	ESE
20230609 1840	2.8	ESE
20230609 1850	2.2	SE
20230609 1900	1.7	SE
20230609_1910	2.5	SE
20230609_1920	2.2	SE
20230609 1930	2.8	ESE
20230609_1940	2.8	ESE
20230609_1950	3.1	ESE
20230609 2000	3.6	ESE
20230609 2010	3.3	ESE
20230609 2020	2.8	ESE
20230609 2030	2.8	ESE
20230609_2030	3.1	ESE
20230609_2050	2.8	SE
20230609_2100	3.3	SE
20230609_2110	3.3	SE
20230609_2120	2.5	SE
20230609_2130	2.2	SE
20230609 2140	2.5	ESE
20230609 2150	3.3	SE
20230609 2200	2.2	SE
20230609_2200	2.5	ESE
20230609_2220	3.6	ESE
20230609_2230	2.5	ESE
20230609 2240	2.8	ESE
20230609_2250	3.6	ESE
	3.3	ESE
20230609 2300		
	3.3	ESE
20230609 2310	3.3	ESE
20230609 2310 20230609_2320	3.9	SE
20230609 2310 20230609_2320 20230609_2330	3.9 3.3	SE ESE
20230609 2310 20230609_2320	3.9	SE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230610_0000	1.7	ESE
20230610 0010	2.5	ESE
20230610_0020	3.3	ESE
20230610_0030	2.5	ESE ESE
20230610_0030	2.8	ESE
20230610_0040	3.1	ESE
20230610_0050	1.7 2.2	ESE ESE
20230610_0100 20230610_0110	2.2	ESE
20230610_0110	2.5	ESE
20230610 0120	2.5	ESE
20230610_0140	2.5	ESE
20230610 0150	2.5	E
20230610_0200	2.5 2.2	E
20230610_0210	2.2	ESE
20230610 0220	1.7 1.7	E
20230610_0230 20230610_0240	1.7	ESE E
20230610_0240	1.9	ESE
20230610_0300	1.7	E
20230610 0300	1.4	E
20230610 0320	1.7	E
20230610_0330	2.2	Ē
20230610_0340	2.5	Е
20230610 0350	2.2	E
20230610_0400	2.2	E
20230610_0410	1.7 2.5	E
20230610 0420 20230610 0430	2.5	E
20230610_0430	1.7	ESE
20230610_0450	1.7	E
20230610_0500	1.7	Ē
20230610_0510	1.7	Ē
20230610 0520	1.7	E
20230610_0530	1.7	E
20230610_0540	1.7	ESE
20230610 0550	1.4	ESE
20230610_0600 20230610_0610	1.9 1.7	SE
20230610_0610	2.2	ESE ESE
20230610_0630	2.2	ESE
20230610_0640	2.5	ESE
20230610 0650	2.2	E
20230610 0700	1.9	E
20230610_0710	2.2	ESE
20230610 0720	2.2	ESE
20230610_0730	2.5	ESE
20230610_0740	2.8 2.5	E
20230610 0750 20230610 0800	2.5	E ESE
20230610_0800	2.2	E
20230610_0810	2.2	E
20230610_0830	2.5	ESE
20230610_0840	2.5	E
20230610_0850	2.5	E
20230610_0900	3.1	E
20230610_0910	3.3	E
20230610_0920 20230610_0930	2.8 2.8	E
20230610_0930	2.8	E
20230610_0940	3.3	E
20230610_000	3.1	E
20230610_1010	3.3	Ē
20230610_1020	2.8	Ē
20230610 1030	3.3	ESE
20230610_1040	3.3	ESE
20230610_1050	3.6	ESE
20230610 1100	3.9	E
20230610_1110	3.9	E
20230610_1120 20230610_1130	3.6 4.2	E
20230610_1130	3.9	E
20250010_11+0	5.7	L

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230610_1200	33	E
20230610_1200	4.2	E
20230610_1210	3.9	Ē
20230610_1230	3.6	E
20230610_1240	3.9	ESE
20230610 1250	4.4	E
20230610_1300	3.9	E
20230610 1310	3.9	Ē
20230610_1320	4.2	Е
20230610 1330	4.4	E
20230610_1340	3.9	E
20230610_1350	4.2	E
20230610 1400	4.2	E
20230610_1410	3.9	E
20230610_1420	4.4	E
20230610 1430	4.2	E
20230610_1440	4.2	E
20230610_1450	4.2	E
20230610 1500	3.6	E
20230610_1510	3.9	E
20230610_1520	3.9	E
20230610 1530	3.9	E
20230610_1540	3.3	E
20230610_1550	3.9	E
20230610 1600	3.6	E
20230610_1610	3.6	E
20230610_1620	3.9	E
20230610 1630	3.9	E
20230610_1640	3.6	E
20230610_1650	3.3	ENE
20230610 1700	3.3	E
20230610_1710	2.8	E
20230610_1720	2.5	ESE
20230610 1730	2.8	E
20230610_1740	2.8	E
20230610_1750	2.2	E
20230610 1800	2.8	ESE
20230610_1810	2.5	ESE
20230610_1820	1.7	ESE
20230610 1830	1.4	ESE
20230610_1840	1.7	ESE
20230610_1850	1.7	SE
20230610 1900	1.7	SE
20230610_1910	2.2	ESE
20230610_1920	2.2	ESE
20230610 1930	2.2	E
20230610_1940	2.5	E
20230610_1950	2.2	ESE
20230610 2000	2.2	E
20230610_2010	2.2	ESE
20230610_2020	2.2	ESE
20230610_2030	2.2	ESE
20230610_2040	2.5	ESE
20230610_2050 20230610_2100	2.2 2.2	ESE ESE
20230610_2100		ESE
20230610_2110	1.7	ESE
20230610_2120	1.7	ESE
20230610_2130	1.7	ESE
20230610_2140	1.7	ESE
20230610_2140 20230610_2150	1.7	ESE
20230610_2200	1.7	ESE
20230610 2210	1.7	ESE
20230610 2220 20230610 2220 20230610 2230 20230610 2240 20230610 2250	1.7	ESE
20230610_2230	1.7	ESE
20230610 2240	1.7	ESE
20230610_2250	1.9	ESE
20230610_2300	1.7	ESE
20230610_2230 20230610_2300 20230610_2310 20230610_2320	1.7	ESE
20230610_2320	1.4	ESE
20230610_2330	1.4	ESE
20230610_2320 20230610_2330 20230610_2340 20230610_2350	1.7 1.7	ESE ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230611_0000	2.2	SE
20230611 0010	1.7	ESE
20230611_0020	1.7	ESE
20230611_0030	1.7	ESE ESE
20230611_0030	1.1	ESE
20230611_0040	1.1	ESE
20230611_0050 20230611_0100	1.1	E
20230611_0100 20230611_0110	1.7	ESE
20230611_0110	1.4	ESE
20230611_0120	1.4	ESE
20230611_0140	0.8	E
20230611 0150	1.1	E
20230611_0200	1.4	ESE
20230611_0210	1.4	SE
20230611 0220	1.1	-
20230611_0230 20230611_0240	1.4 0.6	ESE
20230611_0240	0.8	ENE
20230611_0300	0.8	ENE
20230611 0310	0.3	ENE
20230611_0320	0.3	-
20230611 0330	0.8	ENE
20230611_0340	2.2	ENE
20230611 0350	2.2	ENE
20230611_0400	1.9	E
20230611_0410 20230611_0420	2.2 2.8	ENE
20230611 0420 20230611 0430	2.8	E
20230611_0440	3.1	E
20230611_0440	3.3	E
20230611_0500	3.6	Ē
20230611_0510	3.3	Ē
20230611 0520	2.8	E
20230611_0530	3.1	E
20230611_0540	3.3	E
20230611 0550	3.3	ENE
20230611_0600 20230611_0610	3.1 2.5	ENE
20230611_0610	2.5	E
20230611_0630	3.1	E
20230611_0640	2.5	E
20230611 0650	2.5	ESE
20230611_0700	3.1	SE
20230611_0710	2.8	E
20230611 0720	3.1	ESE
20230611_0730	2.5	E
20230611_0740	2.8	ESE
20230611 0750 20230611 0800	2.8	ESE
20230611_0800	2.5	ESE
20230611_0820	2.8	E
20230611_0830	3.1	E
20230611_0840	2.8	E
20230611_0850	2.5	ESE
20230611_0900	3.1	E
20230611_0910	2.5	E
20230611_0920 20230611_0930	2.5	E
20230611_0930	2.8	E
20230611_0940	3.1	E
20230611_0930	3.3	E
20230611 1000	3.1	E
20230611_1020	2.5	E
20230611 1030	2.5	E
20230611_1040	2.2	ESE
20230611_1050	2.2	E
20230611 1100	1.7	E
20230611_1110	1.4	ESE
20230611_1120 20230611_1130	2.2 2.8	ESE
20230611_1130	2.8	ESE
20250011_1140	2.2	

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)	17	
20230611_1200 20230611_1210	2.2	ESE
20230611_1210	1.7	ESE
20230611_1220	1.7	ESE
20230611_1230	1.7	ESE
20230611_1240	1.7	SE
20230611_1200	1.1	S
20230611_1310	1.7	SE
20230611_1310	0.8	ESE
20230611_1320	0.8	SE
20230611_1330	0.8	S
20230611_1340	0.8	N N
20230611_1350	0.3	N
20230611_1400	0.3	NNE
20230611_1410	0.5	W
		SW
	0.8	
		SE
	0	N
20230611 1500	0.3	NW
20230611_1510	0.8	ESE
20230611_1520	0.3	WNW
20230611 1530	0.3	NNE
20230611_1540	0	N
20230611_1550	0.3	SW
20230611 1600	0.6	NW
20230611_1610	0.8	W
20230611_1620	1.1	S
20230611 1630	0.8	E
20230611_1640	1.1	ESE
20230611_1650	1.1	SW
20230611 1700	0.3	SW
20230611_1710	0.3	WNW
20230611_1720	0.3	E
20230611 1730	0.8	SE
20230611_1740	1.4	SE
20230611_1750	1.1	SSE
20230611 1800	1.4	S
20230611_1810	1.4	S
20230611_1820	1.1	S
20230611 1830	1.4	S
20230611_1840	0.8	SW
20230611_1850	0.8	E
20230611 1900	0.3	E
20230611_1910	0.3	WNW
20230611_1920	0.8	SSW
20230611 1930	0.8	SSE
20230611_1940	0.6	SE
20230611_1950	0	N
20230611 2000	0.3	S
20230611_2010	0.8	SSE
20230611_2020	1.4	SSE
20230611_2030	0.8	
20220611 2040	0.3	SE
20230611_2050	0.3	-
20230611_2050 20230611_2100	0.8	SSE
20230611_2110	0.3	WNW
20230611_2120	0.3	-
20230611_2130	0	N
20230611_2140	0	N
20230611_2150	0.3	ENE
20230611 2200	0.6	-
20230611 2210	0	N
20230611 2220	0.3	SSW
20230611_2230	0.3	-
20230611 2240	0	Ν
20230611 2250	0	N
20230611_2200	0.3	-
20200011 2000		ESE
20230611_2300	0.8	
20230611 2310	0.8	ESE -
20230611 2320	0.3	-
20230611_2300 20230611_2320 20230611_2320 20230611_2330 20230611_2340 20230611_2350		- N N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230612_0000 20230612_0010 20230612_0020	0	N
20230612_0010	0	N
20230612_0020	0	N
20230612_0030 20230612_0030	0	N
	0	N
20230612_0040	0	N
20230612_0050 20230612_0100	0.3	ESE
20230612_0100 20230612_0110	0.8	S
20230612_0110	0.5	SE
20230612_0120	1.1	ESE
20230612_0140	1.4	ESE
20230612_0140 20230612_0150	2.5	NNE
20230612 0200	1.1	ENE
20230612_0210	1.9	NNE
20230612 0220	1.7	SSE
20230612 0220 20230612 0230 20230612_0240	1.4	E
20230612_0240	1.7	ENE
20230612_0250 20230612_0250 20230612_0300	0.8	NNE
20230612_0300	2.5	NNE
20230612_0310	2.8	NE
20230612 0320 20230612 0330	1.4	SSW WSW
	1.4	
20230612_0340 20230612_0350	0.3	ESE NE
	0.3	ENE
20230612_0400 20230612_0410	0.5	WSW
20230612_0410	1.4	NNE
20230612_0420	1.1	ESE
20230612_0440	0.6	ESE
20230612 0450	0.3	-
20230612 0500	0.8	SE
20230612_0510	1.4	E
20230612 0520	1.7	E
20230612_0530	0.3	NE
20230612_0540	0.8	ENE
20230612 0550	0.6	
20230612_0600	0.3	E
20230612_0610	1.1	NNE
20230612 0620 20230612 0630	1.7	SE
20230612_0630 20230612_0640	2.8	SSE SSE
20230612_0040	1.7	S
20230612 0050	1.1	S
20230612_0710	1.4	SE
20230612 0720	0.8	SSE
20230612_0730	0.8	-
20230612_0740	0.3	
20230612 0750	0	Ν
20230612_0800	0.3	-
20230612_0810	1.1	SSE
20230612_0820	0.8	SE
20230612_0830	1.1	SSE
20230612_0840	0.8	WNW
20230612_0850	0.3	E
20230612 0900 20230612 0910	1.1	ENE NNW
20230612_0910	1.1	NNW NNE
20230612_0920	1.4	NNE
20230612 0930	1.4	ENE
20230612_0950	1.1	SE
20230612 1000	0.8	ESE
20230612 1000	0	N
20230612_1020	0	N
20230612 1030	0	Ν
20230612_1040	0.3	ESE
20230612_1050	0.3	E
20230612 1100	1.1	ESE
20230612_1110	1.1	ESE
20230612_1120	0.3	SSE
20230612 1130	0.6	SE
20230612_1140	0	N

Date & Time	West Cared (m/s)	Wind Distation (Estat)
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230612_1200 20230612_1210	1.1	ESE
20230612_1210	1.4	SE
20230612_1220	1.4	SE
20230612_1230	0	N
20230612_1240	0.3	WNW
20230612_1250	0	N
20230612_1300	0.8	SSE
20230612_1310	1.1	S
20230612_1320	1.1	SE
20230612_1330 20230612_1340	0.3	SSE N
20230612_1340 20230612_1350	0.8	E
20230612_1330	1.4	ESE
20230612_1400	1.4	ESE
20230612_1420	0.8	ESE
20230612_1430	0.6	-
20230612_1440	0.8	ESE
20230612_1450	0.0	N
20230612_1500	0	N
20230612 1510	1.1	WSW
20230612_1520	1.1	WSW
20230612 1530	1.7	WSW
20230612 1530 20230612_1540	1.7	SW
20230612_1550	2.8	SW
20230612 1600	2.2	SW
20230612_1610	1.4	SW
20230612_1620	1.4	SW
20230612 1630	0.8	W
20230612_1640	1.7	WSW
20230612_1650	2.2	SW
20230612 1700	1.7	WSW
20230612_1710	0.8	W
20230612_1720	0.6	W
20230612 1730	0.8	WSW
20230612_1740	0.3	SSW
20230612_1750	0	N
20230612 1800	0	N
20230612_1810	0	N
20230612_1820	0.6	NW
20230612 1830	1.1	WNW
20230612_1840 20230612_1850	0.6	W N
20230612 1900	0.8	NNE
20230612 1900	0.8	E
20230612_1910	0.8	NE
20230612 1930	0.8	NE
20230612_1940	0.3	SSE
20230612_1950	0.5	N
20230612_1000	0.8	S
20230612_2010	0.3	-
20230612 2020	0.3	N
20230612_2030	0.3	NW
20230612 2040	0	N
20230612 2050	1.1	SE
20230612_2100	1.4	SSE
20230612 2110	0.8	SW
20230612_2120	1.4	SSE
20230612_2130	0.8	S
20230612 2140	0.8	ESE
20230612_2150	0.3	Е
20230612 2150 20230612 2150 20230612 2200 20230612 2210 20230612 2220 20230612 2220 20230612 2230 20230612 2250 20230612 2250 20230612 2310 20230612 2310	0.3	SE
20230612 2210	0	N
20230612_2220	0	N
20230612_2230	0	N
20230612 2240	0	Ν
20230612_2250	0.3	E
20230612_2300	0	N
20230612 2310	0	N
20230612_2320	0	N
20230612_2330	0	N
20230612 2340	0.3	N ENE
20230612_2350		

(YYYYMMBB HIMM)         W           20230613 0010         20230613 0020           20230613 0020         20230613 0020           20230613 0020         20230613 0020           20230613 0040         20230613 0040           20230613 0100         20230613 0100           20230613 0100         20230613 0120           20230613 0120         20230613 0140           20230613 0140         20230613 0150           20230613 0120         20230613 0220           20230613 0200         20230613 0220           20230613 0230         20230613 0230           20230613 0240         20230613 0230           20230613 0240         20230613 0300           20230613 0240         20230613 0300           20230613 0240         20230613 0300           20230613 0240         20230613 0300           20230613 0340         20230613 0340           20230613 0340         20230613 0440           20230613 0420         20230613 0420           20230613 0500         20230613 0500           20230613 0510         20230613 0520           20230613 0510         20230613 0520           20230613 0520         20230613 0550           20230613 0550         20230613 0610           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N           SSW           N           N           N           N           N           N           SE           NW           NE           ENE           W           N           N           N           N
20230613         0010           20230613         0020           20230613         0040           20230613         0040           20230613         0050           20230613         0100           20230613         0100           20230613         0100           20230613         0120           20230613         0120           20230613         0130           20230613         0140           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0300           20230613         0300           20230613         0310           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N N N N N N N N N N N N N
20230613         0030           20230613         0040           20230613         0050           20230613         0100           20230613         0100           20230613         0120           20230613         0120           20230613         0120           20230613         0140           20230613         0140           20230613         0140           20230613         020           20230613         0200           20230613         0200           20230613         0220           20230613         0220           20230613         0230           20230613         0230           20230613         0320           20230613         0320           20230613         0320           20230613         0320           20230613         0400           20230613         0400           20230613         0400           20230613         0420           20230613         0420           20230613         0420           20230613         0430           20230613         0520           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N           SSW           N           SSW           N           SSE           NW           SE           NW           NE           ENE           W           N           N           N
20230613         0040           20230613         0050           20230613         010           20230613         0110           20230613         0110           20230613         0120           20230613         0130           20230613         0130           20230613         0140           20230613         0140           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0300           20230613         0300           20230613         0300           20230613         0300           20230613         0300           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0500           20230613	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	N N N N N N N N N N N N N N N N N N N
20230613         0040           20230613         0050           20230613         0100           20230613         0110           20230613         0110           20230613         0120           20230613         0130           20230613         0130           20230613         0140           20230613         0150           20230613         0200           20230613         0210           20230613         0210           20230613         0220           20230613         0240           20230613         0240           20230613         0300           20230613         0300           20230613         0310           20230613         0320           20230613         0330           20230613         0340           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0400           20230613         0500           20230613	$\begin{array}{c} 0 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N N N N N N N N N N N N N N N N N N N
20230613         0100           20230613         0120           20230613         0120           20230613         0130           20230613         0140           20230613         0150           20230613         0140           20230613         0150           20230613         0210           20230613         0210           20230613         0220           20230613         0220           20230613         0240           20230613         0240           20230613         0240           20230613         0340           20230613         0330           20230613         0330           20230613         0340           20230613         0400           20230613         0400           20230613         0400           20230613         0410           20230613         0410           20230613         0420           20230613         050           20230613         050           20230613         0510           20230613         0500           20230613         0520           20230613	$\begin{array}{c} 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	- N N N N N N N N N N SSW N N SSW N N SSE NW NE ENE W NE ENE W N N N N N N N N N N N N N
20230613         0110           20230613         0120           20230613         0140           20230613         0140           20230613         0140           20230613         0150           20230613         0200           20230613         0201           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0230           20230613         0240           20230613         0300           20230613         0310           20230613         0310           20230613         0340           20230613         0400           20230613         0400           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0520           20230613         0520           20230613         0520           20230613         0540           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N N N N N N N N N SSW N N SSW SSW
20230613         0120           20230613         0140           20230613         0140           20230613         0150           20230613         0150           20230613         0200           20230613         0200           20230613         0200           20230613         0220           20230613         0220           20230613         0220           20230613         0230           20230613         0300           20230613         0300           20230613         0320           20230613         0320           20230613         0320           20230613         0330           20230613         0340           20230613         0400           20230613         0400           20230613         0420           20230613         0420           20230613         0420           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N N N N N N N N N SSW N N SSW SSW
20230613         0130           20230613         0140           20230613         0150           20230613         0150           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0200           20230613         0240           20230613         0240           20230613         0240           20230613         0340           20230613         0330           20230613         0330           20230613         0340           20230613         0340           20230613         0440           20230613         0440           20230613         0450           20230613         0450           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0540           20230613         0550           20230613         0540           20230613         0540           20230613         0540           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N SSW N SSW N N SSW N SSW N N SSE NW N ENE ENE ENE ENE ENE W N N N N N N
20230613         0140           20230613         0150           20230613         0200           20230613         0210           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0230           20230613         0300           20230613         0300           20230613         0300           20230613         0330           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0430           20230613         0430           20230613         0430           20230613         0510           20230613         0510           20230613         0540           20230613         0540           20230613         0610           20230613         0610           20230613         0610           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N N SSW N N SSW N N SSW N N N S S SE NW N E NE ENE W N N N N N N N N N N N
20230613         0150           20230613         0200           20230613         0210           20230613         0210           20230613         0220           20230613         0230           20230613         0240           20230613         0240           20230613         0300           20230613         0300           20230613         0300           20230613         0330           20230613         0330           20230613         0330           20230613         0340           20230613         0400           20230613         0400           20230613         0400           20230613         0420           20230613         0430           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0500           20230613         0500           20230613         0500           20230613         0500           20230613         0630           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N N N N N N SSW N N N SS SSE NW N SSE NW NE ENE W N N N N N N N N N N S S N N N N N
20230613         0200           20230613         0210           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0220           20230613         0240           20230613         0250           20230613         0300           20230613         0310           20230613         0320           20230613         0320           20230613         0340           20230613         0440           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         050           20230613         0510           20230613         0520           20230613         0520           20230613         0540           20230613         0620           20230613         0620           20230613         0630           20230613         0640           20230613         0650           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N N SSW N SSW N N SSE SSE NW N E E E E E E E E E E E E E E E E E
20230613         0210           20230613         0220           20230613         0220           20230613         0240           20230613         0240           20230613         0300           20230613         0300           20230613         0300           20230613         0310           20230613         0320           20230613         0320           20230613         0340           20230613         0400           20230613         0400           20230613         0410           20230613         0440           20230613         0450           20230613         050           20230613         0510           20230613         0510           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0600           20230613         0600           20230613         0620           20230613         0630           20230613         0640           20230613         0640           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N N SSW N SSW N N SSE SSE NW N N ENE ENE W N N N N N N N N N N N
20230613         0220           20230613         0240           20230613         0240           20230613         0240           20230613         0250           20230613         0300           20230613         0300           20230613         0300           20230613         0300           20230613         0300           20230613         0320           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         050           20230613         0510           20230613         0510           20230613         0530           20230613         0540           20230613         0610           20230613         0620           20230613         0630           20230613         0700           20230613         0710           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N SSW N SSW N N SSE NW SSE NW NE ENE ENE ENE W N N SSE SSE NW N N N N N N N N N N N N N N N N N N
20230613         0230           20230613         0240           20230613         0250           20230613         0300           20230613         0300           20230613         0300           20230613         0310           20230613         0320           20230613         0330           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0430           20230613         0430           20230613         0430           20230613         0450           20230613         050           20230613         050           20230613         050           20230613         050           20230613         050           20230613         050           20230613         0610           20230613         0610           20230613         0610           20230613         0610           20230613         0610           20230613         0700           20230613         0700           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N N SSW N N S S SE NW N SE ENE W N N N N N N N N SW SW SW SW SW SW
20230613         0240           20230613         0340           20230613         0300           20230613         0310           20230613         0320           20230613         0320           20230613         0320           20230613         0330           20230613         0340           20230613         0400           20230613         0400           20230613         0420           20230613         0420           20230613         0420           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0630           20230613         0630           20230613         0640           20230613	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ $	N N N SSW N - - - - - - - - - - - - - - - - - -
20230613         0300           20230613         0310           20230613         0320           20230613         0330           20230613         0330           20230613         0340           20230613         0350           20230613         0400           20230613         0400           20230613         0420           20230613         0420           20230613         0420           20230613         0430           20230613         0430           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0600           20230613         0600           20230613         0620           20230613         0630           20230613         0700           20230613         0700           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	N N SSW N N SSE SSE NW NE ENE W N N N N N N SW SW SW N
20230613         0300           20230613         0310           20230613         0320           20230613         0320           20230613         0340           20230613         0350           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0430           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0600           20230613         0600           20230613         0620           20230613         0620           20230613         0630           20230613         0700           20230613         0700           20230613         0720           20230613	$\begin{array}{c} 0 \\ 0.3 \\ 0 \\ 0.3 \\ 0 \\ 0.3 \\ 0 \\ 0.11 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N SSW N N S SSE SSE NW NE ENE ENE W N N N N N SW SW SW N
20230613         0320           20230613         0330           20230613         0340           20230613         0340           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0600           20230613         0600           20230613         0610           20230613         0610           20230613         0610           20230613         0700           20230613         0700           20230613         0720           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613	$\begin{array}{c} 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 2.2 \\ 1.1 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	SSW N N N S SSE NW NE ENE ENE W N N N SW SW N
20230613         0320           20230613         0330           20230613         0340           20230613         0340           20230613         0340           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0600           20230613         0600           20230613         0610           20230613         0610           20230613         0610           20230613         0700           20230613         0700           20230613         0720           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613	$\begin{array}{c} 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N N N S SSE NW NE ENE ENE W N N N N NE SW - N N
20230613         0330           20230613         0340           20230613         0350           20230613         0400           20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0430           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0550           20230613         0630           20230613         0630           20230613         0640           20230613         0640           20230613         0700           20230613         0700           20230613         0720           20230613         0720           20230613         0730           20230613         0740           20230613         0750           20230613         0750           20230613	0.3 0 2.2 1.1 0.6 0.3 0.6 0.3 0 0 0 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0	N N S SSE NW NE ENE W N N N SW SW N
20230613         0340           20230613         0350           20230613         0410           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0430           20230613         0450           20230613         0500           20230613         0510           20230613         0530           20230613         0530           20230613         0530           20230613         0540           20230613         0640           20230613         0650           20230613         0630           20230613         0640           20230613         0650           20230613         0700           20230613         0700           20230613         0720           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 2.2 \\ 1.1 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N S SE NW NE ENE W W N N N SW SW
20230613         0350           20230613         0410           20230613         0410           20230613         0420           20230613         0420           20230613         0430           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0510           20230613         0510           20230613         0520           20230613         0550           20230613         0550           20230613         0640           20230613         0650           20230613         0640           20230613         0650           20230613         0650           20230613         0700           20230613         0710           20230613         0710           20230613         0720           20230613         0740           20230613         0750           20230613         0810	$\begin{array}{c} 0 \\ 2.2 \\ 1.1 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N S SE NW NE ENE W W N N N SW SW
20230613         0400           20230613         0410           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0420           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0530           20230613         0540           20230613         0600           20230613         0620           20230613         0620           20230613         0630           20230613         0630           20230613         0700           20230613         0710           20230613         0720           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613         0810	$\begin{array}{c} 2.2 \\ 1.1 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	S SSE NW NE ENE W N N N SW SW
20230613         0410           20230613         0420           20230613         0430           20230613         0440           20230613         0440           20230613         0450           20230613         0450           20230613         050           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0540           20230613         0600           20230613         0610           20230613         0620           20230613         0620           20230613         0700           20230613         0700           20230613         0710           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613	$\begin{array}{c} 2.2 \\ 1.1 \\ 0.6 \\ 0.3 \\ 0.6 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	SSE NW NE ENE W N N N SW SW
20230613         0420           20230613         0440           20230613         0440           20230613         0440           20230613         0440           20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0530           20230613         0540           20230613         0640           20230613         0630           20230613         0630           20230613         0640           20230613         0640           20230613         0700           20230613         0700           20230613         0720           20230613         0740           20230613         0740           20230613         0750           20230613         0810	0.6 0.3 0.6 0.3 0 0 0 0 0 0 0 0 0 0 3 0,3 0,3 0 0 0	NW NE ENE W N N NE SW - N
20230613         0430           20230613         0440           20230613         0450           20230613         0500           20230613         0500           20230613         0510           20230613         0510           20230613         0520           20230613         0530           20230613         0530           20230613         0540           20230613         0600           20230613         0610           20230613         0620           20230613         0630           20230613         0640           20230613         0700           20230613         0700           20230613         0710           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0810	0.3 0.6 0.3 0 0 0 0 0.3 0.3 0.3 0 0 0	NW NE ENE W N N NE SW - N
20230613         0.0440           20230613         0.500           20230613         0.500           20230613         0.510           20230613         0.520           20230613         0.520           20230613         0.520           20230613         0.520           20230613         0.540           20230613         0.650           20230613         0.600           20230613         0.610           20230613         0.620           20230613         0.620           20230613         0.640           20230613         0.640           20230613         0.640           20230613         0.640           20230613         0.700           20230613         0.700           20230613         0.700           20230613         0.700           20230613         0.730           20230613         0.740           20230613         0.750           20230613         0.810	0.6 0.3 0 0 0 0.3 0.3 0.3 0.3 0	NE ENE W N N NE SW - N
20230613         0450           20230613         0500           20230613         0510           20230613         0520           20230613         0540           20230613         0540           20230613         0540           20230613         0540           20230613         0600           20230613         0610           20230613         0620           20230613         0630           20230613         0630           20230613         0650           20230613         0700           20230613         0710           20230613         0720           20230613         0730           20230613         0740           20230613         0750           20230613         0810	0.3 0.3 0 0.3 0.3 0.3 0.3 0 0	ENE W N N NE SW - N
20230613         0500           20230613         0510           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0520           20230613         0540           20230613         0600           20230613         0610           20230613         0620           20230613         0620           20230613         0620           20230613         0620           20230613         0700           20230613         0710           20230613         0720           20230613         0740           20230613         0750           20230613         0750           20230613         0810	0.3 0 0.3 0.3 0.3 0.3 0	W N NE SW · N
20230613         0510           20230613         0520           20230613         0530           20230613         0530           20230613         0550           20230613         0600           20230613         0600           20230613         0600           20230613         0610           20230613         0620           20230613         0620           20230613         0640           20230613         0700           20230613         0710           20230613         0720           20230613         0720           20230613         0720           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0750           20230613         0810	0 0.3 0.3 0.3 0	N NE SW - N
20230613         0520           20230613         0530           20230613         0540           20230613         0540           20230613         0540           20230613         0600           20230613         0600           20230613         0610           20230613         0620           20230613         0630           20230613         0640           20230613         0650           20230613         0710           20230613         0710           20230613         0720           20230613         0730           20230613         0740           20230613         0750           20230613         0750           20230613         0810	0 0.3 0.3 0.3 0	N NE SW - N
20230613 0530 20230613 0540 20230613 0550 20230613 0600 20230613 0610 20230613 0610 20230613 0620 20230613 0630 20230613 0640 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0.3 0.3 0.3 0	NE SW - N
20230613 0540 20230613 0550 20230613 0600 20230613 0600 20230613 0620 20230613 0620 20230613 0620 20230613 0640 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0.3 0.3 0	SW - N
20230613         0550           20230613         0600           20230613         0610           20230613         0610           20230613         0620           20230613         0630           20230613         0640           20230613         0640           20230613         0700           20230613         0710           20230613         0720           20230613         0720           20230613         0740           20230613         0750           20230613         0800           20230613         0810	0.3	- N
20230613 0600 20230613 0610 20230613 0620 20230613 0620 20230613 0640 20230613 0700 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0740 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	
20230613 0610 20230613 0620 20230613 0630 20230613 0630 20230613 0650 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810		
20230613 0620 20230613 0630 20230613 0640 20230613 0640 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0730 20230613 0740 20230613 0800 20230613 0810	0	
20230613 0630 20230613 0640 20230613 0650 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810		N
20230613 0640 20230613 0650 20230613 0700 20230613 0710 20230613 0710 20230613 0720 20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	N
20230613 0650 20230613 0700 20230613 0710 20230613 0710 20230613 0730 20230613 0740 20230613 0740 20230613 0800 20230613 0800	0	N
20230613 0700 20230613 0710 20230613 0720 20230613 0720 20230613 0740 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	N
20230613 0710 20230613 0720 20230613 0730 20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	N
20230613 0720 20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	N
20230613 0730 20230613 0740 20230613 0750 20230613 0800 20230613 0810	0	N
20230613_0740 20230613_0750 20230613_0800 20230613_0810	0	N
20230613_0750 20230613_0800 20230613_0810	0	N
20230613 0800 20230613 0810	0	N
20230613_0810	0	N
	0	N
	0.3	NE
	0	N
20230613_0830	0.3	SSW
20230613_0840	0.6	SSW
20230613_0850	0.6	SSE
20230613_0900	0	N
20230613_0910	0	N
20230613_0920	0	N
20230613_0930	0	N
20230613_0940 20230613_0950	0	N
	0.3	WSW
20230613_1000	0.3	SW
20230613 1010	0.3	-
20230613_1020	0.3	- N
20230613_1030	0	N
20230613 1040	0	N
20230613_1050	0	N
20230613_1100	0.6	WSW
20230613 1110	1.4	WSW
20230613_1120		WSW
20230613_1130	0.8	Ŵ
20230613 1140 20230613_1150		W

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230613_1200	1.1	W
20230613_1210	1.7	WNW
20230613_1220	1.7	W
20230613_1230	1.7	W
20230613_1240	1.4	W
20230613_1250	1.7	WSW
20230613_1300	1.7	W
20230613_1310	1.7	WNW
20230613_1320	1.1	NW
20230613 1330	1.1	WNW
20230613_1340	1.4	NW
20230613 1350	0.6	NNW
20230613 1400	0.8	NNW
20230613 1410	0.6	NNW
20230613 1420	0.6	WSW
20230613 1430	1.1	W
20230613 1440	1.7	Ŵ
20230613_1450	1.7	WSW
20230613 1500	1.7	W
20230613 1510	0.8	W
20230613_1520	1.1	WSW
20230613 1530	1.1	W
20230613_1540	0.3	WNW
20230613 1550	0.3	NW
20230613_1550	0.5	ENE
20230613 1600	0.6	ESE
20230613_1610	0.8	SE
20230613 1630	0.3	SSE
20230613_1640	0.8	SSE
20230613_1650	0.3	S
20230613 1700	0.3	SSE
20230613_1710	0	N
20230613_1720	0.3	NW
20230613 1730	0.3	NW
20230613_1740	0	N
20230613_1750	0	N
20230613 1800	0.8	SSW
20230613_1810	1.1	SSE
20230613_1820	0.6	SE
20230613 1830	0.3	NNW
20230613_1840	1.1	N
20220612 1850	2.5	NNE
20230613_1900	2.2	NW
20230613 1910	1.4	N
20230613_1920	0.6	SW
20230613 1930	0.3	SSE
20230613_1940	0.3	-
20230613_1950	0.5	N
20230613 2000	1.1	SE
20230613 2000	1.1	SE
20230613_2020	1.7	ESE
20230613 2020	1.4	ESE
20230613_2030	1.4	ESE
20230613_2040 20230613_2050	1.9	ESE
20230613_2100	1.4	NE
20230613 2110	1.4	NNE
20230613_2120	0.8	-
20230613_2130	1.9	ESE
20230613_2140	1.7	ESE
20230613_2150	1.7	E
20230613_2200	1.1	ESE
20230613 2210	0.8	ESE
20230613_2220	1.7	SE
20230613_2230	1.7	ESE
20230613 2240	0.8	NW
20230613_2250	1.1	NW
20230613 2300	0.8	NNE
20230613 2310	0.3	NE
20230613 2320	0.5	N
20230613_2330	0.3	NE
20230613 2340	1.1	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230614_0000	1.1	NE
20230614_0010	0.6	NE
20230614_0020	0.6	E
20230614_0020	0.6	ENE
20230614_0030	1.4	E
20230614_0040	1.4	ENE
20230614_0050	2.2	ENE
20230614_0100	2.2	ENE
20230614_0110	0.8	E
20230614_0120	0.3	-
20230614_0130	0.6	N
20230614_0140	1.1	NNE
20230614 0150	1.7	NNE
20230614_0200	1.4	N
20230614_0210	1.4	NNE
20230614 0220	1.4	N
20230614_0230	1.1	N
20230614_0240	1.1	N
20230614 0250 20230614_0300	0.8	NNW
20230614_0300	0.8	Ν
20230614 0310	0	N
20230614 0320	0	N
20230614_0330	0.3	W
20230614_0340	0.8	WNW
20230614 0350	0.8	NNW
20230614_0400	1.1	N
20230614_0410	1.4	NNE
20230614 0420	0.3	-
20230614_0430	0	Ν
20230614_0440	0	N
20230614 0450	0.3	NW
20230614_0500	0.3	NNW
20230614_0510	0.6	N
20230614 0520	1.7	NNE
20230614_0530	1.1	NNE
20230614_0540	0.6	N
20230614 0550	0.6	NNW
20230614_0600	0.6	NNW
20230614_0610	1.7	N
20230614 0620	0.8	NNW
20230614_0630	0.6	NW
20230614_0640	0.3	NNW
20230614 0650	0.3	-
20230614_0700	0.3	NNE
20230614_0710	0.3	E
20230614 0720	1.1	E
20230614_0730	0.8	SSW
20230614_0740	0.6	WSW
20230614 0750	0.3	NNW
20230614_0800	0.3	NW
20230614_0810	0.3	NNW
20230614_0820	1.7	N
20230614_0830	1.4	N
20230614_0840	1.7	NNE
20230614_0850	1.4	N
20230614_0900	0.8	N
20230614_0910	1.1	N
20230614_0920	0.3	N
20230614_0930	0.8	NW
20230614_0940	0.3	NNW
20230614_0950	0.6	WNW
20230614 1000	0.3	NW
20230614_1010	0	N
20230614_1020	0	N
20230614 1030	0.8	E
20230614_1040	0.8	E
20230614_1050	2.5	E
20230614 1100	2.2	E
20230614_1110	1.9	E
20230614_1120	2.2	E
20230614 1130	2.2	E
20230614_1140	1.7	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230614_1200	1.4	ENE
20230614_1210	1.7	E
20230614_1220	1.7	ESE
20230614_1230	1.9	E
20230614_1240	1.7	ESE
20230614_1250	1.7	ESE
20230614_1300	2.2	E
20230614_1310	2.8	E
20230614_1320	3.3	E
20230614_1330	3.3	E
20230614_1340	3.6	E
20230614_1350	2.8	ESE
20230614 1400	3.1	E
20230614_1410	3.1	ESE
20230614_1420	2.5	SE
20230614 1430	2.2	E
20230614 1440	1.4	ESE
20230614 1450	1.7	E
20230614 1500	1.7	ESE
20230614 1510	1.7	ESE
20230614_1520	1.7	ESE
20230614 1530	1.7	ESE
20230614_1540	1.7	SE
20230614 1550	2.2	SE
20230614 1600	2.5	SE
20230614 1610	2.8	ESE
20230614_1620	2.2	ESE
20230614_1630	3.3	ESE
20230614_1640	3.3	ESE
20230614_1650	2.8	ESE
20230614 1700	3.3	E
	2.8	ESE
20230614_1710 20230614_1720	3.1	ESE
20230014_1720		ESE
20230614 1730 20230614 1740	2.8	ESE
	2.5	
20230614_1750	2.2	ESE
20230614 1800	2.8	ESE
20230614_1810	3.1	E
20230614_1820	2.2	ESE
20230614 1830	2.2 2.5	ESE
20230614_1840	2.5	E
20230614_1850	2.5	E
20230614 1900	1.4	ESE
20230614_1910	1.7	ESE
20230614_1920	1.4	ESE
20230614 1930	2.5	ESE
20230614_1940		ESE
20230614_1950	2.5	ESE
20230614 2000	2.2	ESE
20230614_2010	2.5	E
20230614 2020	2.5	E
20230614_2030	2.8	ESE
20230614_2040	2.5	E
20230614_2050	2.8	ESE
20230614_2100	3.3	ESE
20230614_2110	2.8	ESE
20230614_2120	2.8	ESE
20230614_2130	2.2	ESE
20230614 2140	2.2	ESE
20230614 2150	2.5	ESE
20230614_2200	2.2	ESE
20230614 2210	2.5	ESE
20230614 2220	3.1	ESE
20230614 2230	2.8	ESE
20230614 2240	2.5	SE
20230614 2250	2.5	ESE
20230614_2200	2.8	ESE
20230614_2310	2.2	ESE
20230614 2320	2.2	SE
20230614_2320	2.8	ESE
20230614_2340	2.8	ESE
///////////////////////////////////////	2.0	EOE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230615 0000		ESE
20230615_0000 20230615_0010 20230615_0020	2.8 2.8 2.8	SE
20230615_0020	2.8	ESE
20230615_0020	2.8	SE
20230615_0030 20230615_0040	2.8 3.3	SE SE
20230615_0040 20230615_0050	3.6	SE
20230615_0100	2.5	SE
20230615_0110	2.2	SE
20220615_0120	3.1	SE
20230615_0130	2.5	SE
20230615_0140	2.2	SE
20230615 0150 20230615 0200	2.5 2.8	ESE E
20230615_0200	2.5	E
20230615_0220	2.8	SE
20230615_0230 20230615_0240	3.3	SE
20230615_0240	3.3	ESE
20230615 0250	4.4	ESE
20230615_0300	3.3 2.5	SE
20230615_0310 20230615_0320	2.5	ESE ESE
20230615_0320	4.2	SE
20230615_0340	2.8	SE
20230615 0350	2.8	ESE
20230615_0400	2.5	ESE
20230615_0410	3.3	ESE
20230615 0420	3.9	ESE
20230615_0430 20230615_0440	4.7	ESE SE
20230615_0440	2.2	SE
20230615_0500	2.5	SE
20230615_0510	3.1	SE
20230615 0520	4.2	SE
20230615_0530	3.9	SE
20230615_0540	3.9	ESE
20230615 0550 20230615 0600	4.2	ESE SE
20230615_0610	3.9	SE
20230615 0620	4.7	SE
20230615_0630	3.6	ESE
20230615_0640	3.3	ESE
20230615 0650	2.8	ESE
20230615_0700 20230615_0710	3.1 3.3	ESE ESE
20230615_0710	3.9	ESE
20230615 0720	3.3	E
20230615_0740	3.3	E
20230615 0750	3.3	Е
20230615_0800	2.5	-
20230615_0810	3.1 2.8	E
20230615_0820 20230615_0830	2.8	E ENE
20230615_0840	2.5	E
20230615_0850	1.4	ESE
20230615_0900	1.7	E
20230615_0910	1.1	Е
20230615_0920	2.8	E
20230615_0930	1.7	ESE
20230615_0940 20230615_0950	1.4 0.3	ESE
20230615_0950	0.3	S
20230615_1010	0.8	SSE
20230615_1020	0.8	E
20230615 1030	0.8	SE
20230615_1040	0.8	ESE
20230615_1050	1.4	E
20230615 1100 20230615_1110	1.7 1.4	ESE ESE
20230615_1110 20230615_1120	1.4	E
20230615 1130	2.2	E
20230615_1140	3.3	Ē

Date & Time	W7 10 1( ()	W' 1D' ( (D )
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230615_1200 20230615_1210	2.8	E
20230615_1210	2.8	E
20230615_1220	3.1	E
20230615_1230	3.3	E
20230615_1240	2.5	ESE
20230615_1250	2.2	E
20230615_1300	1.7	NNE
20230615_1310	2.2	NE
20230615_1320	1.7	E
20230615_1330 20230615_1340	3.3 2.8	E
20230615_1340 20230615_1350	2.8	ESE
20230615 1400	2.5	ESE
20230615_1410	3.1	E
20230615_1420	3.3	ESE
20230615 1430	3.9	ESE
20230615_1440	3.9	ESE
20230615_1450	3.6	ESE
20230615 1500	2.5	ESE
20230615 1510	2.5	ESE
20230615_1520	1.9	ESE
20230615 1530	2.2	E
20230615_1540	2.5	ESE
20230615_1550	1.7	ESE
20230615 1600	1.1	ESE
20230615_1610	1.7	ESE
20230615_1620	1.7	ESE
20230615 1630	1.7	ESE
20230615_1640	1.4	ESE
20230615_1650	1.7	E
20230615 1700	2.2	ENE
20230615_1710	2.2	E
20230615_1720	2.5	E
20230615 1730	2.2	E
20230615_1740	2.5	E
20230615_1750	2.8	E
20230615 1800	2.8	E
20230615_1810	2.2	E
20230615_1820	2.2	E
20230615 1830 20230615 1840	1.7	E
20230615_1840	1.1 1.4	E E
20230615 1900	1.4	E
20230615 1900	1.7	E
20230615 1920	1.4	ENE
20230615 1930	1.1	ENE
20230615 1940	1.1	ENE
20230615 1950	1.7	E
20230615 2000	1.7	E
20230615_2010	1.7	E
20230615 2020	1.4	E
20230615_2030	1.4	Ē
20230615_2040	0.8	NE
20230615_2050	1.1	ENE
20230615_2100	0.8	NNW
20230615_2110	1.1	NNE
20230615_2120	0.8	Ν
20230615_2130	0.8	-
20230615 2140	2.2	N
20230615_2150	1.7	NNE
20230615 2150 20230615 2150 20230615 2200 20230615 2210 20230615 2220 20230615 2230 20230615 2230	1.7	NNE
20230615 2210 20230615_2220	1.4	NE
20230615_2220	0.3	-
20230615_2230	0.3	-
2020010 2240	0.8	N
20230615_2250	1.7	NNE
20230615_2300	1.9	N
20230615 2310	2.5	NNE
20230615_2320	3.6	N
20230615_2330 20230615_2340	3.3	NNE
20230615 2340	2.8	N
20230615_2350	3.3	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230616_0000	3.3	NNE
20230616_0010	3.9	NNE
20230616_0020	3.3	Ν
20230616 0020	3.3	N
20230616 0030	3.9	N
20230616_0040	4.2	Ν
20230616 0050	3.3	Ν
20230616_0100	3.3	NNE
20230616_0110	2.8	NNE
20230616 0120	2.2	NNE
20230616 0130	1.9	Ν
20230616_0140	2.5	Ν
20230616 0150	2.5 2.2	N
20230616_0200	2.2	NNE
20230616_0210	1.7	Ν
20230616 0220	1.9	N
20230616_0230 20230616_0240	2.2	Ν
20230616 0240	2.8	Ν
20230616 0250 20230616_0300	2.5	N
20230616 0300	2.8	N
20230616_0310	4.2	N
20230616 0320	4.2	Ν
20230616 0330	3.3	N
20230616 0340	2.8	N
20230616 0350	3.6	N
20230616_0400	3.6	N
20230616_0410	3.9	Ν
20230616 0420	4.4	NNE
20230616_0430	3.3	NNE
20230616_0440	1.7	N
20230616 0450	1.4	NNW
20230616_0500	1.1	N
20230616_0510	1.1	N
20230616 0520	1.7	N
20230616_0530	2.5	N
20230616_0540	2.5	N
20230616 0550	3.1	N
20230616_0600	3.3	N
20230616_0610	3.9	NNE
20230616 0620	3.3	N
20230616_0630	3.6	NNE
20230616_0640	3.9	N
20230616 0650	3.6	N
20230616_0700	2.5	N
20230616_0710	2.8	Ň
20230616 0720	3.1	N
20230616_0730	3.9	NNE
20230616 0740	3.9	NNE
20230616_0750	2.5	NNE
20230616_0800	1.7	NE
20230616 0810	0.3	NE
20230616_0820	0.8	N
20230616_0820	1.7	NNE
20230616_0840	2.2	NNE
20230616_0850	1.7	NNE
20230616_0000	1.4	NNE
20230616 0910	1.4	NNE
20230616_0920	1.7	NNE
20230616 0930	2.2	N
20230616 0940	1.1	N
20230616 0950	1.7	N
20230616 1000	1.4	NNE
20230616 1010	1.1	NNE
20230616_1020	0	N
20230616_1020	0.3	SSE
20230616 1050	0.5	N
20230616_1040	0	N
20230616 1100	0.3	E
20230616 1100	0.3	SE
20230616_1110	0.5	N
20230616 1130	0.8	N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230616_1200	2.5	N
20230616_1210	2.2	Ν
20230616_1220	2.2	Ν
20230616_1230	2.2	N
20230616_1240	1.4	N
20230616_1250	1.7	N
20230616 1300	2.5	N
20230616_1310	2.5	N
20230616 1320	1.7	N
20230616_1330	2.2	N
20230616_1340	2.8	NNE
20230616 1350	2.8	N
20230616 1400	3.1	N
20230616 1410	3.3	N
		N
20230616_1420	3.1	
20230616 1430	2.8	NNE
20230616 1440	3.6	NNE
20230616 1450	3.9	NNE
20230616_1500	3.3	NNE
20230616_1510	3.9	NNE
20230616_1520	3.3	NNE
20230616 1530	2.5	NNE
20230616_1540	1.7	NE
20230616 1550	1.9	NNE
20230616 1600	1.4	NE
20230616_1610	1.4	SE
20230616_1620	0.8	-
20230616 1630	0.6	NE
20230616_1640	0.8	-
20220616_1650		
20230616_1650	0.8	E
20230616 1700	0.3	-
20230616_1710	0.3	NE
20230616_1720	1.1	N
20230616 1730	2.8	NNE
20230616 1750	2.0	NNE
	3.3	
20230616_1750	2.8	NNE
20230616 1800	1.9	NNE
20230616 1810	1.7	NNE
20230616 1820	2.5	NE
	2.5	NE
20230616 1830	2.5	
20230616_1840	2.2	NE
20230616_1850	0.8	NE
20230616 1900	0.3	E
20230616 1910	0.3	WNW
20230616_1920	0.3	
		-
20230616 1930	2.2	NNE
20230616_1940	3.1	NNE
20230616_1950	2.8	NNE
20230616 2000	3.3	NNE
20230616_2010	1.7	NE
20230616 2020	2.2	
20230616_2020		NE
20230616_2030	2.2	NE
20230616_2040	3.1	NE
20230616_2050	3.1	NNE
20230616_2100	3.3	NE
	2.2	
		NE
20230616_2120	2.8	NNE
20230616_2130	2.2	NNE
20230616 2140	1.4	ENE
20230616 2150	0.3	ESE
20230616_2130	0.5	S
20230616 2210	0.6	S
20230616_2220	0.3	SW
20230616 2230	0.8	NNW
20230616 2240	0.8	
20230616 2240		SSW
	0.3	-
		SE
20230616_2300	0.3	
20230616_2300		
20230616_2300 20230616_2310	0.3	SSW
20230616_2300 20230616_2310 20230616_2320	0.3 0.3	SSW -
20230616_2300 20230616_2310	0.3	

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230617 0000	0.3	SW
20230617_0010	0.3	-
20230617_0020	0	Ν
20230617_0030	0.3	NE
20230617_0040	0.3	SSE
20230617_0050	0	N
20230617 0100 20230617 0110 20230617 0120 20230617 0130 20230617 0130	0.3	SE
20230617_0110	0.3	SE
20230617_0120 20230617_0130	0.3	SSE
20230617_0130	0.3	SE
20230617_0130 20230617_0140 20230617_0150 20230617_0200	0.5	N
20230617 0200	0	N
20230617 0210	0.3	SE
20230617_0220	0.3	SE
20230617 0230	0	N
20230617_0240 20230617_0250	0	N
20230617_0250	0.3	SE
20230617_0300 20230617_0310	0.3	SSE
20230617_0310 20230617_0320	0	N N
20230617_0320	0	N
20230617_0330	0	N
20230617_0350	0.3	SSE
20230617_0400	0.3	-
20230617_0410	0	N
20230617_0420	0	Ν
20230617 0430	0	Ν
20230617_0440	0	N
20230617_0450	0	N
20230617 0500	0	N
20230617_0510	0	N
20230617_0520 20230617_0530	0	N N
20230617_0530	0	N
20230617_0550	0	N
20230617_0550	0	N
20230617_0610	0	N
20230617_0620	0.3	SSE
20230617 0630	0.3	SSE
20230617_0640	0	N
20230617_0650	0	N
20230617 0700	0	N
20230617_0710	0	N N
20230617_0720 20230617_0730	0	
20230617_0730	0	N N
20230617_0740	0	N
20230617_0750	0.3	N
20230617 0810	0.3	NE
20230617_0820	0.3	-
20230617_0830	1.1	NNW
20230617_0840	0.8	ENE
20230617_0850	0.3	N
20230617_0900	0.3	N
20230617_0910 20230617_0920	0.8 2.2	N N
20230617_0920	2.2	NNE
20230617_0940	2.5	N
20230617_0940	2.2	NE
20230617 1000	2.2	NNE
20230617 1010	2.2	NNE
20230617_1020	2.2	NNW
20230617_1030	1.9	N
20230617 1040	2.2	N
20230617_1050	2.5	N
20230617_1100	3.3	NNE
20230617 1110	3.3	NNE
20230617_1120	2.8	NNE
20230617 1130		
20230617_1130 20230617_1140	1.7 2.2	N N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230617_1200	2.5	NNE
20230617_1210	1.7	NNW
20230617 1220	1.7	NW
20230617_1230	1.4	NNE
20230617_1230	1.4	NNW
	1.1	
	1.1	NNE
20230617_1300	1.4	N
20230617_1310	1.1	SE
20230617 1320	1.4	S
20230617 1330	1.1	-
20230617 1340	1.4	WNW
20230617_1350	1.1	SW
20230617 1400	1.7	SW
20230617_1410	1.7	SW
20230617_1420	1.4	SW
20230617 1430	0.8	WSW
20230617 1440	1.7	S
20230617 1450	1.7	SW
20230617_1450		SSW
	1.7	
20230617_1510	1.4	SW
20230617_1520	1.1	SW
20230617 1530	0.8	-
20230617_1540	2.5	Е
20230617_1550	2.5	E
20230617 1600	2.8	E
20230617_1610	3.3	E
	2.8	E
20230617 1630	2.8	E
20230617_1640	3.1	E
20230617_1650	3.3	E
20230617 1700	2.5	Е
20230617 1710	2.8	ESE
20230617 1720	3.3	ESE
20230617 1730	2.8	ESE
20230617 1750	2.5	ESE
20230617_1750	1.7	
		E
20230617 1800	2.8	ESE
20230617_1810	3.1	ESE
20230617_1820	2.8	ESE
20230617_1820 20230617_1830	3,3	ESE
20230617_1840	2.8	ESE
20230617 1850	2.8	ESE
20230617 1900	2.8	ESE
	2.8	
20230617_1910		E
20230617_1920	2.8	E
20230617 1930	2.2	E
20230617_1940	2.5	ESE
20230617_1950	2.2	ESE
20230617 2000	1.9	ESE
20230617 2010	2.2	ESE
20230617_2010	2.2	ESE
	2.3	ESE
20230617_2030		
20230617_2040	2.2	ESE
20230617_2050	2.5	ESE
20230617_2100	1.4	ESE
20230617 2110	1.1	SE
20230617 2120	1.4	ESE
20230617_2130	1.4	SE
20230617_2150	1.4	SE
20230617_2150	1.7	SE
20230617_2200	1.9	SE
20230617 2210	1.7	SE
20230617_2220	1.7	ESE
20230617_2230	1.4	SE
20230617 2240	1.7	ESE
20230617_2250	1.7	ESE
20230617 2300	1.7	SE
20230617 2310	1.4	ESE
20230617_2320	1.4	ESE
20230617_2330	1.7	ESE
20230617 2340	1.1	ENE
20230617_2350	0.8	NW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230618 0000	0.3	NW
20230618 0010	0.3	NNW
20230618_0020	0.3	-
20230618 0030	0.3	NNW
20230618 0040	0.3	E
20230618_0050	1.1	ESE
20230618_0100	1.1	ESE
20230618_0110	0.8	ESE
20230618_0120	0.3	ESE
20230618 0130 20230618_0140	1.1	ESE
20230618_0140	1.4	E
20230618_0150 20230618_0200	2.5	ESE
20230618 0200 20230618_0210	1.9	
20230618_0220	2.2	E
20230618_0220	1.9	E
20230618 0250	1.7	E
20230618_0250	1.7	ESE
20230618 0300	1.7	ESE
20230618_0310	1.7	SE
20230618_0320	1.7	SE
20230618 0330	1.4	SE
20230618 0340	1.1	ESE
20230618_0350	1.4	ESE
20230618 0400	1.4	ESE
20230618_0410	1.4	SE
20230618_0420	1.1	SE
20230618 0430	0.8	ESE
20230618_0440	0.8	ESE
20230618_0450	0.8	ESE
20230618 0500 20230618 0510	1.1	ESE
20230618_0510 20230618_0520	0.8	SE SE
20230618_0520	0.8	SE
20230618 0550	1.1	SE
20230618_0540	1.1	SSE
20230618 0600	1.1	SSE
20230618 0610	0.8	S
20230618 0620	0.6	SSE
20230618 0630	0.8	SSE
20230618_0640	0.8	SSE
20230618_0650	0.8	SSE
20230618 0700	0.3	-
20230618_0710	0.8	SSE
20230618_0720	0.8	SSE
20230618 0730	0.8	S
20230618_0740	0.8	SE
20230618_0750	1.4	ENE
20230618 0800 20230618 0810	2.2 2.8	E
20230618_0820	2.8	E
20230618_0830	3.3	ESE
20230618_0840	1.7	E
20230618_0850	3.1	ENE
20230618_0900	2.8	ESE
20230618_0910	3.9	ESE
20230618_0920	3.3 3.3	ESE ESE
20230618_0930	3.3	ESE
20230618_0940 20230618_0950	3.6	ESE
20230618_0950	3.9	E
20230618_1000	3.3	E
20230618 1010	3.1	E
20230618_1020	4.2	E
20230618_1030	3.3 3.3	E
20230618 1040		E
20230618_1050 20230618_1100	3.9 3.1	E
		ESE
20230618 1110 20230618_1120	4.2 3.3	E
20230618_1120 20230618_1130	3.6	E
20230618_1150	3.3	ESE
20230618_1140	3.6	ENE
20250010_1150	5.0	LINE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230618 1200	3.9	Е
20230618 1210	4.2	Ē
20230618_1220	3.3	E
20230018_1220	3.5	
20230618_1230		ESE
20230618_1240	3.3	ESE
20230618_1250	3.6	Е
20230618_1300	2.8	Е
20230618_1310	2.8	ENE
20230018_1310		EINE
20230618_1320	2.5	-
20230618 1330	2.8	SE
20230618_1340	2.5	ESE
20230618_1350	2.8	Е
20230618 1400	2.8	ESE
20230018 1400	2.0	ESE
20230618_1410	2.8	ESE
20230618_1420	2.8	SE
20230618 1430	2.5	SE
20230618 1440	2.2	ESE
20230618_1450	2.2	E
20230618 1500	1.9	SE
20230618_1510	2.2	ESE
20230618 1520	2.5	SE
20230618 1530	2.2	ESE
20230618_1540	2.2	E
20230618_1550	2.5	E
20230618 1600	2.5	E
20230618_1610	3.1	Е
20230618 1620	2.5	Ē
		ESE
20230618 1630	2.8	
20230618_1640	2.5	ESE
20230618 1650	2.5	E
20230618 1700	2.5	E
20230618 1710	2.2	Ē
	1.7	E
20230618 1730	1.9	ESE
20230618 1740	1.7	ESE
20230618_1750	1.7	SE
20230618 1800	2.8	ESE
20230618_1810	1.9	E
20230618_1820	2.5	E
20230618 1830	1.9	ESE
20230618 1840	1.4	ESE
20230618 1850	1.9	ESE
20230618 1900	1.4	E
20230618_1910	1.1	ESE
20230618_1920	0.8	ESE
20230618 1930	0.8	ESE
		NE
	0.6	
20230618_1950	1.4	ENE
20230618 2000	1.4	ENE
20230618_2010	1.1	E
20230618_2020	1.1	Ē
20230618_2030	1.1	Ē
20230618_2040	0.8	SE
20230618_2050	0.8	SE
20230618_2100	1.1	ESE
20230618 2110		-
20230618_2110	0.3	-
20230618_2120	0.3	- N
20230618_2120 20230618_2130	0.3 0 0.3	- N NE
20230618_2120 20230618_2130 20230618_2140	0.3 0 0.3 0.3	- N NE ENE
20230618_2120 20230618_2130 20230618_2140	0.3 0 0.3	- N NE ENE
20230618_2120 20230618_2130 20230618_2140 20230618_2150	0.3 0 0.3 0.3 0.3	N NE ENE SSE
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 22200	0.3 0 0.3 0.3 0.3 0 0	N NE ENE SSE N
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2210	0.3 0 0.3 0.3 0.3 0 0 0 0	N NE ENE SSE N N
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2210 20230618 2210	0.3 0.3 0.3 0.3 0.3 0 0 0 0 0 0 0.3	N NE ENE SSE N N NW
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2210 20230618 2210	0.3 0 0.3 0.3 0.3 0 0 0 0	N NE ENE SSE N N
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2210 20230618 2210 20230618 2220 20230618 2220	0.3 0 0.3 0.3 0.3 0 0 0 0 0 0.3 0.8	N NE ENE SSE N N NW NE
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2210 20230618 2210 20230618 2220 20230618 2220 20230618 2240	0.3 0 0.3 0.3 0 0 0 0 0 0.3 0.8 0 0	N NE ENE SSE N N NW NW NE N
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2200 20230618 2220 20230618 2220 20230618 2220 20230618 2220	0.3 0 0.3 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0	N NE ENE SSE N N NW NE N N N N
20230618 2120 20230618 2130 20230618 2140 20230618 2140 20230618 2210 20230618 2200 20230618 2220 20230618 2220 20230618 2230 20230618 2250 20230618 2250	0.3 0 0.3 0.3 0 0 0 0 0 0.3 0.8 0 0 0 0 0 0 0 0 0 0 0	N NE ENE SSE N N NW NW NE N N N N
20230618 2120 20230618 2130 20230618 2140 20230618 2140 20230618 2200 20230618 2200 20230618 2220 20230618 2220 20230618 2220 20230618 2240 20230618 2250 20230618 2250 20230618 2310	$\begin{array}{c} 0.3 \\ 0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N NE ENE SSE N N NW NE N N N N N N
20230618 2120 20230618 2130 20230618 2140 20230618 2140 20230618 2200 20230618 2200 20230618 2220 20230618 2220 20230618 2220 20230618 2240 20230618 2250 20230618 2250 20230618 2310	0.3 0 0.3 0.3 0 0 0 0 0 0.3 0.8 0 0 0 0 0 0 0 0 0 0 0	N NE ENE SSE N N NW NE N N N N N N
20230618 2120 20230618 2130 20230618 2140 20230618 2140 20230618 2200 20230618 2200 20230618 2220 20230618 2220 20230618 2220 20230618 2240 20230618 2250 20230618 2250 20230618 2310	$\begin{array}{c} 0.3 \\ 0 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N NE ENE SSE N N N NE N N N N N N N N N
20230618 2120 20230618 2130 20230618 2140 20230618 2150 20230618 2200 20230618 2210 20230618 2220 20230618 2220 20230618 2230 20230618 2250 20230618 2300 20230618 2310	$\begin{array}{c} 0.3 \\ 0 \\ 0.3 \\ 0.3 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0.3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	N NE ENE SSE N N NW NE N N N N N N

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230619 0000	0.3	SW
20230619_0000	0.5	N
20230619_0020	0	N
20230619_0030	0.3	ESE
20230619 0040	0.3	SSE
20230619_0050	0	N
20230619_0100	1.1	Е
20230619_0110	0.3	ESE
20230619_0120	0.3	SSE
20230619 0130 20230619 0140	0.3 0.3	- ENE
20230619_0140	0.3	ENE
20230619 0200	0.8	ENE
20230619 0210	0.8	E
20230619_0220	0.6	-
20230619 0230	0.3	E
20230619_0240	1.1	E
20230619_0250 20230619_0300	0.8	E
20230619 0300 20230619_0310	1.1 0.8	E
20230619_0320	0.8	ENE
20230619 0330	0.8	ENE
20230619_0340	0.8	ENE
20230619 0350	0.8	ESE
20230619 0400	0.3	ESE
20230619_0410	0.8	E
20230619_0420 20230619_0430	1.1	SE SSE
20230619 0430 20230619 0440	1.1	SE
20230619_0440	0.3	SSE
20230619_0150	0.3	SW
20230619_0510	0.3	SW
20230619_0520	0	N
20230619 0530	0	N
20230619_0540	0	N
20230619_0550	0	N
20230619 0600 20230619_0610	0.3	N S
20230619_0620	0.6	S
20230619_0620	0.3	SSE
20230619 0640	0.3	S
20230619_0650	0.3	SE
20230619 0700	0.3	SE
20230619_0710	1.1	SE
20230619_0720 20230619_0730	1.4	SE
20230619 0730 20230619_0740	1.1	<u>SE</u>
20230619 0750	1.4	SE
20230619 0800	1.4	SE
20230619_0810	1.4	SE
20230619_0820	0.8	ESE
20230619_0830	0.8	SE
20230619_0840	0.8	SSE
20230619_0850 20230619_0900	1.1 0.8	S NE
20230619_0900	0.8	INE
20230619_0910	0.5	S
20230619_0930	0.3	S
20230619_0940	0.8	NE
20230619_0950	0.8	-
20230619_1000	0.8	WNW
20230619 1010	0.8	WSW
20230619_1020 20230619_1030	0.3 0.8	SSE E
20230619_1030	0.8	NNE
20230619_1040	0.5	SSE
20230619_1050	1.1	SE
20230619 1110	0.8	S
20230619_1120	1.7	SE
20230619_1130	1.7	SE
20230619 1140	1.7	E
20230619_1150	1.4	E

20230619         120         1.7         FSE           20230619         1230         1.9         ENE           20230619         1230         1.9         ENE           20230619         1250         2.2         ENE           20230619         1300         1.4         E           20230619         1300         1.4         ENE           20230619         1310         2.2         ESE           20230619         1300         1.4         ENE           20230619         1300         1.1         N           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         2.8         ESE           20230619         1500         2.5         E           20230619         1510         2.5         ESE           20230619         1510         2.5         ESE           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E </th <th>Date &amp; Time YYYYMMBB HHMM)</th> <th>Wind Speed (m/s)</th> <th>Wind Direction (From)</th>	Date & Time YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230619         1220         1.7         ESE           20230619         1230         1.9         ENE           20230619         1240         2.2         ENE           20230619         1300         1.4         E           20230619         1300         1.4         E           20230619         1300         1.4         ENE           20230619         1300         1.4         ENE           20230619         1300         1.1         N           20230619         1300         1.7         -           20230619         1400         0.8         SSW           20230619         1400         1.7         E           20230619         140         1.7         SE           20230619         140         2.8         E           20230619         140         2.5         E           20230619         150         2.5         E           20230619         150         2.5         E           20230619         150         3.3         E           20230619         150         3.3         E           20230619         160         3.3         E <t< td=""><td>20230619_1200</td><td></td><td>ENE</td></t<>	20230619_1200		ENE
20230619         1230         1.9         ENE           20230619         1250         2.2         ENE           20230619         1250         2.2         ENE           20230619         1300         1.4         E           20230619         1300         1.4         ENE           20230619         1330         1.1         N           20230619         1350         2.2         ESE           20230619         1400         0.8         SSW           20230619         1400         0.7         FE           20230619         1400         0.8         SSW           20230619         1400         2.8         EE           20230619         1400         2.5         E           20230619         1500         2.5         ESE           20230619         1500         2.5         ESE           20230619         1500         3.3         E	20230619_1210		
20230619         1240         2.2         ENE           20230619         1300         1.4         E           20230619         1300         1.4         E           20230619         1300         1.4         ENE           20230619         1320         1.1         N           20230619         1330         1.1         N           20230619         1340         1.7         -           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         2.8         ESE           20230619         1400         2.8         ESE           20230619         1500         2.5         E           20230619         1500         2.5         E           20230619         1500         3.3         E           20230619         1600         3.3         E	20230619_1220		ESE
20230619         1240         2.2         ENE           20230619         1300         1.4         E           20230619         1300         1.4         E           20230619         1300         1.4         ENE           20230619         1320         1.1         N           20230619         1330         1.1         N           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         2.8         ESE           20230619         1400         2.8         ESE           20230619         1400         2.8         ESE           20230619         1500         2.5         E           20230619         1500         2.5         E           20230619         1500         3.3         E           20230619         1600         3.3         E <td>20230619 1230</td> <td>1.9</td> <td>ENE</td>	20230619 1230	1.9	ENE
20230619         1250         2.2         ENE           20230619         1300         1.4         E           20230619         1310         2.2         ESE           20230619         1320         1.4         ENE           20230619         1320         1.1         N           20230619         1300         1.1         N           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         2.8         EE           20230619         1400         2.8         E           20230619         1400         2.5         E           20230619         1500         2.5         ESE           20230619         1500         2.5         ESE           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1600         3.3         E           20230619         1600         3.3         E </td <td>20230619 1240</td> <td>2.2</td> <td>ENE</td>	20230619 1240	2.2	ENE
20230619         1300         1.4         E           20230619         1320         1.4         ENE           20230619         1330         1.1         N           20230619         1330         1.1         N           20230619         1340         1.7         -           20230619         1400         0.8         SSW           20230619         1410         1.7         E           20230619         1420         2.8         ESE           20230619         1420         2.8         ESE           20230619         1400         2.8         ESE           20230619         1500         2.5         E           20230619         1500         2.5         ESE           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1610         3.3         ESE <td>20230619 1250</td> <td>2.2</td> <td>ENE</td>	20230619 1250	2.2	ENE
20230619         1310         2.2         ESE           20230619         1330         1.1         N           20230619         1330         1.1         N           20230619         1330         1.1         N           20230619         1350         2.2         ENE           20230619         1400         0.8         SSW           20230619         1420         1.7         E           20230619         1430         2.8         EE           20230619         1440         2.8         E           20230619         1510         2.5         E           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1500         3.3         E           20230619         1600         3.3         E	20230619_1300	14	
20230619         1320         1.4         ENE           20230619         1340         1.1         N           20230619         1350         2.2         ENE           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1430         2.8         ESE           20230619         1430         2.8         E           20230619         1500         2.5         E           20230619         1500         2.5         ESE           20230619         1500         2.5         ESE           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1600         3.3         E           20230619         1600         3.3         E           20230619         1600         2.3         ESE           20230619         1600         2.8         ESE	20230619_1310		
20230619         1330         1.1         N           20230619         1400         1.7         -           20230619         1400         0.8         SSW           20230619         1400         0.8         SSW           20230619         1400         1.7         E           20230619         1400         1.7         SE           20230619         1400         2.8         ESE           20230619         1400         2.8         EE           20230619         1500         2.5         E           20230619         1500         2.5         ESE           20230619         1500         2.5         ESE           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1600         3.1         E           20230619         1600         3.3         E           20230619         1600         3.3         E           20230619         1600         2.8         ESE           20230619         1700         2.8         ESE     <	20230619_1320		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	20230610_1320		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			19
20230619         1400         0.8         SSW           20230619         1410         1.7         E           20230619         1420         1.7         SE           20230619         1430         2.8         ESE           20230619         1440         2.8         E           20230619         1500         2.5         E           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1520         3.3         E           20230619         1500         3.3         E           20230619         1500         3.3         E           20230619         1600         2.8         ESE           20230619         1600         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE </td <td>20230019_1340</td> <td></td> <td>ENE</td>	20230019_1340		ENE
20230619         1410         1.7         E           20230619         1430         2.8         ESE           20230619         1430         2.8         ESE           20230619         1440         2.8         E           20230619         1500         2.5         E           20230619         1500         2.5         E           20230619         1500         2.5         ESE           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1500         3.3         E           20230619         1600         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E      <			
20230619         1420         1.7         SE           20230619         1440         2.8         ESE           20230619         1440         2.8         E           20230619         1450         2.5         E           20230619         150         2.5         E           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1540         3.3         E           20230619         1540         3.3         E           20230619         1600         3.3         E           20230619         1600         3.3         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1700         2.8         ESE           20230619         1810         2.5         ESE     <			
20230619         1430         2.8         ESE           20230619         1440         2.8         E           20230619         1500         2.5         E           20230619         1510         2.5         ESE           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1540         3.3         E           20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1600         3.3         E           20230619         1640         3.9         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1810         2.5         ESE	20230619_1410		
20230619         1440         2.8         E           20230619         1500         2.5         E           20230619         1500         2.5         E           20230619         1510         2.5         E           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1530         3.3         E           20230619         1540         3.3         E           20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1620         3.1         E           20230619         1620         3.3         E           20230619         1620         3.3         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E <tr< td=""><td>20230619_1420</td><td></td><td></td></tr<>	20230619_1420		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			
20230619         1500         2.5         E           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1530         3.3         E           20230619         1550         3.3         E           20230619         1610         3.1         E           20230619         1600         3.3         E           20230619         1620         3.1         E           20230619         1640         3.9         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.5         E           20230619         1810         2.5         E           20230619         1810         2.5         E <tr< td=""><td>20230619_1440</td><td></td><td></td></tr<>	20230619_1440		
20230619         1500         2.5         E           20230619         1510         2.5         ESE           20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1530         3.3         E           20230619         1550         3.3         E           20230619         1610         3.1         E           20230619         1600         3.3         E           20230619         1620         3.1         E           20230619         1640         3.9         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.5         E           20230619         1810         2.5         E           20230619         1810         2.5         E <tr< td=""><td>20230619_1450</td><td></td><td>Е</td></tr<>	20230619_1450		Е
20230619         1510         2.5         ESE           20230619         1530         3.1         E           20230619         1540         3.3         E           20230619         1540         3.3         E           20230619         1550         3.3         E           20230619         1600         3.3         E           20230619         1600         3.1         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1810         2.5         ESE           20230619         1810         2.5         ESE           20230619         1840         2.5         ESE	20230619 1500	2.5	E
20230619         1520         3.1         E           20230619         1530         3.3         E           20230619         1540         3.3         E           20230619         1550         3.3         E           20230619         1500         3.3         E           20230619         1610         3.1         E           20230619         1610         3.1         E           20230619         1620         3.1         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1810         2.5         E           20230619         1820         3.1         E           20230619         1830         2.5         ESE      <			ESE
20230619         1530         3.3         E           20230619         1550         3.3         E           20230619         1550         3.3         E           20230619         1600         3.3         E           20230619         1600         3.3         E           20230619         1600         3.1         E           20230619         1620         3.1         E           20230619         1620         3.1         E           20230619         1620         3.3         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1800         2.5         E           20230619         1800         2.5         E           20230619         1800         2.5         E      <	20230619 1520		
20230619         1540         3.3         E           20230619         1500         3.3         E           20230619         1600         3.3         E           20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1650         3.3         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1740         2.8         E           20230619         1750         2.5         ESE           20230619         1810         2.5         ESE           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1840         2.5         SESE           20230619         1900         1.7         E	20230619 1530		
20230619         1550         3.3         E           20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1620         3.1         E           20230619         1620         3.1         E           20230619         1620         3.1         E           20230619         1620         3.3         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1800         2.5         E           20230619         1800         2.5         E           20230619         1800         3.1         ESE <tr< td=""><td></td><td></td><td></td></tr<>			
20230619         1600         3.3         E           20230619         1610         3.1         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1630         3.3         E           20230619         1650         3.3         ESE           20230619         1700         2.8         ESE           20230619         1710         2.8         ESE           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1810         2.5         E           20230619         1810         2.5         E           20230619         1840         2.5         E           20230619         1840         2.5         E           20230619         1840         2.5         S           20230619         1900         3.1         E      <			
20230619         1610         3.1         E           20230619         1630         3.3         E           20230619         1640         3.9         E           20230619         1640         3.9         E           20230619         1640         3.9         E           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1730         2.2         E           20230619         1730         2.2         E           20230619         1750         2.5         E           20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1820         3.1         E           20230619         1830         2.5         ESE           20230619         1840         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         SE           20230619         1900         2.5         SE     <			
20230619         1620         3.1         E           20230619         1630         3.3         E           20230619         1640         3.9         E           20230619         1650         3.3         ESE           20230619         1760         2.8         ESE           20230619         1710         2.8         ESE           20230619         1710         2.8         ESE           20230619         1720         2.8         E           20230619         1740         2.8         E           20230619         1740         2.8         E           20230619         1800         2.5         E           20230619         1800         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1900         3.1         SE	20230610 1610		
20230619         1630         3.3         E           20230619         1640         3.9         E           20230619         1650         3.3         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         E           20230619         1700         2.8         E           20230619         1730         2.2         E           20230619         1750         2.5         E           20230619         1810         2.5         ESE           20230619         1830         2.5         E           20230619         1830         2.5         ESE           20230619         1840         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         SE           20230619         1900         2.5         SE           20230619         1900         2.5         SE	20230019_1010		
20230619         1640         3.9         E           20230619         1650         3.3         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1700         2.8         ESE           20230619         1720         2.8         E           20230619         1730         2.2         E           20230619         1740         2.8         E           20230619         1800         2.8         ESE           20230619         1800         2.5         E           20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1800         2.5         ESE           20230619         1800         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1910         1.7         SE           20230619         1910         2.5         SE           20230619         1920         2.5         SE <td></td> <td></td> <td></td>			
20230619         1650         3.3         ESE           20230619         1700         2.8         ESE           20230619         1710         2.8         ESE           20230619         1720         2.8         ESE           20230619         1720         2.8         E           20230619         1720         2.8         E           20230619         1740         2.8         E           20230619         1750         2.5         E           20230619         1810         2.5         ESE           20230619         1810         2.5         ESE           20230619         1830         2.5         E           20230619         1840         2.5         ESE           20230619         1840         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1900         2.5         SE           20230619         1900         2.5         SE           20230619         1900         2.5         SE <td>20230619 1630</td> <td></td> <td></td>	20230619 1630		
20230619         1700         2.8         ESE           20230619         1710         2.8         ESE           20230619         1720         2.8         E           20230619         1730         2.2         E           20230619         1730         2.2         E           20230619         1730         2.2         E           20230619         1740         2.8         E           20230619         1810         2.5         E           20230619         1810         2.5         E           20230619         1820         3.1         E           20230619         1840         2.5         ESE           20230619         1840         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1920         1.7         SE           20230619         1930         2.2         SE           20230619         2000         3.1         SE           20230619         2000         3.1         SE           20230619         2000         3.1         SE			
20230619         1710         2.8         ESE           20230619         1730         2.2         E           20230619         1740         2.8         E           20230619         1740         2.8         E           20230619         1740         2.8         E           20230619         1740         2.8         E           20230619         1800         2.8         ESE           20230619         1800         2.8         ESE           20230619         1800         2.5         E           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1800         2.5         ESE           20230619         170         1.7         E           20230619         1900         3.1         ESE           20230619         1910         1.7         F           20230619         1900         2.2         SE           20230619         1900         3.1         SE           20230619         1900         3.1         SE           20230619         2010         2.8         SE			
20230619         1720         2.8         E           20230619         1730         2.2         E           20230619         1740         2.8         E           20230619         1750         2.5         E           20230619         1750         2.5         E           20230619         1800         2.8         ESE           20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1840         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1920         1.7         SE           20230619         1940         2.5         SE           20230619         1940         2.5         SE           20230619         2010         2.5         SE           20230619         2010         2.5         SE           20230619         2010         2.5         SE	20230619 1700		
20230619         1730         2.2         E           20230619         1740         2.8         E           20230619         1750         2.5         E           20230619         1750         2.5         E           20230619         1800         2.8         ESE           20230619         1800         2.5         ESE           20230619         1820         3.1         E           20230619         1830         2.5         ESE           20230619         1840         2.5         ESE           20230619         1940         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1920         1.7         SE           20230619         1920         1.7         SE           20230619         1920         3.1         SE           20230619         1940         2.5         SE           20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2030         2.5         SE	20230619_1710	2.8	ESE
20230619         1740         2.8         E           20230619         1750         2.5         E           20230619         1800         2.8         ESE           20230619         1810         2.5         ESE           20230619         1810         2.5         ESE           20230619         1830         2.5         E           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1920         1.7         SE           20230619         1940         2.5         SE           20230619         1940         2.5         SE           20230619         2010         2.3         SE           20230619         2020         3.1         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE	20230619 1720	2.8	E
20230619         1740         2.8         E           20230619         1750         2.5         E           20230619         1800         2.8         ESE           20230619         1810         2.5         ESE           20230619         1810         2.5         ESE           20230619         1830         2.5         E           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1920         1.7         SE           20230619         1940         2.5         SE           20230619         1940         2.5         SE           20230619         2010         2.3         SE           20230619         2020         3.1         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE	20230619 1730	2.2	E
20230619         1750         2.5         E           20230619         1800         2.8         ESE           20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1820         3.1         E           20230619         1830         2.5         E           20230619         1840         2.5         ESE           20230619         1800         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1900         2.2         SE           20230619         1930         2.2         SE           20230619         1900         3.1         SE           20230619         1900         3.1         SE           20230619         2000         2.5         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         3.3         SE			
20230619         1800         2.8         ESE           20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1830         2.5         E           20230619         1830         2.5         ESE           20230619         1830         2.5         ESE           20230619         1850         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1910         1.7         E           20230619         1920         1.7         SE           20230619         1940         2.5         SE           20230619         1950         3.1         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2000         3.3         SE           20230619         2000         3.3         SE           20230619         2100         3.3         SE <td></td> <td></td> <td></td>			
20230619         1810         2.5         ESE           20230619         1820         3.1         E           20230619         1830         2.5         E           20230619         1840         2.5         ESE           20230619         1830         2.5         ESE           20230619         1800         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1920         1.7         SE           20230619         1940         2.5         SE           20230619         1940         2.5         SE           20230619         2010         2.5         SE           20230619         2010         2.5         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE <td></td> <td></td> <td></td>			
20230619         B20         3.1         E           20230619         1830         2.5         E           20230619         1840         2.5         ESE           20230619         1850         2.5         ESE           20230619         1850         2.5         ESE           20230619         1910         1.7         E           20230619         1910         1.7         SE           20230619         1920         2.7         SE           20230619         1920         2.7         SE           20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE			
20230619         1830         2.5         E           20230619         1840         2.5         ESE           20230619         1850         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         1.7         E           20230619         1920         1.7         SE           20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         2010         2.5         SE           20230619         2010         2.8         SE           20230619         2020         3.1         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE           20230619         2020         3.3         SE           20230619         2100         3.3         SE           20230619         210         1.9         SE           20230619         210         2.5         SE			
20230619         1840         2.5         ESE           20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1900         3.1         ESE           20230619         1910         1.7         E           20230619         1930         2.2         SE           20230619         1930         2.2         SE           20230619         1930         2.5         SE           20230619         1950         3.1         SE           20230619         2000         3.1         SE           20230619         2020         2.2         SE           20230619         2020         2.5         SE           20230619         2020         2.5         SE           20230619         2020         3.3         SE           20230619         2010         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE           20230619         2100         2.5         SE           20230619         2100         2.5         SE			
20230619         1850         2.5         ESE           20230619         1900         3.1         ESE           20230619         1910         1.7         E           20230619         1920         1.7         SE           20230619         1920         1.7         SE           20230619         1940         2.2         SE           20230619         1940         2.5         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2030         2.2         SE           20230619         2030         2.5         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         210         2.5         SE           20230619         210         2.5         SE			
20230619         1900         3.1         ESE           20230619         1910         1.7         E           20230619         1920         1.7         SE           20230619         1930         2.2         SE           20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         2000         3.1         SE           20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         2.5         SE           20230619         2010         2.5         SE           20230619         2010         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         1.9         SE           20230619         210         2.5         SE           20230619         210         2.5         SE     <			
20230619         1910         1.7         E           20230619         1920         1.7         SE           20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         1940         2.5         SE           20230619         2000         3.1         SE           20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2030         2.5         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         1.9         SE           20230619         2100         1.9         SE           20230619         2100         2.5         SE           20230619         2100         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE			
20230619         1920         1.7         SE           20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         1950         3.1         SE           20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2020         2.2         SE           20230619         2020         2.5         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         210         2.2         SE           20230619         210         2.2         SE           20230619         210         2.5         SE           20230619         2150         2.2         SE           20230619         2150         2.2         SE </td <td></td> <td></td> <td></td>			
20230619         1930         2.2         SE           20230619         1940         2.5         SE           20230619         1950         3.1         SE           20230619         2000         3.1         SE           20230619         2000         3.1         SE           20230619         2000         2.8         SE           20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2030         2.5         SE           20230619         2000         3.1         SE           20230619         2000         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2100         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         2.5         SE			
20230619         1940         2.5         SE           20230619         1950         3.1         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2040         3.1         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         210         2.2         SE           20230619         210         2.5         SE           20230619         210         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         210         2.5         SE           20230619         210         2.5         ESE     <			
20230619         1940         2.5         SE           20230619         1950         3.1         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2040         3.1         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         210         2.2         SE           20230619         210         2.5         SE           20230619         210         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         210         2.5         SE           20230619         210         2.5         ESE     <			
20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2130         2.2         SE           20230619         2130         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         210         2.5         ESE	20230619_1940	2.5	SE
20230619         2000         3.1         SE           20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2100         2.2         SE           20230619         2130         2.2         SE           20230619         2130         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         210         2.5         ESE	20230619 1950	3.1	SE
20230619         2010         2.8         SE           20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2040         3.1         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         2130         2.2         SE           20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         210         2.5         ESE		3.1	
20230619         2020         2.2         SE           20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2040         3.1         SE           20230619         2050         3.3         SE           20230619         2100         3.3         SE           20230619         210         2.2         SE           20230619         210         2.2         SE           20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         2100         2.5         ESE			
20230619         2030         2.5         SE           20230619         2040         3.1         SE           20230619         2050         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         1.9         SE           20230619         2120         1.9         SE           20230619         2130         2.2         SE           20230619         2130         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         2210         2.5         ESE			
20230619         2040         3.1         SE           20230619         2050         3.3         SE           20230619         2100         3.3         SE           20230619         2100         3.3         SE           20230619         2100         2.2         SE           20230619         210         1.9         SE           20230619         2130         2.2         SE           20230619         2130         2.2         SE           20230619         2150         2.2         SE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         200         1.7         SE			
20230619         2050         3.3         SE           20230619         2100         3.3         SE           20230619         2110         2.2         SE           20230619         2120         1.9         SE           20230619         2120         1.9         SE           20230619         2140         2.2         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2100         1.7         SE           20230619         210         2.5         ESE			
20230619         2100         3.3         SE           20230619         2110         2.2         SE           20230619         2120         1.9         SE           20230619         2130         2.2         SE           20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619         2110         2.2         SE           20230619         2120         1.9         SE           20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619         2120         1.9         SE           20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619         2130         2.2         SE           20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619         2140         2.5         SE           20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619         2150         2.2         ESE           20230619         2200         1.7         SE           20230619         2210         2.5         ESE			
20230619_2200 1.7 SE 20230619_2210 2.5 ESE			
20230619 2210 2.5 ESE			
	20230619 2210		ESE
20230619 2220 2.2 SE	20230619_2220	2.2	SE
20230619_2230 1.7 SE			
20230619 2240 1.4 SE			
20230619_2250 1.7 SE			
20230619_2230 1.7 SE 20230619_2300 2.2 SE			
20230619_2320 2.5 SE	20230019_2320		
20230619_2330 1.7 SE	20230619_2330		
20230619 2340 2.2 ESE		2.2	
20230619_2350 2.2 ESE	20230619_2350	2.2	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230620_0000	1.7	ESE
20230620_0010	1.1	SE
20230620_0020	1.4	SE SE
20230620_0030	1.7	ESE ESE
20230620_0040	1.7	ESE
20230620_0050	0.8	SE
20230620_0100	1.1	ESE
20230620_0110 20230620_0120	1.4	SE SE
20230620_0120	1.4	ESE
20230620_0150	1.1	ESE
20230620 0150	1.1	ESE
20230620 0200	1.1	ESE
20230620 0210	1.4	ESE
20230620_0220	1.9	SE
20230620 0230	1.4	SE
20230620_0240	1.7	ESE
20230620_0250	1.7 2.5	ESE
20230620 0300 20230620 0310	2.5	ESE
20230620_0310	1.7	SSE
20230620_0320	1.4	SE
20230620_0340	1.7	ESE
20230620_0350	1.7	ESE
20230620 0400	2.2 2.2	SE
20230620_0410 20230620_0420		ESE ESE
20230620_0420	1.7	ESE
20230620 0430	1.7	ESE
20230620_0440 20230620_0450	1.1 0.8	SE ESE
20230620_0450	1.4	ESE
20230620_0510	1.4	SE
20230620_0520	1.4	ESE
20230620 0530	1.1	ESE
20230620 0540	0.8	SE
20230620_0550	0.8	SSE
20230620 0600	0.8	SE
20230620_0610	1.7	ESE
20230620_0620	1.4	SE
20230620 0630 20230620_0640	1.9	SE SE
20230620_0040	2.5	SE
20230620 0700	2.5	SE
20230620_0710	2.5	ESE
20230620_0720	3.1	ESE
20230620 0730	2.5	ESE
20230620_0740	2.2	ESE
20230620_0750	1.9	E
20230620 0800	1.9	E
20230620_0810 20230620_0820	2.2	E
20230620_0820	1.7	E
20230620_0830	2.5	E
20230620 0850	1.9	E
20230620 0900	1.4	NE
20230620_0910	1.1	ESE
20230620_0920	1.4	E
20230620_0930	0.8	ESE
20230620_0940	1.7	SSE
20230620_0950	1.4	S
20230620_1000	0.3	-
20230620 1010 20230620 1020	1.1	W ESE
20230620_1020	0.8	W
20230620_1030	0.8	NW
20230620 1040	1.4	NNW
20230620_1100	1.7	WSW
20230620 1110	1.1	SSW
20230620_1120	1.4	WNW
20230620_1130	1.4 0.8	SW
	1.4	

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230620_1200	2.2	WSW
20230620_1210	1.7	WSW
20230620_1220	1.7	W
20230620 1230	1.7	W
20230620 1240	2.8	WNW
20230620_1240	2.2	W
	19	W
20230620_1300		
20230620_1310	2.2	W
20230620_1320	2.5	WSW
20230620 1330	2.8	SW
20230620_1340	2.5	WSW
20230620_1350	2.8	SSW
20230620 1400	3.1	WSW
20230620_1410	2.8	WSW
20230620_1410	3.3	SW
20230020_1420		
20230620 1430	3.1	WSW
20230620_1440	2.8	SW
20230620_1450	2.8	SW
20230620 1500	2.5	SW
20230620_1510	1.7	SW
20230620_1510	2.8	SW
20230620 1530	2.8	SW
20230620 1540		SW
20230620_1540	2.8	
20230620_1550	1.9	SW
20230620 1600	1.9	SW
20230620_1610	2.5	ESE
20230620 1620	3.9	ESE
20230620 1630	3,1	ESE
20230620 1640	3.9	ESE
20230620_1040	3.3	E
20230620 1700	3.3	ESE
20230620_1710	3.3	ESE
20230620_1720	3.6	ESE
20230620 1730	3.1	ESE
20230620 1740	3.1	ESE
20230620 1750	3.1	ESE
20230620 1800	3.3	ESE
20230020 1800		
20230620_1810	3.3	E
20230620_1820	2.8	ESE
20230620 1830	2.8	ESE
20230620 1840	2.5	ESE
20230620 1850	2.5	ESE
20230620 1900	2.2	ESE
20230620 1910	2.2	SE
	2.2	
20230620_1920		ESE
20230620 1930	1.7	SE
20230620_1940	1.9	ESE
20230620_1950	2.8	ESE
20230620 2000	2.2	ESE
20230620 2010	2.8	ESE
20230620 2020	2.5	ESE
20230620 2030	2.5	ESE
20230620_2040	2.8	SE
20230620_2050	1.7	ESE
20230620_2100	2.2	SE
20230620 2110	1.9	SE
20230620 2120	1.9	SE
20230620 2130	1.7	SE
20230620 2140	1.7	SE
20230620_2150	1.7	SE
20230620_2200	1.7	SE
20230620 2210	1.4	ESE
20230620 2220	1.7	SE
20230620 2230	1.7	SE
	1.1	ESE
20230620 2240		تلافت
20230620 2240		SE.
20230620_2250	0.8	SE
20230620_2250 20230620_2300	0.8 1.1	SE
20230620_2250 20230620_2300 20230620_2310	0.8 1.1 0.8	SE SE
20230620_2250 20230620_2300 20230620_2310 20230620_2320	0.8 1.1 0.8 0.6	SE SE E
20230620 2250 20230620 2300 20230620 2310 20230620 2320 20230620 2330	0.8 1.1 0.8	SE SE
20230620_2250 20230620_2300 20230620_2310 20230620_2320	0.8 1.1 0.8 0.6	SE SE E

L (11 11 10)/000         1.4         SE           20230621 0010         0.8         ESE           20230621 0030         0.8         SE           20230621 0040         0.8         SE           20230621 0050         0.6         S           20230621 0100         0         N           20230621 0120         0         N           20230621 0120         0         N           20230621 0130         0.3         SSW           20230621 0120         0         N           20230621 0120         0.3         SE           20230621 0200         0.3         SE           20230621 0200         0.3         SE           20230621 0200         0.3         SE           20230621 0200         0.3         SE           20230621 0300         0.8         SE           20230621 0300         0.3         SE           20230621 0300         0.3         SE           20230621 0300         0.3         SE           20230621 0300         0.3         SE           20230621 0400         0         N           20230621 0400         0         N           20230621 0400         0 <th>Date &amp; Time (YYYYMMBB HHMM)</th> <th>Wind Speed (m/s)</th> <th>Wind Direction (From)</th>	Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230621 $0010$ $0.8$ ESE $20230621$ $0040$ $0.8$ SE $20230621$ $0040$ $0.8$ SE $20230621$ $0100$ $0$ N $20230621$ $0100$ $0$ N $20230621$ $010$ $0$ N $20230621$ $0120$ $0$ N $20230621$ $0120$ $0.3$ SE $20230621$ $0200$ $0.6$ SE $20230621$ $0200$ $0.6$ SE $20230621$ $0200$ $0.6$ SE $20230621$ $0200$ $0.3$ SE $20230621$ $0200$ $0.3$ SE $20230621$ $030$ $0$ N		1.4	SE
20230621 $0020$ $0.8$ SE $20230621$ $0040$ $0.8$ SSE $20230621$ $0050$ $0.6$ S $20230621$ $0100$ $0$ N $20230621$ $010$ $0$ N $20230621$ $0140$ $0.3$ SE $20230621$ $0140$ $0.3$ SE $20230621$ $0140$ $0.6$ SE $20230621$ $0200$ $0.3$ SE $20230621$ $0200$ $0.6$ SE $20230621$ $0200$ $0.3$ SE $20230621$ $0300$ $0.8$ SE $20230621$ $0300$ $0.3$ S $20230621$ $0300$ $0.3$ SE $20230621$ $0300$ $0.3$ SE $20230621$ $0300$ $0.3$ SE $20230621$ $0400$ $0$ N $20230621$ $0420$ $0.3$ SE	20230621 0010		
20230621 $0050$ $0.6$ $S$ $20230621$ $0100$ $0$ $N$ $20230621$ $0120$ $0$ $N$ $20230621$ $0120$ $0$ $N$ $20230621$ $0130$ $0.3$ $SSW$ $20230621$ $0140$ $0.3$ $SE$ $20230621$ $0200$ $0.3$ $SE$ $20230621$ $0220$ $0.8$ $SE$ $20230621$ $0220$ $0.8$ $SE$ $20230621$ $0220$ $0.6$ $SSE$ $20230621$ $0230$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $040$ $0$ $N$ $20230621$ $040$ $0$ $N$ $20230621$ $040$ $0$ <t< td=""><td>20230621_0020</td><td>0.8</td><td>ESE</td></t<>	20230621_0020	0.8	ESE
20230621 $0050$ $0.6$ $S$ $20230621$ $0100$ $0$ $N$ $20230621$ $0120$ $0$ $N$ $20230621$ $0120$ $0$ $N$ $20230621$ $0130$ $0.3$ $SSW$ $20230621$ $0140$ $0.3$ $SE$ $20230621$ $0200$ $0.3$ $SE$ $20230621$ $0220$ $0.8$ $SE$ $20230621$ $0220$ $0.8$ $SE$ $20230621$ $0220$ $0.6$ $SSE$ $20230621$ $0230$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $030$ $0.3$ $SE$ $20230621$ $040$ $0$ $N$ $20230621$ $040$ $0$ $N$ $20230621$ $040$ $0$ <t< td=""><td>20230621_0030</td><td>0.8</td><td>SE</td></t<>	20230621_0030	0.8	SE
20230621         010         0         N           20230621         0120         0         N           20230621         0130         0.3         SSW           20230621         0140         0.3         S           20230621         0200         0.3         SSE           20230621         0200         0.3         SSE           20230621         0200         0.6         SE           20230621         0200         0.3         SSE           20230621         0200         0.3         SSE           20230621         030         0.6         SSE           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0400         0         N           20230621         0400         0         N           20230621         0400         0         N           20230621         0500         0         N <t< td=""><td>20230621_0040</td><td></td><td>SSE</td></t<>	20230621_0040		SSE
20230621         0110         0         N           20230621         0130         0.3         SSW           20230621         0140         0.3         S           20230621         0200         0.3         SE           20230621         0200         0.3         SE           20230621         0210         0.6         SE           20230621         0220         0.8         SE           20230621         0240         0.3         SSE           20230621         0240         0.3         SSE           20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0330         0.3         SE           20230621         0340         0.3         SE           20230621         0340         0.3         SE           20230621         0410         0         N           20230621         0430         0         N           20230621         0430         0         N           20230621         0430         0         N           20230621         0440         0         N <t< td=""><td></td><td>0.6</td><td></td></t<>		0.6	
20230621         0130         0.3         SSW           20230621         0140         0.3         SS           20230621         0150         0.3         SSE           20230621         0200         0.3         SSE           20230621         0200         0.6         SSE           20230621         0220         0.8         SSE           20230621         0220         0.8         SSE           20230621         0230         0.6         SSE           20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0440         0         N           20230621         0430         0         N           20230621         0440         0         N           20230621         0450         0         N           20230621         0500         0         N           20230621         0500         0         N <td>20230621_0100</td> <td></td> <td></td>	20230621_0100		
20230621         0130         0.3         SSW           20230621         0140         0.3         SE           20230621         0200         0.3         SSE           20230621         0210         0.6         SSE           20230621         0220         0.8         SE           20230621         0230         0.6         SSE           20230621         0230         0.6         SSE           20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0300         0.3         SSE           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0410         0.3         SE           20230621         0410         0.3         SE           20230621         0410         0         N           20230621         0400         0         N           20230621         0400         0         N           20230621         0500         0         N           20230621         0510         0         N <td>20230621_0110</td> <td></td> <td></td>	20230621_0110		
20230621         0.140         0.3         SE           20230621         020         0.3         SE           20230621         0220         0.6         SE           20230621         0220         0.6         SE           20230621         0220         0.6         SE           20230621         0240         0.3         SSW           20230621         030         0.6         SSE           20230621         0310         0.3         SSW           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0330         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0410         0.3         SE           20230621         0440         0         N            20230621         0440         0         N            20230621         0510         0         N            20230621         0520         0         N            20230621			
20230621         0150         0.3         SSE           20230621         0210         0.6         SSE           20230621         0220         0.8         SE           20230621         0220         0.6         SSE           20230621         0230         0.6         SSE           20230621         0300         0.8         SSE           20230621         0300         0.3         SSE           20230621         0310         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0440         0         N           20230621         0400         0         N           20230621         0430         0         N           20230621         0430         0         N           20230621         0450         0         N           20230621         0500         0         N           20230621         0500         0         N           20230621         0500         0         N <t< td=""><td></td><td></td><td></td></t<>			
20230621         0200         0.3         SSE           20230621         0210         0.6         SE           20230621         0220         0.8         SE           20230621         0200         0.3         SSW           20230621         0200         0.3         SSW           20230621         0300         0.8         SSE           20230621         0300         0.3         SSE           20230621         0300         0.3         SSE           20230621         0310         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0410         0.3         SE           20230621         0410         0         N           20230621         0410         0         N           20230621         0440         0         N           20230621         0440         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N	20230621_0140	0.3	5
20230621         0210         0.6         SE           20230621         0220         0.8         SE           20230621         0220         0.3         SSE           20230621         0230         0.6         SSE           20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0410         0.3         SE           20230621         0410         0.3         SE           20230621         0420         0.3         SE           20230621         0420         0         N           20230621         0420         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0500         0         N           20230621         0550         0.3         SE	20230621_0130	0.3	
20230621         020         0.6         SSE           20230621         020         0.3         SSW           20230621         020         0.3         SSW           20230621         030         0.8         SSE           20230621         030         0.3         SE           20230621         0410         0.3         SE           20230621         0410         0.3         SE           20230621         0410         0         N           20230621         0400         0         N           20230621         0400         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0610         0.3         SSE			
20230621         0230         0.6         SSE           20230621         0240         0.3         SW           20230621         0200         0.3         S           20230621         0310         0.3         SSE           20230621         0310         0.3         SSE           20230621         0330         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0400         0         N           20230621         0400         0         N           20230621         0410         0.3         SE           20230621         0420         0         3         SE           20230621         0430         0         N         N           20230621         0500         0         N         N           20230621         0510         0         N         N           20230621         0530         0         N         N           20230621         0500         0         N         N           20230621         0600         0         N         N	20230621_0220		
20230621         0.240         0.3         SSW           20230621         0250         0.3         S           20230621         030         0.8         SSE           20230621         030         0.3         SSE           20230621         030         0.3         SSE           20230621         030         0.3         SSE           20230621         0340         0.3         SSE           20230621         0440         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0500         0         N           20230			
20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0330         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0410         0.3         SE           20230621         0420         0.3         SE           20230621         0430         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0500         0.3         SE           20230621         0520         0         N           20230621         0500         0         N           20230621         0500         0         N           20230621         0620         0         N	20230621 0240		
20230621         0300         0.8         SSE           20230621         0310         0.3         SSE           20230621         0330         0.3         SSE           20230621         0340         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0410         0.3         SE           20230621         0420         0.3         SE           20230621         0430         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0500         0.3         SE           20230621         0520         0         N           20230621         0500         0         N           20230621         0500         0         N           20230621         0620         0         N	20230621_0250		
20230621         030         0.3         SSE           20230621         030         0.3         SSE           20230621         030         0.3         SSE           20230621         030         0.3         SSE           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0420         0.3         SE           20230621         0430         0         N           20230621         0440         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0550         0.3         SSE           20230621         0500         0         N           20230621         0610         0.3         SSE           20230621         0610         0.3         SSE           20230621         0610         0         N           20230621         0610         0         N           <	20230621_0300		
20230621         0330         0.3         SSE           20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0410         0.3         SE           20230621         0440         0         N           20230621         0440         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0540         0         N           20230621         0610         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0650         0         N           <	20230621_0310	0.5	
20230621         0340         0.3         SSE           20230621         0400         0         N           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0420         0.3         SE           20230621         0420         0.3         SE           20230621         0440         0         N           20230621         0440         0         N           20230621         0500         0         N           20230621         0510         0         N           20230621         0530         0         N           20230621         0530         0         N           20230621         0550         0.3         SE           20230621         0550         0.3         SE           20230621         0600         0         N           20230621         0630         0         N           20230621         0630         0         N           20230621         0700         0.8         ESE           20230621         0710         0.8         ESE	20230621_0320		
20230621         0.30         S           20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0420         0.3         SE           20230621         0430         0         N           20230621         0450         0         N           20230621         0450         0         N           20230621         0500         0         N           20230621         0510         0         N           20230621         0510         0         N           20230621         0530         0         N           20230621         0510         0         N           20230621         0500         0.3         SE           20230621         0600         0.3         SE           20230621         0610         0.3         SE           20230621         0650         0         N           20230621         0650         0         N           20230621         0710         0.8         ESE           20230621         0710         0.8         ESE           20230621         <	20230621 0330		SSE
20230621         0400         0         N           20230621         0410         0.3         ENE           20230621         0420         0.3         SE           20230621         0430         0         N           20230621         0430         0         N           20230621         0440         0         N           20230621         0500         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0550         0.3         SE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0650         0         N           20230621         0640         0.3         SSE           20230621         0650         0         N           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE	20230621_0340		
20230621 0410         0.3         ENE           20230621 0430         0         N           20230621 0430         0         N           20230621 0430         0         N           20230621 0450         0         N           20230621 0500         0         N           20230621 0510         0         N           20230621 0520         0         N           20230621 0530         0         N           20230621 0540         0         N           20230621 0550         0.3         SEE           20230621 0550         0.3         SEE           20230621 0610         0.3         SEE           20230621 0610         0.3         SEE           20230621 0650         0         N           20230621 0650         0         N           20230621 0710         0.8         SEE           20230621 0710         0.8         SEE           20230621 0710         1.4         ESE           20230621 0750         1.1         SE           20230621 0740         1.4         SE           20230621 0750         1.4         SE           20230621 0810         1.4	20230621_0300		
20230621 0420         0.3         SE           20230621 0440         0         N           20230621 0500         0         N           20230621 0500         0         N           20230621 0500         0         N           20230621 0520         0         N           20230621 0520         0         N           20230621 0520         0         N           20230621 0550         0.3         SSE           20230621 0550         0.3         SSE           20230621 0500         0         N           20230621 0610         0.3         SSE           20230621 0610         0.3         SSE           20230621 0640         0.3         SSE           20230621 0640         0.3         SSE           20230621 0700         0.8         SSE           20230621 0710         0.8         SSE           20230621 0720         1.4         ESE           20230621 0750         1.1         SE           20230621 0750         1.1         SE           20230621 0800         1.4         SE           20230621 0810         1.4         SE           20230621 0820         0.6 </td <td>20230621 0400</td> <td></td> <td></td>	20230621 0400		
20230621 0430         0         N           20230621 0450         0         N           20230621 0500         0         N           20230621 0510         0         N           20230621 0510         0         N           20230621 0530         0         N           20230621 0530         0         N           20230621 0530         0         N           20230621 0550         0.3         SSE           20230621 0500         0.3         SSE           20230621 0610         0.3         SSE           20230621 0630         0         N           20230621 0640         0.3         SSE           20230621 0650         0         N           20230621 0700         0.8         SSE           20230621 0710         0.8         ESE           20230621 0710         1.4         ESE           20230621 0730         1.7         SSE           20230621 0740         1.4         SE           20230621 0750         1.1         SE           20230621 0830         0.8         -           20230621 0830         0.8         -           20230621 0830         0.8	20230621_0410		
20230621         0440         0         N           20230621         0500         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0550         0.3         SSE           20230621         0600         0.3         SSE           20230621         0600         0.3         SSE           20230621         0610         0.3         SSE           20230621         0600         0         N           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0650         0         N           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0800         1.4         SE           20230621         0810         1.4         SE <tr< td=""><td></td><td></td><td></td></tr<>			
20230621         0450         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0550         0         N           20230621         0550         0.3         SSE           20230621         0660         0.3         SSE           20230621         0660         0.3         SSE           20230621         0660         0         N           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0700         0.8         SEE           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0730         1.4         SE           20230621         0800         1.4         SE           20230621         0840         0.8         -      <	20230621 0450		
20230621         0500         0         N           20230621         0510         0         N           20230621         0520         0         N           20230621         0530         0         N           20230621         0530         0         N           20230621         0540         0         N           20230621         0550         0.3         SSE           20230621         0600         0.3         SSE           20230621         0600         0         N           20230621         0600         0         N           20230621         0660         0         N           20230621         0650         0         N           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0740         1.4         ESE           20230621         0750         1.1         SE           20230621         0740         1.4         SE           20230621         0800         1.4         SE           20230621         0810         1.4         SE	20230621_0450		
20230621         0510         0         N           20230621         0530         0         N           20230621         0530         0         N           20230621         0550         0         N           20230621         0550         0.3         SSE           20230621         0600         0.3         SSE           20230621         0610         0.3         SSE           20230621         0610         0.3         SSE           20230621         0630         0         N           20230621         0650         0         N           20230621         0650         0         N           20230621         0710         0.8         SSE           20230621         0710         0.8         SSE           20230621         0730         1.7         SSE           20230621         0730         1.1         SE           20230621         0730         1.4         SE           20230621         0810         1.4         SE           20230621         0820         0.6         S           20230621         0820         0.6         S		0	N
20230621         0530         0         N           20230621         0550         0.3         SSE           20230621         0600         0.3         SSE           20230621         0600         0.3         SSE           20230621         0610         0.3         SSE           20230621         0610         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0650         0         N           20230621         0710         0.8         ESE           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.4         SE           20230621         0800         1.4         SE           20230621         0810         1.4         SE           20230621         0850         0.6         S           20230621         0850         0.6         S           20230621         0820         1.4         SE	20230621_0510	0	N
20230621         0540         0         N           20230621         0560         0.3         SSE           20230621         0600         0.3         SSE           20230621         0610         0.3         SSE           20230621         0610         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.4         SE           20230621         0800         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0940         0.3         -			
20230621         0550         0.3         SSE           20230621         0610         0.3         SSE           20230621         0610         0.3         SSE           20230621         0620         0         N           20230621         0660         0         N           20230621         0630         0         N           20230621         0650         0         N           20230621         0750         0         N           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0740         1.4         ESE           20230621         0740         1.4         SE           20230621         0740         1.4         SE           20230621         0810         1.4         SE           20230621         0810         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0830         0.6         S	20230621 0530		
20230621         0600         0.3         SE           20230621         0610         0.3         SSE           20230621         0620         0         N           20230621         0630         0         N           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0700         0.8         SSE           20230621         0710         0.8         SSE           20230621         0710         0.8         ESE           20230621         0710         1.4         ESE           20230621         0740         1.4         SE           20230621         0810         1.4         SE           20230621         0810         1.4         SE           20230621         0830         0.8         -           20230621         0820         0.6         S           20230621         0840         0.8         -           20230621         0930         1.1         SW           20230621         0930         1.1         SW	20230621_0540		
20230621         0610         0.3         SSE           20230621         0620         0         N           20230621         0630         0         N           20230621         0640         0.3         SSE           20230621         0640         0.3         SSE           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0710         0.8         ESE           20230621         0710         1.4         ESE           20230621         0750         1.1         SE           20230621         0750         1.4         SE           20230621         0810         1.4         SE           20230621         0810         1.4         SE           20230621         0810         1.4         SE           20230621         0820         0.8         -           20230621         0820         0.8         -           20230621         0820         0.8         SW           20230621         0930         0.8         SW           20230621         0900         0.8         WNW			
20230621         0620         0         N           20230621         0630         0         N           20230621         0650         0         N           20230621         0650         0         N           20230621         0650         0         N           20230621         0710         0.8         SSE           20230621         0710         0.8         ESE           20230621         0720         1.4         ESE           20230621         0730         1.7         SSE           20230621         0750         1.1         SE           20230621         0800         1.4         SE           20230621         0800         1.4         SE           20230621         0800         1.4         SE           20230621         0810         0.8         -           20230621         0810         0.8         -           20230621         0820         0.4         SE           20230621         0840         0.8         -           20230621         0900         0.8         SW           20230621         0920         0.8         WNW      <	20230621 0600		
20230621         0630         0         N           20230621         0640         0.3         SSE           20230621         0650         0         N           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0730         1.4         SE           20230621         0830         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0940         0.6         S           20230621         0920         0.8         WNW           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         0950         0.8         W	20230621_0610		
20230621         0.640         0.3         SSE           20230621         0650         0         N           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0730         1.4         SE           20230621         0740         1.4         SE           20230621         0800         1.4         SE           20230621         0800         1.4         SE           20230621         0810         1.4         SE           20230621         0820         1.4         SE           20230621         0820         1.4         SE           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0900         0.8         SW           20230621         0930         1.1         SW           20230621         0930         1.1         SW	20230021_0020		
20230621         0650         0         N           20230621         0700         0.8         SSE           20230621         0710         0.8         ESE           20230621         0730         1.4         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0750         1.1         SE           20230621         0800         1.4         SE           20230621         0810         1.4         SE           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0900         0.8         WW           20230621         0910         0.8         WW           20230621         0930         1.1         SW           20230621         0930         1.1         SW           20230621         0930         1.1         SW           20230621         0940         0.3         -     <			
20230621 0700         0.8         SSE           20230621 0710         0.8         ESE           20230621 0720         1.4         ESE           20230621 0730         1.7         SSE           20230621 0740         1.4         ESE           20230621 0740         1.4         SE           20230621 0750         1.1         SE           20230621 0810         1.4         SE           20230621 0810         1.4         SE           20230621 0810         1.4         SE           20230621 0830         0.8         -           20230621 0830         0.8         -           20230621 0830         0.8         -           20230621 0930         0.6         S           20230621 0900         0.8         WW           20230621 0910         0.8         WNW           20230621 0920         0.8         WNW           20230621 0930         1.1         SW           20230621 0940         0.3         -           20230621 0950         0.8         W           20230621 1000         1.4         WNW           20230621 1000         1.4         WNW           20230621 1010			
20230621 0710         0.8         ESE           20230621 0720         1.4         ESE           20230621 0730         1.7         SSE           20230621 0750         1.1         SE           20230621 0750         1.1         SE           20230621 0750         1.1         SE           20230621 0800         1.4         SE           20230621 0800         1.4         SE           20230621 0810         1.4         SE           20230621 0820         1.4         SE           20230621 0830         0.8         -           20230621 0850         0.6         S           20230621 0900         0.8         SW           20230621 0900         0.8         WNW           20230621 0900         0.8         W           20230621 0900         0.8         W           20230621 0900         0.8         W           20230621 1000         1.4         WNW           20230621 1000 <td></td> <td></td> <td></td>			
20230621         0720         1.4         ESE           20230621         0730         1.7         SSE           20230621         0730         1.7         SSE           20230621         0730         1.1         SE           20230621         0750         1.1         SE           20230621         0810         1.4         SE           20230621         0810         1.4         SE           20230621         0820         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0940         0.8         SW           20230621         0910         0.8         WNW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0920         0.8         W           20230621         0930         1.1         SW           20230621         0930         1.1         NW           20230621         0930         0.3         -			ESE
20230621 0730         1.7         SSE           20230621 0740         1.4         SE           20230621 0750         1.1         SE           20230621 0800         1.4         SE           20230621 0810         1.4         SE           20230621 0820         1.4         SE           20230621 0820         1.4         SE           20230621 0830         0.8         -           20230621 0840         0.8         -           20230621 0840         0.8         -           20230621 0950         0.6         S           20230621 0910         0.8         WNW           20230621 0920         0.8         WNW           20230621 0930         1.1         SW           20230621 0930         1.1         SW           20230621 0930         1.1         SW           20230621 0930         1.1         SW           20230621 0950         0.8         W           20230621 1000         1.4         WNW           20230621 1000         1.1         NW           20230621 1030         0.8         NE           20230621 1040         1.1         SW           20230621 1050	20230621_0720		ESE
20230621         0750         1.1         SE           20230621         0800         1.4         SE           20230621         0810         1.4         SE           20230621         0820         1.4         SE           20230621         0820         1.4         SE           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0930         0.6         S           20230621         0900         0.8         SW           20230621         0900         0.8         WNW           20230621         0930         1.1         SW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         1090         1.4         WNW           20230621         1000         1.4         WNW           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE	20230621 0730		
20230621         0800         1.4         SE           20230621         0810         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0900         0.8         SW           20230621         0900         0.8         WNW           20230621         0910         0.8         WNW           20230621         0940         0.3         -           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         1000         1.4         WNW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1030         0.8         NE <td>20230621_0740</td> <td>1.1</td> <td></td>	20230621_0740	1.1	
20230621         0810         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0840         0.8         -           20230621         0940         0.8         -           20230621         0900         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0920         0.8         WNW           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         1090         1.4         WNW           20230621         1090         1.4         WNW           20230621         1020         1.1         NW           20230621         1050         0.8         NE           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE			
20230621         0820         1.4         SE           20230621         0830         0.8         -           20230621         0830         0.8         -           20230621         0850         0.6         S           20230621         0900         0.8         SW           20230621         0910         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         1000         1.4         WNW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         SW           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE	20230621 0800		
20230621         0830         0.8         -           20230621         0840         0.8         -           20230621         0850         0.6         S           20230621         0900         0.8         SW           20230621         0910         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         10950         0.8         W           20230621         10900         1.4         WNW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         NE           20230621         1030         0.8         SSE           20230621         1040         1.4         SSE           20230621         1100         0.3         -           20230621         1100         0.3         -           20230621         1110         0.3         -	20230621_0810		
20230621         0840         0.8         -           20230621         0850         0.6         S           20230621         0900         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0950         0.8         W           20230621         10090         1.4         WNW           20230621         1000         1.4         WNW           20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         SW           20230621         1050         1.4         SSE           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1120         0.3         -			9E
20230621         0850         0.6         S           20230621         0900         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         1000         1.4         WNW           20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			-
20230621         0900         0.8         SW           20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         0950         0.8         W           20230621         10900         1.4         WNW           20230621         1000         1.4         WNW           20230621         1020         0.8         WSW           20230621         1030         0.8         NE           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE           20230621         1100         0.3         -           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE <td></td> <td></td> <td></td>			
20230621         0910         0.8         WNW           20230621         0920         0.8         WNW           20230621         0930         1.1         SW           20230621         0940         0.3         -           20230621         0940         0.3         -           20230621         1000         1.4         WNW           20230621         1010         0.8         W           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         NE           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621 0920         0.8         WNW           20230621 0930         1.1         SW           20230621 0940         0.3         -           20230621 0950         0.8         W           20230621 1000         1.4         WNW           20230621 1010         0.8         WSW           20230621 1020         1.1         NW           20230621 1030         0.8         NE           20230621 1030         0.8         NE           20230621 1030         0.8         SSE           20230621 1100         0.4         SSE           20230621 1100         0.3         -           20230621 1100         0.3         -           20230621 1100         0.3         -           20230621 1100         0.3         -           20230621 1100         0.3         -           20230621 1140         3.3         ESE           20230621 1140         3.3         ESE			
20230621         0940         0.3         -           20230621         0950         0.8         W           20230621         1000         1.4         WNW           20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE	20230621_0920	0.8	WNW
20230621         0950         0.8         W           20230621         1000         1.4         WNW           20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1010         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE	20230621_0930	1.1	SW
20230621         1000         1.4         WNW           20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			-
20230621         1010         0.8         WSW           20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1050         0.8         NE           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1020         1.1         NW           20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1050         1.4         SSE           20230621         110         0.8         SW           20230621         110         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1030         0.8         NE           20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1040         1.1         SW           20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1100         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1050         1.4         SSE           20230621         1100         0.8         SW           20230621         1110         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1100         0.8         SW           20230621         1110         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1110         0.3         -           20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			
20230621         1120         0.3         -           20230621         1130         2.2         SE           20230621         1140         3.3         ESE			-
20230621_1130 2.2 SE 20230621_1140 3.3 ESE			
20230621 1140 3.3 ESE		2.2	SE
20230621_1150 2.5 ESE			
	20230621_1150	2.5	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20220621 1200	2.5	ESE
20230621_1200 20230621_1210 20230621_1220	2.5	ESE
20230621_1210	2.2	SE
20230621_1220	2.2	E
20230621_1230	2.5	
20230621_1240		E
20230621_1250	2.2	ENE
20230621_1300	2.8	ENE
20230621_1310	3.1	E
20230621_1320	2.8	ESE
20230621_1330	3.3	ESE
20230621_1340	3.3	E
20230621_1350	2.8	E
20230621 1400	3.3	E
20230621_1410	2.8	E
20230621_1420	3.9	E
20230621 1430	4.2	Е
20230621_1440	3.6	E
20230621_1450	3.3	Ē
20230621 1500	3,3	Ē
20230621_1510	3.3	E
20230621_1510	3.9	E
20230621_1520	3.3	E
	3.3	
		E
20230621_1550	2.8	E
20230621 1600	3.1	E
20230621_1610	2.8	ESE
20230621_1620	3.3	ESE
20230621 1630	3.9	ESE
20230621_1640	3.3	ESE
20230621_1650	3.3	E
20230621 1700	2.8	Е
20230621 1710	3.3	Е
20230621 1720	3.3	Ē
20230621 1730	2.8	ESE
20230621 1750	2.5	ESE
20230621 1750	2.5	ENE
20230621_1750	2.8	E
20230621 1800	2.5	E
	3.1	
		E
20230621 1830	2.5	ESE
20230621_1840	2.2	ESE
20230621_1850	2.2	ESE
20230621 1900	2.5	E
20230621_1910	2.5	ESE
20230621_1920	2.5	E
20230621 1930	3.3	ESE
20230621_1940	2.5	E
20230621_1950	2.5	ESE
20230621 2000	3.3	ESE
20230621_2010	2.2	ESE
20230621_2020	1.7	ESE
20230621 2030	2.5	ESE
20230621_2030	2.8	ESE
20230621_2040	2.5	ESE
20230621_2030	2.3	ESE
20230621_2100	3.3	ESE
20230621_2120	2.8	ESE
20230621_2130	2.2	ESE
20230621_2140	3.1	E
20230621_2150	3.3	E
20230621_2200	3.1	ESE
20230621 2210	2.8	ESE
20230621_2220	2.2	ESE
20230621_2230	2.8	E
20230621 2240	2.8	Ē
20230621_2250	3.3	ESE
20230621_22300	3.3	ESE
20230621_2300	2.8	ESE
20230021 2310		
20230621_2320	3.1	E
20230621_2320 20230621_2330 20230621_2340	3.3	ESE
20230621 2340	3.1	ESE
20230621_2350	3.3	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230622_0000	2.8	ESE
20230622_0000	3.9	ESE
20230622_0020	3.9	ESE
20230622 0030	2.8	ESE
20230622_0040	3,9	ESE
20230622 0050	3.3	ESE
20230622 0100	4.2	ESE
20230622_0110	3.9	E
20230622_0120	4.4	Ē
20230622 0130	3,9	ESE
20230622 0140	4.4	ESE
20230622_0140 20230622_0150	3.3	ESE
20230622_0200	3,3	ESE
20230622_0210	3.6	E
20230622_0220	3.9	Ē
20230622 0230	4.2	E
20230622_0240	3.9	ESE
20230622 0250	3.3	ESE
20230622 0300	3.6	ESE
20230622_0310	3.3	ESE
20230622 0320	3.1	E
20230622 0330	3,3	ESE
20230622 0340	2.8	E
20230622_0350	3.3	ESE
20230622 0400	2.8	ESE
20230622 0410	2.5	ESE
20230622_0420	2.5	E
20230622 0430	2.2	E
20230622_0440	2.5	ESE
20230622 0450	2.2	ESE
20230622 0500	2.8	ESE
20230622_0510	2.5	ESE
20230622_0520	2.5	ESE
20230622 0530	3.3	ESE
20230622 0540	3.9	ESE
20230622 0550	3.3	ESE
20230622 0600	3.9	ESE
20230622_0610	3.3	ESE
20230622 0620	2.8	ESE
20230622 0630	2.8	ESE
20230622 0640	2.5	ESE
20230622 0650	2.8	ESE
20230622 0700	2.8	ESE
20230622 0710	2.5	ESE
20230622_0720	3.1	ESE
20230622 0730	3.3	ESE
20230622 0740	4.2	ESE
20230622 0750	2.5	ESE
20230622 0800	2.5	ESE
20230622_0810	2.2	ESE
20230622_0820	1.7	-
20230622_0830	1.7	ESE
20230622_0840	1.7	E
20230622_0850	1.7	ESE
20230622_0900	2.2	E
20230622_0910	1.9	E
20230622_0920	2.2	E
20230622_0930	2.8	ESE
20230622_0940	3.3	ESE
20230622_0950	3.3	ESE
20230622_1000	1.9	E
20230622 1010	3.3	E
20230622_1020	3.3	ESE
20230622_1030	2.5	ESE
20230622 1040	3.1	ESE
20230622_1050	3.3	ESE
20230622_1100	2.8	ESE
20230622 1110	2.2	ESE
20230622_1120	3.1	ESE
20230622_1130		ESE
	2.8	
20230622_1130	2.8 2.8 3.1	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230622 1200	2.5	ESE
20230622 1210	2.5	E
20230622_1220	2.8	ENE
20230622_1220	2.8	ENE
20230622_1230	2.8	ENE
20230622_1240	3.1	ENE
20230622_1250	2.8	Е
20230622 1300	2.5	E
20230622_1310	3.3	Ē
20230622_1320	3.3	Ē
20230022_1320	3.3	
20230622_1330		E
20230622_1340	3.3	E
20230622_1350	3.3	ESE
20230622 1400	3.6	E
20230622_1410	2.8	Е
20230622_1420	3.3	Ē
20230622_1420		
	3.1	E
20230622_1440	3.3	E
20230622_1450	3.3	E
20230622 1500	3.3	ESE
20230622 1510	3.1	E
20230622_1510	3.3	ESE
	3.3	SE
20230622_1540	3.3	ESE
20230622_1550	3.9	ESE
20230622 1600	3.3	ESE
20230622 1610	3,3	SE
20230622_1010	3.3	ESE
20230622 1630	3.9	SE
20230622_1640	2.8	SE
20230622 1650	2.8	ESE
20230622 1700	3.3	ESE
20230622 1710	2.8	ESE
20230622_1710	3.3	
		E
20230622 1730	2.8	ESE
20230622_1740	2.8	ESE
20230622 1750	3.3	ESE
20230622 1800	3.3	ESE
20230622_1810	3.6	ESE
20230622_1820	3.3	ESE
20230622 1830	3.3	ESE
20230622 1840	3.1	ESE
20230622 1850	3.1	ESE
20230622 1900	3.3	ESE
20230622 1900		ESE
	2.2	
20230622_1920	2.2	ESE
20230622 1930	2.2	ESE
20230622 1940	3.3	SE
20230622_1950	2.8	ESE
20230622 2000	2.5	ESE
20230622_2010	2.8	SE
20230022_2010		
20230622_2020	3.3	ESE
20230622_2030	2.8	ESE
20230622_2040	2.8	ESE
20230622_2050	3.1	ESE
20230622_2100	3.3	SE
20230622_2100	3.3	SE
	3.3	SE
20230622_2130	3.3	ESE
20230622_2140	2.2	ESE
20230622_2150	3.1	ESE
20230622_2200	2.5	ESE
20230622 2210	2.5	ESE
20230622_2210	3.3	E
20230022_2220		E
20230622_2230	2.2	ESE
20230622 2240	3.3	ESE
20230622_2250	3.9	ESE
20230622_2300	3.9	SE
20230622_2310	4.2	SE
20230022 2310		
20230022_2320	3.9	ESE
20230622_2330	4.2	SE
20230622 2320 20230622 2330 20230622 2330 20230622 2340 20230622 2350	4.2 4.2 3.9	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230623_0000	3.9	SE
20230623_0010	2.8	ESE
20230623_0020	2.8 3.1	ESE ESE
20230623 0030	3.3	ESE
20230623_0040	3.3	ESE
20230623_0050	3.3	ESE
20230623_0100	4.2	ESE
20230623_0110	3.3	ESE
20230623_0120	3.6	SE
20230623_0130 20230623_0140	3.3	ESE
20230623_0140	3.3	E
20230623 0200	3.3	E
20230623 0210	3.1	Ē
20230623 0220	3.3	E
20230623 0230	3.9	E
20230623_0240	3.9	ESE
20230623_0250 20230623_0300	3.3	ESE
20230623 0300	3.1	ESE
20230623_0310 20230623_0320	3.1 3.1	ESE
20230623_0320	2.5	E SE
20230623_0340	2.5	ESE
20230623_0350	2.5	ESE
20230623 0400	2.8	ESE
20230623_0410	1.9	E
20230623_0420	1.7	E
20230623 0430	1.7	ESE
20230623_0440	2.5	ESE
20230623_0450	3.1	ESE
20230623 0500	2.5	ESE
20230623_0510 20230623_0520	2.5	ESE ESE
20230623_0530	2.5	E
20230623_0540	3.1	E
20230623_0550	2.5	Ē
20230623 0600	2.5	ESE
20230623_0610	2.5	ESE
20230623_0620	1.7	ESE
20230623 0630	2.8	E
20230623_0640	2.8	E
20230623_0650 20230623_0700	2.2	ESE
20230623 0700 20230623_0710	2.2 2.5	ESE
20230623_0710	2.8	ESE
20230623 0730	3.1	ESE
20230623 0740	3.3	ESE
20230623_0750	2.8	ESE
20230623 0800	2.2	E
20230623_0810	3.3	E
20230623_0820	3.1	ESE
20230623_0830	3.3	ESE
20230623_0840 20230623_0850	3.3 3.3	ESE
20230623_0830	2.8	ESE
20230623_0910	2.5	ESE
20230623_0920	2.5 2.5	ESE
20230623_0930	2.5	ESE
20230623_0940	2.8	ESE
20230623_0950	3.3	ESE
20230623_1000	3.3	ESE
20230623 1010	3.6	SE
20230623_1020	2.8	ESE
20230623_1030 20230623_1040	3.3 3.1	SE ESE
20230623_1040	3.3	ESE
20230623_1100	3.9	ESE
20230623_1100	4.2	ESE
20230623_1110	3.9	E
20230623_1130	3.3	ESE
20230623 1140	2.8	ESE
20230623_1150	2.5	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230623 1200	3.3	ESE
20230623_1200 20230623_1210 20230623_1220	2.8	ESE
20230623 1220	2.5	ESE
20230623 1230	2.8	ESE
20230623 1240	2.8	ESE
20230623 1250	2.8	ESE
20230623 1300	2.8	ESE
20230623 1310	2.2	E
20230623 1320	3.1	Ē
20230623 1330	3.3	ESE
20230623_1340	3.3	E
20230623_1350	3.3	Ē
20230623 1400	2.5	E
20230623 1410	2.5	ESE
20230623_1420	3.1	ESE
20230623 1430	3.3	SE
20230623_1440	3.3	SE
20230623_1450	3.3	E
20230623 1500	3.1	ESE
20230623_1510	3.3	ESE
20230623_1520	3,1	E
20230623_1530	2.2	ESE
20230623_1530	2.5	ESE
20230623 1550	3.1	ESE
20230623_1550	2.8	ESE
20230623 1610	2.8	ESE
20230623 1620	3.1	ESE
20230623_1630	2.8	ESE
20230623 1640	2.0	ESE
20230623 1650	2.2	E
20230623 1700	2.2	SE
20230623 1710	2.2	ESE
20230623 1720	2.2	ESE
20230623_1720	1.9	ESE
20230623 1730	1.9	ESE
20230623 1750	1.7	E
20230623_1750	2.5	ENE
20230623 1810	2.5	ENE
20230623_1810	2.5	ENE
20230623 1830	1.7	ENE
20230623 1830	2.2	SE
20230623_1840	1.7	SE
20230623_1830	2.5	SE
20230623_1910	2.2	SE
20230623_1920	2.2	SE
20230623 1930	2.5	SE
20230623_1940 20230623_1950	1.9 2.2	ESE
		ESE
20230623 2000	2.8	SE
20230623_2010	2.5	SE
20230623_2020 20230623_2030	3.1 2.8	SE SE
20230623_2030	2.8	ESE
20230623_2040 20230623_2050		
20230623_2050	3.3 3.3	ESE
20230623_2100		ESE
20230623_2110 20230623_2120	3.1 2.8	ESE
20230623_2120 20230623_2130	2.8	ESE
20230623_2130	2.5	
20230623_2140 20230623_2150	2.5	E
20230623_2150	2.5	E
20230622 2210		
20230623 2210	2.8 2.2	E
20230623_2220		ENE
20230623_2230	2.2	ENE
20230623 2240	2.5	E
20230623_2250	2.5	ENE
20230623_2300	2.2	ENE
20230623 2310	2.5	E
20230623_2320 20230623_2330 20230623_2340	2.2	E
20230623_2330	2.8	E
20230623 2340	2.5	ESE
20230623_2350	2.2	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230624_0000	1.9	ESE
20230624_0000	2.2	ECE
20230624_0010 20230624_0020	2.5	ESE
20230624_0030	3.1	Е
20230624_0040	2.2	E
20230624_0050	2.8	E
20230624_0100	2.5	ENE
20230624_0110	2.2	E
20230624_0120	1.9	ENE
20230624_0130 20230624_0140	2.2 2.5	E
20230624_0140	2.5	E
20230624_0150	2.5	E
20230624 0200	2.2	E
20230624 0220	2.5	Ē
20230624 0230	2.5	Е
20230624 0240	2.8	E
20230624_0250	2.5	E
20230624 0300	3.3	E
20230624_0310	2.8	E
20230624_0310	2.5	E
20230624 0330 20230624_0340		ESE SE
20230624_0340 20230624_0350	1.1 0.8	E
20230624_0350	0.8	ESE
20230624_0400	0.8	SSE
20230624_0410	0.8	S
20230624 0430	0.8	SE
20230624 0440	1.7	ESE
20230624_0450	0.8	ESE
20230624 0500	1.1	E
20230624_0510	1.7	ESE
20230624_0520	1.7	E
20230624 0530	0.8	ESE
20230624_0540 20230624_0550	1.7	E
20230624_0550		ESE E
20230624_0610	1.1	ESE
20230624_0010	1.1	ESE
20230624 0630	1.4	E
20230624 0640	1.4	ESE
20230624_0650	1.1	ESE
20230624 0700	1.1	ESE
20230624_0710	1.7	ESE
20230624_0720	2.2	E
20230624 0730	2.2	E
20230624_0740 20230624_0750	2.2	ESE
20230624_0750 20230624_0800	1.7	ESE
20230624 0800	2.8	SE SE
20230624 0810	2.5	SE
20230624_0830	1.7	ESE
20230624_0840	1.7	ESE
20230624_0850	1.7	ESE
20230624_0900	2.5	SE
20230624_0910	1.9	E
20230624_0920	2.8	E
20230624_0930	2.8	ESE
20230624_0940 20230624_0950	2.8	ESE SE
20230624_0950	2.8 2.5	ESE
20230624_1010	2.5	ESE
20230624_1010	1.9	ESE
20230624_1030	2.2	ESE
20230624 1040	2.8	E
20230624_1050	2.8	ESE
20230624_1100	2.8	ESE
20230624 1110	2.8	ESE
20230624_1120	2.5	ESE
20230624_1130	2.2	E
20230624 1140 20230624_1150	3.3 2.8	E ESE
20230024_1130	2.0	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230624 1200	2.5	ESE
20230624 1210	2.5	E
20230624_1220	2.5	ESE
20230624 1230	3.3	E
20230624_1230	2.2	ESE
20230624_1240		ESE
20230624_1250	3.1	ESE
20230624_1300	2.5	ESE
20230624_1310	2.8	E
20230624_1320	3.3	ESE
20230624 1330	2.8	Е
20230624_1340	2.5	Ē
20230624_1340	2.5	
20230624_1350		E
20230624 1400	3.3	Е
20230624_1410	3.1	E
20230624_1420	2.8	Е
20230624 1430	3.3	E
20230624_1440	2.2	Ē
20230624_1450	2.5	Ē
20230624 1500	2.8	E
20230624_1510	2.2	E
20230624_1520	2.2	E
20230624 1530	1.7	ESE
20230624_1540	2.2	Е
20230624 1550	2.2	Ē
20230624_1550	2.5	E
20230624_1610	2.2	E
20230024_1010		
20230624_1620	2.5	E
20230624 1630	2.5	E
20230624_1640	2.2	E
20230624 1650	2.2	Е
20230624 1700	1.9	Е
20230624 1710	1.7	ESE
20230624 1720	1.7	ESE
	117	
	1.7	E
20230624_1740	2.2	ESE
20230624_1750	1.7	E
20230624 1800	2.2	ESE
20230624 1810	1.7	ESE
20230624 1820	1.4	ESE
20230624 1830	1.4	ESE
20230624 1850	1.4	SE
20230624_1850	0.8	ESE
20230624 1900	1.4	SE
20230624_1910	1.7	SE
20230624 1920	1.7	SE
20230624 1930	1.4	SE
20230624 1950	1.7	SE
20230624_1940	1.7	ESE
20230624 2000	2.2	SE
20230624_2010	2.2	SE
20230624_2020	2.2	SE
20230624 2030	1.7	SE
20230624 2040	1.4	SE
20230624 2050	1.4	ESE
20230624_2030		
	1.1	ESE
20230624_2110	1.7	ESE
20230624_2120	1.4	SE
20230624_2130	1.1	ESE
20230624 2140	1.1	ESE
20230624 2150	1.1	E
20230624 2200	1.4	ESE
20230624 2210	1.7	E
20230624_2220	1.4	ESE
20230624_2230	1.7	E
20230624 2240	1.4	E
20230624 2250	1.7	ESE
20230624 2300	1.4	SE
20230624 2310	2.2	SE
	1.4	
20230624 2320	1.4	ESE
20230624_2320 20230624_2330	1.4	SE
20230624 2320		

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230625_0000	11	ESE
20230625_0000 20230625_0010 20230625_0020	1.1	ESE
20230625_0020	1.7	ESE
20230625_0030 20230625_0040	1.7	SE
20230625_0040	2.2	ESE
20230625_0050	2.2	ESE
20230625_0100 20230625_0110	1.7	SE
20230625_0110	2.2	SE
20230625_0120	1.7	SE
20230625_0130	1.4	SE
20230625_0140	1.7	SE
20230625_0150 20230625_0200	1.4	SE
	1.4	ESE
20230625_0210	1.4 1.9	E
20230625_0220 20230625_0230	1.7	E
20230625 0250	1.7	E
20230625_0240	0.6	E
20230625 0240 20230625 0240 20230625 0250 20230625 0300 20230625 0310	0.3	SE
20230625 0310	0.6	E
20230625_0320	0.8	ENE
20230625_0320	1.1	E
20230625 0340	1.7	E
20230625_0350	1.1	Ē
20230625 0400	1.1	E
20230625_0410	1.1	Ē
20230625 0420	0.8	ESE
20230625 0430	1.4	ESE
20230625 0440	1.1	Е
20230625_0450	0.3	NE
20230625 0500	0.3	-
20230625_0510	0.3	E
20230625_0520	1.1	E
20230625 0530	1.4	ENE
20230625_0540	0.8	E
20230625_0550	0.8	E
20230625 0600	0.3	SE
20230625_0610	1.1	ESE
20230625_0620	1.4	ENE
20230625 0630	1.7	E
20230625_0640	1.9	E
20230625_0650	1.7	E
20230625 0700	2.2	E
20230625_0710 20230625_0720	1.4	ESE
20230625_0720 20230625_0730	1.4	ESE
20230625_0740	1.1	E
20230625_0740	1.1	ESE
20230625_0750	2.2	ESE
20230625 0800	1.4	ESE
20230625_0810	1.4	ESE
20230625_0820	1.7	ESE
20230625_0840	1.7	ESE
20230625 0850	1.4	ESE
20230625_0000	1.4	E
20230625 0910	1.4	E
20230625 0920	1.4	Ē
20230625 0930	1.7	Ē
20230625 0940	1.4	ESE
20230625 0950	1.1	E
20230625_1000	1.7	Ē
20230625 1010	1.4	ENE
20230625_1020	1.4	ESE
20230625_1030	1.7	ESE
20230625 1040	1.7	ESE
20230625_1050	1.4	Е
20230625_1100	1.7	E
20230625 1110	1.9	E
20230625_1120	1.7	E
20230625_1130	1.9	E
20230625 1140	2.2	ENE
20230625_1150	2.5	ENE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230625 1200	2.2	ESE
20230625_1200 20230625_1210 20230625_1220	2.2 2.2	E
20230625_1220	2.8	ENE
20230625_1220	2.2	E
20230625 1240	2.5	ESE
20230625 1250	2.5	ESE
20230625_1250	2.2	E
20230625 1310	2.2	
	2.2	ESE
20230625_1320		ESE
20230625_1330	1.7	ESE
20230625_1340	1.4	SE
20230625_1350	1.7	ESE
20230625 1400	2.2	SE
20230625_1410	1.7	SSE
20230625_1420	2.5	SE
20230625 1430	2.5	E
20230625_1440	2.8	E
20230625_1450	2.5	ESE
20230625 1500	3.3	E
20230625_1510	3.3	E
20230625_1520	3.3	ESE
20230625 1530	3,3	E
20230625_1540	3,3	Ē
20230625_1550	2.8	E
20230625_1550	3.1	E
20230625 1610	2.5	Ē
20230625_1620	2.8	ESE
20230625_1620	2.5	ESE
20230625 1640	3.3	E
20230625_1650	2.8	E
20230625_1050	2.8	E
20230625_1710	2.5	E
20230625_1720	2.5	ESE
20230625 1730	2.5	E
20230625_1740	1.7	E
20230625_1750	1.7	E
20230625 1800	1.7	ESE
20230625_1810	2.2	E
20230625_1820	1.4	E
20230625 1830	1.4	SE
20230625_1840	1.7	ESE
20230625_1850	1.7	E
20230625 1900	1.4	E
20230625 1910	1.9	E
20230625 1920	2.5	ESE
20230625 1930	2.8	SE
20230625 1940	1.7	SE
20230625 1950	1.4	ESE
20230625_1950 20230625_2000	1.7	ESE
20230625 2000	1.7	ESE
20230625_2010 20230625_2020	1.4	ESE
20230625 2030	1.4	ESE
20230625_2030	1.4	E
20230625_2050	1.1	ESE
20230625_2100	1.1	ESE
20230625_2110	1.4	ESE
20230625_2120	1.7	ESE
20230625_2130	1.7	E
20230625_2140	1.7	E
20230625_2150	1.7	E
20230625_2200	1.7	E
20230625 2210	1.7	ESE
20230625_2220	1.7	ESE
20230625_2230	1.7	ESE
20230625 2240	1.9	ESE
20230625_2250	1.7	ESE
20230625_2300	1.7	E
20230625_2310	1.7	ESE
20230023 2310	1.4	
20230625_2320 20230625_2330 20230625_2340	1.4	ESE E
20230625_2330	1.7	1
20230625 2340	1.4	ESE
20230625_2350	1.9	E

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)	2.2	
20230626_0000 20230626_0010	2.2	E
20230626_0010	1.7	E
20230626_0020	1.7	E
20230626 0040	1.1	E
20230626_0050	1.4	Ē
20230626_0100	11	Ē
20230626_0110	1.1	ESE
20230626_0120	1.4	ESE
20230626 0130	1.4	ESE
20230626_0140	0.8	ESE
20230626_0150	1.1	ESE
20230626 0200	1.1	ESE
20230626_0210	1.7	ESE
20230626_0220	1.1	ESE
20230626 0230	0.8	ESE
20230626_0240 20230626_0250	0.8	SE
20230626_0250	1.4	ESE
20230626 0300	1.4	ESE
20230626_0310	0.8	ENE
20230626 0320	0.3	ESE
20230626 0330	0	N
20230626_0340	0.3	SE
20230626_0350	1.1	E
20230626 0400	0.8	E
20230626_0410	0	N
20230626_0420	0	N
20230626 0430	0.3	-
20230626_0440 20230626_0450	1.1	SE ESE
	0.8	SE
20230626 0500 20230626 0510	1.1 0.8	SE
20230626_0520	1.1	ESE
20230626_0520	1.4	ESE
20230626_0540	0.8	SE
20230626_0550	0.8	ESE
20230626_0550	0.3	ESE
20230626_0610	0.3	ESE
20230626_0620	0.6	ESE
20230626 0630	0.8	E
20230626_0640	1.4	ESE
20230626_0650	0.3	SE
20230626 0700	1.4	ESE
20230626_0710	1.7	ESE
20230626_0720	1.7	ESE
20230626 0730	2.5	ESE
20230626 0740	2.2	ESE
20230626_0750	2.2	ESE
20230626 0800	2.2	ESE
20230626_0810	1.7	E
20230626_0820	1.4	E
20230626_0830	1.9	E
20230626_0840	1.7	E
20230626_0850	2.2	E
20230626_0900	2.2	E
20230626_0910	1.9	E
20230626_0920	2.2	ESE
20230626_0930	2.2	E
20230626_0940	2.2	E
20230626_0950	1.7	ESE
20230626_1000	1.7	ESE
20230626 1010	2.5	ESE
20230626_1020 20230626_1030	2.8 2.5	ESE
	2.5	ESE
20230626 1040		ESE
20230626_1050 20230626_1100	2.8 2.8	ESE
	2.8	
	3.3	ESE
20230626_1120		ESE
20230626_1130 20230626_1140	2.8 3.6	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230626_1200	3.3	ESE
20230626 1210	3.3	E
20230626_1220	3.1	ESE
20230626 1230	2.5	ESE
20230626_1250	3.3	ESE
20230626_1250	3.3	E
20230626_1300	2.8	E
20230626_1310	3.3	Е
20230626_1320	3.9	E
20230626_1330	3.3	E
20230626_1340	3.3	Е
20230626_1350	3.3	Ē
20230626 1400	2.8	E
20230626_1410	2.5	ESE
20230020_1410		
20230626_1420	2.2	SE
20230626 1430	2.8	SSE
20230626_1440	2.5	SSE
20230626_1450	2.5	SSE
20230626 1500	2.2	SSE
20230626_1510	1.9	SE
20230626_1520	2.8	SSE
20230020_1320		
20230626 1530	2.8	SSE
20230626_1540	2.8	SSE
20230626_1550	2.5	SSE
20230626 1600	2.2	SE
20230626_1610	2.5	ENE
20230626 1620	2.8	E
		ESE
20230626 1630	2.8	
20230626_1640	3.1	E
20230626_1650	3.1	ESE
20230626 1700	3.1	E
20230626 1710	2.8	Е
20230626 1720	2.8	Е
20230626 1730	3.3	E
20230626 1740	3.1	ESE
20230626_1750	2.8	E
20230626 1800	2.8	E
20230626_1810	3.1	Е
20230626 1820	3.1	ESE
20230626 1830	2.5	E
20230626 1840	2.8	Ē
20230626 1850	2.5	ESE
20230626 1900	3.1	ESE
20230626_1910	2.2	ESE
20230626_1920	2.5	E
20230626 1930	1.9	E
20230626 1940	2.2	ESE
20230626 1950	1.9	ESE
20230626 2000	1.7	E
20230626 2010	1.9	E
	1.9	
20230626_2020		ESE
20230626_2030	1.9	E
20230626_2040	1.7	E
20230626_2050	1.7	E
20230626 2100	1.4	Ē
20230626 2110	1.7	E
20230626 2120	1.7	ESE
	1.4	ESE
20230626_2140	1.1	SE
20230626_2150	1.4	ESE
20230626_2200	1.4	SE
20230626 2210	1.1	ESE
20230626 2220	1.1	ESE
20230626_2230	1.4	E
20230626 2240	0.8	ESE
20230626_2250	1.4	ESE
20230626 2300	1.4	ESE
20230626 2310	0.8	SSE
20230626_2320	0.8	E
		L2
		SCM
20230626 2330	0.6	SSW
		SSW SSE SSW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230627_0000	0	N
20230627 0010	0	N
20230627_0020	0	N
20230627_0030	0	N
20230627 0040	0	Ν
20230627_0050	0.3	SE
20230627_0100	0	N
20230627_0110	0.3	ESE
20230627_0120	0.3	ESE
20230627_0130	0.3	-
20230627_0140	0	N
20230627_0150 20230627_0200	0.3	E
	0.3	ENE
20230627_0210 20230627_0220	0 0.6	N SW
20230627_0220 20230627_0230	0.8	S
20230627_0240	0.8	SSE
20230627_0240	0.5	SE
20230627_0250	1.1	SE
20230627 0300	0.3	ESE
20230627_0320	0	N
20230627 0330	0	N
20230627_0340	0	N
20230627_0350	0.3	N
20230627 0400	0	N
20230627_0410	0.3	NNE
20230627_0420	0.8	ESE
20230627 0430	0.3	E
20230627_0440	1.1	E
20230627_0450	1.1	E
20230627 0500	0.3	SSW
20230627_0510	1.1	SSE
20230627_0520	1.7	ESE
20230627 0530	1.4	E
20230627_0540	0.3	SSE
20230627_0550	0.3	S
20230627 0600 20230627_0610	0.3 0.3	NNW ENE
20230627_0610 20230627_0620	0.5	ENE
20230627_0630	1.4	ESE
20230627_0640	1.4	ESE
20230627_0650	0.8	ESE
20230627 0700	1.1	E
20230627_0710	1.1	Ë
20230627_0720	0.8	Ē
20230627 0730	0.8	Ē
20230627_0740	1.4	ESE
20230627_0750	0.8	SE
20230627 0800	1.7	Е
20230627_0810	2.2	ESE
20230627_0820	2.2	ESE
20230627_0830	1.7	ESE
20230627_0840	1.4	E
20230627_0850	1.7	ESE
20230627_0900	1.4	SE
20230627_0910	1.7	ESE
20230627_0920	2.2	ESE
20230627_0930	2.2 0.3	SE
20230627_0940 20230627_0950	0.3	NNE SSW
20230627_0950	0.8	N
20230627_1000	0.3	ENE
20230627 1010 20230627 1020	0.5	WNW
20230627_1020	0.8	S
20230627_1040	0.6	WSW
20230627 1040	1.9	WSW
20230627_1050	1.7	NW
20230627_1100	1.7	NNE
20230627 1110	0.5	NNE
20230627 1130	0.3	NNE
20230627 1140	0	N
20230627_1150	0.3	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230627 1200	0.3	SSW
20230627_1210	0.6	ENE
20230627_1220	0.3	SSE
20230627_1220		WSW
	0.6	
20230627_1240	1.1	WNW
20230627_1250	0.8	S
20230627 1300	0.3	NW
20230627_1310	1.1	
		ESE
20230627_1320	0.3	N
20230627_1330	1.1	NNE
20230627_1340	0.8	NE
20230627 1350	0.8	SSE
20230627 1400	0.3	SSE
20230627_1410	0.3	SE
20230627 1420	0.8	SE
20230627 1430	1.1	S
20230027 1430		SW
20230627_1440	1.7	
20230627_1450	0.6	SSW
20230627 1500	0.3	E
20230627 1510	1.1	E
20230627_1520	0.6	ENE
20230627 1530	0.3	NNE
20230627 1540	0.3	NNE
20230627 1550	0	N
	0,3	SE
20230627_1610	0.8	ESE
20230627_1620	0.3	W
20230627 1630	0.3	NW
20230627 1640	0.5	N
20230627_1650	0.3	SSE
20230627 1700	0.8	E
20230627 1710	1.1	ESE
20230627 1720	0.3	SSE
		100
20230627 1730	0.3	-
20230627_1740	0.3	NE
20230627 1750	0.3	-
20230627_1750	0	N
	0	N
20230627_1820	0.3	SSE
20230627 1830	0.3	E
20230627 1840	0	N
20230627 1850	0	N
20230627 1900	0	N
20230627_1910	0	N
20230627_1920	0	Ν
20230627 1930	0.3	ESE
20230627_1940	0.3	ESE
20230627_1950	0.3	E
20230627 2000	0.6	E
20230627_2010	1.1	ESE
20230627_2020	0.8	SE
20230627_2030	1.1	ESE
20230627_2040	1.7	ESE
20230627_2050	2.2	ESE
20230627_2100		ESE
20230027_2100	1.1	LOE
20230627_2110	0.3	-
20230627_2120	0	N
20230627_2130	0.3	ESE
20230627_2140	0.6	S
20230027_2140		
20230627_2150	0.3	S
20230627_2200	0	N
20230627 2210	0	Ν
20230627_2220	0	N
20230027_2220		
20230627_2230	0	N
20230627 2240	0	Ν
20230627_2250	0	N
20230627_22300	0.3	ESE
20230027_2300		
20230627 2310	1.1	ESE
20230627_2320	1.1	ESE
20230627_2330	0.6	SE
20230627_2320 20230627_2330 20230627_2340 20230627_2350	0.3	SSE
20230027 2340		
20230627_2350	0.8	SE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230628_0000	1.4	SE
20230628_0010	1.7	SE
20230628_0020	1.7	SE
20230628_0030	1.7	SE
20230628_0040	2.2	ESE
20230628_0050	1.7	ESE
20230628_0100	1.4	SSE
20230628_0110 20230628_0120	1.4	SSE SE
20230628_0130	1.7	SE
20230628_0140	1.4	ESE
20230628_0150	1.9	ESE
20230628 0200	1.9	ESE
20230628_0210	1.4	ESE
20230628_0220	0.8	SSE
20230628 0230 20230628_0240	1.1 0.8	SSE SE
20230628_0240	0.8	SSE
20230628 0300	1.4	SSE
20230628_0310	1.7	SSE
20230628_0320	1.1	SSE
20230628 0330	1.4	SSE
20230628_0340	1.1	SE
20230628_0350	1.1	SSE
20230628 0400	1.4	SE
20230628_0410 20230628_0420	1.1	SE SE
20230628_0430	0.6	S
20230628_0440	0.3	S
20230628_0450	0.3	SSE
20230628 0500	0.8	SSE
20230628_0510	1.1	SSE
20230628_0520	1.4	SSE
20230628 0530 20230628_0540	0.3	S
20230628_0540	0.3	SSW
20230628_0600	0.3	SW
20230628_0610	0.3	SE
20230628_0620	0.3	-
20230628 0630	0	N
20230628_0640	0	N
20230628_0650	0.3	WNW
20230628 0700	0	N N
20230628_0710 20230628_0720	0.8	SSE
20230628_0730	0.6	SSE
20230628_0740	0.8	S
20230628_0750	0.8	SSE
20230628 0800	0.8	SSE
20230628_0810	0.8	SSE
20230628_0820 20230628_0830	0.8 0.3	S S
20230628_0830 20230628_0840	0.3	WSW
20230628_0850	0.3	S
20230628_0900	1.4	SSW
20230628_0910	1.4	SW
20230628 0920	1.4	WSW
20230628_0930	2.2	SSW
20230628_0940	3.1	SSE
20230628_0950 20230628_1000	2.5 2.8	S S
20230628_1000	3.3	S
20230628 1010	3.9	<u> </u>
20230628_1020	3.3	S
20230628 1040	3.3	S
20230628 1050	3.3	S
20230628_1100	4.2	SSE
20230628 1110	3.9	S
20230628_1120	2.8	S
20230628_1130	2.8	SSW
20230628 1140 20230628 1150	3.3 4.2	SSW S
20230026_1130	4.2	3

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230628_1200	4.2	S
20230628_1210	3.3	SSW
20230628 1220	3.3	SW
20230628_1220	3.3	S
20230628 1240	2.8	SSW
20230628_1250	3.9	S
20230628_1250	4.2	S
	3.3	S
20230628_1310 20230628_1320		
	4.4	S
20230628_1330	4.4	S
20230628_1340	4.2	SSW
20230628_1350	4.2	SSW
20230628 1400	4.2	SSW
20230628_1410	3.9	S
20230628_1420	3.9	S
20230628 1430	2.8	S
20230628_1440	3.3	SSW
20230628 1450	3.3	SSW
20230628 1500	3.3	S
20230628 1510	3.3	S
20230628_1520	4.7	S
20230628 1530	4.2	S
20230628 1550	3.9	S
20230628_1550	3.1	S
20230628_1550	3.6	S
20230628_1610	3.9	S
20230628_1620	3.9	S
20230628_1630	3.3	SSW
20230628_1640	3.3	SSW
20230628_1650	3.3	SSW
20230628_1700	2.8	S
20230028 1700		S
20230628_1710	3.3	
20230628_1720	3.3	SSW
20230628 1730	2.2	SSE
20230628_1740	2.8	SSE
20230628_1750 20230628_1800	2.8	SE
20230628 1800	2.2 2.2	SSE
20230628_1810		SSE
20230628_1820	2.5	SE
20230628 1830	1.7	SE
20230628_1840	1.1	ESE
20230628_1850	2.2	SE
20230628 1900	1.7	SE
20230628_1910	1.7	SE
20230628_1920	1.1	E
20230628 1930	1.1	E
20230628_1940	1.1	E
20230628 1950	1.1	ESE
20230628 2000 20230628 2010	0.8	SE
20230628 2010	0.8	SE
20230628_2020	0.8	SE
20230628 2030	0.6	E
20230628_2040	0.8	ESE
20230628_2050	1.1	SE
20230628_2000	1.7	ESE
20230628_2110	1.4	ESE
20230628_2120	1.4	SE
20230628 2130	1.4	ESE
20230628_2140	1.4	SE
20230628_2150	1.4	SE
20230628_2150	1.4	SE
20230628_2200	1.4	SE
20230628 2210	1.4	SE SE
20230628_2220 20230628_2230	1.4	SE SE
20230628 2240	0.8	SSE
20230628_2250	0.8	SE
20230628_2300	1.1	ESE
	1.7	ESE
20230628 2310	1.7	
20230628_2320	1.7	SSE
	1.7 1.7 1.4	SSE SSE SSE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230629_0000	1.7	SSE
20230629 0010	1.7	SSE
20230629 0020	1.1	SE
20230629_0030	1.1	SSE
20230629 0040	1.1	SE
20230629_0050	1.4	SE
20230629_0100	1.7	SE
20230629_0110	1.4	SSE
20230629_0120	1.1	S
20230629_0130	1.1	S
20230629_0140	1.1	S
20230629_0150	1.7	S
20230629 0200	1.4	SSE
20230629_0210	1.1	S
20230629_0220	0.8	S
20230629 0230	1.9	S
20230629_0240	1.1	S
20230629_0250	1.4	S
20230629 0300	1.7	S
20230629_0310	0.3	- N
20230629_0320	0	
20230629 0330 20230629_0340	0	N
20230629_0340	0	N
20230629_0330	0.3	NE NNE
20230629 0400		
20230629_0410	0	N N
20230629_0420	0	N
20230629 0430	0	N
20230629_0450	0.3	SW
20230629 0500	0.3	WSW
20230629 0500	0.5	N
20230629_0520	0.3	-
20230629 0530	0	Ν
20230629_0540	Ŭ Û	N
20230629_0550	0	N
20230629 0600	0	Ν
20230629_0610	0	N
20230629_0620	0	N
20230629 0630	0	N
20230629_0640	0	Ν
20230629_0650	0	N
20230629 0700	0	N
20230629_0710	0	N
20230629_0720	0	N
20230629 0730	0.3	ESE
20230629_0740	0.8	E
20230629_0750	1.1	ESE
20230629 0800	1.1	SE
20230629_0810	1.1	SE
20230629_0820	1.1	ESE
20230629_0830	0.8	ESE
20230629_0840	1.7	SSE
20230629_0850 20230629_0900	1.4	SSW
20230629_0900	1.4	SW
20230629_0910	1.7	SW WSW
20230629_0920	1.4	SSW
20230629_0930	1.7	SSW
20230629_0940	2.2	SSW
20230629_0930	2.2	SSW
20230629_1000	1.7	SSE
20230629_1010	2.5	S
20230629_1020	2.8	SW
20230629 1040	1.7	SW
20230629 1050	2.8	S
20230629 1100	3.3	S
20230629_1100	3.3	S
20230629 1110	3.3	S
20230629 1130	3.3	SSW
20230629 1140	2.8	SSW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230629 1200	3.9	WSW
20230629 1210	3.9	SW
20230629_1220	3.3	SSW
20230629_1220	2.8	SSW
20230629_1230		
20230629_1240	3.3	SW
20230629_1250	4.4	SSW
20230629 1300	3.1	SSW
20230629_1310	3.9	SSW
20230629_1310	2.8	S
20230629_1330	3.3	SW
20230629_1340	3.1	SW
20230629_1350	3.3	SSW
20230629 1400	3.3	SSW
20230629_1410	3.3	S
20230629 1420	3.1	SSW
20230629 1430	2.8	S
20230629_1440	2.2	SSW
20230629 1450	2.5	SW
20230629 1500	2.8	SW
20230629 1510	2.5	SW
20230629_1510	2.5	SW
20230629 1530	1.9	SW
20230629_1540	2.5	SW
20230629_1550	1.7	SW
20230629 1600	2.5	SW
20230629 1610	2.2	SSW
20230629_1010	2.5	SSW
20230629 1630	2.2	SSW
20230629_1640	3.1	SW
20230629 1650	3.3	SW
20230629 1700	3.3	SW
20230629 1710	3.3	SW
20230629_1720	2.8	WSW
20230629 1730	2.8	SW
20230629 1740	2.2	SW
20230629 1750	2.5	SSW
20230629 1800	2.5	S
20230629 1800	2.8	SSE
20230629_1820	2.5	SSE
20230629 1830	1.9	SSE
20230629 1840	2.5	SSE
20230629 1850	2.2	SSE
20230629 1900	1.1	ESE
20230629 1900	1.7	
		ESE
20230629_1920	1.9	ESE
20230629 1930	1.4	ESE
20230629_1940	1.1	ESE
20230629 1950	1.7	ESE
20230629 2000	2.5	E
20230629_2010	2.2	E
20230029_2010		L
20230629_2020	2.5	E
20230629_2030	2.5	E
20230629_2040	2.2	Е
20230629_2050	2.2	E
20230629_2100	2.2	ESE
20230629_2110	2.5	ESE
20230029 2110		
20230629_2120		ESE
20230629_2130	2.5	ESE
20230629_2140	2.2	ESE
20230629_2150	1.7	E
20230629_2200	1.1	Ē
20230629 2210	1.7	E
20230029 2210		
20230629_2220	1.4	ESE
20230629_2230	1.7	ESE
	1.7	E
20230629 2240		
20230629 2240 20230629 2250	14	
20230629_2250	1.4	ESE
20230629_2250 20230629_2300	1.4	ESE
20230629_2250 20230629_2300 20230629_2310	1.4 1.7	ESE ESE
20230629_2250 20230629_2300 20230629_2310	1.4 1.7 1.1	ESE ESE ESE
20230629_2250 20230629_2300 20230629_2310	1.4 1.7	ESE ESE
20230629_2250 20230629_2300 20230629_2310 20230629_2320	1.4 1.7 1.1	ESE ESE ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230630_0000	1.1	SE
20230630_0010	0.8	ESE
20230630_0020	1.1	ESE
20230630_0030	1.1	SE
20230630_0040	0.8	SE
20230630_0050	0.8	ESE
20230630_0100 20230630_0110	0.8	ESE SE
	1.1	SE
20230630_0120 20230630_0130	1.4	SE
20230630_0150	1.4	SE
20230630 0150	1.1	S
20230630 0200	1.1	SE
20230630_0210	1.1	SE
20230630_0220	0.8	SSE
20230630 0230	0.8	SE
20230630_0240	0.3	S
20230630_0250		SE
20230630 0300 20230630_0310	0.8	ESE SW
20230630_0310	0.3 0.8	WNW
20230630_0320	0.8	WSW
20230630_0340	0.3	SSW
20230630 0350	0.3	NE
20230630 0400	0.8	NE
20230630_0410	0.3	Е
20230630 0420	0	N
20230630 0430	0.3	SE
20230630_0440	0	N
20230630_0450 20230630_0500	0.3	NNW N
20230630_0500	0	N
20230630_0510	0.8	SSE
20230630 0530	0.3	ESE
20230630_0540	0	N
20230630_0550	0.3	S
20230630 0600	0	N
20230630_0610	0.3	N
20230630_0620	0.8	ENE
20230630 0630	0.3	ENE
20230630_0640 20230630_0650	0.3	Ν
20230630_0000	0.3	-
20230630_0710	1.1	E
20230630 0720	1.7	Ē
20230630 0730	1.4	Е
20230630_0740	1.4	ESE
20230630_0750	1.7	E
20230630 0800	2.2	ESE
20230630_0810	2.5	E
20230630_0820 20230630_0830	1.7	E ENE
20230630_0830	1.7	E
20230630_0840	1.4	ESE
20230630_0850	1.9	ENE
20230630_0910	1.7	ENE
20230630_0920	1.4	WSW
20230630_0930	1.1	NNW
20230630_0940	1.1	WSW
20230630_0950	1.4	SW
20230630_1000	1.4	SW
20230630 1010 20230630 1020	0.3	NNW NNW
20230630_1020	0.3	ININ W
20230630_1030	0.3	NNE
20230630 1040	1.1	NE
20230630 1100	0.8	NNE
20230630 1110		
20250050 1110	1.1	NNE
20230630_1120	0.8	NNE
20230630_1120 20230630_1130	0.8 0.3	NNE NW
20230630_1120	0.8	NNE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM) 20230630_1200	17	ENE
20230630_1210	1.7	ENE
20230630_1210 20230630_1220	1.1	ESE
20230630 1230	0.3	ESE
20230630 1240	0.5	E
20230630 1250	0.6	NE
20230630 1300	1.1	NNE
20230630 1310	0.8	ENE
20230630_1310	0.8	NNE
20230630_1320	0.8	NNE
20230630 1330	11	E
	1.1	E
20230630_1350	2.2	
20230630 1400	2.2	ESE
20230630_1410	2.8	
20230630_1420		E
20230630 1430	2.8	E
20230630_1440	2.2	ENE
20230630_1450	1.7	E
20230630 1500	2.2	E
20230630_1510	2.5	E
20230630_1520	2.2	ESE
20230630 1530	2.2	E
20230630_1540	2.5	E
20230630_1550	2.8	E
20230630 1600	2.5	ESE
20230630_1610	2.5	ESE
20230630_1620	2.2	ESE
20230630 1630	2.5	E
20230630_1640	2.2	ESE
20230630_1650	2.2	ESE
20230630 1700	1.9	ESE
20230630_1710	2.2	E
20230630 1720	1.4	E
20230630 1730	1.7	ESE
20230630 1740	2.2	ESE
20230630 1750	1.7	ESE
20230630 1800	1.4	Е
20230630 1810	1.4	Ē
20230630 1820	1.9	ESE
20230630 1830	2.2	ESE
20230630 1840	1.7	ESE
20230630 1850	2.2	ESE
20230630 1900	1.9	E
20230630 1910	1.7	Ē
20230630 1920	1.4	E
20230630 1930	1.1	E
20230630 1930	0.8	ENE
20230630 1950	1.1	ENE
20230630 2000	1.4	E
20230630 2010	0.6	ENE
20230630_2020	0.3	NNE
20230630 2030	0.3	E
20230630 2040	0.5	SE
20230630_2040	1.4	SE
20230630_2030	2.2	ESE
20230630_2100		ESE
20230630_2110 20230630_2120	1.7 1.7	ESE
20230630_2120	1.7	SE
	0.8	SE
20230630_2140 20230630_2150		SSW
20230630_2150	0.3	SSE
20230030_2200	0.8	
20230630 2210	0.3	SSE
20230630_2220	0.8	SSE
20230630_2230	0.8	ESE
20230630 2240	1.1	SE
20230630_2250	0.8	ESE
20230630_2300	1.1	SE
20230630 2310	1.7	ESE
20230630_2320	1.4	ESE
20230630_2330	1.9	SE
	1.9 2.2 1.4	SE SSE SE

North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 7) – June 2023

## Appendix I Waste Flow Table

		Total Qua		of Inert C&D Materials to be Generated Total Quantities of Recyclables Generation Total Quantities of C&D Materials to be Generated from the Contract					Total Quantities of Recyclables Generation				
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in Other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics	Yard Waste (to Y-Park)	Chemical Waste	General Refuse	Others, e.g. non- recyclable yard waste
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
Dec-22	84.77	0	0	0	0	0	0	0	0	11.49	0	7.53	65.75
Jan-23	24.51	0	0	0	0	0	0	0	0	0	0	24.51	0
Feb-23	506.45	0	0	0	0	0	0	0	0	3.16	0	5.85	497.44
Mar-23	9,581.15	0	0	9,187	0	0	0	0	0	3.69	0	6.96	383.5
Apr-23	18,532.07	0	0	18,466	0	0	0	0	0	1.97	0	5.81	58.29
May-23	28,889.61	0	0	28,473	0	0	0	0	0	0	0	7.45	409.16
Jun-23	11,574.89	0	0	11,211	0	0	0	0	0	2.38	0	14.69	346.82
Total	69,193.45	0.00	0.00	67,337.00	0.00	0.00	0.00	0.00	0.00	22.69	0.00	72.80	1,760.96

## 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

Inspection Date:	05 June 2023	Inspected By:	Jason Man			
Time:	14:00	Weather Condition:	Fine			
Participants:	Sylvia Ho (ER), Kristy Wong (Contractor) & Jason Man (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?		$\boxtimes$		
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><u>NRMM labels</u></b> properly affixed on the PMEs?		$\boxtimes$		
B6	Observed dust source(s)	1			
		U Wind eros	sion		
		Vehicle/ E	Equipment	Moveme	nts
		Loading/	unloading	of materi	als
		Others: _			
Air Po	ollution Control (Construction Dust) Regulation				
<u>Part I</u>	Control Requirements for Notifiable Works				
Demo	olition 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

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	$\boxtimes$			N/A
Is the <b>skip</b> for materials transport enclosed by <b>impervious sheeting</b> ?	$\boxtimes$			N/A
II General Control Requirements				
ooundary and entrance				
Are <u>wheel washing facilities</u> with <u>high pressure</u> <u>water jet</u> provided at all site exits if practicable?				
Are the <b>areas of washing facilities</b> and the <b>road</b> <b>section between the washing facilities</b> and the <b>exit point</b> paved with concrete, bituminous materials or hardcores?		$\boxtimes$		
Are the <u>hoarding</u> $\ge$ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?				
ss road				
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?		$\boxtimes$		
Are every <u>main haul road</u> sprayed with water or a dust suppression chemical?		$\boxtimes$		
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?		$\boxtimes$		
Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$		
Is <b>unpaved main haul road</b> wet by water spraying?				
ent and dry pulverized fuel ash (PFA)		<u>.</u>	L	
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
Are the <b>activities of loading, unloading, transfer,</b> handing or storage of bulk cement or dry PFA <u>carried</u> out in a totally enclosed system or facility?	$\boxtimes$			N/A
Is any vent or exhaust fitted with an <u>effective fabric</u> filter or equipment air pollution control system?	$\boxtimes$			N/A
sed earth				
Is the exposed earth properly treated by <u>compaction, turfing, hydroseeding, vegetation</u> <u>planting or sealing with latex, vinyl, bitumen,</u> <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?				
	floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding? Is the <u>skip</u> for materials transport enclosed by <u>impervious sheeting</u> ? Il General Control Requirements coundary and entrance Are wheel washing facilities with high pressure water jet provided at all site exits if practicable? Are the <u>areas of washing facilities</u> and the <u>road</u> section between the washing facilities and the <u>road</u> section between the washing facilities and the <u>exit point</u> paved with concrete, bituminous materials or hardcores? Are the <u>hoarding</u> ≥ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public? ss road 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? Are every <u>main haul road</u> sprayed with water or a dust suppression chemical? 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? Are appropriate <u>speed limit sign</u> displayed? Is <u>unpaved main haul road</u> wet by water spraying? ent and dry pulverized fuel ash (PFA) Is every stock of <u>more than 20 bags of cement</u> or dry pulverized fuel ash (PFA) carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an <u>effective fabric filter or equipment air pollution control system</u> ? sed earth Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, 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	provided to enclose the scaffolding from the ground       Image: State St	provided to enclose the scaffolding from the ground floor level up to the highest level of the scaffolding?       □         is the <u>skip</u> for materials transport enclosed by impervious sheeting?       □         Il General Control Requirements       □         poundary and entrance       □         Are wheel washing facilities with high pressure water jet provided at all site exits if practicable?       □         Are the areas of washing facilities and the road section between the washing facilities and the road section between the washing facilities and the road section between the section between the section between the section between the section between the use of the public?         Are the hoarding ≥ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?       □         ss road       □       □         Are every main haul road (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?       □         Are every main haul road section entrace or exit kept       □       □         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?       □         Are appropriate <u>speed limit sign</u> displayed?       □       □         Is every stock of more than 20 bag	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? <ul> <li>is the skip for materials transport enclosed by impervious sheeting?</li> <li>ideneral Control Requirements</li> </ul> coundary and entrance           Are wheel washing facilities with high pressure water jet provided at all site exits if practicable? <ul> <li>in exiting facilities and the road section between the washing facilities and the road section between the washing facilities and the road section between the washing facilities and the site boundary near a road, street, service lane or other area accessible to the public?</li> </ul> <ul> <li>in any 30 minutes) paved with concrete, bituminous materials, hardcorres or metal plates, and kept clear of dusty materials?</li> <li>Are every main haul road sprayed with water or a dust suppression chemical?</li> <li>is the portion of any road leading only to construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?</li> <li>is unpaved main haul road wet by water spraying?</li> <li>is unpaved main haul road wet by water spraying?</li> <li>is unpaved main haul road wet by water spraying?</li> <li>is every stock of more than 20 bags of cement or dry pulverized fuel ash (PEA)</li> <li>is any vent or exhaust filled with an effective fabric during or storage of bulk cement or dry PFA <u>carried</u> out in a totally enclosed system or facilit?</li> <li>is any vent or exhaust filled with an effective fabric filter or equipment air pollution control system?</li> <li>is any vent or exhaust filled with an effective fabr</li></ul>

Part I	Part IV Control Requirements for Individual Activities								
<u>Stocl</u>	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>		$\boxtimes$						
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>								
	traffic cones?								
	ing, unloading or transfer of dusty materials		1	I					
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 <b><u>all trucks loaded</u></b> 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 <b>vehicle movements</b> confined to designated roads?		$\boxtimes$						
<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.	$\boxtimes$			N/A				
<u>Debr</u>	is 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 <b><u>debris is dumped</u></b> into a debris chute?	$\boxtimes$			N/A				

<u>Exca</u>	vation or earth moving		
B34	Are the working area of any excavation or earth moving operation <b>sprayed with water</b> 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?	$\boxtimes$	

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/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 <sup>2</sup> ) <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?		$\boxtimes$		
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?		$\boxtimes$		
C13	<b><u>QPME</u></b> used with valid noise labels?				
C14	Major noise source(s)				
Traffic					
	Construction activities inside of site				
			ion activiti	es outsid	e of site
		Others:			

## Report No. 0053-20230605

(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-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 <b>exposed slope surfaces</b> 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 <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 <u>deposited silt</u> and <u>grit</u> 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 <b>open stockpiles</b> of <b>construction materials</b> e.g. aggregates and sand of more than 50m <sup>3</sup> on site covered with tarpaulin or similar fabric during rainstorms?		$\boxtimes$		
D9a	Are <b>manholes</b> adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$		

D9b	Are the <b>discharges</b> of <b>surface run-off</b> into foul sewer always prevented?			
D10a	Are particular attention paid to the control of <u>silty</u> <u>surface runoff</u> during <u>storm event</u> ?			Refer to Reminder 1
D10b	<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> <li>ii. <u>Temporarily exposed slope surfaces</u> should be cover by tarpaulin.</li> <li>iii. <u>Temporary access roads</u> should be protected by crushed stone or gravel.</li> <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> <li>v. <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>			Refer to Reminder 1
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>			Refer to Reminder 1
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>			Refer to Reminder 1
D11a	Are <u>all vehicles</u> and <u>plant</u> cleaned before leaving a construction site?			
D11b	Is the <b>wheel washing bay</b> provided at every site exit?			
D11c	Are the <u>vehicle wash-water</u> have sand and silt 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> <u>wheel washing bay and the public road</u> paved with backfill?		$\boxtimes$	
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 <u>oil interceptors</u> 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?		$\boxtimes$		
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)?		$\boxtimes$		
D16	Are <u>site drainage systems</u> provided over the entire project site with sediment control facilities?		$\square$		
D17	Are <u>sedimentation tanks</u> provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D18	Is there any <u>sediment plume</u> observed in nearby watercourses?			$\boxtimes$	
Sewac	ge Effluent from Workforce (On-site sanitary facilities	s)			
D19a	Are <b>portable chemical toilets</b> and <b>sewage holding</b> <b>tanks</b> provided?				
D19b	Is the <u>sewage generated from toilets</u> collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$		
D20	Are the <u>notices</u> posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment?		$\boxtimes$		
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 <u>maintenance of equipment</u> involving activities with potential for leakage and spillage undertaken within the areas?	$\boxtimes$			N/O
D21c	Is <u>chemical leakage</u> or <u>spillages</u> contained and cleaned up immediately?	$\boxtimes$			N/O
Surfa	ce Water Drainage System				
D22a	Is the <b>temporary surface water drainage system</b> provided to manage runoff?				
D22b	Does the system consist of <u><b>channel</b></u> 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?		$\boxtimes$		
D22d	Is the <u>erosion</u> minimised?				
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?		$\boxtimes$		
D23b	Is the regular <u>cleaning</u> carried out to prevent blockage of the passage of waste flow in silt fence?		$\boxtimes$		

(Construction Phase)

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>	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 <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 <b>general fill</b> ?		$\boxtimes$					
E6b	Are the <u>steel reinforcement bars</u> 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 <u>use of reusable steel formwork</u> maximise?		$\boxtimes$					
E7a	Are the <b>temporary stockpiles</b> maintained regularly?		$\boxtimes$					
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> ?		$\boxtimes$					
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$					
E9	Is <u>hydroseeding</u> of the topsoil on the <u>stockpile</u> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$					
E10	Is the <b>nomination</b> of <b>approved personnel</b> 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 cle proper waste management procedures chemical waste handling, and waste reduct and recycling concept implemented?	including ion, reuse				
E12	Are the <u>regular cleaning</u> and <u>main</u> <u>programme</u> for drainage systems, su interceptors?	ımps, oil		$\boxtimes$		
E13a	Are <b>wood</b> , <b>steel</b> and <b>other metals</b> separation use and/or recycling?	ted for re-		$\square$		
E13b	Do the <b>excavated materials</b> appear contain	minated?			$\boxtimes$	
E13c	If suspected contaminated, appropriate <b>pro</b> followed?	ocedures	$\boxtimes$			N/A
E14	Is the <b>disposal</b> of <b>C&amp;D materials</b> avoided sensitive locations e.g. agricultural lands et	c.?		$\square$		
E15	Are the <b>public fill</b> and <b>C&amp;D waste segreg</b> <b>stored</b> in different containers or skips to reuse or recycling of materials and the disposal?	enhance				
Chemi	ical Waste / Waste Oil					
E16	Are <u>chemicals</u> and <u>waste oil</u> recycled or properly?	disposed				Refer to Observation
Chem	cal Packaging			1		
E17a	Have the <u>containers</u> a capacity of <u>&lt;450 L</u> u specification has been approved by EPD?	unless the	$\boxtimes$			
E17b	Are the <u>containers</u> (holding, resistant to maintained in a good condition, and secure		$\boxtimes$			
Chemi	used for storage of chemical wastes?					
E18	Is chemical waste or waste oil <u>stored</u> and <u>la</u> English and Chinese properly in designate Capacity of Dimensions of Label Container	ed area?				
	< 50L         No less than 90 x 100m           50 to 450L         No less than 120 x 150m           > 450L         No less than 180 x 200m	mm				
<u>Chem</u>	<u>ical Waste / Fuel Storage Area</u>					
E19a	Are the <u>storage area</u> are clearly labe separated (if needed)?		$\boxtimes$			N/O
E19b	Are the <u>storage area</u> enclosed <u>3 sides</u> <u>fence of ≥2m tall</u> and bounded with adequ capacity (>110% of largest container) of storage area allow <u>storage of 20% of tota</u> of waste?	uate bund or do the	$\boxtimes$			N/O
E19c	Do the <u>storage areas</u> have adequate <u>v</u> and be covered to prevent rainfall enter reduce heat from sunlight?		$\boxtimes$			N/O
E19d	Are the <b>fuel tanks</b> and <b>chemical stora</b> provided with locks and sited on sealed are		$\boxtimes$			N/O
E20	Is chemical waste collected by <u>license</u> <u>collectors</u> and disposed of at <u>licensed fa</u> Chemical Waste Treatment Centre?					

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<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	
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.?		$\boxtimes$			
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?					
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 forced ventilation implemented for works 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?		$\boxtimes$			

	*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.	$\boxtimes$	
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: •CH4: 0-100% and LEL: 0-100%/v •CO <sub>2</sub> : 0-100% •O <sub>2</sub> : 0-21%		
F17a	Periodically during groundwork construction, Is the works area monitored for CH <sub>4</sub> CO <sub>2</sub> and O <sub>2</sub> 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>		

	<ul> <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> <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 <b>confined within</b> site boundaries?		$\square$		
G2	Is <b>damage</b> to surrounding areas <b>avoided</b> ?				
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?		$\square$		
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> ?		$\square$		
Existing tree preservation					
G7	Are <b>existing</b> and <b>affected tree</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. 0053-20230605

## (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 unrooting trees at Portion A was removed by contractor.
- 2. The sand and soil near the channel at Portion E3-1 was removed by contractor.
- 3. The entrance / exit at Portion B2 was cleaned by contractor.

#### Observation(s):

1. The accumulate water is found the drip tray at Portion D.

#### Reminder(s):

1. The contractor has been reminded that the particular attention should be paid to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.

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

1. The contractor has been recommended that the accumulate water in drip tray should be cleared regularly and after rainy to minimize the potential chemical waste.

Report No. 0053-20230605

Environmental Site Inspection Checklist (Rev. 3)

(Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:	M	, , ,	M	fto.
Name:	Jason Man		Kristy Wong	Sylvia Ho
Date:	5 Jun 2023	1	5 Jun 2023	5 Jun 2023

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Environmental Site Inspection Checklist (Rev. 3)

#### 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

## Report No. 0053-20230605

	Waiting for Contractor's Input
The Contractor has been reminded to cover the waste skip with impervious sheets during rainfall, to avoid accumulation of waste and to implement waste sorting.	
2 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.	e unrooting trees at Portion A was removed by contractor.





Observation and Recommendation	Follow-up status
29 May 2023         Observation:         Slope protection work in Portion A shall be maintained properly to minimize dust dispersion and surface runoff.	Waiting for Contractor's Input
29 May 2023         Observation:         The accumulated uprooting trees is found behind the wetsep in Portion B2.	Waiting for Contractor's Input

Environmental Site Inspection Checklist (Rev. 3)

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

Observation and Recommendation	Follow-up status
Observation:	
<ol> <li>The accumulate water is found the drip tray at Portion D. The contractor has been recommended that the accumulate water in drip tray should be cleared regularly and after rainy to minimize the potential chemical waste.</li> </ol>	

Observation and Recommendation	Follow-up status
Reminder:	
2. The contractor has been reminded that the particular attention should be pai to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.	

## Environmental Site Inspection Checklist (Rev. 3)

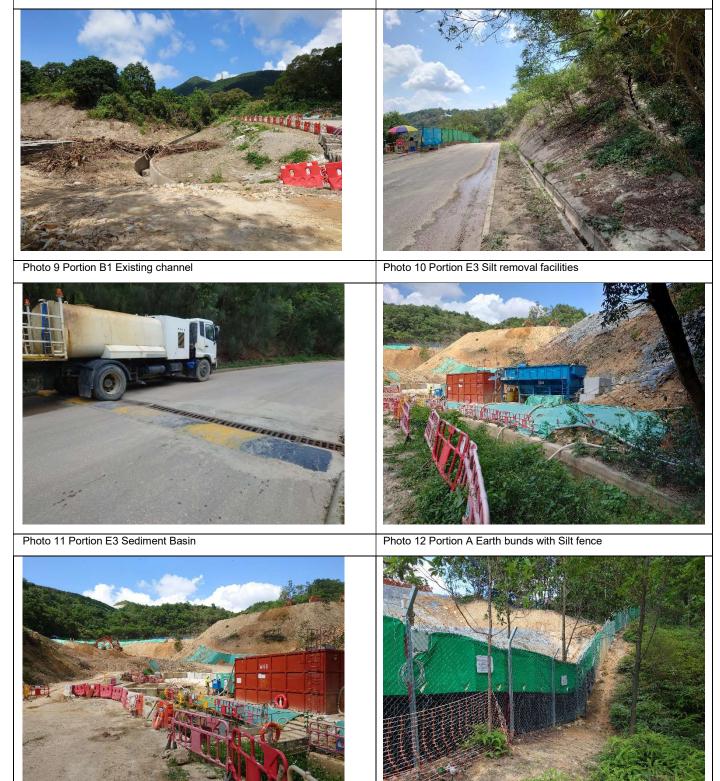
## PART III Temporary Drainage System Photo Record during the environmental site inspection



Environmental Site Inspection Checklist (Rev. 3)

Photo 7 Portion B1 Existing channel

Photo 8 Portion B1 Existing channel



# Report No. 0054-20230612

## (Construction Phase)

Inspection Date:	12 June 2023	Inspected By:	Andy Ng				
Time:	14:00	Weather Condition:	Sunny				
Participants:	Svlvia Ho (ER), V.C. Lau (Contract	au (Contractor), Kristy Wong (Contractor) & Andy Ng (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?		$\boxtimes$		

-		N/A or Not	Mar				
В	Air Quality	Observed	Yes	No	Remarks / Photo		
B1	Is <b>open burning</b> avoided?		$\boxtimes$				
B2	Are <b><u>plant</u></b> and <u>equipment</u> 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?			$\boxtimes$	Refer to Observation 2		
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 materia	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 <u>scaffolding</u> erected around the perimeter of a building under construction?	$\boxtimes$			N/A		

			1			
B9	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	$\boxtimes$			N/A	
	the first floor level up to the highest level of the					
	scaffolding?					
B10	Is the <b>skip</b> for materials transport enclosed by					
DIO	impervious sheeting?	$\boxtimes$			N/A	
	impervious sneeting:			l		
Part I	Il General Control Requirements					
Site b	oundary and entrance					
B11	Are wheel washing facilities with high pressure					
	water jet provided at all site exits if practicable?		$\boxtimes$			
B12	Are the <u>areas of washing facilities</u> and the <u>road</u>					
DIZ	_					
	section between the washing facilities and the		$\boxtimes$			
	exit point paved with concrete, bituminous materials					
	or hardcores?					
B13	Are the <b><u>hoarding</u></b> $\ge$ 2.4m tall provided at the site					
	boundary near a road, street, service lane or other		$\boxtimes$			
	area accessible to the public?					
Asses	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,		$\boxtimes$			
	hardcorres or metal plates, and kept clear of dusty					
	materials?					
B15	Are every main haul road sprayed with water or a		$\boxtimes$			
	dust suppression chemical?					
B16	Is the portion of any road leading only to construction					
	site (within 30m of a vehicle entrance or exit) kept		$\boxtimes$			
	clear of dusty materials?					
B17	Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$			
B18	Is unpaved main haul road wet by water spraying?					
Ceme	nt and dry pulverized fuel ash (PFA)					
B19	Is every stock of more than 20 bags of cement or					
	dry pulverized fuel ash (PFA) covered entirely by	$\boxtimes$			N/O	
	impervious sheeting or placed in an area sheltered				N/O	
	on the top and 3 sides?					
B20	Are the activities of loading, unloading, transfer,					
	handing or storage of bulk cement or dry PFA	$\boxtimes$			N/A	
	<b><u>carried</u></b> out in a totally enclosed system or facility?					
B21	Is any vent or exhaust fitted with an <u>effective fabric</u>					
021	filter or equipment air pollution control system?	$\boxtimes$			N/A	
	Exposed earth					
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		$\boxtimes$			
	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	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 practicable within 24 hours of the <u>excavation or unloading</u>?</li> </ul>		$\boxtimes$		
B24	Is the stockpile of dusty materials avoid to be extend beyond the <b>pedestrian barriers, fencing or</b> traffic cones?				
Load	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 <b>all trucks loaded</b> 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?		$\boxtimes$		
B28	Are <b>loaded dump trucks</b> covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$		
B29	Are site <b>vehicle movements</b> confined to designated roads?		$\boxtimes$		
<u>Pneu</u>	matic or power-driven drilling, cutting and polishing	1			
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 <b>impervious</b> <b>sheeting</b> or stored in a <b>debris collection area</b> sheltered on the top and the 3 sides?	$\boxtimes$			N/A
B32	Are every <b><u>debris chute</u></b> shall be enclosed by impervious sheeting or similar materials?	$\boxtimes$			N/A
B33	Are the watering spray or a dust suppression chemical conducted before <b><u>debris is dumped</u></b> 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?		
Site o	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?	$\boxtimes$	

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> ?		$\boxtimes$			
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 <sup>2</sup> ) <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?		$\boxtimes$			
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 <b><u>compressor</u></b> operated with doors closed?		$\boxtimes$			
C13	<b><u>QPME</u></b> used with valid noise labels?					
C14	Major noise source(s)					
		Traffic				
	Construction activities inside of site					
		Construction activities outside of site				
		Others: _				

# (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>sediment/ silt traps</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><u>overall slope</u></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>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 <sup>3</sup> on site covered with tarpaulin or similar fabric during rainstorms?		$\boxtimes$		
D9a	Are <u>manholes</u> adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$		

D9b	Are the <b>discharges</b> of <b>surface run-off</b> 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> ?			$\boxtimes$	Refer to Reminder 1
	Are the precautions to be taken at <b>any time</b> of year when rainstorms are likely? (Appendix A2 of ProPECC PN 1/94)				
D10b	<ul> <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> <li>ii. <u>Temporarily exposed slope surfaces</u> should be cover by tarpaulin.</li> </ul>			$\boxtimes$	Refer to
	iii. <u>Temporary access roads</u> should be protected by crushed stone or gravel.				Reminder 1
	<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>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 <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>				Refer to Reminder 1
	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.			$\boxtimes$	Refer to Reminder 1
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 <b>vehicle wash-water</b> have sand and silt settled out and removed at least on a weekly basis?		$\boxtimes$		
D11d	Is the <b><u>wheel wash</u></b> overflow directed to silt removal facilities before being discharged to the storm drain?		$\square$		
D11e	Is the section of <b>construction road between the</b> wheel washing bay and the public road paved with backfill?				
D11f	Is the treated wastewater reused for <u>vehicle</u> washing, dust suppression and general cleaning?		$\boxtimes$		
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?		$\boxtimes$		
D13	Are the <b>construction solid waste</b> , <b>debris</b> and <b>rubbish</b> 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)?		$\boxtimes$		
D16	Are <u>site drainage systems</u> provided over the entire project site with sediment control facilities?		$\boxtimes$		
D17	Are <u>sedimentation tanks</u> provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D18	Is there any <u>sediment plume</u> observed in nearby watercourses?			$\boxtimes$	
Sewag	e Effluent from Workforce (On-site sanitary facilities	5)			
D19a	Are <b>portable chemical toilets</b> and <b>sewage holding</b> <b>tanks</b> provided?				
D19b	Is the <u>sewage generated from toilets</u> collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$		
D20	Are the <b><u>notices</u></b> posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment?		$\boxtimes$		
Accide	ental Spillage of Chemical (Service workshop and m	aintenance fac	ilities)		
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 <u>maintenance of equipment</u> 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
Surfa	ce Water Drainage System				
D22a	Is the <b>temporary surface water drainage system</b> provided to manage runoff?		$\boxtimes$		
D22b	Does the system consist of <b><u>channel</u></b> as constructed around the perimeter of the site area?		$\boxtimes$		
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?		$\boxtimes$		
D22d	Is the <u>erosion</u> minimised?		$\boxtimes$		
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?		$\boxtimes$		
D23b	Is the regular <b><u>cleaning</u></b> carried out to prevent blockage of the passage of waste flow in silt fence?		$\boxtimes$		

(Construction Phase)

Е	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
Waste	Management	e nooi rou			
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?				
E2c	Is waste disposed regularly?		$\times$		
E2d	Regular <u>waste collection</u> by approved waste collector in purpose-built vehicles?		$\boxtimes$		
E3	Burning of refuse on construction site prohibited?		$\times$		
<u>C&amp;D I</u>	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>durable formwork</b> or <b>plastic facing</b> for construction works used?		$\boxtimes$		
E5b	Do the <b>wooden hoardings</b> avoid to be used?		X		
E5c	Is metal hoarding used to enhance the possibility of recycling?		$\boxtimes$		
E6a	Are the concrete and masonry used as general fill?		$\times$		
E6b	Are the steel reinforcement bars 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 use of reusable steel formwork maximise?		$\boxtimes$		
E7a	Are the <b>temporary stockpiles</b> maintained regularly?		X		
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 transportation of waste?		$\boxtimes$		
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$		
E9	Is <b>hydroseeding</b> of the topsoil on the <b>stockpile</b> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$		
E10	Is the <b>nomination</b> of <b>approved personnel</b> to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal implemented?		$\boxtimes$		

				-		
E11	proper waste ma chemical waste ha and recycling cond	of <u>site personnel</u> for cleanliness, anagement procedures including indling, and waste reduction, reuse cept implemented?		$\boxtimes$		
E12		<u>r cleaning</u> and <u>maintenance</u> drainage systems, sumps, oil		$\boxtimes$		
E13a Are <u>wood</u> , <u>steel</u> and <u>other metals</u> separated for re- use and/or recycling?			$\boxtimes$			
E13b	Do the excavated	materials appear contaminated?			$\boxtimes$	
E13c	If suspected conta followed?	aminated, appropriate procedures	$\boxtimes$			N/A
E14	sensitive locations	<b><u>C&amp;D materials</u></b> avoided onto any e.g. agricultural lands etc.?		$\boxtimes$		
E15	stored in differen	and <b>C&amp;D waste segregated</b> and t containers or skips to enhance g of materials and their proper				
Chemi	ical Waste / Waste	Oil				
E16		nd waste oil recycled or disposed				Refer to Observation 1
Chemi	ical Packaging					
E17a		ers a capacity of <u>&lt;450 L</u> unless the been approved by EPD?	$\boxtimes$			
E17b	Are the <b>container</b> maintained in a go	<u>s</u> (holding, resistant to corrosion, od condition, and securely closed) of chemical wastes?	$\boxtimes$			
Chemi	ical Labelling				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				
Chemi	ical Waste / Fuel S	torage Area				
E19a	Are the storage separated (if need	area are clearly labelled and ed)?	$\boxtimes$			N/O
E19b	fence of ≥2m tall capacity (>110%	area enclosed <u>3 sides by walls</u> / and bounded with adequate bund of largest container) or do the storage of 20% of total volume	$\boxtimes$			N/O
E19c	Do the storage a	areas have adequate <u>ventilation</u> to prevent rainfall entering and sunlight?	$\boxtimes$			N/O
E19d		<u>ks</u> and <u>chemical storage areas</u> s and sited on sealed areas?	$\boxtimes$			N/O
E20		e collected by <u>licensed waste</u> sposed of at <u>licensed facility</u> eg. reatment Centre?		$\boxtimes$		

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Reco	rds_		
E21	Is a licensed waste hauler used for waste collection?	$\boxtimes$	
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 <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	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.?		$\boxtimes$		
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 <u>welding</u> , <u>flame-cutting</u> or <u>other hot works</u> 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?		$\boxtimes$		

	*LFG monitoring in excavations should be conducted at < 10mm from exposed ground surface.		
F13	For excavation works, Is <b>LFG monitoring</b> 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?	$\boxtimes$	
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 <sub>4</sub> : 0-100% and LEL: 0-100%/v •CO <sub>2</sub> : 0-100%		
F17a	Periodically during groundwork construction, Is the works area monitored for CH <sub>4</sub> CO <sub>2</sub> and O <sub>2</sub> 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>		

	• Periodically throughout the working day whilst workers are in excavation.		
F19	<ul><li>For excavations 300mm to 1m, are measurements conducted?</li><li>Directly after excavation has been completed;</li></ul>	$\boxtimes$	
	<ul><li>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 <b>confined within</b> site boundaries?		$\square$		
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?		$\square$		
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> ?		$\square$		
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?			$\boxtimes$	

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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 unrooting trees at Portion A was removed by contractor.
- 2. The sand and soil near the channel at Portion E3-1 was removed by contractor.
- 3. The entrance / exit at Portion B2 was cleaned by contractor.

#### Observation(s):

- 1. The stagnant water and silt in the drip trays shall be clear off in Portion B2 and SBA.
- 2. Watering shall be scheduled in Portion A under hot weather.

#### Reminder(s):

1. The Contractor has been reminded to ensure channel and silt removal facilities shall be functioning properly for the upcoming rainfall.

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

- 1. The Contractor has been reminded to clear drip trays.
- 2. The Contractor has been reminded to schedule watering in Portion A.
- 3. Silt removal facility and channel shall be maintained properly.

(Construction Phase)

Environmental Site Inspection Checklist (Rev. 3)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:	Mi	1	Law	40.
Name:	Andy Ng	1	VCLAN	Sylvia Ho
Date:	12 Jun 2023	1	12 Jun 2023	12 Jun 2023

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#### 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.



Follow-up status

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



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

Waiting for Contractor's Input

Observation and Recommendation	Follow-up status
8 May 2023Image: state sta	Waiting for Contractor's Input
22 May 2023	The unrooting trees at Portion A was removed by contractor.

The unrooting trees at Portion A was removed by contractor.



Environmental Site Inspection Checklist (Rev. 3)

Observation and Recommendation	Follow-up status
29 May 2023 Slope protection work in Portion A shall be maintained properly to minimize dust dispersion and surface runoff.	Waiting for Contractor's Input
29 May 2023	Waiting for Contractor's Input



<u>5 June 2023</u>



#### Reminder:

The contractor has been reminded that the particular attention should be paid to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.

Waiting for Contractor's Input

Environmental Site Inspection Checklist (Rev. 3)

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

Observation and Recommendation	Follow-up status
Portion E3-1	
<ul> <li>The stagnant water and silt in the drip trays shall be clear off in Portion B2 and SBA.</li> </ul>	



2. Watering shall be scheduled in Portion A under hot weather.

Portion E3-1



<u>SBA</u>

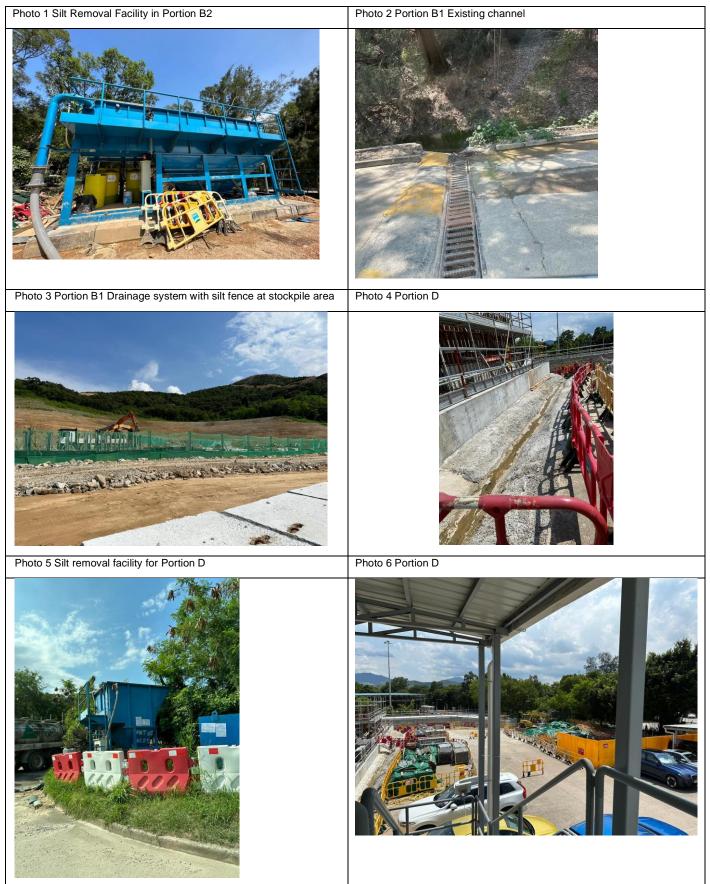


#### Portion B2



3. The Contractor has been reminded to ensure channel and silt removal facilities shall be functioning properly for the upcoming rainfall.

#### PART III Temporary Drainage System Photo Record during the environmental site inspection





Inspection Date:	19 June 2023	Inspected By:	Daisy Au Yeung		
Time:	14:00	Weather Condition:	Sunny		
Participants:	Sylvia Ho (ER), V.C. Lau (Contractor), Kristy Wong (Contractor), Daisy Au Yeung (ET) and Echo Hung (IEC)				

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 <b>open burning</b> avoided?		$\boxtimes$			
B2	Are <b><u>plant</u></b> and <u>equipment</u> 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	B6 Observed dust source(s)					
	Wind erosion					
	Vehicle/ Equipment Movements					
		Loading/ unloading of materials				
		Others:				
Air Pollution Control (Construction Dust) Regulation						
Part I Control Requirements for Notifiable Works						
Demolition 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	
Construction 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 dust screens, sheeting or netting				
	provided to enclose the scaffolding from the ground				
	floor level of the building, or a canopy provided from	$\boxtimes$			N/A
	the first floor level up to the highest level of the				
	scaffolding?				
B10	Is the <b>skip</b> for materials transport enclosed by				
2.0	impervious sheeting?	$\boxtimes$			N/A
					<u> </u>
Part I	I General Control Requirements				
Site b	oundary and entrance				
B11	Are wheel washing facilities with high pressure				
	water jet provided at all site exits if practicable?		$\boxtimes$		
B12	Are the areas of washing facilities and the road				
012	section between the washing facilities and the				
	exit point paved with concrete, bituminous materials		$\boxtimes$		
<b>D</b> 40	or hardcores?				
B13	Are the <u>hoarding</u> $\geq$ 2.4m tall provided at the site				
	boundary near a road, street, service lane or other		$\boxtimes$		
	area accessible to the public?				
Asses	ss road				
B14	Are every main haul road (having a vehicle passing				
	rate of higher than 4 in any 30				
	minutes) paved with concrete, bituminous materials,		$\boxtimes$		
	hardcorres or metal plates, and kept clear of dusty				
	materials?				
B15	Are every main haul road sprayed with water or a				
2.0	dust suppression chemical?		$\boxtimes$		
B16	Is the portion of any road leading only to construction				
DIO	site (within <u>30m of a vehicle entrance or exit</u> ) kept		$\boxtimes$		
	clear of dusty materials?				
D47	-				
B17	Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$		
B18	Is unpaved main haul road wet by water spraying?				
210	to <u>anpavoa main naa road</u> wet by water opiaying.				
Ceme	nt and dry pulverized fuel ash (PFA)				
B19	Is every stock of more than 20 bags of cement or				
	dry pulverized fuel ash (PFA) covered entirely by				N/2
	impervious sheeting or placed in an area sheltered	$\boxtimes$			N/O
	on the top and 3 sides?				
B20	Are the activities of loading, unloading, transfer,				
D20	handing or storage of bulk cement or dry PFA	$\boxtimes$			N/A
					N/A
DO4	<b><u>carried</u></b> out in a totally enclosed system or facility?				
B21	Is any vent or exhaust fitted with an <u>effective fabric</u>	$\boxtimes$			N/A
	filter or equipment air pollution control system?				
	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		$\boxtimes$		
	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	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 practicable within 24 hours of the <u>excavation or</u> <u>unloading</u>?</li> </ul>		$\boxtimes$					
B24	Is the stockpile of dusty materials avoid to be extend beyond the <b>pedestrian barriers, fencing or</b> <u>traffic cones</u> ?							
Load	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 <b>all trucks loaded</b> 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?		$\boxtimes$					
B28	Are <b>loaded dump trucks</b> covered by impervious sheeting appropriately before leaving the site?		$\boxtimes$					
B29	Are site <b>vehicle movements</b> confined to designated roads?		$\boxtimes$					
<u>Pneu</u>	matic or power-driven drilling, cutting and polishing	1						
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>	Debris handling							
B31	Are any debris covered entirely by <b>impervious</b> <b>sheeting</b> or stored in a <b>debris collection area</b> sheltered on the top and the 3 sides?	$\boxtimes$			N/A			
B32	Are every <b><u>debris chute</u></b> shall be enclosed by impervious sheeting or similar materials?	$\boxtimes$			N/A			
B33	Are the watering spray or a dust suppression chemical conducted before <b><u>debris is dumped</u></b> into a debris chute?	$\boxtimes$			N/A			

<u>Exca</u>	Excavation 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?		$\boxtimes$				
Site o	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?		$\boxtimes$				

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 NSRs?		$\boxtimes$				
C4	Are the <b><u>silencers</u></b> or <b><u>mufflers</u></b> 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 <sup>2</sup> ) <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?		$\boxtimes$				
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 <b>compressor</b> operated with doors closed?		$\boxtimes$				
C13	<b><u>QPME</u></b> used with valid noise labels?		$\boxtimes$				
C14	Major noise source(s)						
	Traffic						
		Construction activities inside of site					
			tion activiti	es outside	e of site		
		Others:					

# Report No. 0055-20230619

# (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-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?			$\boxtimes$	Refer to Reminder 2
D2a	Have <u>dikes</u> or <u>embankments</u> for <u>flood protection</u> implemented around the boundaries of earthwork areas?		$\boxtimes$		
D2b	Have <b>temporary ditches</b> 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?		$\boxtimes$		To be treated with shotcrete at part of slope surface.
D5a	Have the <b><u>overall slope</u></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>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 <sup>3</sup> on site covered with tarpaulin or similar fabric during rainstorms?		$\boxtimes$		
D9a	Are <b>manholes</b> adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$		

D9b	Are the <b>discharges</b> of <b>surface run-off</b> 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> ?			$\boxtimes$	Refer to Reminder 1
	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>				
	<ul> <li>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>				Refer to
D10b	iii. <u>Temporary access roads</u> should be protected by crushed stone or gravel.			$\boxtimes$	Reminder 1
	<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> <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>				Refer to Reminder 1
	Are the actions to be taken <u>during</u> or <u>after</u> <u>rainstorms</u> ? (Appendix A2 of ProPECC PN 1/94)				Refer to
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.			$\boxtimes$	Reminder 1
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 <b>vehicle wash-water</b> have sand and silt settled out and removed at least on a weekly basis?		$\boxtimes$		
D11d	Is the <b><u>wheel wash</u></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?		$\boxtimes$		
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?		$\boxtimes$		
D13	Are the <b>construction solid waste</b> , <b>debris</b> and <b>rubbish</b> 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)?		$\boxtimes$		
D16	Are <u>site drainage systems</u> provided over the entire project site with sediment control facilities?		$\boxtimes$		
D17	Are <u>sedimentation tanks</u> provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D18	Is there any <u>sediment plume</u> observed in nearby watercourses?			$\boxtimes$	
Sewag	e Effluent from Workforce (On-site sanitary facilities	5)			
D19a	Are <b>portable chemical toilets</b> and <b>sewage holding</b> <b>tanks</b> provided?				
D19b	Is the <u>sewage generated from toilets</u> collected by licensed contractor and responsible for disposal and maintenance?		$\boxtimes$		
D20	Are the <b><u>notices</u></b> posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment?		$\boxtimes$		
Accide	ental Spillage of Chemical (Service workshop and m	aintenance fac	ilities)		
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 <u>maintenance of equipment</u> 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
Surfa	ce Water Drainage System				
D22a	Is the <b>temporary surface water drainage system</b> provided to manage runoff?		$\boxtimes$		
D22b	Does the system consist of <b><u>channel</u></b> as constructed around the perimeter of the site area?		$\boxtimes$		
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?		$\boxtimes$		
D22d	Is the <u>erosion</u> minimised?		$\boxtimes$		
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?		$\boxtimes$		
D23b	Is the regular <b><u>cleaning</u></b> carried out to prevent blockage of the passage of waste flow in silt fence?		$\boxtimes$		

(Construction Phase)

E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo		
Waste Management							
General 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?		$\times$				
E2c	Is waste disposed regularly?		$\times$				
E2d	Regular <u>waste collection</u> by approved waste collector in purpose-built vehicles?		$\boxtimes$				
E3	Burning of refuse on construction site prohibited?		$\times$				
<u>C&amp;D I</u>	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>durable formwork</b> or <b>plastic facing</b> for construction works used?		$\boxtimes$				
E5b	Do the <b>wooden hoardings</b> avoid to be used?		X				
E5c	Is metal hoarding used to enhance the possibility of recycling?		$\boxtimes$				
E6a	Are the concrete and masonry used as general fill?		$\boxtimes$				
E6b	Are the steel reinforcement bars 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 use of reusable steel formwork maximise?		$\boxtimes$				
E7a	Are the <b>temporary stockpiles</b> maintained regularly?		X				
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 transportation of waste?		$\boxtimes$				
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$				
E9	Is <b>hydroseeding</b> of the topsoil on the <b>stockpile</b> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$				
E10	Is the <b>nomination</b> of <b>approved personnel</b> to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal implemented?		$\boxtimes$				

r					r	1
E11	Are the <u>training</u> of <u>site personnel</u> for cleanline proper waste management procedures inclue chemical waste handling, and waste reduction, re and recycling concept implemented?	ding euse				
E12	Are the <b>regular cleaning</b> and <b>maintena</b> <b>programme</b> for drainage systems, sumps, interceptors?			$\boxtimes$		
E13a	Are <b>wood</b> , <b>steel</b> and <b>other metals</b> separated for use and/or recycling?	r re-		$\boxtimes$		
E13b	Do the excavated materials appear contaminate	əd?			$\boxtimes$	
E13c	If suspected contaminated, appropriate procedu followed?	ires	$\boxtimes$			N/A
E14	Is the <b>disposal</b> of <b>C&amp;D materials</b> avoided onto sensitive locations e.g. agricultural lands etc.?			$\boxtimes$		
E15	Are the <b>public fill</b> and <b>C&amp;D waste segregated</b> <b><u>stored</u></b> in different containers or skips to enhate reuse or recycling of materials and their pro- disposal?	ince				
<u>Chem</u> i	ical Waste / Waste Oil					
E16	Are <u>chemicals</u> and <u>waste oil</u> recycled or disport properly?	sed		$\boxtimes$		
Chemi	ical Packaging					
E17a	Have the <u>containers</u> a capacity of <u>&lt;450 L</u> unless specification has been approved by EPD?	the	$\boxtimes$			
E17b	Are the <u>containers</u> (holding, resistant to corros maintained in a good condition, and securely clos used for <u>storage of chemical wastes</u> ?		$\boxtimes$			
Chemi	cal Labelling			1	1	
E18	Is chemical waste or waste oil <u>stored</u> and <u>labelle</u> <u>English and Chinese</u> properly in designated are 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					
Chemi	cal Waste / Fuel Storage Area					
E19a	Are the <u>storage area</u> are clearly labelled separated (if needed)?	and	$\boxtimes$			N/O
E19b	Are the <u>storage area</u> enclosed <u>3 sides by wa</u> <u>fence of ≥2m tall</u> and bounded with adequate b capacity ( <u>&gt;110% of largest container</u> ) or do storage area allow <u>storage of 20% of total volu</u> <u>of waste</u> ?	und the	$\boxtimes$			N/O
E19c	Do the <b>storage areas</b> have adequate <b>ventilar</b> and be covered to prevent rainfall entering reduce heat from sunlight?	and	$\boxtimes$			N/O
E19d	Are the <b>fuel tanks</b> and <b>chemical storage ar</b> provided with locks and sited on sealed areas?	<u>eas</u>	$\boxtimes$			N/O
E20	Is chemical waste collected by <u>licensed waste</u> <u>collectors</u> and disposed of at <u>licensed facility</u> Chemical Waste Treatment Centre?			$\boxtimes$		

# Report No. 0055-20230619

Recor	<u>Records</u>							
E21	Is a licensed waste hauler used for waste collection?		$\boxtimes$					
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.?		$\boxtimes$			
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 <u>welding</u> , <u>flame-cutting</u> or <u>other hot works</u> 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><u>pipe ends</u></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?		$\boxtimes$			

	*LFG monitoring in excavations should be conducted at < 10mm from exposed ground surface.		
F13	For excavation works, Is <b>LFG monitoring</b> 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?	$\boxtimes$	
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 <sub>4</sub> : 0-100% and LEL: 0-100%/v •CO <sub>2</sub> : 0-100% •O <sub>2</sub> : 0-21%		
F17a	Periodically during groundwork construction, Is the works area monitored for CH <sub>4</sub> CO <sub>2</sub> and O <sub>2</sub> 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>		

	<ul> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	<ul> <li>For excavations 300mm to 1m, are measurements conducted?</li> <li>Directly after excavation has been completed; and</li> </ul>	$\boxtimes$	
	• 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?		$\square$			
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?		$\square$			
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> ?		$\square$			
Existi	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?			$\boxtimes$	

# Report No. 0055-20230619

# (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 unrooting trees at Portion A was removed by contractor.
- 2. The sand and soil near the channel at Portion E3-1 was removed by contractor.
- 3. The entrance / exit at Portion B2 was cleaned by contractor.

# Observation(s):

Nill

# <u>Reminder(s):</u>

- 1. The Contractor has been reminded to ensure silt removal facilities shall be functioning properly for the upcoming rainfall.
- 2. The bunding along the slope edge shall be properly maintained to prevent surface runoff during heavy rainfall at Portion A.

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

- 1. Silt removal facility shall be functioning properly to ensure sufficient treatment for all wastewater before discharging to comply with WPCO.
- 2. Earth bund in Portion A shall be properly maintained.

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		how.	M	40.
Name:	Daisy Au Yeung	Echo Hung	Kristy wong.	Sylvia Ho
Date:	19 Jun 2023	19 Jun 2023	19 Jun 2023	19 Jun 2023

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



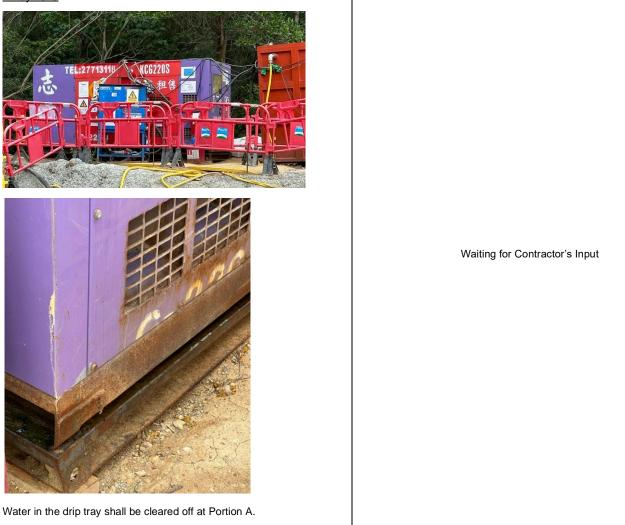
The exposed slope surface near the stream has been covered with impervious sheets as a temporary mitigation measure. Shotcrete will be applied to the exposed surface by the end of April to prevent surface runoff into channel in long term.



Follow-up status

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





Observation and Recommendation	Follow-up status
22 May 2023	The sand and soil near the channel at Portion E3-1 was removed by contractor.



Environmental Site Inspection Checklist (Rev. 3)

Observation and Recommendation	Follow-up status
29 May 2023 Solution: Slope protection work in Portion A shall be maintained properly to minimize dust dispersion and surface runoff.	Slope surface has paved to minimize dust dispersion and surface runoff.
29 May 2023 Where the second	Waiting for Contractor's Input



<u>5 June 2023</u>



#### Reminder:

The contractor has been reminded that the particular attention should be paid to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.

Waiting for Contractor's Input

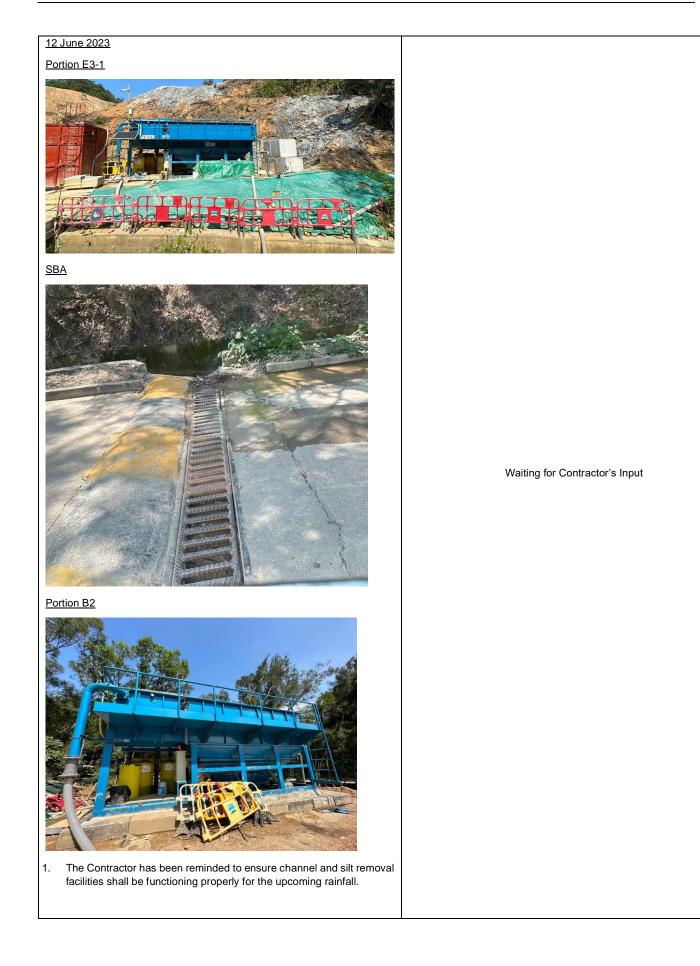


12 June 2023



Waiting for Contractor's Input

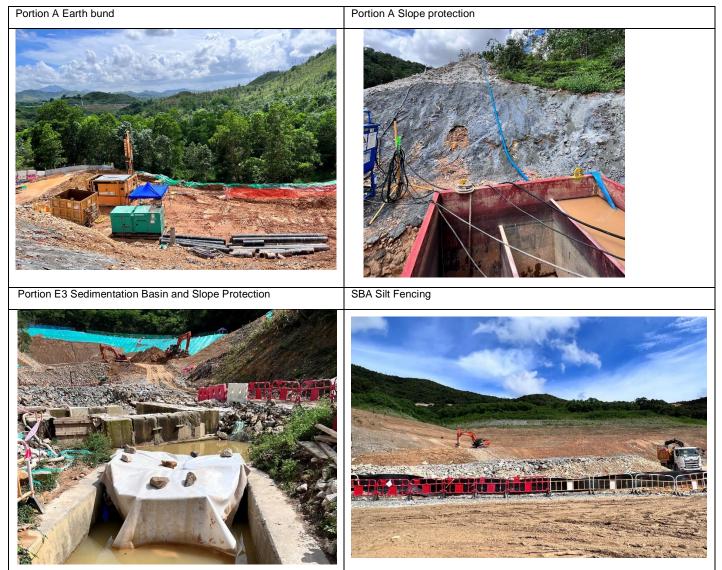
Observation: Watering shall be scheduled in Portion A under hot weather.



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

Observation and Recommendation	Follow-up status
The bunding along the slope edge shall be properly maintained to prevent surface runoff during heavy rainfall at Portion A.	

#### PART III Temporary Drainage System Photo Record during the environmental site inspection



Environmental Site Inspection Checklist	(Rev.	3)	)
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Inspection Date:	26 June 2023	Inspected By:	Jason Man			
Time:	14:00	Weather Condition:	Sunny			
Participants:	Sylvia Ho (ER), V.C. Lau (Contractor), Kristy Wong (Contractor), Jason Man (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 <b>open burning</b> 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 Observed dust source(s)							
	□ Wind erosion						
	Vehicle/ Equipment Movements						
		Loading/ unloading of materials					
		Others: _					
Air Po	ollution Control (Construction Dust) Regulation						
<u>Part I</u>	Control Requirements for Notifiable Works						
Demo	olition 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	Construction 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		

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?				N/A		
Is the <b>skip</b> for materials transport enclosed by <b>impervious sheeting</b> ?	$\boxtimes$			N/A		
II General Control Requirements		1				
oundary and entrance						
Are <u>wheel washing facilities</u> with <u>high pressure</u> <u>water jet</u> provided at all site exits if practicable?		$\boxtimes$				
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?		$\boxtimes$				
Are the <u>hoarding</u> $\ge$ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?		$\square$				
ss road						
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?		X				
Are every <b>main haul road</b> sprayed with water or a dust suppression chemical?		$\boxtimes$				
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?		$\boxtimes$				
Are appropriate <b>speed limit sign</b> displayed?		$\boxtimes$				
Is <b>unpaved main haul road</b> wet by water spraying?			$\boxtimes$	Refer to Reminder 1		
ent and dry pulverized fuel ash (PFA)						
Is every stock of <b>more than 20 bags of cement</b> or dry pulverized fuel ash ( <b>PFA</b> ) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?	$\boxtimes$			N/O		
Are the <u>activities of loading, unloading, transfer,</u> <u>handing or storage of bulk cement or dry PFA</u> <u>carried</u> out in a totally enclosed system or facility?	$\boxtimes$			N/A		
Is any vent or exhaust fitted with an <u>effective fabric</u> filter or equipment air pollution control system?	$\boxtimes$			N/A		
Exposed earth						
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?		$\boxtimes$				
	floor level of the building, or a canopy provided from the first floor level up to the highest level of the scaffolding? Is the <u>skip</u> for materials transport enclosed by <u>impervious sheeting</u> ? Il General Control Requirements coundary and entrance Are wheel washing facilities with high pressure water jet provided at all site exits if practicable? Are the areas of washing facilities and the road section between the washing facilities and the <u>exit point</u> paved with concrete, bituminous materials or hardcores? Are the <u>hoarding</u> ≥ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public? ss road 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? Are every <u>main haul road</u> sprayed with water or a dust suppression chemical? 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Is any vent or exhaust fitted with an <u>effective fabric</u> filter or equipment air pollution control system? <b>sed earth</b> Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or storage of part of the construction site</u>	provided to enclose the scaffolding from the ground       Image: Scaffolding:         Is the skip for materials transport enclosed by       Image: Scaffolding:         Is the skip for materials transport enclosed by       Image: Scaffolding:         Ideneral Control Requirements       Image: Scaffolding:         oundary and entrance       Image: Scaffolding:         Are wheel washing facilities with high pressure water jet provided at all site exits if practicable?       Image: Scaffolding:         Are the areas of washing facilities and the gexito point paved with concrete, bituminous materials or hardcores?       Image: Scaffolding:         Are the hoarding ≥ 2.4m tall provided at the site boundary near a road, street, service lane or other area accessible to the public?       Image: Scaffolding:         st read:       Are every main haul road (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?       Image: Scaffolding:         Are every main haul road sprayed with water or a dust suppression chemical?       Is the portion of any road leading only to construction site (within 30m of a vehicle entrance or exit) kept clear of dusty materials?         Are appropriate speed limit sign displayed?       Image: Scaffolding:	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?       □         Is the <u>skip</u> for materials transport enclosed by impervious sheeting?       □         Id General Control Requirements       □         coundary and entrance       □         Are the <u>areas of washing facilities</u> and the road section between the washing facilities and the road section between the washing facilities and the site boundary near a road, street, service lane or other area accessible to the public?         St reade       □         Are every main haul road (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?         Are every main haul road sprayed with water or a dust suppression chemical?       □         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?       □         Are appropriate <u>speed limit sign</u> displayed?       □       □         Is uppaved main haul road wet by water spraying?       □       □         Is every for any road leading only to construction site (within <u>30m of a vehicle entrance or exit</u> ) kept clear of dusty materials?       □       □         Is uppaved main haul road sprayed with an area sheltered on the top and 3 sides?       □       □	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? <ul> <li>Is the skip for materials transport enclosed by impervious sheeting?</li> <li>Ideneral Control Requirements</li> </ul> coundary and entrance <ul> <li>Ideneral Control Requirements</li> <li>Ideneral Control Requirements</li> </ul> coundary and entrance <ul> <li>Ideneral Control Requirements</li> <li>Ideneral Control Requirements</li> </ul> coundary and entrance <ul> <li>Ideneral Control Requirements</li> </ul> coundary and entrance <ul> <li>Ideneral Control Requirements</li> <li>Ideneral Control Requiremental Requiremental Requiremental Requiremental Requiremental Requiremental Requiremental Requiremental Requiremental Regiremental Requiremental Requiremental Regi</li></ul>		

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 practicable within 24 hours of the <u>excavation or</u> <u>unloading</u>?</li> </ul>		$\boxtimes$				
B24	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 <b>all trucks loaded</b> to a level within the side and tail boards?		$\boxtimes$				
<u>Use c</u>	of vehicles						
B27	Are <b>every vehicle washed Immediately</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 <b>vehicle movements</b> confined to designated roads?		$\boxtimes$				
<u>Pneu</u>	matic or power-driven drilling, cutting and polishing	1					
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 <b><u>debris chute</u></b> 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		

<u>Exca</u>	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?	$\boxtimes$	

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?						
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 <u>temporary hoarding</u> 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 <sup>2</sup> ) <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?		$\boxtimes$				
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)						
		Traffic					
Construction activities inside of site				of site			
	Construction activities outside of site						
		Others:					

# Report No. 0056-20230626

(Construction Phase)

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo		
Construction Runoff							
D1a	At the start of site establishment, are perimeter <u>cut-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 <b>channels</b> , <b>earth bunds</b> or <b>sandbag barriers</b> 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 <b><u>temporary ditches</u></b> provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		$\boxtimes$				
D2c	Are the <b>sediment/ silt traps</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 <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?			$\boxtimes$	Refer to Observation 1		
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 <b>open stockpiles</b> of <b>construction materials</b> e.g. aggregates and sand of more than 50m <sup>3</sup> on site covered with tarpaulin or similar fabric during rainstorms?		$\boxtimes$				
D9a	Are <b>manholes</b> adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		$\boxtimes$				

D9b	Are the <b>discharges</b> of <b>surface run-off</b> 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> ?		$\square$		
	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 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> <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.				
	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.				
	<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>				
	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?		$\boxtimes$		
D11d	Is the <b><u>wheel wash</u></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?		$\boxtimes$		
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?		$\boxtimes$		
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?				
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)?		$\square$		
D16	Are <u>site drainage systems</u> provided over the entire project site with sediment control facilities?		$\square$		
D17	Are <u>sedimentation tanks</u> provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		$\boxtimes$		
D18	Is there any <u>sediment plume</u> observed in nearby watercourses?			$\boxtimes$	
Sewag	e Effluent from Workforce (On-site sanitary facilities	<u>s)</u>			
D19a	Are <b>portable chemical toilets</b> and <b>sewage holding</b> <b>tanks</b> provided?		$\boxtimes$		
D19b	Is the <b>sewage generated from toilets</b> collected by licensed contractor and responsible for disposal and maintenance?		$\square$		
D20	Are the <b><u>notices</u></b> posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment?		$\square$		
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 <u><b>channel</b></u> as constructed around the perimeter of the site area?		$\boxtimes$		
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?		$\boxtimes$		
D22d	Is the <u>erosion</u> minimised?		$\boxtimes$		
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?		$\boxtimes$		
D23b	Is the regular <u>cleaning</u> carried out to prevent blockage of the passage of waste flow in silt fence?		$\boxtimes$		

(Construction Phase)

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 <u>accumulation</u> of <u>waste</u> 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?		$\boxtimes$				
<u>C&amp;D I</u>	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 <u>C&amp;D materials</u> sorted and recycled on-site?		$\boxtimes$				
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 <b><u>general fill</u></b> ?		$\boxtimes$				
E6b	Are the <u>steel reinforcement bars</u> 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?		$\boxtimes$				
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 transportation of waste?		$\boxtimes$				
E8c	Are <u>waste storage area</u> properly cleaned and do not cause windblown litter and dust nuisance?		$\boxtimes$				
E9	Is <b>hydroseeding</b> of the topsoil on the <b>stockpile</b> implemented to improve visual appearance and prevent soil erosion?		$\boxtimes$				
E10	Is the <b>nomination</b> of <b>approved personnel</b> to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal implemented?		$\boxtimes$				

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		1	1		
E11	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?				
E12	Are the regular cleaning and maintenance				
	programme for drainage systems, sumps, oil				Refer to Observation
	interceptors?				1
E13a	Are wood, steel and other metals separated for re-				
	use and/or recycling?				
FIOL	÷ •				
E13b	Do the <b><u>excavated materials</u></b> appear contaminated?				
E13c	If suspected contaminated, appropriate procedures				
EISC	· · · · · · · · · · · · · · · · · · ·	$\square$			N/A
<b>E</b> 44	followed?				
E14	Is the disposal of C&D materials avoided onto any				
	sensitive locations e.g. agricultural lands etc.?				
E15	Are the <b>public fill</b> and <b>C&amp;D waste segregated</b> and				
	stored in different containers or skips to enhance				
	reuse or recycling of materials and their proper				
	disposal?				
Chami	ingl Weste / Weste Oil				
-	ical Waste / Waste Oil	[		1	
E16	Are <u>chemicals</u> and <u>waste oil</u> recycled or disposed				
	properly?				
Chem	ical Packaging				
E17a	Have the <u>containers</u> a capacity of <450 L unless the				
	specification has been approved by EPD?	$\square$			
E17b	Are the <u>containers</u> (holding, resistant to corrosion,				
	maintained in a good condition, and securely closed)	$\square$			
	used for storage of chemical wastes?				
<u>Chem</u>	ical Labelling				
E18	Is chemical waste or waste oil stored and labelled in		1		
	English and Chinese properly in designated area?				
	Container				
1	< 50L No less than 90 x 100mm		$\boxtimes$		
	< 50L         No less than 90 x 100mm           50 to 450L         No less than 120 x 150mm		$\square$		
	50 to 450L No less than 120 x 150mm				
	50 to 450L No less than 120 x 150mm				
Chemi	50 to 450L No less than 120 x 150mm				
<u>Chem</u> i E19a	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area				
	50       to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and				N/O
E19a	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?				N/O
	50       to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         Are the storage area enclosed 3 sides by walls/				N/O
E19a	50       to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         Are the storage area enclosed 3 sides by walls/         fence of ≥2m tall				
E19a	50       to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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				N/O N/O
E19a	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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				
E19a E19b	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?				
E19a	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation				N/O
E19a E19b	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and				
E19a E19b E19c	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?				N/O
E19a E19b	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?         Are the fuel tanks and chemical storage areas				N/O N/O
E19a E19b E19c	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?				N/O
E19a E19b E19c	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?         Are the fuel tanks and chemical storage areas				N/O N/O
E19a E19b E19c E19d	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?         Are the fuel tanks and chemical storage areas?				N/O N/O
E19a E19b E19c E19d	50 to 450L       No less than 120 x 150mm         > 450L       No less than 180 x 200mm         ical Waste / Fuel Storage Area         Are the storage area are clearly labelled and separated (if needed)?         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?         Do the storage areas have adequate ventilation and be covered to prevent rainfall entering and reduce heat from sunlight?         Are the fuel tanks and chemical storage areas         provided with locks and sited on sealed areas?         Is chemical waste collected by licensed waste				N/O N/O

# North East New Territories (NENT) Landfill Extension

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<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	
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.?		$\boxtimes$			
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?					
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 forced ventilation implemented for works 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?		$\boxtimes$			

	*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?	$\boxtimes$	
F14	Are <b>LFG monitoring</b> 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 <sub>4</sub> : 0-100% and LEL: 0-100%/v •CO <sub>2</sub> : 0-100% •O <sub>2</sub> : 0-21%		
F17a	Periodically during groundwork construction, Is the works area monitored for CH <sub>4</sub> CO <sub>2</sub> and O <sub>2</sub> 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>		

	<ul> <li>Periodically throughout the working day whilst workers are in excavation.</li> </ul>		
F19	<ul> <li>For excavations 300mm to 1m, are measurements conducted?</li> <li>Directly after excavation has been completed; and</li> </ul>	$\boxtimes$	
	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?		$\square$		
G2	Is <b>damage</b> to surrounding areas <b>avoided</b> ?				
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?		$\square$		
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> ?		$\square$		
Existi	ng tree preservation				
G7	Are <b>existing</b> and <b>affected tree</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?			$\boxtimes$	

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#### (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 in Portion E3-1 was implemented by the contractor to minimize the high concentration construction runoff.
- 2. The generator at Portion A was removed by contractor.
- 3. The accumulated unrooting trees behind the silt removal facility at Potion B2 were removed by the contractor.
- 4. The accumulate water in the drip tray at Portion D was cleaned up by the contractor.
- 5. The entrance / exit At Portion A was cleaned by contractor.
- 6. The silt removal facilities was functioning normally by the contractor.
- 7. The frequency of watering at the Potion A was increased by the contractor.

#### Observation(s):

- The sediment at the drainage system and site boundary, especially at the lower elevations should be kept cleaning regularly. (Most of sediment was found at the lower elevations of Portion A). The contractor should ensure no untreated construction runoff discharging directly outside the site boundary of the project.
- 2. The accumulate water at the drip tray near Portion E2 was found.

#### Reminder(s):

1. The unpaved assess road was dry. The contractor was reminded to increase the frequency of watering at the Portion A.

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

Observation(s):

- 1. The contractor was recommended that the sediment at the drainage system and site boundary, especially at the lower elevations should be kept cleaning regularly.
- 2. The contractor was recommended that the accumulate water at the drip tray near Portion E2 should be cleaned after the rainy to minimize the potential chemical waste.

Reminder(s):

1. The contractor was reminded to increase the frequency of watering at the unpaved assess road at the Portion A.

# North East New Territories (NENT) Landfill Extension

Report No. 0056-20230626

## (Construction Phase)

Environmental Site Inspection Checklist (Rev. 3)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		1	nl	AU.
Name:	Jason Man	1	Ensty wong	Sylvia Ho
Date:	26 Jun 2023	1	26 Jun 2023	26 Jun 2023

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

**Observation and Recommendation** 



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 was implemented by the contractor to minimize the high concentration construction runoff.







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



The generator at Portion A was removed by contractor.

# Report No. 0056-20230626

Environmental Site Inspection Checklist (Rev. 3)

Follow-up status

(Construction Phase)

#### Observation and Recommendation

# 29 May 2023





The entrance / exit At Portion A was cleaned by contractor.

#### Observation:

Portion of road leading to Portion A and Portion B2 shall be kept clear of dusty and muddy materials.

#### <u>29 May 2023</u>



#### Observation:

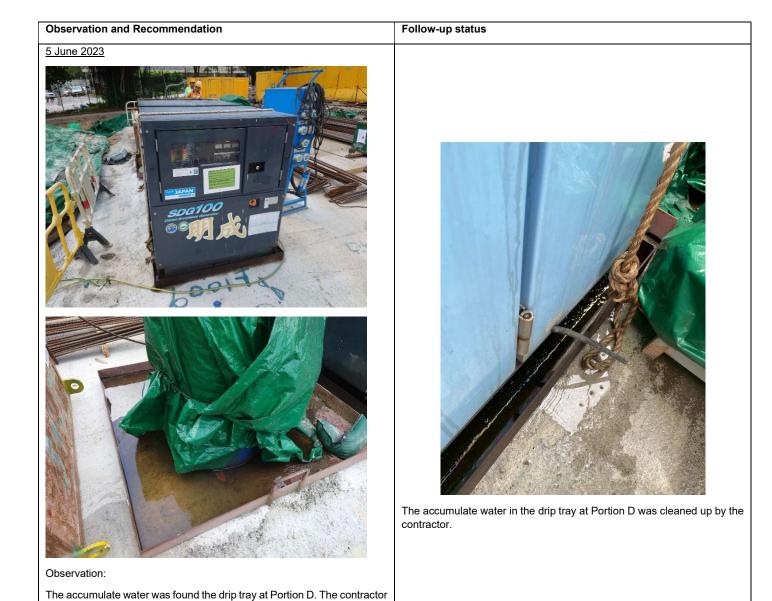
The accumulated uprooting trees was found behind the wetsep in Portion B2.



The accumulated unrooting trees behind the silt removal facility at Potion B2 were removed by the contractor.

has been recommended that the accumulate water in drip tray should be cleared regularly and after rainy to minimize the potential chemical waste.

### (Construction Phase)



Environmental Site Inspection Checklist (Rev. 3)

#### Observation and Recommendation

5 June 2023



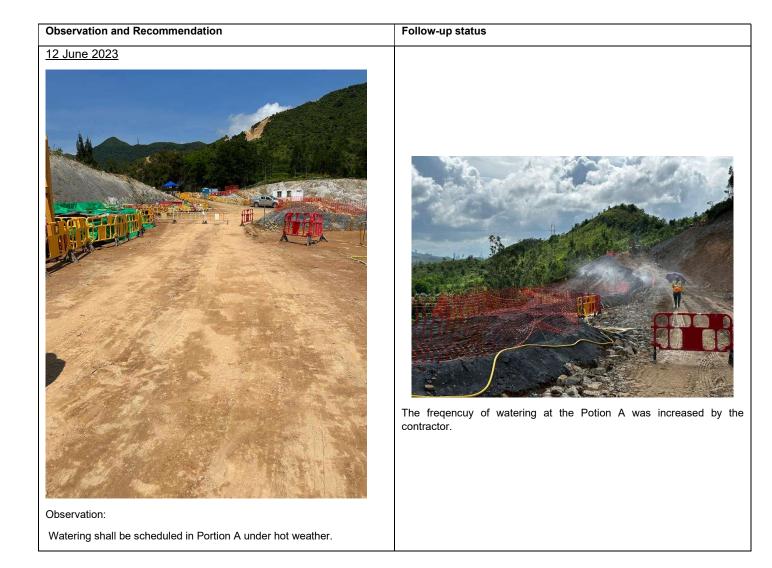
Reminder:

The contractor has been reminded that the particular attention should be paid to the control of silty surface runoff during storm event in accordance with Appendix A2 of ProPECC PN 1/94.



The silt removal facilities was functioning normally by the contractor.

Observation and Recommendation	Follow-up status
5 June 2023	
SBA	
Image: Sector For 4	
Portion E3-1	
	Waiting for Contractor's Input
Observation:	
The stagnant water and silt in the drip trays shall be clear off in Portion B2 and SBA.	



Observation and Recommendation	Follow-up status
<u>12 June 2023</u>	
Portion E3-1	
SBA	
	Waiting for Contractor's Input
Portion B2	
1. The Contractor has been reminded to ensure channel and silt removal	
facilities shall be functioning properly for the upcoming rainfall.	

Observation and Recommendation	Follow-up status
<u>19 June 2023</u>	
Mar Indergram Mar In	
Reminder:	
The Contractor has been reminded to ensure silt removal facilities shall be functioning properly for the upcoming rainfall.	

Observation and Recommendation	Follow-up status
19 June 2023         Image: Second state of the stope edge shall be properly maintained to prevent surface runoff during heavy rainfall at Portion A.	Waiting for Contractor's Input

Environmental Site Inspection Checklist (Rev. 3)

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

Observation and Recommendation	Follow-up status
Observation:	
<ol> <li>The sediment at the drainage system and site boundary, especially at the lower elevations should be kept cleaning regularly. (Most of sediment was found at the lower elevations of Portion A). The contractor should ensure no untreated construction runoff discharging directly outside the site boundary of the project.</li> </ol>	

Observation and Recommendation	Follow-up status
Observation:	
2. The accumulate water at the drip tray near Portion E2 was found.	
Reminder:	
<ol> <li>The accumulate water at the drip tray near Portion E2 was found. The contractor was reminded to increase the frequency of watering at the unpaved assess road at the Portion A.</li> </ol>	

# PART III Temporary Drainage System Photo Record during the environmental site inspection







Earth bunds at Portion A

Environmental Site Inspection Checklist (Rev. 3)

Earth bunds at Portion A

Cut-off drain with silt fencing at Portion B1-2





Cut-off drain with silt fencing at Portion B1-2

Cut-off drain with silt fencing at Portion B1-2



Silt removal facilities at Portion E3-1 with slope protection

Silt removal facilities at Portion E3-1



Environmental Site Inspection Checklist (Rev. 3)

Silt removal facilities at Portion E3-1

#### Silt removal facilities at Portion E3-1





# Appendix K Environmental Mitigation Implementation Schedule (EMIS)

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

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<sup>-3</sup> and 260  $\mu$ g/m<sup>-3</sup>, 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 Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
Construction Rur	off	Concerns to address	Incasules:			
S5.8.1 S5.2.1		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 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 to achieve? measures Concerns to address measures? Construction Runoff (Cont'd) ProPECC PN 1/94 S5.8.1 S5.2.1 Control construction Entire Measures should be taken to minimise the ingress of site drainage into Contractor Construction excavations. If the excavation of trenches in wet periods is necessary, runoff and erosion site Water Pollution Control they should be dug and backfilled in short sections wherever from site surface, Ordinance practicable. Water pumped out from trenches or foundation drainage channel, excavations should be discharged into storm drains via silt removal stockpiles, wheel facilities. washing facilities, etc to minimize water ٠ Open stockpiles of construction materials (for example, aggregates, quality during sand and fill material) of more than 50 m<sup>3</sup> should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken construction stage to prevent the washing away of construction materials, soil, silt or debris into any drainage system. Manholes (including newly constructed ones) should always be ٠ 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. • Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silly surface runoff during storm events, especially for areas located near steep slopes. All vehicles and plant should be cleaned before leaving a construction ٠ 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 wheelwash 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 • 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 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	the	measures	measures to achieve?	
			Concerns to	measures?			
Constru	ation Dune	#	address				
	ction Runo			1 -		1	1
S5.8.1	S5.2.1	Construction solid waste, debris and rubbish on site should be	Control	Contractor	Entire	ProPECC PN 1/94	$\checkmark$
		collected, handled and disposed of properly to avoid water quality	construction runoff		construction	Mater Dellution Control	
		impacts. Requirements for solid waste management are detailed in	and erosion from site surface.		site	Water Pollution Control Ordinance	
		Section 6 of this Report.	drainage channel,			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</li> </ul>	stockpiles, wheel				
		storage capacity of the largest tank to prevent spilled fuel oils from	washing facilities,				
		reaching water sensitive receivers nearby.	etc to minimize				
		• To prevent pollution risks arising from works area (waste reception	water quality during				
		area) and haul roads, intercepting bund or barrier along the roadside	construction stage				
		should be constructed.					
S5.8.1	S5.2.1	Sewage Effluent from Workforce	Control sewage	Contractor	On-site	ProPECC PN 1/94	$\checkmark$
		• Portable chemical toilets and sewage holding tanks are recommended	effluent arising		sanitary		
		for handling the construction sewage generated by the workforce. A	from the sanitary		facilities	Water Pollution Control	
		licensed contractor should be employed to provide appropriate and	facilities provided			Ordinance	
		adequate portable toilets and be responsible for appropriate disposal	for the on- site				
		and maintenance.	construction workforce			Waste Disposal Ordinance	
		<ul> <li>Notices will be posted at conspicuous locations to remind the workers</li> <li>not to discharge any sources or wastewater into the postery</li> </ul>	workiorce			Ordinance	
		not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project.					
		<ul> <li>Regular environmental audit on the construction site can provide an</li> </ul>					
		effective control of any malpractices and can achieve continual					
		improvement of environmental performance on site.					
S5.8.1	S5.2.1	Accidental Spillage of Chemical	Control of chemical	Contractor	Service	ProPECC PN 1/94	$\checkmark$
		Any service workshop and maintenance facilities shall be located within a	leakage		workshop		
		bunded area, and sumps and oil interceptors shall be provided.			and	Water Pollution Control	
		Maintenance of equipment involving activities with potential for leakage and spillage will only be undertaken within the areas.			maintenance facilities	Ordinance	
		spinage win only be undertaken within the areas.			laonities	Waste Disposal	
						Ordinance	

EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
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				
Control Me	easures					
\$5.2.2	<ul> <li>Erosion Control /Measures</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 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</li> </ul>	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	✓
	in place, and moderating soil temperatures.					
	Log Ref Control Me	Log Ref       (to be implemented when the trigger level is exceeded, where necessary)         Control Measures       Erosion Control /Measures         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.         b. Provision of Buffer Zone A buffer zone consists of an undisturbed area or strip of natural vegetation or an established suitable planting adjacent to a disturbed area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filters runoff that may leave the site.         c. Seeding (Temporary/Permanent) A well-established vegetative cover is one of the most effective methods of reducing erosion. Vegetation should be established on construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.         d. Ground Cover Ground Cover is a protective layer of straw or other suitable material applied to the soil surface. Straw mulch and/or hydromulch are also used in conjunction with seeding of critical areas for the establishem tof temporary or permanent vegetation. Ground cover provides immediate 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	Log Ref       (to be implemented when the trigger level is exceeded, where necessary)       Recommended Measures         Control Measures       Erosion Control /Measures       address         S5.2.2       Erosion Control /Measures       Erosion control         a. Preserve Natural Vegetation This Best Management Practices will involve preserving natural vegetation to the greatest extent possible during the construction process. and after construction where appropriate. Maintaining natural vegetation is the most effective and inexpensive form of erosion prevention control.       Erosion control         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.       Erosion construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.         d. Ground Cover Ground Cover       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 or percetoin from erosion. Mulch also enhances plant establishment by conserving moisture, holding fertilizer, seed, and topsoil	Log Ref       (to be implemented when the trigger level is exceeded, where necessary)       Recommended Measures & Main Concerns to address       implement the measures?         S5.2.2       Erosion Control /Measures a. Preserve Natural Vegetation This Best Management Practices will involve preserving natural vegetation to the greatest extent possible during the construction process. and after construction where appropriate. Maintaining natural vegetation is the most effective and inexpensive form of erosion prevention control.       Erosion control       Contractor         b.       Provision of Buffer Zone A buffer zone consists of an undisturbed area or strip of natural vegetation or an established suitable planting adjacent to a disturbed area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filters runoff that may leave the site.       C.       Seeding (Temporar)/Permanent) A well-established vegetative cover is one of the most effective methods of reducing erosion. Vegetation should be established on construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.       d.       Ground Cover Ground Cover is a protective layer of straw or other suitable material applied to the soil surface. Straw mulch and/or hydromulch are also used in conjunction with seeding of critical areas for the establishment of temporary protection from erosion. Mulch also enhances plant establishment by conserving moisture, holding fertilizer, seed, and topsoil	Log Ref       (to be implemented when the trigger level is exceeded, where necessary)       Recommended Measures & Main Concerns to address       implement the measures         S5.2.2       Erosion Control /Measures a. Preserve Natural Vegetation This Best Management Practices will involve preserving natural vegetation to the greatest extent possible during the construction process. and after construction where appropriate. Maintaining natural vegetation is the most effective and inexpensive form of erosion prevention control.       Erosion Control       Contractor       Drainage system         b. Provision of Buffer Zone A buffer zone consists of an undisturbed area or strip of natural vegetation or an established suitable planting adjacent to a disturbed area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filters runoff that may leave the site.       C. Seeding (Temporary/Permanent) A well-established vegetative cover is one of the most effective methods of reducing erosion. Vegetation should be established on construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.       d. Ground Cover is or or stockpiled soil and on temporary soil covers for the establishment of temporary or permanent vegetation. Ground cover provides immediate temporary or permanent vegetation. Ground cover plante as bused in conjunction with seeding of critical areas for the establishment of temporary or permanent vegetation. Mulch also enhances plant establishment by conserving moisture, holding fertilizer, seed, and topsoil       Herein the suffice plantening terofine tripoing terminestring termines planteri	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         S5.22       Erosion Control/Measures

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
	/ater Drainag			1 -		<u> </u>	
S5.8.2	S5.2.2	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 Recommended Precautionary/Mitigation Measures	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 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	Ý
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?	Glalus
LFG							
		dfill Extension		1 -			
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.					V
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.					<b>√</b>
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 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			
LFG				1	1					
	Vithin NENT Landfill Extension									
S7	LFG13	For excavation works, LFG monitoring should be conducted (1) at ground surface prior to excavation, (2) immediately before workers entering excavations, (3) at the beginning of each half- day work, and (4) periodically throughout the working day when workers are in the excavation.	To minimise the risk of LFG hazards to personnel in construction site	Contractor	Entire construction site	Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97) F&IU (Confined Spaces) Regulations Code of Practice on Safety and Health at Work in Confined Spaces	×			
S7	LFG14	Any cracks on ground level encountered on-site should be monitored for LFG periodically. Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.					<b>v</b>			
S7	LFG15	LFG precautionary measures involved in excavation and piping works should be provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase. Temporary offices or buildings should be located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm.					<b>v</b>			
S7	LFG16	For large development such as NENT landfill extension, a Safety Officer trained in the use of gas detection equipment and LFG-related hazards should be present on-site throughout the groundwork phase. The Safety Officer should be provided with an intrinsically safe portable instrument appropriately calibrated and capable of measuring the following gases: •CH <sub>4</sub> : 0-100% and LEL: 0-100%/v •CO <sub>2</sub> : 0-100%					Ý			
S7	LFG17	Periodically during groundwork construction, the works area should be monitored for $CH_4$ $CO_2$ and $O_2$ using appropriately calibrated portable gas detection equipment. The monitoring frequency and areas should be established prior to commencement of groundwork either by Safety Officer or appropriately qualified person. 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>

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

Environ	mental wiltig	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	scape and \	/isual Phases				1	
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	
		Roadside planter and shrub planting design in front of	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
		For certain areas where landfilling operations would have					applied at Portion E3-2.
		to be suspended temporarily for periods of years, simple					applied at 1 ortion 20-2.
		temporary landscape treatment such as hydroseeding					
		should be considered. During construction and operational					
		phases, grass hydroseeding or synthetic covering material					
		of green colour should also be used as a temporary slope					
		cover if applicable.					
S8	LV4	Existing tree preservation	1				
30	L V 4	Transplant existing trees and vegetation, which are					$\checkmark$
		<ul> <li>Transplant existing frees and vegetation, which are identified as ecologically significant in Ecological Impact</li> </ul>					
		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.					

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

EIA	EM&A	Alton 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?	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	×
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	V

North East New Territories (NENT) Landfill Extension

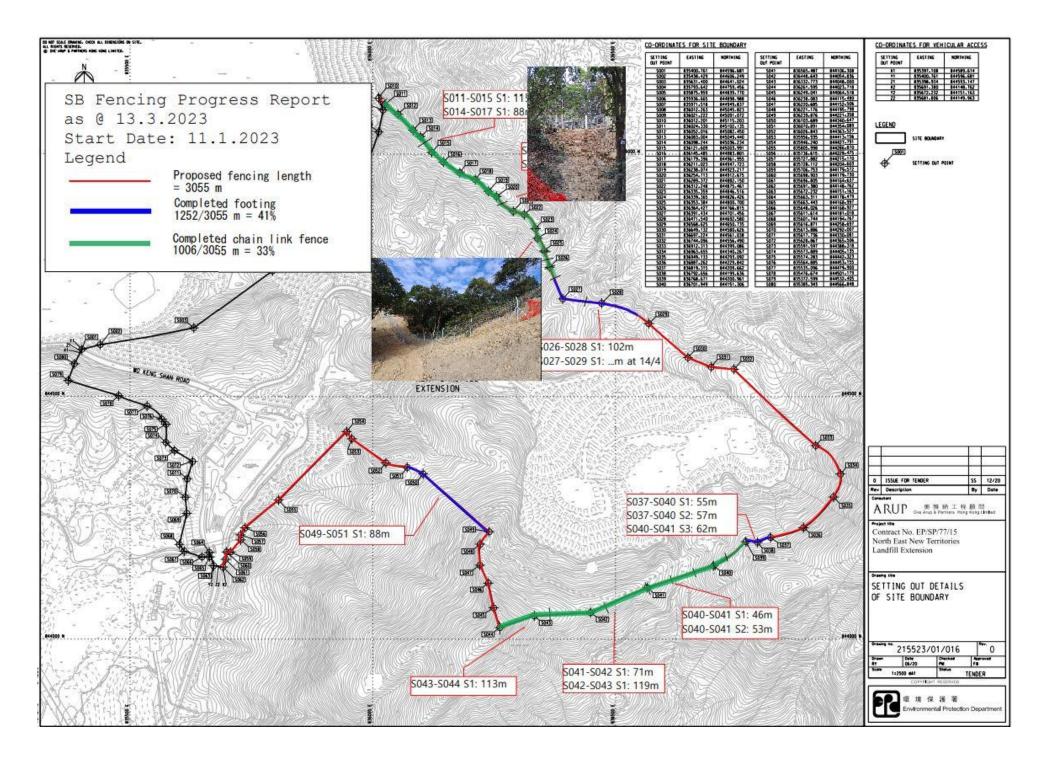
Environ	nvironmental Mitigation Implementation Schedule (EMIS) Construction Phase								
EIA Ref.	EM&A Log Ref	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to 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	$\checkmark$		
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	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 Aug 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			Portion A, Portion E3-1, Portion E4, Portion E1/B2	PYE	Wash out going to surface water channel and site water discharge point, generation of yard waste	Cover exposed slope by tarpaulin, diversion of surface water, operation and maintenance of water treatment facility at discharge point, implementation of trip ticket system
Installation of permanent fencing			Portion A, Portion B1, Portion E4	PYE	Dust	Covering of cement storage area, enclosure of mixing area
Site formation		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 Aug 23	Portion E3-1, E4, E1/B2	PYE	Generation of yard waste	Implementation of trip ticket system, waste recycling, internal waste transfer

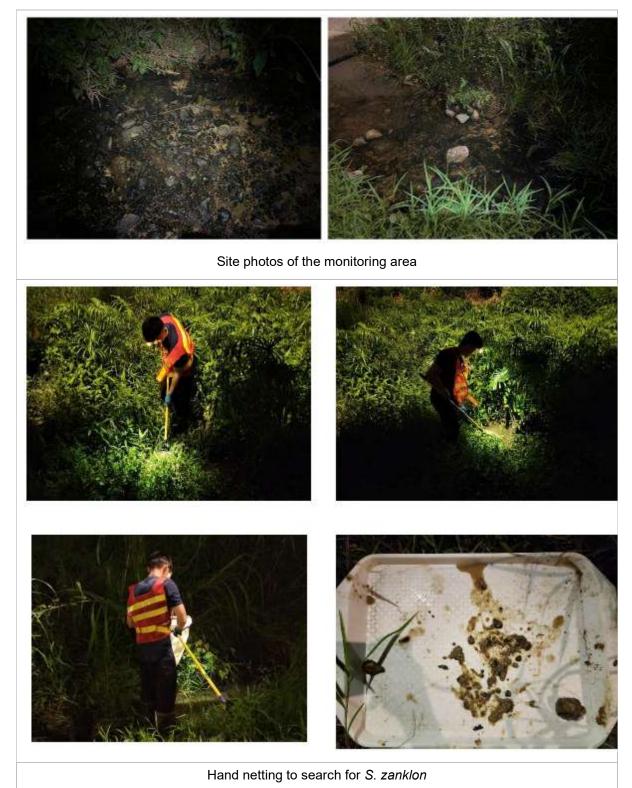
Remark: PYE is the Sub-contractor for this project.

# Appendix M Mitigation Measures of Cultural Landscape Features



## Appendix N Ecological Monitoring Record

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





Kick-netting to search for S. zanklon



Direct Observation to search for S. zanklon

### 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. : Leaf condition of the new foliage.



### *B.3* Bottlebrush Orchid Goodyera procera



Photo B.3.1: Individual GP-01.



Photo B.3.2: Individual GP-01.



Photo B.3.3: Individual GP-02.



Photo B.3.4: Individual GP-04.





Photo B.3.5: Individual GP-05. Dead.



Photo B.3.6: Individual GP-06. Wilted flower.



Photo B.3.7: Individual GP-07.



Photo B.3.8: Individual GP-08.





Photo B.3.9: Individual GP-09.



Photo B.3.10: Individual GP-10.



Photo B.3.11: Individual GP-11. Dead.



Photo B.3.12: Individual GP-12. Partially wilted leaf.



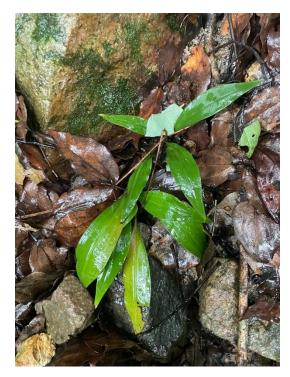


Photo B.3.13: Individual GP-13.



Photo B.3.14: Individual GP-13. Chlorotic leaves.



Photo B.3.15: Individual GP-14.



Photo B.3.16: Individual GP-15.





Photo B.3.17: Individual GP-16.



Photo B.3.18: Individual GP-17.



Photo B.3.19: Individual GP-19. Dead.



### 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 <sup>st</sup> 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 <sup>st</sup> monitoring (24 Nov 2022)
			2 <sup>nd</sup> monitoring (9 Dec 2022)
			3 <sup>rd</sup> monitoring (21 Dec 2022)
			4 <sup>th</sup> monitoring (13 Jan 2023)
			5 <sup>th</sup> monitoring (26 Jan 2023)
			6 <sup>th</sup> monitoring (8 Feb 2023)
			7 <sup>th</sup> monitoring (24 Feb 2023)
			8 <sup>th</sup> monitoring (20 Mar 2023)
			9 <sup>th</sup> monitoring (21 Apr 2023)
			10 <sup>th</sup> monitoring (17 May 2023)
			11 <sup>th</sup> monitoring (16 Jun 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 <sup>st</sup> monitoring (29 Aug 2022)
			2 <sup>nd</sup> monitoring (28 Sep 2022)
			3 <sup>rd</sup> monitoring (28 Oct 2022)
			4 <sup>th</sup> monitoring (28 Oct 2022)
			5 <sup>th</sup> monitoring (29 Dec 2022)
			6 <sup>th</sup> monitoring (30 Jan 2023)
			7 <sup>th</sup> monitoring (24 Feb 2023)
			8 <sup>th</sup> monitoring (20 Mar 2023)
			9 <sup>th</sup> monitoring (19 Apr 2023)
			10 <sup>th</sup> monitoring (12 May 2023)
			11 <sup>th</sup> monitoring (7 Jun 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)

Appendix P Cumulative complaint / enquiry log, Summaries of complaints and enquiries & Environmental complaint reports

### Environmental Complaints Log

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C001_20221220	21 Dec 2022	Veolia (Contractor)	ET	Air Quality (Construction Dust)	5, 12 & 19 Dec 2022	It was noted from Veolia's email to the ET on 20 December 2022 that Veolia received complaint lodged regarding presenting much dusty materials at roundabout at Wo Keng Shan Road & dusty flying problem at Kowloon-bound traffic at Lung Shan Tunnel. No dusty materials and wastes were transported out from the NENTX site during the complaint period. During the regular weekly site inspection on 5, 12 & 19 December 2022, it was observed that the wheel washing facilities with high-pressure water jets have been provided at all site exits of NENTX and cleaned all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area. All site vehicles of NENTX are also required to go through the auto wheel washing facility, which is managed by the operator of the NENT landfill, before entering the public area. The road section between the washing facilities and the exit point was paved with concrete, or bituminous materials were implemented in all site entrances. No mud generated from vehicles under the NENTX project after exiting the site entrance was observed. In conclusion, there is no direct evidence showing that the complaint is likely related to the NENTX project.	5 Jan 2023
C002_20230614	14 June 2023	EPD-RNG	ET	Water Quality	ТВС	It was noted from EPD-RNG's email to the ET on 14 June 2023 that EPD received complaint lodged regarding the muddy water was observed at Lin MA Hang International Bridge. Investigation results and conclusion will be presented when the investigation finished.	ТВС

Remarks:

"ET" equal to "Environmental Team"
 "EPD-RNG" equal to "Environmental Protection Department-Regional Office (North)"

### **Environmental Enquiries Log**

Enquiry Ref. No.	Date of Enquiry Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
E001_20230615	15 Jun 2023	EPD-RNG	ET	Water Quality	ТВС	It was noted from EPD-RNG's email to the ET on 15 June 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD). Investigation results and conclusion will be presented when the investigation finished.	
Remarks:							

- 1. "ET" equal to "Environmental Team"
- 2. "EPD-RNG" equal to "Environmental Protection Department-Regional Office (North)"

#### **Cumulative Statistics on Complaints**

Aspects	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project-to- Date
Air Quality	1	0	1
Noise	0	0	0
Water Quality	0	1	1
Waste Management	0	0	0
Total	1	1	2

#### Prepared by:

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