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

Monthly Environmental Monitoring and Audit Report (No. 3) – February 2023





Our Ref.: CL/91823/0299-VES Date: 13 March 2023

By Email

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

Attn.: Mr. Alvin Kam

Meinhardt Infrastructure and Environment Ltd

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Dear Sir

Re: Contract No. EP/SP/77/15

North-East New Territories Landfill Extension (NENTX)

Monthly Environmental Monitoring and Audit Report (No.3) - February 2023

I refer to Conditions 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 verified the captioned "Monthly Environmental Monitoring and Audit Report (No.3) — February 2023" dated 13 March 2023.

Yours faithfully

MEINHARDT INFRASTRUCTURE AND ENVIRONMENT LTD

Claudine Lee

Independent Environmental Checker

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



Ref: P521530-0000-REP-NN-0027

13 March 2023

By Email

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.3) – February

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.3) – February 2023" dated 13 March 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.

1. Monthly Environmental Monitoring and Audit Report (No.3) – February 2023

CC.

1. IEC - Ms. Claudine Lee (By email: claudinelee@meinhardt.com.hk)

2. IEC Representative - Mr. Jimmy Lui (By email: jimmylui@meinhardt.com.hk)

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Name	Keith Chau	Name	Fredrick Leong			
Title	Associate, Environmental	Title	Environmental Team Leader			

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North East New Territories (NENT) Landfill Extension Monthly Environmental Monitoring and Audit Report (No. 3) – February 2023

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 3rd Monthly EM&A Report presents the EM&A works conducted from 1 February 2023 to 28 February 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
-	Permanent site office foundation works with pouring of concrete
-	Site clearance
-	Installation of permanent fencing
-	Site formation
-	Tree felling

Environmental Monitoring and Audit Progress

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

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	1, 7, 13, 18 & 24 February 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	1, 7, 13 & 24 February 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	7 February 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	24 times	1 to 4, 6 to 11, 13 to 18, 20 to 25 & 27 to 28 February 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	24 February 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	2 times	8 & 24 February 2023
_	Joint Environmental Site Inspection	5 times	1, 6, 13, 20 & 27 February 2023

Environmental Exceedance

1-hr TSP Monitoring

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

24-hr TSP Monitoring

1 Limit Level Exceedance for 24-hr TSP monitoring at AM1 was recorded during the reporting period. The exceedance was considered unlikely to be related to the project after the investigation.

No Action / Limit Level exceedance for 24-hr TSP monitoring at AM2 was recorded during the period.

1 Action Level Exceedance and 1 Limit Level Exceedance for 24-hr TSP monitoring at AM3 were recorded during the reporting period. The exceedances were considered to be attributed to external factors and unlikely to be related to the project after the investigation.

Noise, Surface Water Quality & Landfill Gas Monitoring

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

Environmental Non-conformance/Compliant/Summons and Prosecution

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

No summons/prosecutions were received in this reporting period.

Reporting Change

There was no reporting change in the reporting period.

Future Key Issues

Works to be undertaken in the next month include:

- Material loading and unloading, site traffic
- Permanent site office foundation works with pouring of concrete
- Site clearance
- Installation of permanent fencing
- Site formation
- Tree felling

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**.

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

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

1.3. Purpose of this Report

1.3.1. This is the 3rd Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 February 2023 to 28 February 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 **Table 2-1**. Construction programme is illustrated in **Appendix A**. Detailed construction activities are summarized in **Appendix L**.

Table 2-1 Major Construction Activities Undertaken in the Reporting Period

Construction Activities Undertaken				
-	Material loading and unloading, site traffic			
-	Permanent site office foundation works with pouring of concrete			
-	Site clearance			
-	Installation of permanent fencing			
-	Site formation			
_	Tree felling			

2.2. Project Organization & Management Structure

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

Table 2-2 Contact Information of Key Personnel

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

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 2-3**. 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**.

Table 2-3 Status of Submissions required under the FEP & EP during reporting period

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	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 Transplantation Monitoring	6 th transplantation monitoring
			(8 February 2023)
			7 th transplantation monitoring
			(24 February 2023)
2.8	2.10	Translocation and translocation monitoring	Translocation was carried out and the report submitted.
			7 th monitoring (24 Feb 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

2.4. Status of Environmental Approval Document

2.4.1. A summary of the relevant valid permits, licences, and/or notifications on environmental protection for this Project since the granting of the EP 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 Contract	Approved on 13 May 2022
Registration of Waste Producer under Waste Disposal Ordinance	7043692	Throughout the Contract	Approved on 13 April 2022
Registration as Chemical Waste Producer	5213-642-P1034-18	Throughout the Contract	Approved on 11 July 2022
Construction Noise Permit	GW-RN1151-22	28 February 2023	Approved on 29 November 2022 (cancelled with effect from 14 February 2023)
Construction Noise Permit	GW-RN0131-23	13 May 2023	Approved on 9 February 2023
Effluent Discharge License under Water Pollution Control Ordinance	WT00042301-2022	31 October 2027	Approved on 18 October 2022 Variation of Licence (Approved on 7 February 2023)

2.5. Environmental Monitoring and Audit Progress

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

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

	Items	Times	Date
-	Air Quality Monitoring during normal weekdays at each monitoring station	5 times	1, 7, 13, 18 & 24 February 2023
-	Construction Noise Monitoring during normal weekdays at each monitoring station	4 times	1, 7, 13 & 24 February 2023
-	Surface Water Quality Monitoring during normal weekdays at each monitoring station	1 time	7 February 2023
-	Landfill Gas Monitoring during normal weekdays for Construction Works	24 times	1 to 4, 6 to 11, 13 to 18, 20 to 25 & 27 to 28 February 2023
-	Post-translocation Monitoring during normal weekdays at recipient site	1 time	24 February 2023
-	Post-transplantation monitoring and audit during normal weekdays for transplanted plants and receptor sites	2 times	8 & 24 February 2023
-	Joint Environmental Site Inspection	5 times	1, 6, 13, 20 & 27 February 2023

Air Quality

5 sets of 1-hr TSP & 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 TSP impact monitoring at AM1, AM2 & AM3 was recorded during the period.

1 Limit Level Exceedance for 24-hr TSP monitoring at AM1 was recorded during the reporting period. The exceedance was considered unlikely to be related to the project after the investigation.

No Action / Limit Level exceedance for 24-hr TSP monitoring at AM2 was recorded during the period.

1 Action Level Exceedance and 1 Limit Level Exceedance for 24-hr TSP monitoring at AM3 were recorded during the reporting period. The exceedances were considered to be attributed to external factors and unlikely to be related to the project after the investigation.

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 and Limit Levels of surface water quality was recorded during the reporting period

Landfill Gas

24 sets of landfill gas measurement were carried out at a designated monitoring location 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 2 sets 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

ET weekly environmental site inspections were carried out on 1, 6, 13, 20 & 27 February 2023. A joint environmental site inspection was carried out by the representatives of the Employer's Representative (ER), the Contractor, IEC and the ET on 20 February 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-hrTotal 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**.

Table 3-1 Locations of Dust Monitoring Stations

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

Remarks:

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

AM(D)1 Tung Lo Hang, AM(D)2 Heung Yuen Wai, AM(D)3 Wo Keng Shan Tsuen are the air monitoring stations for the construction phase EM&A programme as identified in the approved EM&A Manual for the Project. The access to Tung Lo Hang, Heung Yuen

Wai and Wo Keng Shan Tsuen were denied. A search for alternative air monitoring locations (AM1, AM2 & AM3) was carried out during the site visit.

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

Due to the adjustment of the location of AM(D)1, AM(D)2 & AM(D)3 to AM1, AM2 & AM3, the measured air quality levels at AM1, AM2 & AM3 would represent the air quality levels at AM(D)1, AM(D)2 & AM(D)3.

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

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

3.1.3 Monitoring Equipment

- 3.1.3.1 High volume samplers (HVSs) were used for carrying out 24-hr TSP monitoring. For 1-hr TSP monitoring, direct reading dust meters were used to measure 1-hr TSP levels.
- 3.1.3.2 **Table 3-3** summarises the equipment that were used in the dust monitoring programme. The calibration certificates are shown in **Appendix D**.

Table 3-3 Dust Monitoring Equipment

Equipment	Model	Monitoring Station
	TE-5170X (S/N: 1105)	AM1
High Volume Sampler (HVS)	TE-5170X (S/N: 1106)	AM2
	TE-5170X (S/N: 1856)	AM3
	Sibata LD-5R (S/N: 0Z4545)	
Direct Peading Dust Motor	Sibata LD-5R (S/N: 882106)	AM1 to AM3
Direct Reading Dust Meter	Sibata LD-5R (S/N: 882110)	AIVIT to AIVIS
	Sibata LD-5R (S/N: 942532)	
Calibration Kit (for HVS)	TE-5025A (S/N: 3465)	AM1 to AM3

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 "ESCAPS" 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.

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.
- 3. Install the variable 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
- Turn the knob orifice counter clock-wise to adjust the openings the four holes on the bottom open. Record the manometer reading and the reading from continuous flow recorder. At least 5 sets of data should be recorded.

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**.

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

Dust Monitoring Station	Average 1-hr TSP Concentration, µg/m³ (Range)	Action Level, μg/m³	Limit Level, μg/m³
AM1	27 (18 – 41)	>285	>500
AM2	28 (20 – 43)	>279	>500
AM3	33 (21 – 51)	>285	>500

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

Dust Monitoring Station	Average 24-hr TSP Concentration, µg/m³ (Range)	Action Level, μg/m³	Limit Level, μg/m³
AM1	145 (62 – 286)	>164	>260
AM2	89 (61 – 126)	>152	>260
AM3	181 (93 – 284)	>163	>260

3.1.5.2 The Summary of Impact 1-hr & 24-hr TSP Exceedance are shown in Table 3-6.

Table 3-6 Summary of Impact 1-hr & 24-hr TSP Exceedance

Dust	Parameter	4 hr TCD	24 hr TCD	Exceedance
Monitoring Station	Level Exceedance	1-hr TSP 24-hr TSP		Count
AM1	Action	-	-	0
	Limit	-	24 Feb 2023*	1
AM2	Action	-	-	0
	Limit	-	-	0
AM3	Action	-	18 Feb 2023*	1
	Limit	-	24 Feb 2023*	1

Remarks: * equal to non-project related

- 3.1.5.3 No Action / Limit Level exceedance for 1-hr TSP impact monitoring at AM1, AM2 & AM3 was recorded during the period.
- 3.1.5.4 1 Limit Level Exceedance for 24-hr TSP monitoring at AM1 was recorded on 24 February 2023. The exceedance was considered unlikely to be related to the project after the investigation. The Notification of Environmental Quality Limits Exceedances are presented in Appendix G.
- 3.1.5.5 No Action / Limit Level exceedance for 24-hr TSP monitoring at AM2 was recorded during the period.
- 3.1.5.6 1 Action Level Exceedance and 1 Limit Level Exceedance for 24-hr TSP monitoring at AM3 was recorded on 18 & 24 February 2023. The exceedances were considered to be attributed to external factors and unlikely to be related to the project after the investigation. The Notification of Environmental Quality Limits Exceedances are presented in Appendix G.

3.1.6 Wind Data Monitoring

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

programme for the Project. The results for wind data monitoring are presented in **Appendix H**.

3.1.7 Recommended Mitigation Measures

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

3.1.8 Event and Action Plan

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

Table 3-7 Event and Action Plan for dust impact

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

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

4 Noise Monitoring

4.1 Monitoring Requirement

4.1.1 In accordance with the 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 Leq 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**.

Table 4-1	Noise	Monitoring	Locations
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Monitoring Station	Representative for	Type of Measurement
NM1a	Wo Keng Shan Tsuen	Free field
NM2a	Lin Ma Hang	Free field

Remarks:

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

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

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

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

Table 4-2 Noise Monitoring Parameters, Frequency and Duration

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

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

Equipment	Model
Sound Level Meter	NTi XL2 (S/N: A2A-09696-E0)
Acoustic Calibrator	Rion NC-75 (S/N: 34724243)
Anemometer	RS-90 (S/N: 210722168)

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.

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	52.8 (47.0 – 54.9)	When one documented	75 ID(A)	
NM2a	50.2 (46.2 – 54.5)	complaint is received	>75dB(A)	

Remark:

- (1) * A correction of +3 dB(A) was made to the free field measurements
- (2) If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.
- 4.5.2 No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix 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 dust 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 **Table 4-5** shall be carried out.

Table 4-5 Event and action plan for construction noise monitoring

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

5 Water Quality Monitoring

5.1 Groundwater Monitoring

5.1.1 Monitoring Requirement

5.1.1.1 In accordance with the EM&A manual, groundwater quality monitoring shall be carried out at least once per month at the 35 designated groundwater monitoring locations (i.e ED1 to ED35). Based on the existing construction programme, site clearance and site formation works for future landfilling area are in progress. The groundwater monitoring locations ED1 to ED35 will be installed after the site formation work of the landfilling area. No groundwater monitoring is required before the completion of site formation work of the landfilling area.

5.2 Surface Water Monitoring

5.2.1 Monitoring Requirement

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

5.2.2 Monitoring Locations, Parameters and Frequency

- 5.2.2.1 Impact surface water monitoring was carried out on 7 February 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**.

Table 5-1 Surface water quality monitoring locations

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

Table 5-2 Surface water quality monitoring Parameters, Frequency and Duration

Parameter	Frequency
pH, Electrical conductivity, DO, Turbidity, SS, Alkalinity, COD, BOD ₅ , TOC, Ammonianitrogen, 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		
Water Quality Meter	Horiba U-53 (S/N: PORBNFNT)		
Water Flow Meter	FP111 (S/N: 22K100859)		

5.2.4 Summary of Surface Water Quality Monitoring Procedure

Operational/ Analytical Procedures

- 5.2.4.1 In general, water samples were collected from within 500 mm of the water surface. Water was collected by a small clean open-mouthed bucket with the lip pointing upstream. Usually, water was then transferred to the sample bottles until they were filled to the top with no remaining air space before the lid was securely screwed on. For samples that were preserved with acid or alkalis prior to transport to the laboratory, the samples bottles were filled to the level specified by the analytical laboratory.
- 5.2.4.2 Analyses shall be carried out in accordance with methods described in ASTM or APHA AWWA-WEF Standard.

Laboratory Analytical Methods

5.2.4.3 The testing of parameters presented in **Table 5-4** for all stations was conducted by ALS Technichem (HK) Pty Ltd. (HOKLAS Registration No. 066). Comprehensive quality assurance and control procedures were in place in order to ensure quality and consistency in results. The detection limits are provided in **Table 5-4**.

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

Parameters	Detection Limit (in 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	APHA 2510 B
Alkalinity	1 mg/L	1 mg/L	APHA 2320 B
COD	10 mg/L	5 mg/L	APHA 5220 C
BOD ₅	3 mg/L	2 mg/L	APHA 5210 B
TOC	1 mg/L	1 mg/L	APHA 5310 B
SS	0.1 mg/L	0.1 mg/L	APHA 2540 D
Ammonia-nitrogen	0.2 mg/L	0.01 mg/L	APHA 4500 NH3 G
TKN	0.4 mg/L	0.1 mg/L	APHA 4500Norg: D
Nitrate	0.5 mg/L	0.01 mg/L	APHA 4500 NO3 I
Sulphate	5 mg/L	1 mg/L	USEPA 375.4
Sulphite	2 mg/L	2 mg/L	APHA 4500 SO3 B
Phosphate	0.01 mg/L	0.01 mg/L	APHA 4500-P B & F
Chloride	0.5 mg/L	0.5 mg/L	USEPA 325.1
Sodium	50 μg/L	50 μg/L	USEPA 6010C
Mg	50 μg/L	50 μg/L	USEPA 6010C
Ca	50 μg/L	50 μg/L	USEPA 6010C
K	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	APHA 5520 B

QA/ QC Requirements

5.2.4.4 All in situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or other international accreditation scheme before use, and subsequently re-calibrated at the intervals according to manufacturer's requirement throughout all stages of the surface water quality monitoring programme. 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 7 February 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 are presented in **Table 5-5**. Detailed monitoring results at each monitoring station and graphical presentations of surface water quality (DO, SS and Turbidity) at the monitoring stations are given in **Appendix E** and **Appendix F**.
- 5.2.5.3 No particular observations are identified near the monitoring stations during the monitoring period.
- 5.2.5.4 No exceedance of Action and Limit Levels of surface water monitoring was recorded during the reporting period. Therefore, there was no record of Notification of Environmental Quality Limits Exceedance in the **Appendix G**.

Table 5-5 Summary of Impact Surface Water Monitoring Results

	Monitoring Station					
Monitoring		WM1			WM2	
Parameter(s)	Monitoring Results	Action Level	Limit Level	Monitoring Results	Action Level	Limit Level
pН	7.4	>7.7	>7.8	7.2	>7.6	>7.7
Electrical Conductivity in µS/cm	83			124		
DO in mg/L	7.7	<7.4	<4	7.5	<5	<4
Turbidity in NTU	5.0	>9.2	>9.5	8.6	>108.3	>108.9
SS in mg/L	3.4	>9.7	>11.4	9.1	>94.5	>94.7
Alkalinity	16			42		
COD	<5			7		
BOD ₅	<2			<2		
TOC	3			5		
Ammonia- nitrogen	0.11			0.29		
TKN	0.4					
Nitrate	0.02			0.01		
Sulphate	5			5		
Sulphite	<2			<2		
Phosphate	<0.01			<0.01		
Chloride	6			6		
Sodium	8390	-		5710		
Mg	420			720		
Са	3100			7390		
K	550			1130		
Fe	490			10700		
Ni	3.0			<1		
Zn	11.0			34		
Mn	57			2910		
Cu	1.0			1		
Pb	<1			<1		
Cd	<0.2			<0.2		
Coliform Count	24			4200		
Oil and Grease	<5			<5		

5.2.6 Recommended Mitigation Measure

- 5.2.6.1 The recommended surface water mitigation measures from EIA report are listed as followed:
 - Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.

- The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows.
- The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silts and sediment traps should be 5 minutes under maximum flow conditions.
- All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads.
- Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.
- Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.

5.2.7 Event and Action Plan

5.2.7.1 Should non-compliance of the criteria occurs, action in accordance with the action plan in **Table 5-6** shall be carried out.

Table 5-6 Event and Action Plan for Water Quality

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

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

6 Waste Management

- 6.1.1 Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. Non-inert C&D materials were made up of general refuse, steels and paper/cardboard packaging materials. Steel materials generated from the Project were also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Appendix I**.
- 6.1.2 A total of 3.16 tonnes of yard waste was generated during the reporting period. A total of 503.29 tonnes of general refuse & 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 excavation or when working in any confined spaces, which have the potential for presence of LFG and risk of explosion or asphyxiation. The monitoring equipment should alarm, both audibly and visually, when the concentrations of the following gases were exceeded:
 - CH₄: >10% Lower Explosion Limit (LEL);
 - CO₂: >0.5%; and
 - O₂: <18% by volume.

7.2 Monitoring Location

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.

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

Table 7-1 Locations of LFG Monitoring during reporting period

Monitoring Location	Type of works
Portion A +58 mpD,+55 mpD Platform	Excavation Works

7.3 Monitoring Equipment

7.3.1 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**.

Table 7-2 LFG Monitoring Equipment

Equipment	Model	
Gas Detector	PS200 (S/N: 373075)	

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 7-3** shall be carried out.

Table 7-3 Action Plan for the monitoring during construction phase

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

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

Depending on the baseline CO₂ levels, the Action Level at a particular location will be changed.

7.5 Monitoring Results

7.5.1 The LFG monitoring was conducted at Portion A +58 mpD,+55 mpD Platform in February 2023 (Conducted on working days). The LFG monitoring results are summarized in **Table 7-4.**

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

Table 7-4 Summary of LFG Monitoring Results

LFG	Monitoring	T LFG Monitori		g Parameter(s)	
Monitoring	Date	CH₄ in %	LEL in %/v	CO ₂ in %	O ₂ in %
Station			Monito	ring Results	
	1 Feb 2023	0	0	0	20.5
	2 Feb 2023	0	0	0	20.3
	3 Feb 2023	0	0	0	20.5
	4 Feb 2023	0	0	0	20.5
	6 Feb 2023	0	0	0	20.4
	7 Feb 2023	0	0	0	20.3
	8 Feb 2023	0	0	0	20.5
	9 Feb 2023	0	0	0	20.2
	10 Feb 2023	0	0	0	20.3
	11 Feb 2023	0	0	0	20.2
Portion A	13 Feb 2023	0	0	0	20.5
+58	14 Feb 2023	0	0	0	20.4
mpD,+55 mpD	15 Feb 2023	0	0	0	20.5
Platform	16 Feb 2023	0	0	0	20.6
	17 Feb 2023	0	0	0	20.3
	18 Feb 2023	0	0	0	20.5
	20 Feb 2023	0	0	0	20.5
	21 Feb 2023	0	0	0	20.1
	22 Feb 2023	0	0	0	20.4
	23 Feb 2023	0	0	0	20.2
	24 Feb 2023	0	0	0	20.3
	25 Feb 2023	0	0	0	20.5
	27 Feb 2023	0	0	0	20.4
	28 Feb 2023	0	0	0	20.5
Actio	on Level	>10% LEL		>0.5%** CO ₂	<19%

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

- 7.5.2 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**.
- 7.5.3 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

- 3.1.7.2 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).

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

- 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 25 April 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 temporary 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 temporary 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 24 February 2023 based on the requirement of the approved Revised Translocation Proposal for the Endemic Freshwater Crab *Somanniathelphusa zanklon*. The 7th Post-Translocation Monitoring Report (February 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 8 and 24 February 2023 based on the requirement of the approved Transplantation Proposal for Plant Species of Conservation Importance (Rev.1). The 6th Post-transplantation Monitoring and Audit Report (8th February 2023) & 7th Post-transplantation Monitoring and Audit Report (24th February 2023) present 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/.

Table 10-1 Milestone of the Ecological Monitoring

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

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 1, 6, 13, 20 & 27 February 2023. A joint environmental site inspection was carried out by the representatives of the ER, the Contractor, IEC and the ET on 20 February 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:

01 February 2023

- Vehicle washing was implemented in SBA. The Contractor has been reminded to provide vehicle washing facility at the exit of SBA.
- The unpaved area in Portion D was dry and dusty. Dry and fugitive dust was observed in the work area in Portion A. The Contractor has been recommended to increase the frequency of watering to the unpaved area in Portion D and work area in Portion A.
- The open stockpiles in SBA were not covered with impervious sheets. The Contractor has been reminded to cover the stockpile with impervious sheets.
- The plant equipment in SBA was placed on the ground without impervious sheets. Plant equipment shall be placed on the impervious sheets.

<u>06 February 2023</u>

- Fugitive dust was observed in Portion A and D. The Contractor has been reminded to increase the frequently of watering unpaved area and work area or other dust suppression method in Portion A and D to minimize dust dispersion.
- Sand and silt shall be regularly removed from the sump pit in the vehicle washing bay in Portion A. The Contractor has been reminded to remove sand and silt in the sump pit and the channel at the vehicle washing bay regularly.

13 February 2023

 The Contractor was reminded that the frequently of watering unpaved area and work area or other dust suppression method in Portion A is reminded should be increased.

20 February 2023

- The fugitive dust was observed in Portion A. The Contractor is recommended to increase the frequency of watering to the unpaved area and work area in Portion A.
- The lack of NRMN Label was observed in the generator at SBA. The Contractor is recommended to label the NRMN Label on the generator at SBA.

27 February 2023

- The site area in SBA was dry and fugitive dust was observed. The Contractor
 has been reminded to schedule watering and to increase the frequency of
 watering if necessary in SBA.
- Vehicle washing shall be implemented in SBA. The Contractor has been reminded to implement vehicle washing at the exit of Portion.
- More than 20 bags of cement were not covered entirely by impervious sheets in SBA. The Contractor has been reminded to cover the cement bags entirely.
- The Contractor has been reminded to schedule watering for Portion D. The Contractor has been reminded to schedule watering and to increase the frequency of watering if necessary in Portion D.
- Construction runoff in the lower area at Portion D shall be collected and divided to silt removal facilities. The Contractor has been reminded to ensure construction runoff shall be divided into silt removal facilities.
- 11.1.4 No Environmental Protection Department-Regional Office (North) conducted general site inspection in February 2023.

12 Environmental Non-conformance

12.1 Summary of Monitoring Exceedance

1-hr TSP Monitoring

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

24-hr TSP Monitoring

- 12.1.2 1 Limit Level Exceedance for 24-hr TSP monitoring at AM1 was recorded during the reporting period. The exceedance was considered unlikely to be related to the project after the investigation.
- 12.1.3 No Action / Limit Level exceedance for 24-hr TSP monitoring at AM2 was recorded during the period.
- 12.1.4 1 Action Level Exceedance and 1 Limit Level Exceedance for 24-hr TSP monitoring at AM3 were recorded during the reporting period. The exceedances were considered to be attributed to external factors and unlikely to be related to the project after the investigation.
 - Noise, Surface Water Quality & Landfill Gas Monitoring
- 12.1.5 No exceedance of the Action and Limit Levels for was recorded at designated monitoring stations during the reporting period.

12.2 Summary of Environmental Non-compliance

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

12.3 Summary of Environmental Complaint

12.3.1 No environmental complaint was recorded during the reporting period.

12.4 Summary of Environmental Summons and Successful Prosecution

12.4.1 No summons was received during the reporting period

13 Implementation Status on Environmental Mitigation Measures

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

14 Future Key Issues

14.1 Key Issues for the Coming Month

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

-	Material loading and unloading, site traffic
-	Permanent site office foundation works with pouring of concrete
-	Site clearance
-	Installation of permanent fencing
-	Site formation
-	Tree felling
-	Material loading and unloading, site traffic

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

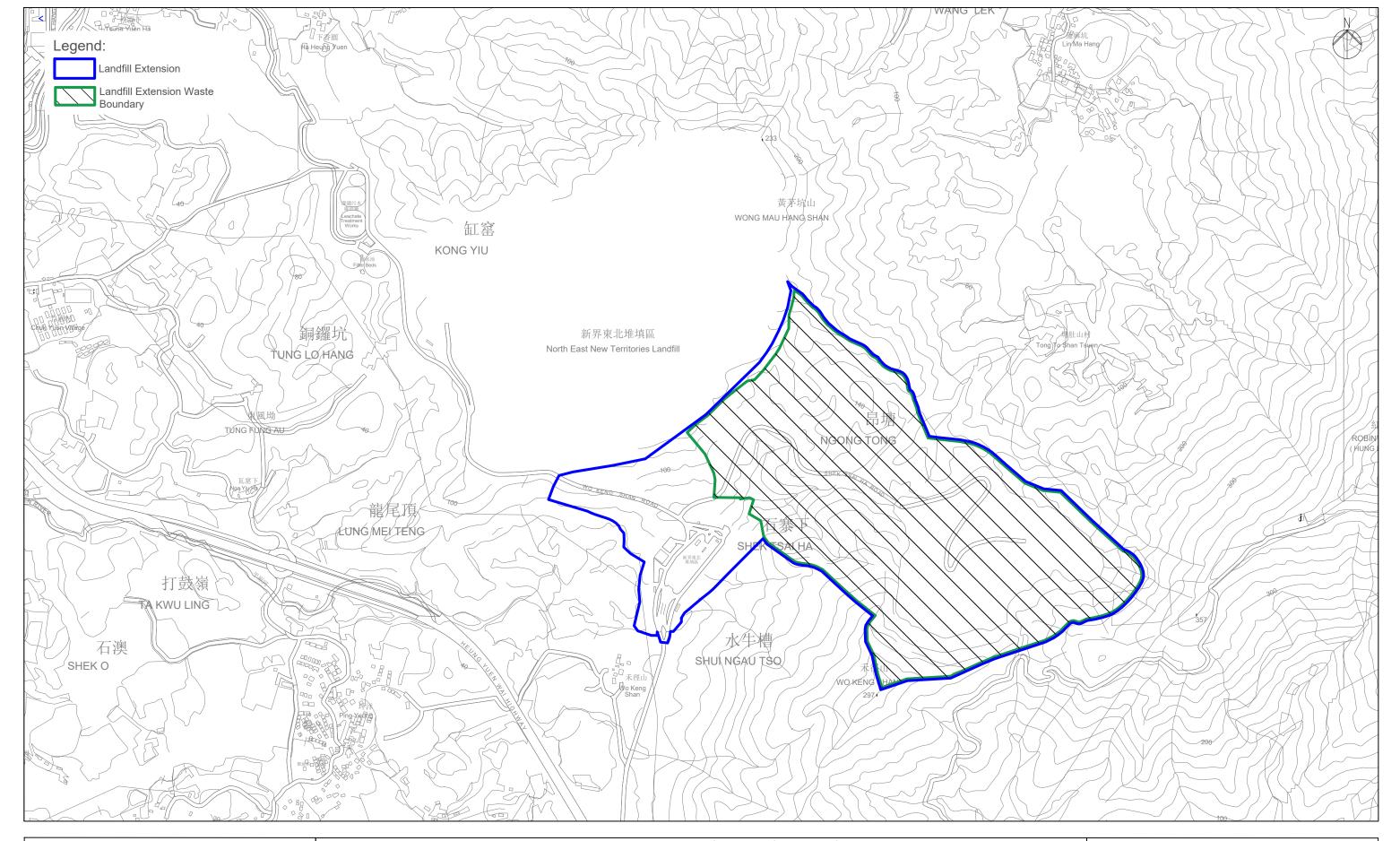
14.3.1 The most updated construction programme for the Project is presented in Appendix A.

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 TSP impact monitoring at AM1, AM2 & AM3 was recorded during the period.
- 15.1.2 1 Limit Level Exceedance for 24-hr TSP monitoring at AM1 was recorded during the reporting period. The exceedance was considered unlikely to be related to the project after the investigation.
- 15.1.3 No Action / Limit Level exceedance for 24-hr TSP monitoring at AM2 was recorded during the period.
- 15.1.4 1 Action Level Exceedance and 1 Limit Level Exceedance for 24-hr TSP monitoring at AM3 were recorded during the reporting period. The exceedances were considered to be attributed to external factors and unlikely to be related to the project after the investigation.
- 15.1.5 Construction noise monitoring was carried out in the reporting month. No Action / Limit Level exceedance at NM1a & NM2a was recorded during the period.
- 15.1.6 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.
- 15.1.7 Surface water monitoring was carried out in the reporting month. No Action / Limit Level exceedance at WM1 & WM2 was recorded during the period.
- 15.1.8 Landfill Gas Monitoring was carried out in the reporting month. No exceedance of Limit Levels of LFG was recorded during the reporting period.
- 15.1.9 In terms of cultural heritage, implementation of the mitigation measures such as temporary 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.
- 15.1.10 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.
- 15.1.11 Five environmental site inspections were carried out in the reporting month. Recommendations on mitigation measures for Permit/ Licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 15.1.12 No environmental complaint was recorded during the reporting period.
- 15.1.13 No non-compliance event was recorded during the reporting period.
- 15.1.14 No notification of summons and prosecution was received during the reporting period.

15.1.15 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



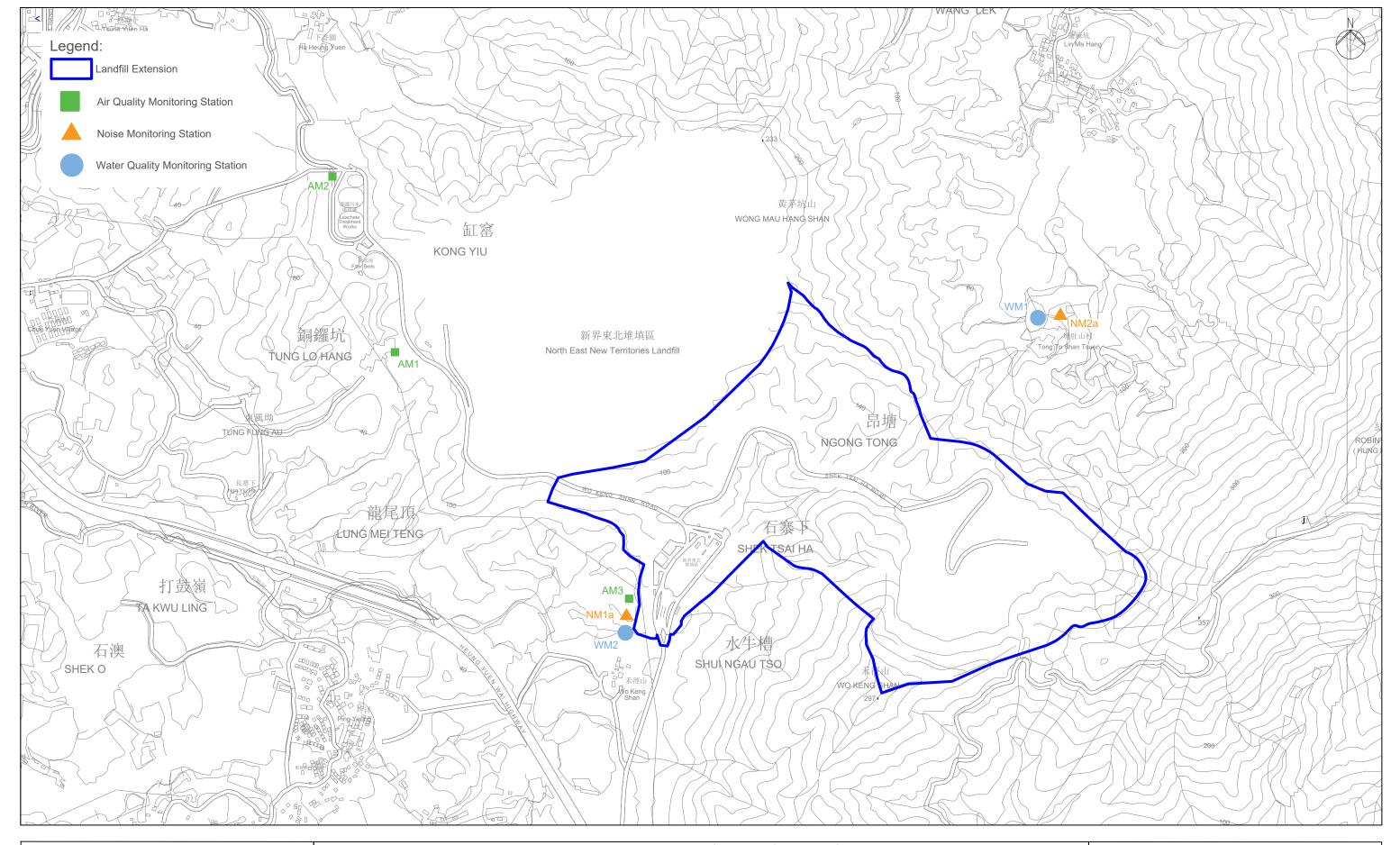


North-East New Territories (NENT) Landfill Extension Location Plan of the Project Site

Figure 1.1

Scale: 1:10000

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



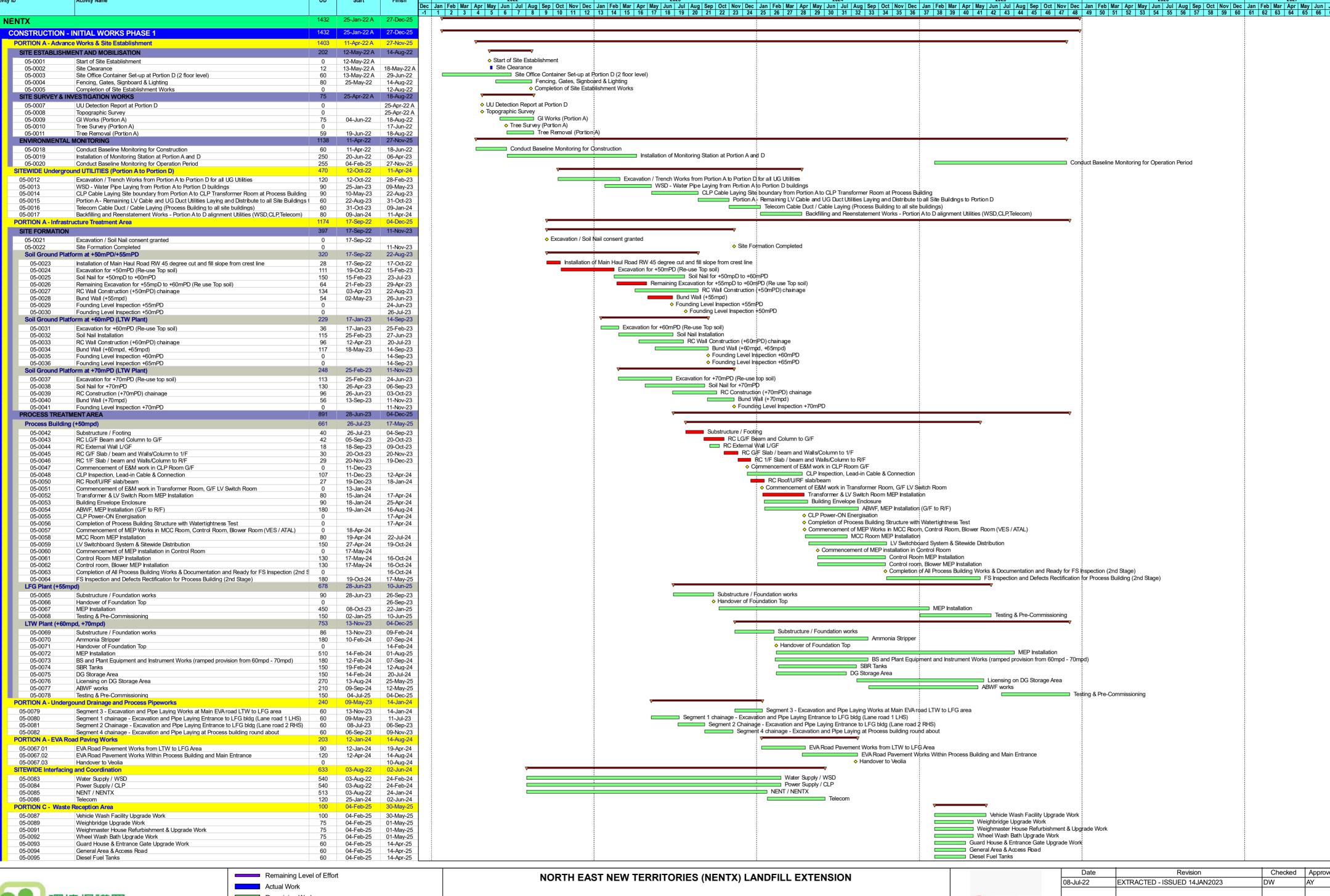


North-East New Territories (NENT) Landfill Extension Impact Monitoring Locations

Figure 2

Scale: 1:10000

Appendix A Construction Program



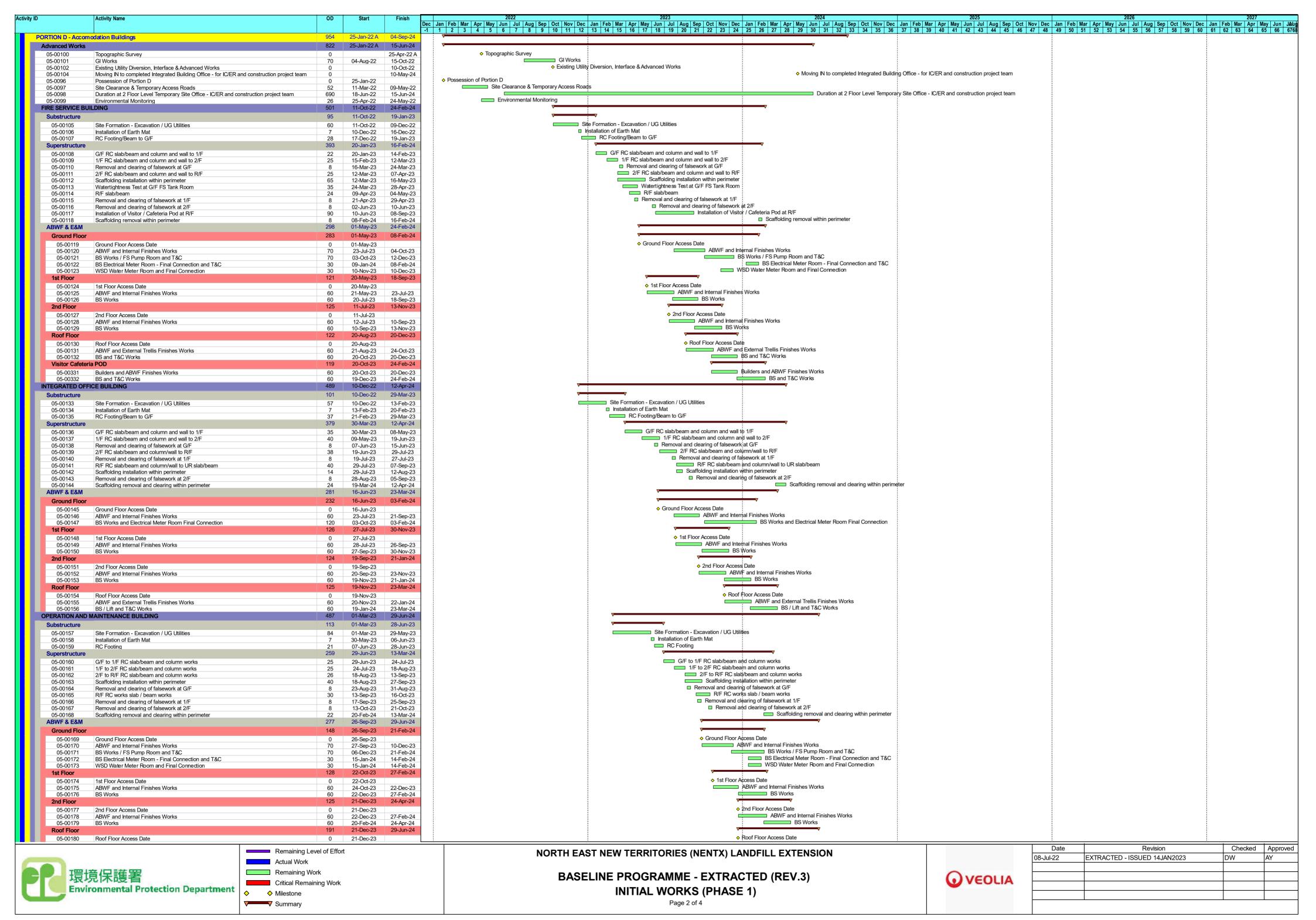


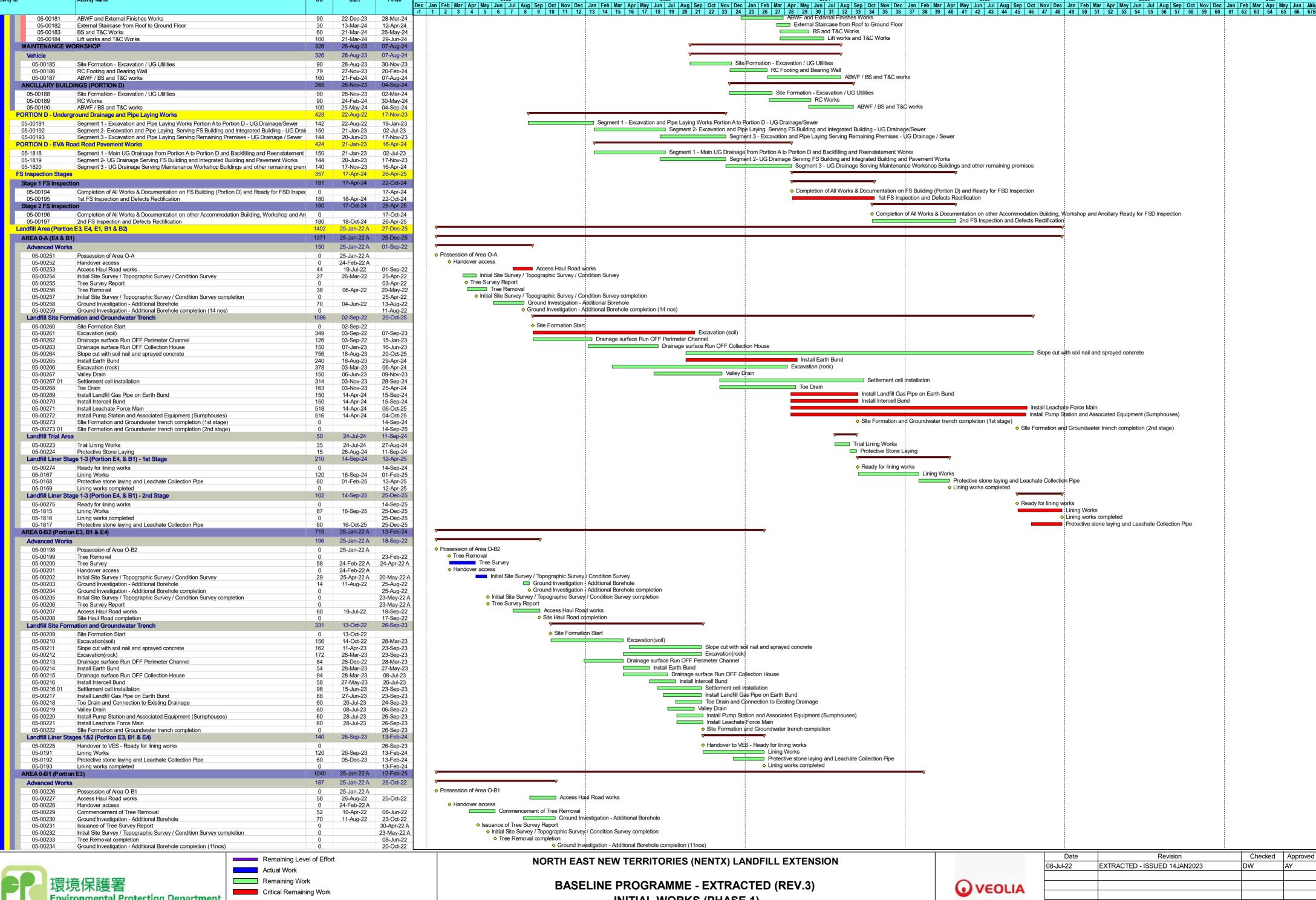


BASELINE PROGRAMME - EXTRACTED (REV.3)
INITIAL WORKS (PHASE 1)
Page 1 of 4



Date	Revision	Checked	Approved
08-Jul-22	EXTRACTED - ISSUED 14JAN2023	DW	AY







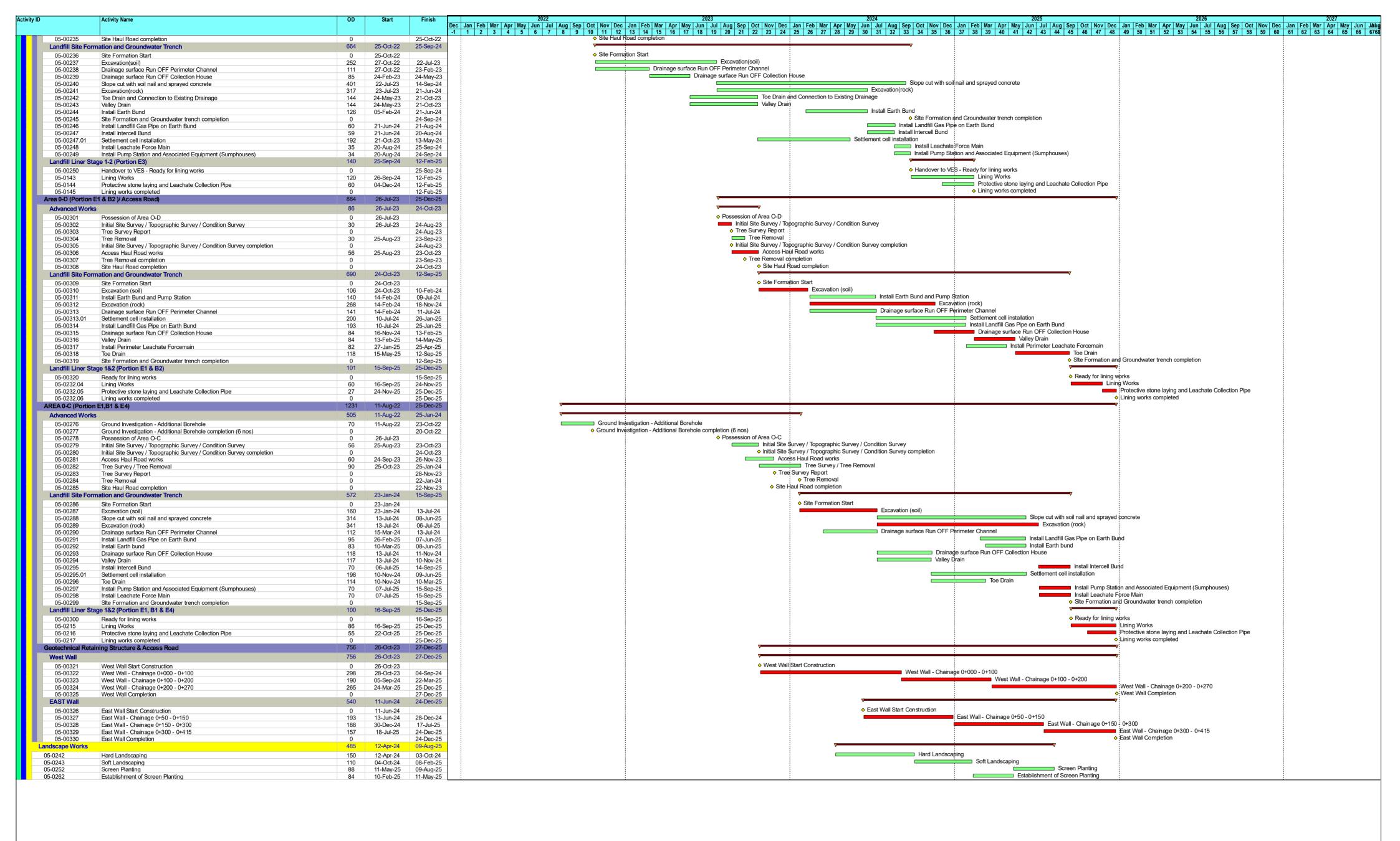


INITIAL WORKS (PHASE 1)

Page 3 of 4

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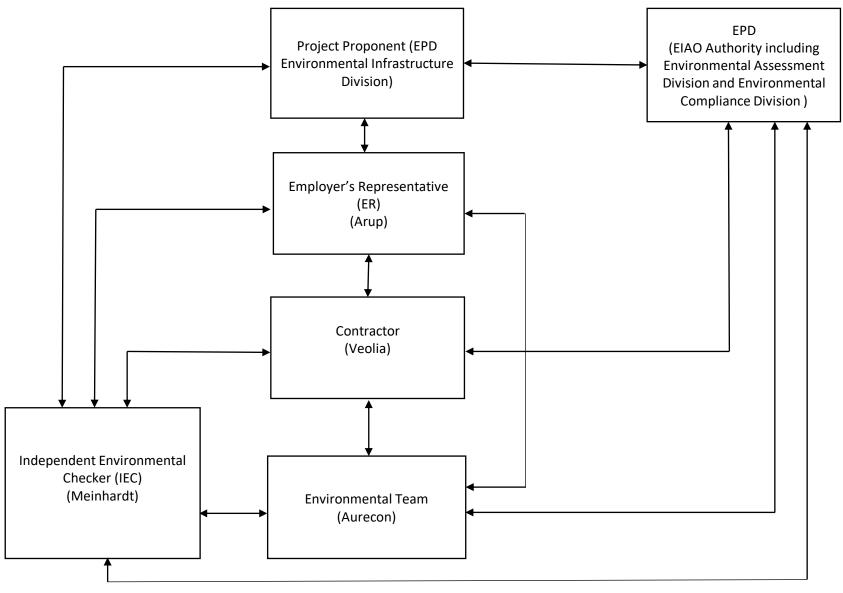


BASELINE PROGRAMME - EXTRACTED (REV.3)
INITIAL WORKS (PHASE 1)
Page 4 of 4



Date	Revision	Checked	Approved
08-Jul-22	EXTRACTED - ISSUED 14JAN2023	DW	AY

Appendix B Project Organization Chart & Management Structure



Notes:

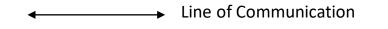
EPD - Environmental Protection Department

Arup – Ove Arup & Partners Limited

Veolia - Veolia Environmental Services Hong Kong Limited

Meinhardt - Meinhardt Infrastructure And Environment Limited

Aurecon - Aurecon Hong Kong Limited



Appendix C Monitoring Schedule for Reporting Month & Next Month

Impact Monitoring Schedule for NENT Landfill Extension (February 2023)

	impact Wonitoring Schedule for NENT Landfill Extension (February 2023) 2-2023						
Sun	Mon	Tue	Wed	Thur	Fri	Sat	
			1 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	2	3	4	
5	6	7 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 and WM2	8	9	10	11	
12	Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	14	15	16	17	Air quality monitoring at AM1, AM2 and AM3	
19	20	21	22	23	Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	25	
26 Remark:	27	28					

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).

Impact Monitoring Schedule for NENT Landfill Extension (March 2023)

			1eaule for NENT Lanafill E 3-2023			
Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a Surface water quality monitoring at WM1 and WM2	3	4
5	6	7	8 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	9	10	11
12	13	14 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a		16	17	18
19	20 Air quality monitoring at AM1, AM and AM3 Noise monitoring at NM1a and NM2a		22	23	24	25 Air quality monitoring at AM1, AM2 and AM3
26	27	28	29	30	31 Air quality monitoring at AM1, AM2 and AM3 Noise monitoring at NM1a and NM2a	

Remark

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

Appendix D Calibration Certificates

Air Quality





Website www acuityth co

Unit E, 12/F, Ford Glory Plaza
Not. 37-39 Wing Hong Street,
Cheung Sha Wan, Kowloon

Tel.: (852) 2698 6833

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 Leachate Treatment Works within the NENT Landfill

Standard Equipr	nent Information	1	
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	K-Factor Counts/ Minute (R)			Total Counts	TSP Sample	Dust Concentration (ug/m3), (C)
Test No.	Date	Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis		
1	3/12/2022	194.73	198.08	201.00	0.00120	51	10251	R222043/1	61		
2	3/12/2022	198.08	201.27	191.40	0.00102	34	6444	R222043/2	34		
3	3/12/2022	201.27	204.35	184.80	0.00111	44	8193	R222043/3	49		
4	4/12/2022	252.37	255.36	179.40	0.00122	55	9927	R222044/1	67		
5	4/12/2022	255.38	258.38	180.00	0.00120	52	9360	R222044/2	62		
6	4/12/2022	258.38	261.38	180.00	0.00112	63	11340	R222044/3	70		
		_	1 5/10		0.00114						

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

1.1

By Linear Regression of y on x:

slope, mh= 1.3204

intercept,ch= -8.3520

*Correlation Coefficient,R= 0.9780

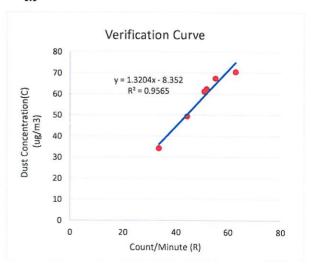
Verification Test Result: Strong Correlation, Results were accepted.

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

Verified By:

Technical Manager

Date: 05-12-2022









Tel : (852) 2698 6833

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 Leachate Treatment Works within the NENT Landfill

Standard Equip	oment Information	1	
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	K-Factor Counts/ Minute (R)		TSP Sample	Dust Concentration (ug/m3), (C)
		Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	Counts (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				

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

1.1

By Linear Regression of y on x:

slope, mh= 1.2417

intercept,ch= -8.6314

*Correlation Coefficient,R=

0.9513

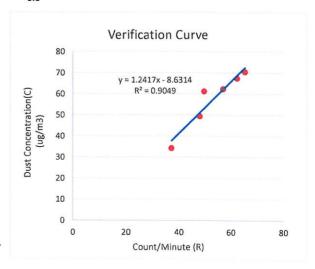
Verification Test Result: Strong Correlation, Results were accepted.

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

Verified By:

T 1 1 1 1 1 1 1

Date: 05-12-2022













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

Verification Test Date:

3-Dec-22

4-Dec-22 to

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 Leachate Treatment Works within the NENT Landfill

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

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

1.0

By Linear Regression of y on x:

slope, mh=

1.1984

intercept,ch=

-8.3267

*Correlation Coefficient,R=

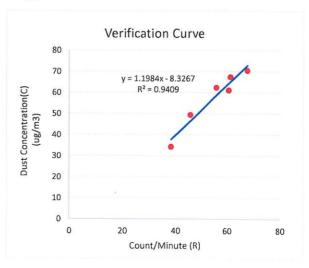
0.9700

Verification Test Result: Strong Correlation, Results were accepted.

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

Verified By:

Date: _ 05-12-2022







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

4-Dec-22

Verification Test Date:

3-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 Leachate 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	0.00111	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				

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

1.1

By Linear Regression of y on x:

slope, mh=

1.1919

intercept,ch=

-5.3851

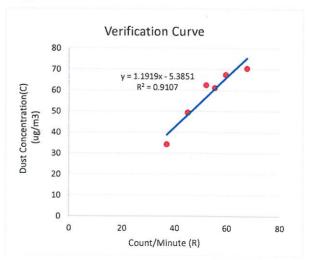
*Correlation Coefficient,R=

0.9543

Verification Test Result: Strong Correlation, Results were accepted.

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

Date: 05-12-2022







HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	NENTX	Site ID:	AM1	Date:	30-Jan-2023
Serial No:	1105	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P _a) (mm Hg):	765.1	Actual Temperature during Calibration (T _a) (deg K):	291.4
---	-------	--	-------

Calibration Orifice

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

Calibration Data

Plate or	∆H ₂ O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test#	(in)	(m³/min)	(chart)	(corrected)
1	2.20	0.740	43.0	43.63
2	3.40	0.918	47.0	47.69
3	4.60	1.066	52.0	52.76
4	5.20	1.133	54.0	54.79
5	6.00	1.216	56.0	56.82

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

m=	28.5644	b=	22.1538	Corr. Coeff=	0.9971	
						_

Sampler Set Point Flow Rate (SFR)= 1.1013

Sampler Chart Set Point (SSP)= 54

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

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

Qa = actual flow rate

IC = corrected chart response

I = actual chart response

 m_c = calibrator slope

 b_c = calibrator intercept

T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

Calculations

SFR = 1.13 $(P_{Std} / P_a) (T_a / T_{Std})$

 $SSP = (m*SFR+b) (Sqrt (P_a / P_{Std})(T_{Std} / T_a))$

m = sampler slope

b = sampler intercept

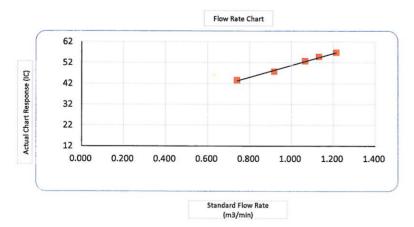
 $T_{Std} = 298 \text{ deg K}$

 $P_{Std} = 760 \text{ mm Hg}$

T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

Where 1.13 is the designed sampling flow rae of PM10 samplers, m³/min



Checked by:	A	Date:	30-Jan-2023
	137		





HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	NENTX	Site ID:	AM2	Date:	30-Jan-2023
Serial No:	1106	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (Pa) (mm Hg):	765.1	Actual Temperature during Calibration (T _a) (deg K):	295.4
(IIIIII rig).		Calibration (1a) (deg K).	

Calibration Orifice

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

Calibration Data

Plate or	∆H ₂ O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test#	(in)	(m³/min)	(chart)	(corrected)
1	2.00	0.701	42.0	42.33
2	2.60	0.798	45.0	45.35
3	3.80	0.963	50.0	50.39
4	4.60	1.059	55.0	55.43
5	5.60	1.167	58.0	58.45

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

m=	35.3651	b=	17.2173	Corr. Coeff=	0.9959	_
	Sampler Set Point Flow Rate (SFR)=	1.1164	_	Sampler Chart Set Point (SSP)=	57	

Calculations

 $Qa = 1/m_c^*[Sqrt (\Delta H_2O^*(P_a/P_{Std})^*(T_{Std}/T_a)) - b_c]$ SFR = 1.13 $(P_{Std} / P_a) (T_a / T_{Std})$ $IC = I*(Sqrt(P_a/P_{Std})*(T_{Std}/T_a))$ $SSP = (m*SFR+b) (Sqrt (P_a / P_{Std})(T_{Std} / T_a))$

Qa = actual flow rate

IC = corrected chart response

I = actual chart response

m_c = calibrator slope

b_c = calibrator intercept

T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

m = sampler slope

b = sampler intercept

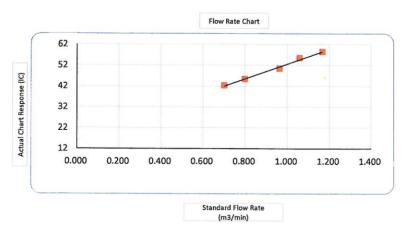
 $T_{Std} = 298 \text{ deg K}$

P_{Std} = 760 mm Hg

 T_a = actual temperature during calibration (deg K)

P_a = actual pressure during calibration (mm Hg)

Where 1.13 is the designed sampling flow rae of PM10 samplers, m3/min



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HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site	Information	1
		۰

Location:	NENTX	Site ID:	AM3	Date:	30-Jan-2023
Serial No:	1856	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (Pa) (mm Hg): 765.1	Actual Temperature during Calibration (T _a) (deg K):	296.9
--	--	-------

Calibration Orifice

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

Calibration Data

Plate or	∆H ₂ O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test#	(in)	(m³/min)	(chart)	(corrected)
1	1.60	0.627	44.0	44.23
2	3.00	0.855	54.0	54.28
3	4.00	0.986	57.0	57.30
4	5.00	1.101	60.0	60.31
5	6.00	1.205	64.0	64.33

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

m=	33.5233	b=	24.0872	Corr. Coeff=	0.9921	
	Sampler Set Point Flow Rate (SFR)=	1.1221	Sample	er Chart Set Point (SSP)=	62	

Calculations

Qa = $1/m_c*[Sqrt (\Delta H_2O*(P_a/P_{Std})*(T_{Std}/T_a))-b_c]$ $SFR = 1.13 (P_{Std} / P_a) (T_a / T_{Std})$ IC = I*(Sqrt (P_a/P_{Std})*(T_{Std}/T_a)) $SSP = (m*SFR+b) (Sqrt (P_a / P_{Std})(T_{Std} / T_a))$

Qa = actual flow rate m = sampler slope IC = corrected chart response

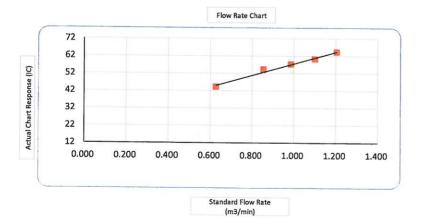
b = sampler intercept I = actual chart response $T_{Std} = 298 \text{ deg K}$

m_c = calibrator slope P_{Std} = 760 mm Hg

b_c = calibrator intercept

 $T_a = actual temperature during calibration (deg K)$ T_a = actual temperature during calibration (deg K) P_a = actual pressure during calibration (mm Hg)

P_a = actual pressure during calibration (mm Hg) Where 1.13 is the designed sampling flow rae of PM10 samplers, m³/min



Checked by:	12	Date:	30-Jan-2023	
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RECALIBRATION DUE DATE:

June 28, 2023

Certificate of Calibration

Calibration Certification Information

Cal. Date: June 28, 2022

Rootsmeter S/N: 438320

Ta: 296

°K

Operator: Jim Tisch

Pa: 755.1

mm Hg

Calibration Model #:

TE-5025A

Calibrator S/N: 3465

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4290	3.2	2.00
2	3	4	1	1.0130	6.4	4.00
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

		Data Tabula	tion		
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)
0.9961	0.6970	1.4144	0.9958	0.6968	0.8854
0.9918	0.9791	2.0003	0.9915	0.9788	1.2522
0.9899	1.0938	2.2364	0.9895	1.0934	1.4000
0.9887	1.1509	2.3456	0.9883	1.1506	1.4683
0.9834	1.3831	2.8289	0.9830	1.3826	1.7708
	m=	2.05924		m=	1.28946
QSTD	b=	-0.01929	QA	b=	-0.01207
	r=	0.99998		r=	0.99998

	Calculation	ıs	
Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va=	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/∆Time	Qa=	Va/ΔTime
	For subsequent flow rat	e calculatio	ns:
Qstd=	$1/m \left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b $	Qa=	$1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrator	manometer reading (in H2O)
ΔP: rootsmete	er manometer reading (mm Hg)
	olute temperature (°K)
	ometric pressure (mm Hg)
b: intercept	
m: slope	

RECALIBRATION

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

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

www.tisch-env.com

TOLL FREE: (877)263-7610

FAX: (513)467-9009

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.premat.hk



Calibration Certificate

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

PASS

Calibration Result

Gas Applied	Range	Reading	Calibrated	Result
Zero Air	% LEL	0	0	PASS
Zero Air	% O2	20.9	20.9	PASS
Zero Air	РРМ СО	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

Calibrated By Ivan Lo:



Noise

Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

NTi Audio

Type No.:

XL2 (Serial No.: A2A-09696-E0)

Microphone:

ACO 7052 (Serial No.:68840)

Preamplifier:

NTi Audio M2211 MA220 (Serial No.:5287)

Submitted by:

Customer:

Acumen Environmental Engineering and Technologies Co.

Ltd.

Address:

Unit D, 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

☐ 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: 24 March 2022

Date of calibration: 26 March 2022

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa

Laboratory Manager

Date of issue: 26 March 2022

Certificate No.: APJ21-161-CC001

Page 1 of 4



1. Calibration Precaution:

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

2. Calibration Conditions:

Air Temperature:

22.6 °C

Air Pressure:

1006 hPa

Relative Humidity:

74.5 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV200041

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. We	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	±0.4

Linearity

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. W	eighting/	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.1	Ref
30-130	dBA	SPL	Fast	104	1000	104.1	±0.3
			114		114.1	±0.3	

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	ng Level, dB Frequency, Hz		dB	Specification, dB
30-130	dBA	SPL	Fast	0.4	1000	94.1	Ref
30-130	dbA SF1		Slow	Slow 94	1000	94.1	±0.3

Certificate No.: APJ21-161-CC001

(A+A) *L Page 2 of 4



Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Wo	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	94.0	±2.0	
					63	94.1	±1.5
					125	94.1	±1.5
		SPL	Fast	94	250	94.0	±1.4
30-130	dB				500	94.1	±1.4
					1000	94.1	Ref
					2000	94.3	±1.6
					4000	94.9	±1.6
					8000	93.6	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
		NI 22 WA		31.5	54.7	-39.4 ±2.0	
				63	67.9	-26.2 ±1.5	
					125	78.0	-16.1 ±1.5
					250	85.4	-8.6 ± 1.4
30-130	dBA	SPL	Fast	94	500	90.9	-3.2 ±1.4
			7,		1000	94.1	Ref
					2000	95.5	+1.2 ±1.6
					4000	95.9	+1.0±1.6
					8000	92.5	-1.1+2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.0	-3.0 ±2.0
					63	93.2	-0.8 ±1.5
					125	93.9	-0.2 ±1.5
		dBC SPL		94	250	94.0	-0.0 ±1.4
30-130	dBC		Fast		500	94.1	-0.0 ±1.4
					1000	94.1	Ref
					2000	94.1	-0.2 ±1.6
					4000	94.1	-0.8 ±1.6
					8000	90.6	-3.0 +2.1: -3.1

Certificate No.: APJ21-161-CC001



Page 3 of 4



5. Calibration Results Applied

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

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.05
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

Page 4 of 4

Certificate No. D224349E



CALIBRATION CERTIFICATE

Product : SOUND CALIBRATOR

Type : 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

Specified secondary standard microphone:

Type

: 4160

Serial number : 2973341

Reference Sound pressure: 2×10.5 Pa

*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

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

Working measurement standard universal counter:

: 53132A

Serial number : MY40005574

(JCSS Calibration Certificate No. 21081499079575510)

2. Total distortion

Measured	
value	181770
0.2 %	

Working measurement standard distortion meter:

: VA-2230A

Serial number : 11076061

(A2LA Calibration Certificate No. 1501-03080)

- closing -





輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C216243

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC21-2101)

Date of Receipt / 收件日期: 12 October 2021

Description / 儀器名稱

Mini Anemometer

Manufacturer / 製造商

RS PRO

Model No. / 型號

RS-90

Serial No. / 編號

210722168

Supplied By / 委託者

Acuity Sustainability Consulting Limited

Room C 11/F, Ford Glory Plaza, No. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon

TEST CONDITIONS / 測試條件

Temperature / 溫度

 $(23 \pm 2)^{\circ}$ C

Relative Humidity / 相對濕度:

 $(50 \pm 25)\%$

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

25 October 2021

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.

The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Testo Industrial Services GmbH, Germany
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By

測試

CK Lo Assistant Engineer

Certified By

核證

Engineer

Date of Issue

26 October 2021

簽發日期

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。



輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration

Certificate No.: C216243

證書編號

The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. Test equipment:

Equipment ID	Description	Certificate No.
CL018	Portable Calibrator	C204749
CL041 & CL041B	Digital Thermometer	C212654
CL042 & CL042B	Digital Thermometer	C212655
CL292	Recorder	C214057
CL330	Environmental Chamber	C205909
CL386	Multi-function Measuring Instrument	S16494

Test procedure: MA006 & MA130N.

Results: 4.

Air Velocity 4.1

Applied	UUT	Measured Correction							
Value	Reading	Value	Measurement Uncertainty						
(m/s)	(m/s)	(m/s)	Expanded Uncertainty (m/s)	Coverage Factor					
2.01	1.70	+0.31	0.15	2.0					
4.00	3.75	+0.25	0.20	2.0					
6.01	5.81	+0.20	0.25	2.0					
8.00	7.74	+0.26	0.29	2.0					
10.01	9.84	+0.17	0.34	2.0					

The results presented are the mean of 10 measurements at each calibration point.

Temperature

Applied	UUT	Measured Correction							
Value	Reading	Value	Measurement Uncertainty						
(°C)	(°C)	(°C)	Expanded Uncertainty (°C)	Coverage Factor					
25.0	24.8	+0.2	0.5	2.0					

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

Remarks: - The Measured Corrections are defined as: Value = Applied Value - UUT Reading

- The expanded uncertainties are for a level of confidence of 95 %.

Note:

Only the original copy or the laboratory's certified true copy is valid.

The values given in this 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 environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

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-BC010056

Date of Issue

: 18 January 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:

12 January 2023

Date of Calibration:

17 January 2023

Date of Next Calibration :

16 April 2023

Request No.:

D-BC010056

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter

Reference Method

pH value

APHA 21e 4500 H+

Temperature

Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March

2008: Working Thermometer Calibration Procedure

Salinity

APHA 21e 2520 B

Dissolved oxygen

APHA 21e 4500 O

Turbidity

APHA 21e 2130 B

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	3.94	-0.06	Satisfactory
7.42	7.54	0.12	Satisfactory
10.01	9.92	-0.09	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
10	11.03	1.03	Satisfactory
23	24.48	1.48	Satisfactory
33	34.19	1.19	Satisfactory

Tolerance of Temperature should be less than $\pm\,2.0$ (°C)

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.51	-4.90	Satisfactory
20	19.04	-4.80	Satisfactory
30	29.62	-1.27	Satisfactory

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

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning
Assistant Manager (Chemical Testing)



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-BC010056

Date of Issue

: 18 January 2023

Page No.

: 2 of 2

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
9.00	8.78	-0.22	Satisfactory
5.88	5.44	-0.44	Satisfactory
2.65	2.25	-0.40	Satisfactory
1.14	0.80	-0.34	Satisfactory

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

(5) Turbidity

Exp	ected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
	0	0.11	d	Satisfactory
	10	10.0	0.0	Satisfactory
F	20	21.5	7.3	Satisfactory
X	100	108	8.0	Satisfactory
	800	812	1.5	Satisfactory

Tolerance of Turbidity should be less than ± 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

Page 2 Pages

Customer: Acuity Sustainability Consulting Limited

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

Order No.: Q24081

Date of receipt

31-Oct-22

Item Tested

Description : Flow Probe

Manufacturer: Global Water

I.D.

Model

: FP111

Serial No.

: 22K100859

Test Conditions

Date of Test:

7-Nov-22

Supply Voltage : --

Ambient Temperature :

23°C

Relative Humidity: 78%

Test Specifications

Calibration check.

Ref. Document/Procedure: V12

Test Results

All results were within the manufacturer's specification.

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

Main Test equipment used:

Equipment No. Description

Cert. No.

Traceable to

S179

Std. Tape

201868

NIM-PRC

S136A

Stop Watch

201878

SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

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

Calibrated by :

Kin Wong

Approved by:

This Certificate is issued by

Hong Kong Calibration Ltd.

7-Nov-22

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



Calibration Certificate

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: ± 1 %, for a confidence probability of not less than 95%.

----- END -----

Appendix E Monitoring Results

Air Quality

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

Date	Equipment	Equipment	K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level
Date	Brand & Model	Serial No.	K-lactor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (S)	μg/m ³	μg/m³	μg/m³	μg/m ³	μg/m³	μg/m ³
1/2/2023	Sibata LD-5R	0Z4545	0.00114	Fine	14:30	15:30	16:30	32	41	35	36		
7/2/2023	Sibata LD-5R	0Z4545	0.00114	Fine	14:50	15:50	16:50	22	23	20	22		
13/2/2023	Sibata LD-5R	0Z4545	0.00114	Fine	13:14	14:14	15:14	24	21	26	24	285	500
18/2/2023	Sibata LD-5R	0Z4545	0.00114	Fine	9:00	10:00	11:00	18	21	19	19		
24/2/2023	Sibata LD-5R	942532	0.00108	Fine	13:00	14:00	15:00	32	33	36	34		
Average 27													

Average 27
Max. 41
Min. 18

21

1-hour TSP Concentration (µg/m³) 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
Date	Brand & Model	Serial No.	IX-IUCIOI	Weather	Sampling Time (1)	Jamping Time (2)	Sampling Time (3)	μg/m ³	μg/m³	μg/m³	μg/m³	μg/m³	μg/m³
1/2/2023	Sibata LD-5R	942532	0.00108	Fine	14:20	15:20	16:20	41	43	39	41		
7/2/2023	Sibata LD-5R	882106	0.00107	Fine	14:10	15:10	16:10	20	22	21	21		
13/2/2023	Sibata LD-5R	882106	0.00107	Fine	14:00	15:00	16:00	24	23	22	23	279	500
18/2/2023	Sibata LD-5R	942532	0.00108	Fine	9:15	10:15	11:15	22	21	23	22		
24/2/2023	Sibata LD-5R	882106	0.00107	Fine	13:30	14:30	15:30	32	36	33	34		
							Average		28				
							Max.		43				
							Min		20				

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

- 110ui 101	Concentration (F	.g, , at =000											
Date	Equipment	Equipment K-factor	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average	Action Level	Limit Level	
Date	Brand & Model	Serial No.	IX-Iactoi	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	μg/m ³					
1/2/2023	Sibata LD-5R	882106	0.00107	Fine	14:44	15:44	16:44	51	49	48	49		
7/2/2023	Sibata LD-5R	942532	0.00108	Fine	14:26	15:26	16:26	22	25	23	23		
13/2/2023	Sibata LD-5R	942532	0.00108	Fine	10:15	11:15	12:15	21	25	22	23	285	500
18/2/2023	Sibata LD-5R	882106	0.00107	Fine	9:30	10:30	11:30	23	28	21	24		
24/2/2023	Sibata LD-5R	0Z4545	0.00114	Fine	11:00	12:00	13:00	45	49	38	44		
		•		-			Average		33				
							Max.		51				

Min.

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

Start Date	Avg Air Temp	Avg Atmospheric Pressure	weatner	Elapse Time Sampling T		Sampling Time	ampling Time Averaged Flow Ave		Total Flow Volume	Filter Weight (g)		Particulate weight	Concentration	Action Level	Limit Level
	(°C)	(hPa)	Condition	Initial	Final	(minutes)	(cfm)	(m³/min)	(m ³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
1/2/2023	19.7	1016.9	Fine	469.91	493.91	1440	41	0.68	976	2.6766	2.8265	0.1499	154		
7/2/2023	22.5	1016.3	Fine	517.91	541.91	1440	43	0.74	1067	2.6596	2.7256	0.0660	62		
13/2/2023	23.4	1016.3	Fine	541.91	565.91	1440	42.5	0.72	1038	2.6622	2.7522	0.0900	87	164	260
18/2/2023	25.9	1017.9	Fine	565.91	589.91	1440	43.5	0.75	1083	2.6729	2.8326	0.1597	147		
24/2/2023	17.7	1021.7	Fine	589.91	613.91	1440	44	0.80	1148	2.7823	3.1107	0.3284	286	1	
-				-					-			Average	145		
												Min	62		
												Max	286		

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

Start Date	Avg Air Temp	Avg Atmospheric Pressure	weather	Elapse	Time	Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter We	eight (g)	Particulate weight	Concentration	Action Level	Limit Level
	(°C)	(hPa)	Condition	Initial	Final	(minutes)	(cfm)	(m³/min)	(m ³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
1/2/2023	19.7	1016.9	Fine	405.47	429.47	1440	42	0.72	1031	2.6825	2.7839	0.1014	98		
7/2/2023	22.5	1016.3	Fine	429.47	453.47	1440	41.5	0.70	1001	2.6414	2.7072	0.0658	66		
13/2/2023	23.4	1016.3	Fine	453.47	477.47	1440	41	0.68	978	2.6705	2.7297	0.0592	61	152	260
18/2/2023	25.9	1017.9	Fine	477.47	501.47	1440	43.5	0.75	1076	2.6689	2.7725	0.1036	96		
24/2/2023	17.7	1021.7	Fine	501.47	525.47	1440	38	0.61	879	2.7707	2.8811	0.1104	126		
	-	•										Average	89		-
												Min	61		
												Max	126		

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

Start Date	Avg Air Temp	Avg Atmospheric Pressure	Weather Condition	Elapse	Time	Sampling Time	Averaged Flow Rate	Flow Rate	Total Flow Volume	Filter W	eight (g)	Particulate weight	Concentration	Action Level	Limit Level
	(°C)	(hPa)	Condition	Initial	Final	(minutes)	(cfm)	(m³/min)	(m ³)	Initial	Final	(g)	(µg/m³)	(µg/m³)	(µg/m3)
1/2/2023	19.7	1016.9	Fine	1246.11	1270.11	1440	45	0.64	923	2.6740	2.8211	0.1471	159		
7/2/2023	22.5	1016.3	Fine	1297.12	1321.12	1440	47	0.69	999	2.6537	2.7643	0.1106	111		
13/2/2023	23.4	1016.3	Fine	1321.12	1345.12	1440	47.5	0.71	1017	2.6624	2.7573	0.0949	93	163	260
18/2/2023	25.9	1017.9	Fine	1345.12	1369.12	1440	48	0.72	1034	2.6688	2.9322	0.2634	255		
24/2/2023	17.7	1021.7	Fine	1369.12	1393.12	1440	48	0.74	1070	2.6695	2.9738	0.3043	284		
												Average	181		
												Min	93		

Max

284

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

Noise

Impact Phase Construction Noise Monitoring Data at Location NM1

Date	Weather	Wind speed	Start Time	End Time				L _{ec}	, (dB(A))				L 10 (C	IB(A))					L ₉₀ (d	IB(A))		
Date	vveatilei	m/s	Start Time	Liiu iiiie	1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
1/2/2023	Fine	1.9	17:09	17:39	58.5	52.5	53.2	54.1	54.9	52.8	54.9	58.7	54.2	55.2	57.3	56.6	54.5	51	50	50.6	50.8	51.3	50.1
7/2/2023	Fine	1.7	16:18	16:48	45.1	46.7	49.1	45.3	49.9	38.1	47.0	49.1	47.2	50.3	48.2	50.1	40.4	33.8	33.1	33.1	33	33	31.7
13/2/2023	Fine	0	10:26	10:56	53.1	53.4	53.4	52.5	53.6	53.6	53.3	55.9	55.9	56.1	55.1	55.8	56.1	47.9	49.4	49.2	48.6	50	49.4
24/2/2023	Fine	1.3	11:08	11:38	52.3	53.2	52.8	53.1	53.3	53.1	53.0	56.8	58.2	57.1	58.6	58.2	59.1	50.2	51.2	50.2	49.2	50.2	51.4
									Avorage	`	E2 0												

Average 52.8
Baseline Level 55.4
Action Level When one valid documented complaint is received
Limit Level 75

Impact Phase Construction Noise Monitoring Data at Location NM2

Date	Weather	Wind speed	Start Time	End Time				L _{ec}	, (dB(A	v))				L 10 (c	B(A))					L 90 (C	iB(A))		
Date	vveatilei	m/s	Start Tille	Liiu iiiie	1st	2nd	3rd	4th	5th	6th	Overall (30min)	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	6th
1/2/2023	Fine	2.4	15:10	15:40	48.5	46.2	41.4	43.7	47.1	46.8	46.2	51.2	50.5	44.5	47.8	47.1	48.5	33.9	35.1	33	33.9	34.9	34.2
7/2/2023	Fine	2.1	10:10	10:40	44.1	42.6	44.7	45.2	46.8	51.5	46.9	49.2	46.2	48.8	47.2	47.5	53.2	32	36	34.9	34.9	36.2	41.2
13/2/2023	Fine	0.4	16:05	16:35	53.6	57.8	53.6	54	54.5	50	54.5	56.1	59.3	55.9	56.5	58.2	51.1	45.2	42.8	42.2	45.2	44.9	46
24/2/2023	Fine	1.2	14:28	14:58	45.9	48.1	45.6	46.7	47.1	48.2	47.0	47.6	51.2	47.5	48.3	49.1	51.3	41.2	40.3	42.1	43.2	41.2	40.2
_		-	-	_					Averag	е	50.2												
								Bas	seline L	.evel	54.5							_					
								Ac	tion Le	vel	When one va	alid doc	umente	d compl	aint is r	eceived		1					

75

Limit Level

Water Quality

Monitoring Location: WM1

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature (°C)		DO (mg/L)			рН			Turbidity (NTU)			SS (mg/L)	
					(6)	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
7-Feb-23	16:25	Fine	0.1	0.1	24.6	7.7	<7.4	<4	7.4	>7.7	>7.8	5.0	>9.2	>9.5	3.4	>9.7	>11.4

Monitoring Location: WM2

Date	Time	Weather	Water Depth (m)	Water Flow (L/s)	Water Temperature		DO (mg/L)			рН			Turbidity (NTU)			SS (mg/L)	
					(0)	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level	Value	Action Level	Limit Level
7-Feb-23	10:40	Fine	0.13	0.10	23.58	7.5	<5	<4	7.2	>7.6	>7.7	8.6	>108.3	>108.9	9.1	>94.5	>94.7

Remarks

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

^{2. &}quot;TBC" equal to "To be confirm"

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

Address

CERTIFICATE OF ANALYSIS

: ACUMEN LABORATORY AND TESTING LIMITED : ALS Technichem (HK) Pty Ltd : 1 of 10 Client Laboratory Page

: HK2304916 : MR HUNTINGTON HUI : Richard Fung Contact Contact Work Order

: UNIT D, 12/F, FORD GLORY PLAZA, NOS.37-39 WING HONG : 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

Signatories

Aa

Kwai Tsing Hong Kong

: htthui@acumen-env.com : richard.fung@alsglobal.com E-mail E-mail

: +852 2333 6823 : +852 2610 1044 Telephone Telephone : +852 2333 1316 : +852 2610 2021 Facsimile Facsimile

: NENTX Date Samples Received : 07-Feb-2023 Project

: HKE/2751/2022_V2 : 21-Feb-2023 Order number Issue Date Quote

number

No. of samples received : 2 C-O-C number : ----

: 2 No. of samples analysed Site

This report may not be reproduced except with prior written approval from This document has been signed by those names that appear on this report and are the authorised signatories. the testing laboratory.

> Fung Lim Chee, Richard **Managing Director** Inorganics, Kwai Tsing

Fung Lim Chee, Richard **Managing Director** Metals ENV. Kwai Tsing

Ng Sin Kou, May Laboratory Manager Microbiology_ENV, Kwai

Tsing

Authorised results for

ALS Technichem (HK) Pty Ltd Part of the ALS Laboratory Group Page Number : 2 of 10

Client : ACUMEN LABORATORY AND TESTING LIMITED

Work Order HK2304916



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 07-Feb-2023 to 21-Feb-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: HK2304916

Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in chilled condition. The result(s) related only to the item(s) tested.

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.

Microbiological sample(s) was/ were collected in 250mL sterile plastic bottles containing sodium thiosulfate. Sample(s) arrived at the laboratory at 18:00.

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.

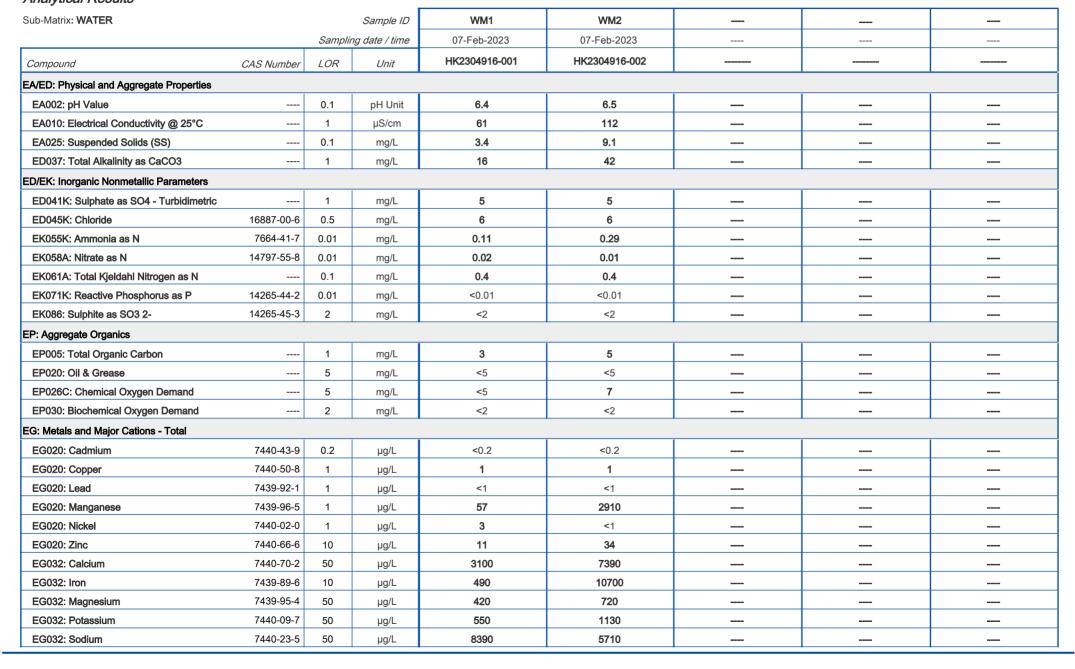
Client

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ACUMEN LABORATORY AND TESTING LIMITED

Work Order HK2304916

Analytical Results





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Client

ACUMEN LABORATORY AND TESTING LIMITED

Work Order

HK2304916



Sub-Matrix: WATER			Sample ID	WM1	WM2	 	
		Samplii	ng date / time	07-Feb-2023	07-Feb-2023	 	
Compound	CAS Number	LOR	Unit	HK2304916-001	HK2304916-002	 	
EM: Microbiological Testing							
EM002: E. coli		1	CFU/100mL	NOT DETECTED	NOT DETECTED	 	
EM003: Total Coliforms		1	CFU/100mL	24	4200	 	

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Client : ACUMEN LABORATORY AND TESTING LIMITED

Work Order HK2304916

ALS

Laboratory Duplicate (DUP) Report

Matrix: WATER					Labo	ratory Duplicate (DUP)	Report	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	<i>RPD</i> (%)
EA/ED: Physical and Ac	gregate Properties (QC Lot:	4859726)						
HK2304537-015	Anonymous	EA010: Electrical Conductivity @ 25°C		1	μS/cm	140	140	0.0
EA/ED: Physical and Ac	gregate Properties (QC Lot:	4860636)						
HK2304895-001	Anonymous	ED037: Total Alkalinity as CaCO3		1	mg/L	964	959	0.5
EA/ED: Physical and Ac	gregate Properties (QC Lot:	4860639)	·				·	
HK2304870-007	Anonymous	EA002: pH Value		0.1	pH Unit	9.6	9.5	0.0
EA/ED: Physical and Aç	gregate Properties (QC Lot:	4864853)	·				'	
HK2304999-001	Anonymous	EA025: Suspended Solids (SS)		0.5	mg/L	86.4	86.0	0.5
HK2305003-001	Anonymous	EA025: Suspended Solids (SS)		0.5	mg/L	55.4	54.8	1.0
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4859289)	· ·			'	'	
HK2304249-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	15.8	15.6	0.8
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4862277)	·					
HK2304531-001	Anonymous	ED045K: Chloride	16887-00-6	1	mg/L	<1	<1	0.0
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4862279)					·	
HK2305076-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	283	256	10.1
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4862280)	·				·	
HK2305076-001	Anonymous	ED045K: Chloride	16887-00-6	1	mg/L	204	192	6.3
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4864981)						
HK2303582-001	Anonymous	EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4879079)	·				·	
HK2306370-005	Anonymous	EK055K: Ammonia as N	7664-41-7	0.01	mg/L	17.0	17.0	0.5
ED/EK: Inorganic Nonm	etallic Parameters (QC Lot:	4884864)	·				'	
HK2306672-001	Anonymous	EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2	<2	0.0
EP: Aggregate Organics	s (QC Lot: 4870727)	·	·				'	
HK2305640-005	Anonymous	EP005: Total Organic Carbon		1	mg/L	<1	<1	0.0
EP: Aggregate Organics	s (QC Lot: 4879048)	'	·			'	'	
HK2304612-001	Anonymous	EP026C: Chemical Oxygen Demand		5	mg/L	<5	<5	0.0
EG: Metals and Major C	cations - Total (QC Lot: 4859		· ·			·	'	
HK2304536-002	Anonymous	EG020: Cadmium	7440-43-9	0.2	μg/L	<0.2	<0.2	0.0
		EG020: Copper	7440-50-8	1	μg/L	30	30	0.0
		EG020: Lead	7439-92-1	1	μg/L	<1	<1	0.0

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HK2304916

Client : ACUMEN I

Work Order

ACUMEN LABORATORY AND TESTING LIMITED



Matrix: WATER					Labora	ntory Duplicate (DUP)	Report	
Laboratory	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate	RPD (%)
sample ID							Result	
EG: Metals and Major Cat	ions - Total (QC Lot: 4859203) -	Continued						
HK2304536-002	Anonymous	EG020: Manganese	7439-96-5	1	μg/L	<1	<1	0.0
		EG020: Nickel	7440-02-0	1	μg/L	2	2	0.0
		EG020: Zinc	7440-66-6	10	μg/L	12	11	0.0
EG: Metals and Major Cat	ions - Total (QC Lot: 4859208)							
HK2304916-002	WM2	EG032: Iron	7439-89-6	10	μg/L	10700	10700	0.0
		EG032: Calcium	7440-70-2	50	μg/L	7390	7370	0.3
		EG032: Magnesium	7439-95-4	50	μg/L	720	720	0.0
		EG032: Potassium	7440-09-7	50	μg/L	1130	1140	0.9
		EG032: Sodium	7440-23-5	50	μg/L	5710	5690	0.4

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

Matrix: WATER			Method Blank (ME	3) Report		Laboratory Contr	ol Spike (LCS) and Labora	tory Control S	pike Duplicate (DCS) Report	
					Spike Concentration	Spike Red	covery (%)	Recove	nry Limits(%)	RP	D (%)
Method: Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EA/ED: Physical and Aggregate Properties (QC Lot	: 4859726)										
EA010: Electrical Conductivity @ 25°C		1	μS/cm	<1	146.9 µS/cm	102		93.5	106		
				<1	1412 μS/cm	97.6		94.3	105		
EA/ED: Physical and Aggregate Properties (QC Lot	: 4860636)										
ED037: Total Alkalinity as CaCO3		1	mg/L	<1	50 mg/L	102		95.0	105		
				<1	2000 mg/L	100.0		95.0	105		
EA/ED: Physical and Aggregate Properties (QC Lot	: 4864853)										
EA025: Suspended Solids (SS)		0.5	mg/L	<0.5	10 mg/L	106		82.4	118		
ED/EK: Inorganic Nonmetallic Parameters (QC Lot:	4859289)										
EK061A: Total Kjeldahl Nitrogen as N		0.1	mg/L	<0.1	0.5 mg/L	94.2		89.0	120		
ED/EK: Inorganic Nonmetallic Parameters (QC Lot:	4862277)										
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	99.3		88.2	108		
ED/EK: Inorganic Nonmetallic Parameters (QC Lot:	4862279)										
ED041K: Sulphate as SO4 - Turbidimetric		1	mg/L	<1	5 mg/L	100		89.8	108		
ED/EK: Inorganic Nonmetallic Parameters (QC Lot:	4862280)										

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Client

ACUMEN LABORATORY AND TESTING LIMITED

Work Order

HK2304916

Matrix: WATER			Method Blank (ME	3) Report		Laboratory Conti	rol Spike (LCS) and Labor	atory Control S	pike Duplicate ((DCS) Report	
					Spike	Spike Re	covery (%)	Recove	ery Limits(%)	RPI	D (%)
Method: Compound	CAS Number	LOR	l Init	Popult	Concentration	100	nce	/ 014/	High	Valua	Control
mealou. Compound	CAS Number	LOR	Unit	Result		LCS	DCS	Low	High	Value	Limit
ED/EK: Inorganic Nonmetallic Parameters (QC	C Lot: 4862280) - Cor	tinued									
ED045K: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	100		88.2	108		
ED/EK: Inorganic Nonmetallic Parameters (QC	C Lot: 4864981)										
EK071K: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	97.6		92.4	106		
ED/EK: Inorganic Nonmetallic Parameters (Q0	C Lot: 4879079)										
EK055K: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	0.5 mg/L	95.1		89.3	109		
ED/EK: Inorganic Nonmetallic Parameters (QC	C Lot: 4884864)										
EK086: Sulphite as SO3 2-	14265-45-3	2	mg/L	<2							
EP: Aggregate Organics (QC Lot: 4860347)											
EP030: Biochemical Oxygen Demand			mg/L		198 mg/L	93.9		78.6	118		
EP: Aggregate Organics (QC Lot: 4870727)											
EP005: Total Organic Carbon		1	mg/L	<1	5 mg/L	112		78.1	123		
				<1	100 mg/L	112		79.9	119		
EP: Aggregate Organics (QC Lot: 4879048)											
EP026C: Chemical Oxygen Demand			mg/L		25 mg/L	98.4		92.0	108		
					250 mg/L	103		92.3	106		
EP: Aggregate Organics (QC Lot: 4879360)											
EP020: Oil & Grease		2	mg/L	<2	20 mg/L	98.8		84.2	110		
EG: Metals and Major Cations - Total (QC Lot	: 4859203)										
EG020: Cadmium	7440-43-9	0.2	μg/L	<0.2	5 μg/L	94.7		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	102		89.0	111		
EG020: Manganese	7439-96-5	1	μg/L	<1	50 μg/L	102		85.0	115		
EG020: Nickel	7440-02-0	1	μg/L	<1	50 μg/L	103		87.0	110		
EG020: Zinc	7440-66-6	10	μg/L	<10	50 μg/L	98.9		86.0	114		
EG: Metals and Major Cations - Total (QC Lot	: 4859208)										
EG032: Calcium	7440-70-2	50	μg/L	<50	2000 μg/L	101		85.0	115		
EG032: Iron	7439-89-6	10	μg/L	<10	2000 μg/L	104		85.0	115		
EG032: Magnesium	7439-95-4	50	μg/L	<50	2000 μg/L	104		85.0	115		
EG032: Potassium	7440-09-7	50	μg/L	<50	2000 μg/L	101		85.0	115		



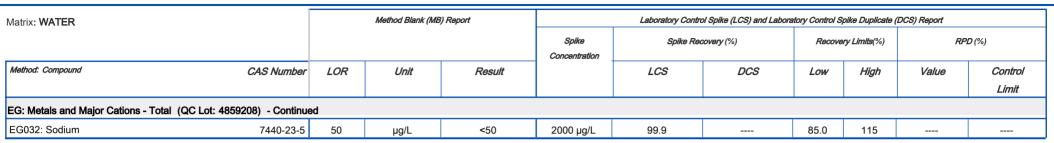
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Client

: ACUMEN LABORATORY AND TESTING LIMITED

Work Order

HK2304916





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Client : ACUMEN LABORATORY AND TESTING LIMITED

Work Order HK2304916



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

Matrix: WATER					Matrix Spil	ke (MS) and Matri	x Spike Duplic	ate (MSD) Re	eport	
				Spike	Spike Re	covery (%)	Recovery	Limits (%)	RPD	0(%)
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control Limit
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4859	289)								
HK2304249-001	Anonymous	EK061A: Total Kjeldahl Nitrogen as N		5 mg/L	90.5		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4862	277)								
HK2304531-001	Anonymous	ED045K: Chloride	16887-00- 6	5 mg/L	87.7		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4862	279)								
HK2305076-001	Anonymous	ED041K: Sulphate as SO4 - Turbidimetric		500 mg/L	90.2		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4862	280)								
HK2305076-001	Anonymous	ED045K: Chloride	16887-00- 6	50 mg/L	# Not Determined		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4864	981)					'			
HK2303582-001		EK071K: Reactive Phosphorus as P	14265-44- 2	0.5 mg/L	99.4		75.0	125		
ED/EK: Inorgani	c Nonmetallic Parameters (QC Lot: 4879	079)								
HK2306370-005	Anonymous	EK055K: Ammonia as N	7664-41-7	50 mg/L	107		75.0	125		
EP: Aggregate C	Organics (QC Lot: 4870727)									
HK2305640-005	Anonymous	EP005: Total Organic Carbon		5 mg/L	92.5		75.0	125		
EP: Aggregate C	Organics (QC Lot: 4879048)									
HK2304612-001	Anonymous	EP026C: Chemical Oxygen Demand		10 mg/L	109		75.0	125		
EG: Metals and	Major Cations - Total (QC Lot: 4859203)	_								
HK2304536-001	Anonymous	EG020: Cadmium	7440-43-9	5 μg/L	93.9		75.0	125		
		EG020: Copper	7440-50-8	50 μg/L	103		75.0	125		
		EG020: Lead	7439-92-1	50 μg/L	102		75.0	125		
		EG020: Manganese	7439-96-5	50 μg/L	100		75.0	125		
		EG020: Nickel	7440-02-0	50 μg/L	103		75.0	125		
		EG020: Zinc	7440-66-6	50 μg/L	104		75.0	125		
	Major Cations - Total (QC Lot: 4859208)									
HK2304916-001	WM1	EG032: Calcium	7440-70-2	2000 μg/L	102		75.0	125		

Page Number

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Client

: ACUMEN LABORATORY AND TESTING LIMITED

Work Order

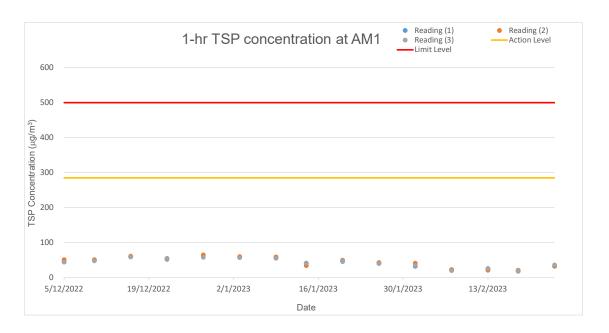
HK2304916

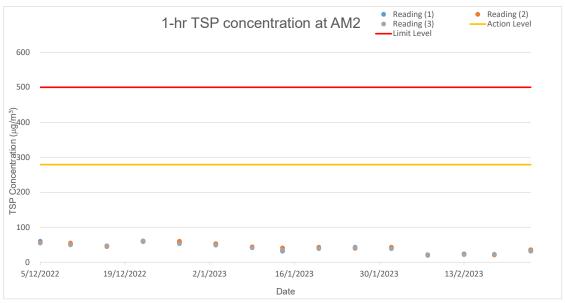
Matrix: WATER				Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike	Spike Re	ecovery (%)	Recovery I	Limits (%)	RPD	(%)
Laboratory	Sample ID	Method: Compound	CAS Number	Concentration	MS	MSD	Low	High	Value	Control
sample ID										Limit
EG: Metals and I	Major Cations - Total (QC Lot: 4859208)	- Continued								
HK2304916-001	WM1	EG032: Iron	7439-89-6	2000 μg/L	103		75.0	125		
		EG032: Magnesium	7439-95-4	2000 μg/L	99.8		75.0	125		
		EG032: Potassium	7440-09-7	2000 μg/L	104		75.0	125		
		EG032: Sodium	7440-23-5	2000 μg/L	# Not		75.0	125		
					Determined					

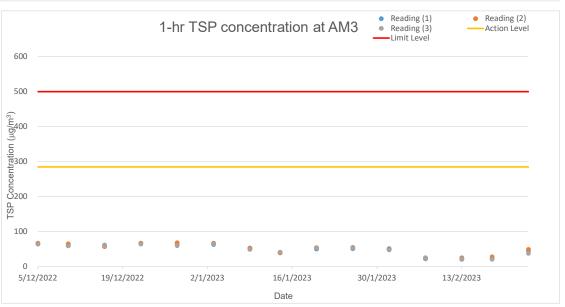


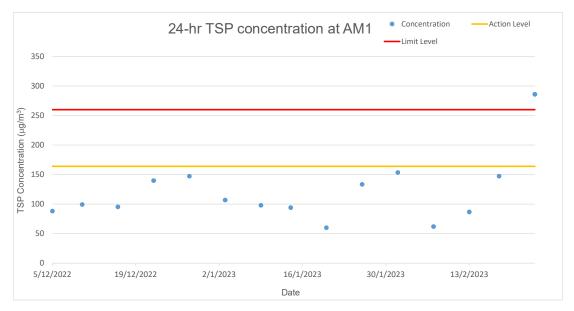
Appendix F Graphical Presentations

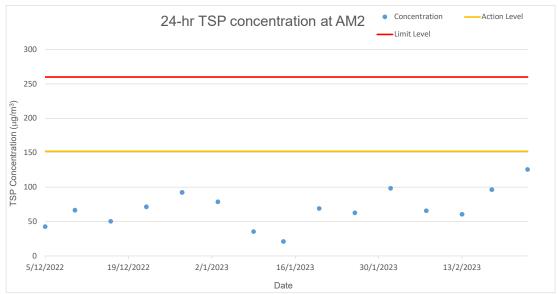
Air Quality

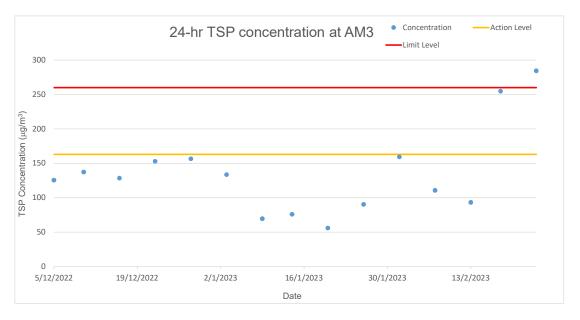




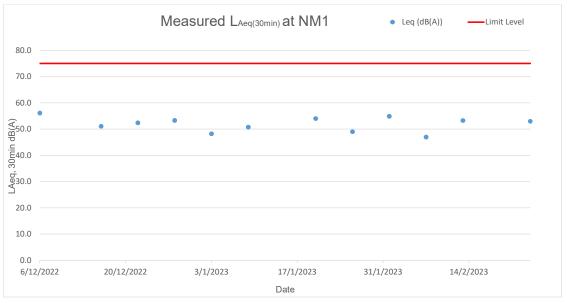


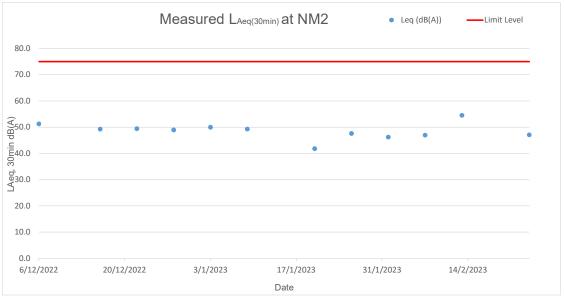




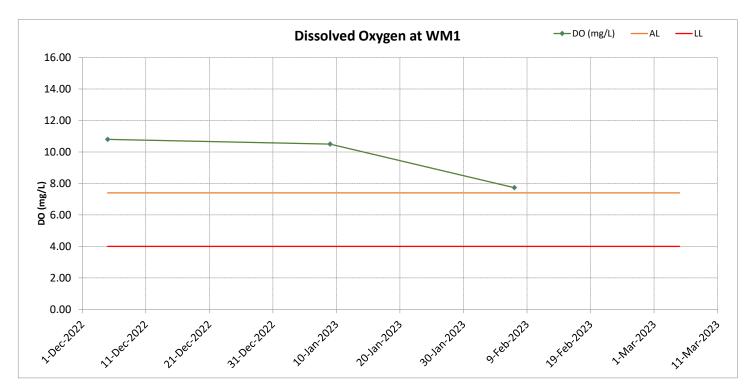


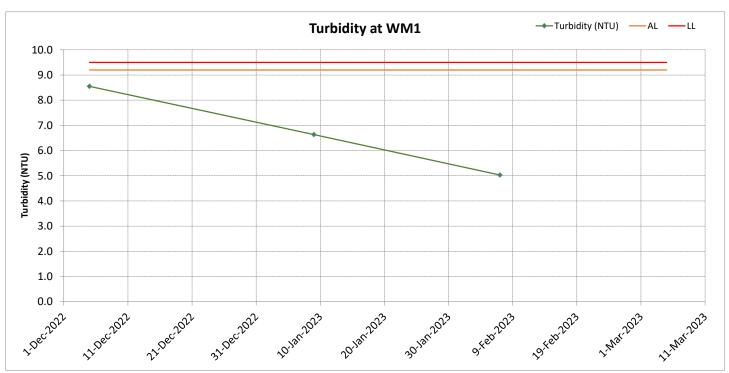
Noise

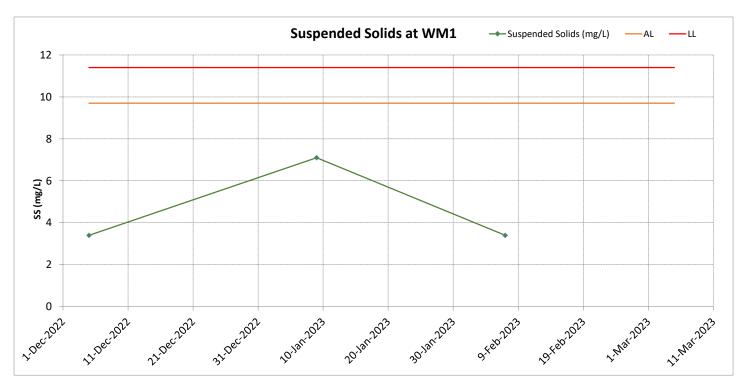


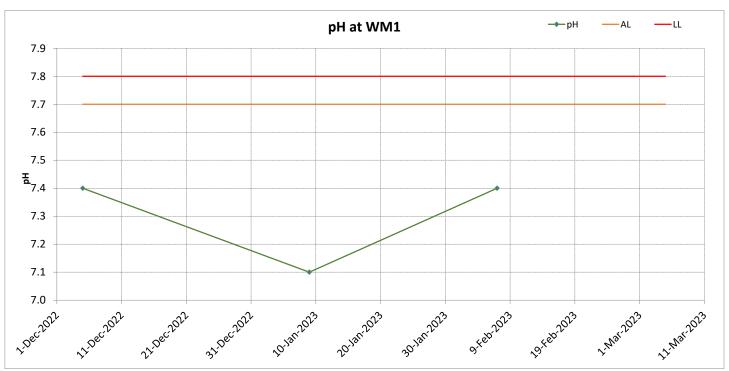


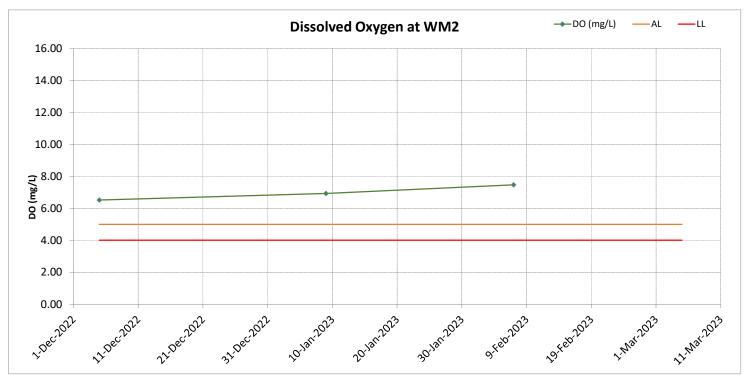
Water Quality

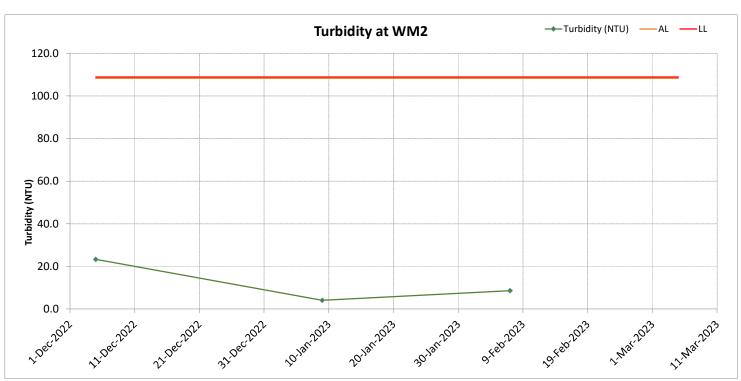


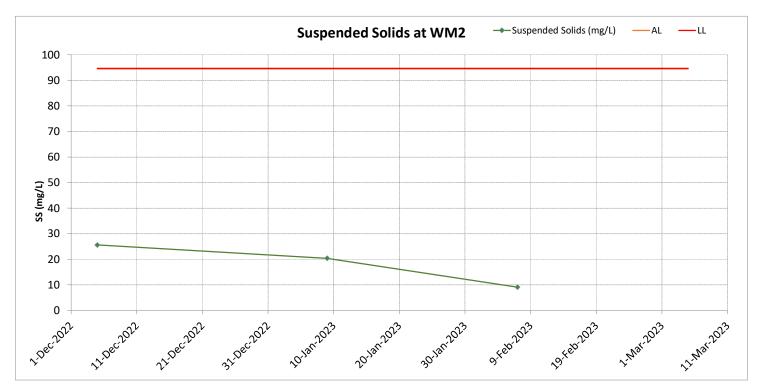


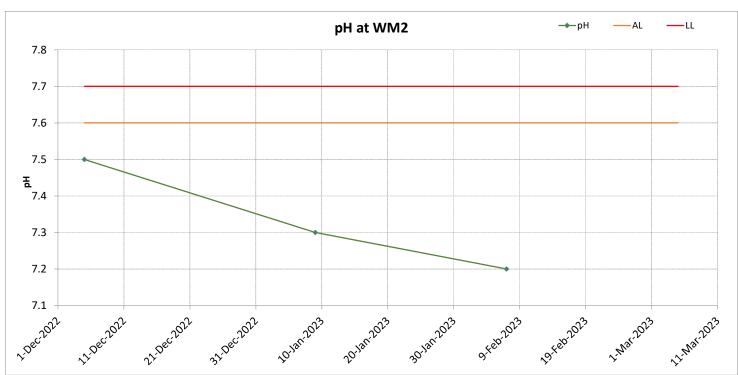












Appendix G Notification of Environmental Quality Limits Exceedance

Notification of Environmental Quality Limits Exceedance

Construction Dust

Dust	Parameter	Parameter 1-hr TSP		Exceedance	
Monitoring Station	Level Exceedance	1-111 135	24-hr TSP	Count	
AM1	Action	-	-	0	
	Limit	-	24 Feb 2023*	1	
AM2	Action	-	-	0	
	Limit	-	-	0	
AM3	Action	-	18 Feb 2023*	1	
	Limit	-	24 Feb 2023*	1	

Remarks: * equal to non-project related

Noise Monitoring

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

Surface Water Monitoring

Manitaring Station	Monitoring	No. of Exceedance		
Monitoring Station	Parameter(s)	Action Level	Limit Level	
	Dissolved ()xygen	0	0	
10/044	рН	0	0	
WM1	Turbidity	0	0	
	Suspended Solids	0	0	
	Dissolved Oxygen	0	0	
14/140	рН	0	0	
WM2	Turbidity	0	0	
	Suspended Solids	0	0	

Notification of Environmental Quality Limits Exceedance

Landfill Gas (LFG) Monitoring

LFG Monitoring	Monitoring	No. of Exceedance		
Station	Parameter(s)	Limit Level		
Portion A +58 mpD,+55 mpD Platform	CH₄	0		
	CO ₂	0		
FlatIOIIII	O ₂	0		

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

(NENT) Landfill Extension

Notification No.: 001 20230218 **Notification of Environmental Quality Limits Exceedances** Date: 28 February 2023

Monitoring Data Received date: 23 February 2023

Date of Notification: 23 February 2023 (by email)

Works Inspected: Project Site Area & Monitoring Station AM3

Monitoring Location: AM3 –Wo Keng Shan Tsuen

Parameter: Air Quality (Construction Dust) – 24-hr TSP

,								
Action & Limit Levels			Measured Level					
Time Period	Action Level	Limit Level	Monitoring Period:	18 Feb 2023 10:32 to 19 Feb 2023 10:32				
24 hours	> 163	>260	Concentration (μg/m³)	255				
			Repeat Measured	Level				
			Monitoring Period:	24 Feb 2023 10:53 to 25 Feb 2023 10:53				
			Concentration (μg/m³)	284				

Possible reason for Action or Limit Level Non-compliance:

An exceedance in Limit Level of 24-hr TSP air quality was recorded during impact monitoring at AM3 from 18 to 19 February 2023. Based on contractor's record, construction activities and mitigation measures conducted by contractor from 18 February 2023 [Photo 1 to Photo 6] were listed below:

Construction Activities (18 Feb 2023)	Mitigation Measures
Site Formation Work at Portion A (PM)	Wheel washing facilities with high-pressure water jets
Site Formation Work at Portion A (PW)	Frequent watering of the unpaved area and work area
Fire service building (FSB) foundation rebar fixing at Portion D	Non high dust emission construction works with the
Fire services building (FSB) formwork erection at Portion D	properly implemented dust mitigation measures (Frequent watering of the unpaved area and work
Integrated building office (IOB) conducting the plate load test at Portion D	area)
	Water spraying by water hose & water tanker at SBA

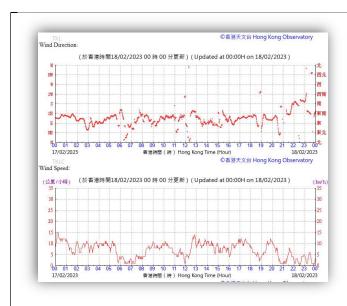
The path of water sprayed by water tanker and water spraying by water hose & water tanker schedule are presented in Appendix A.

No construction work from the project was conducted on 19 February 2023 (Sunday).

During the regular weekly site inspection on 13 & 20 February 2023, it was observed that the dust mitigation measures were implemented such as wheel washing facilities with high-pressure water jets have been provided at all site exits of the project and cleaning all vehicles before allowing them to leave the construction site to ensure that no mud or debris would be brought to the public area [Photos 5 to 6]. And the frequent watering of the unpaved area and work area were implemented in the construction site.

According to the observations record during the monitoring period on 18 February 2023, no dusty construction works of the project was found by monitoring staff. The dust emission from vehicular was observed on the public road, Wo Keng Shan Road [Photo 7].

Based on the HKO's record (Hong Kong Observatory Automatic Weather Station - Tai Kwu Ling), The prevailing wind direction is from southeast to east during the monitoring period. AM3 is at upwind direction at Portion A and Portion D. Therefore, the construction activities of the project may not cause the high level of concentration at AM3. Impact monitoring location and site area from the project are shown in Figure 1.



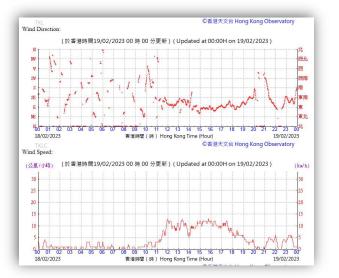


Photo 1 Traffic accident happened outside Portion A

Photo 2 Fire Services Building (FSB) formwork erection at Portion D





Photo 3 FSB Rebar Fixing at Portion D

Photo 4 Integrated Building Office (IOB) conducting the plate load test at Portion D





Photo 5 Vehicle Wheel Washing Bay

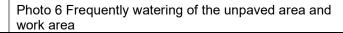






Photo 7 Dust emission from vehicular



Follow Up

Following the Event and Action Plan, a repeat monitoring was undertaken on 24 February 2023 to confirm findings which showed that the limit level exceedance occurred at AM3.

Actions taken/ to be taken:

Due to the measurement from 18 to 19 February 2023 exceeded the Action Level, the actions taken by ET in accordance with the Event/ Action Plan for dust impact were listed below:

- √ Identify source
- ✓ Inform IEC and Contractor
- ✓ Repeat measurement to confirm findings

Due to the repeat measurement from 24 to 25 February 2023 exceeded the Limit Level, the below actions will be taken by ET in accordance with the Event/ Action Plan for dust impact:

- √ Identify source
- ✓ Inform IEC and Contractor
- ✓ Repeat measurement to confirm findings
- ✓ Increase monitoring frequency to daily
- ✓ Assess effectiveness of Contractor's remedial actions and keep EPD and IEC/IC informed of the results

The monitoring frequency will be increased to daily starting from 1 March 2023. The Construction Dust Control

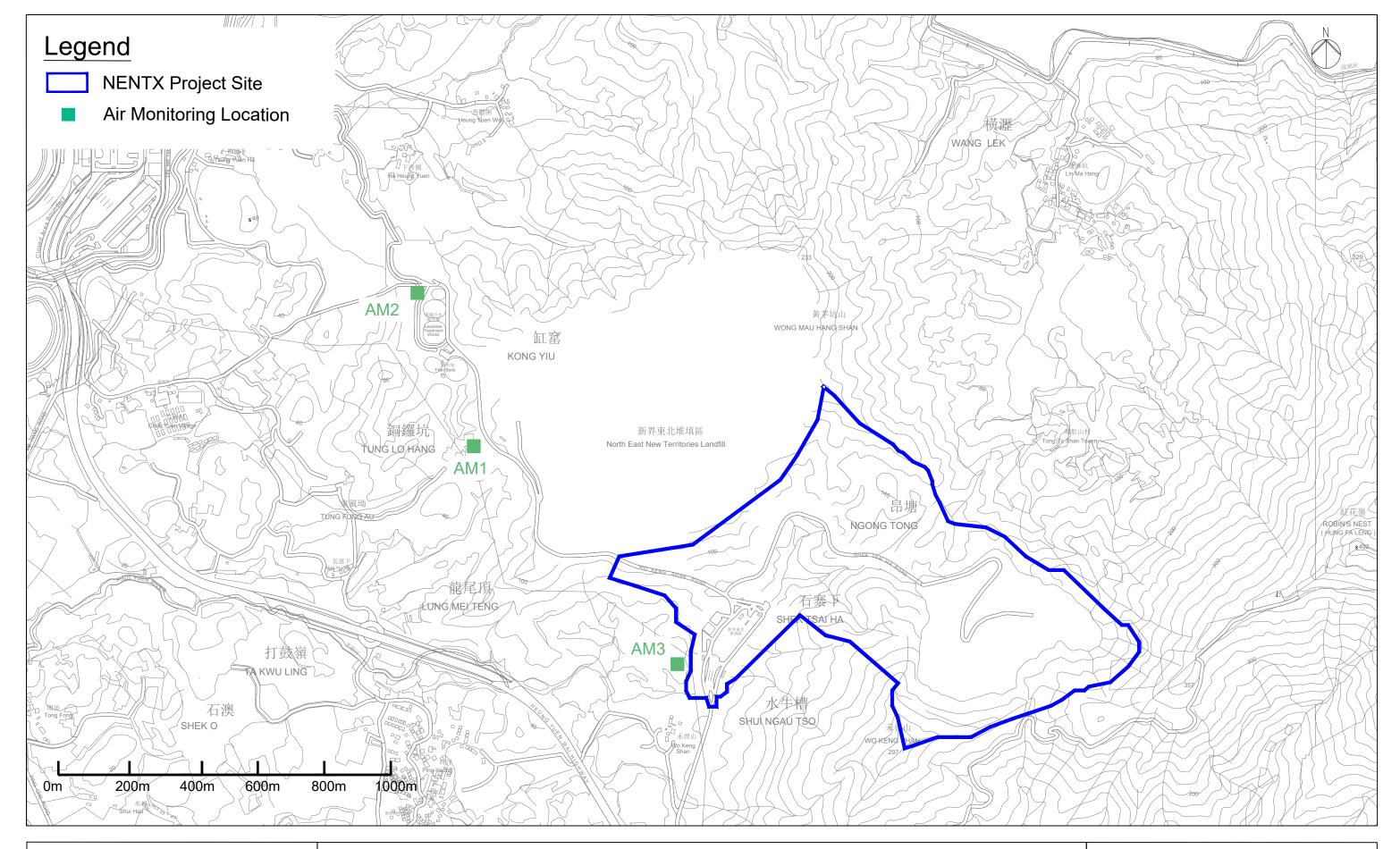
Mitigation Measures by the Environmental Mitigation Measure Implementation Schedule (EMIS) will continue to be implemented by the contractor.

Based on no construction works of the Project causing high dust emission with the properly implemented dust mitigation measures as above mention. Therefore, the exceedance was considered unlikely to be related to the Project.

Reviewed by:	AL R	Title:	Deputy ET Leader	
	Keith Chau	Date:	28 Feb 2023	
	1 ml			
Approved by:	<u> </u>	Title:	ET Leader	
	Fredrick Leong	Date:	28 Feb 2023	

Figure 1

Impact Monitoring Location



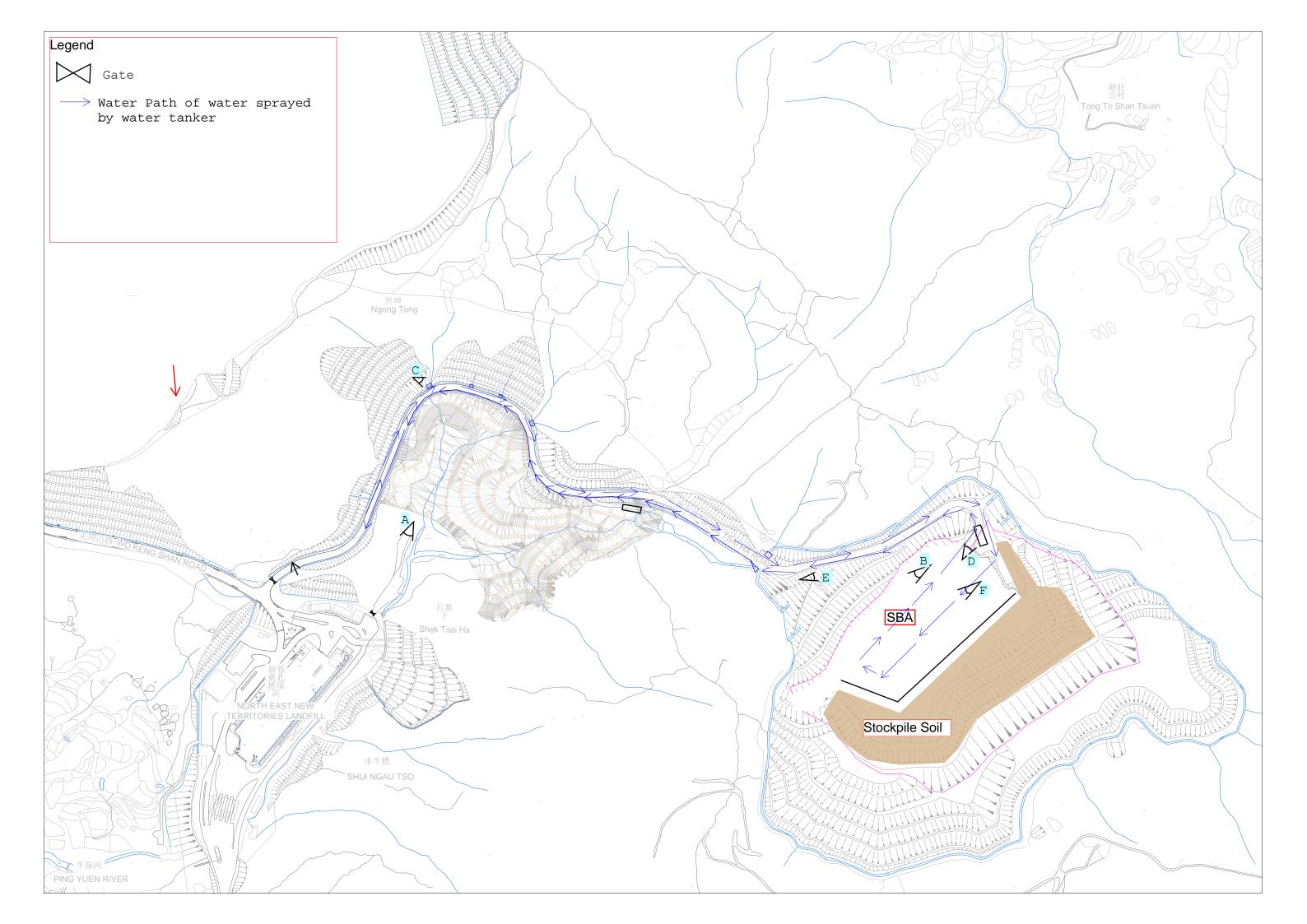


North East New Territories (NENT) Landfill Extension Impact Monitoring Location

Figure 1

Appendix A

Path of water spraying by water tanker & Water spraying by water hose & water tanker schedule



	m:	7. (:			Watering			
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by	
1	900	D			•		峰	
1	930	Е	SBA				傳	
1	930	A					Alex	
1	1100	D					峰	
1	1115	Е	SBA	Z			傳	
1	1115	A		/			Alex	
1	1400	D					峰	
1	1430	Е	SBA				傳	
1	1430	A		/			Alex	
1	1600	D		/			峰	
1	1630	Е	SBA				傳	
1	1630	A					Alex	
2	900	D		1			峰	
2	930	Е	SBA				傳	
2	930	Α					Alex	
2	1100	D		1			峰	
2	1115	Е	SBA				傳	
2	1115	A					Alex	
2	1400	D					峰	
2	1430	Е	SBA				傳	
2	1430	А		/			Alex	
2	1600	D					峰	
2	1630	Е	SBA				傳	
2	1630	A					Alex	
3	900	D					峰	
3	930	Е	SBA				傳	
3	930	A		/			Alex	
3	1100	D					峰	
3	1115		SBA				傳	
3	1115	A					Alex	
3	1400	D		(峰	
3	1430	Е	SBA				傳	
3	1430						Alex	
3	1600	D				-	峰	
3	1630		SBA				傳	
3	1630						Alex	

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D. I	TP'	D 1:	Δ		Watering			
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by	
4	900	D					峰	
4	930	Е	SBA			/	傳	
4	930	A					Alex	
4	1100	D					峰	
4	1115	Е	SBA			/	傳	
4	1115	A					Alex	
4	1400	D					峰	
4	1430	Е	SBA				傳	
4	1430	А					Alex	
4	1600	D					峰	
4	1630	Е	SBA			/	傳	
4	1630	A					Alex	
6	900	D					峰	
6	930	Е	SBA			/	傳	
6	930	A					Alex	
6	1100	D					峰	
6	1115	Е	SBA				傳	
6	1115	A		/			Alex	
6	1400	D					峰	
6	1430	Е	SBA				傳	
6	1430	A					Alex	
6	1600	D					峰	
6	1630	Е	SBA				傳	
6	1630	A		/			Alex	
7	900	D					峰	
7	930	Е	SBA				傳	
7	930	A					Alex	
7	1100	D					峰	
7	1115	Е	SBA				傳	
7	1115	A		/			Alex	
7	1400	D					峰	
7	1430	Е	SBA				傳	
7	1430	A		/			Alex	
7	1600	D					峰	
7	1630	Е	SBA			/	傳	
7	1630						Alex	

Reviewed by: PYE FO

Б.	m:	Destina	Δ		Arranged by		
Date	Time	Portion	Area	Water Hose	Watering Sprinkler	Tanker	Arranged by
8	900	D					峰
8	930	Е	SBA			/	傳
8	930	A		/			Alex
8	1100	D					峰
8	1115	Е	SBA				傳
8	1115	A					Alex
8	1400	D					峰
8	1430	Е	SBA				傳
8	1430	А					Alex
8	1600	D				5	峰
8	1630	Е	SBA				傳
8	1630	A					Alex
9	900	D					峰
9	930	Е	SBA			/	傳
9	930	A					Alex
9	1100	D					峰
9	1115	Е	SBA			/	傳
9	1115	A		/			Alex
9	1400	D					峰
9	1430	Е	SBA				傳
9	1430	A		/			Alex
9	1600	D					峰
9	1630	Е	SBA			/	傳
9	1630	A	İ				Alex
10	900	D					峰
10	930	E	SBA			/	傳
10	930	A					Alex
10	1100	D					峰
10	1115	E	SBA			/	傳
10	1115	A					Alex
10	1400	D					峰
10	1430	E	SBA				傳
10	1430	A	22.1	1			Alex
10	1600	D					峰
10	1630	E	SBA			/	傳
10	1630		1 22				Alex

Reviewed by: Court

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D.	Tr:	D 4'	1 ,		Watering		
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
11	900	D					峰
11	930	Е	SBA			/	傳
11	930	А					Alex
11	1100	D					峰
11	1115	Е	SBA				傳
11	1115	A					Alex
11	1400	D				/	峰
11	1430	Е	SBA				傳
11	1430	A					Alex
11	1600	D				/	峰
11	1630	Е	SBA				傳
11	1630	A					Alex
13	900	D					峰
13	930	Е	SBA				傳
13	930	A					Alex
13	1100	D					峰
13	1115	Е	SBA				傳
13	1115	A					Alex
13	1400	D					峰
13	1430	Е	SBA				傳
13	1430	A					Alex
13	1600	D					峰
13	1630	Е	SBA				傳
13	1630	A					Alex
14	900	D					峰
14	930	Е	SBA			/	傳
14	930	A					Alex
14	1100	D		/			峰
14	1115	Е	SBA			/	傳
14	1115	A					Alex
14	1400	D					峰
14	1430	Е	SBA				傳
14	1430	A					Alex
14	1600	D					峰
14	1630	Е	SBA			/	傳
14	1630	A					Alex

Reviewed by: Icm

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Data	Time	Doution	Δ		Watering		Arranged by
Date		Portion	Area	Water Hose	Sprinkler	Tanker	
15	900	D					峰
15	930	Е	SBA			/	傳
15	930	A					Alex
15	1100	D					峰
15	1115	Е	SBA			/	傳
15	1115	Α		• /			Alex
15	1400	D		1			峰
15	1430	Е	SBA			/	傳
15	1430	A					Alex
15	1600	D		/			峰
15	1630	Е	SBA			/	傳
15	1630	A		/			Alex
16	900	D					峰
16	930	Е	SBA			/	傳
16	930	A					Alex
16	1100	D					峰
16	1115	Е	SBA	1		/	傳
16	1115	A					Alex
16	1400	D					峰
16	1430	Е	SBA			/	傳
16	1430	Α					Alex
16	1600	D					峰
16	1630	Е	SBA			/	傳
16	1630	A					Alex
17	900	D				/	峰
17	930	E	SBA			1	傳
17	930	A					Alex
17	1100	D					峰
17	1115	E	SBA			/	傳
17	1115	A					Alex
17	1400	D					峰
17	1430	Е	SBA			/	傳
17	1430	A		/			Alex
17	1600	D		/			峰
17	1630	Е	SBA			1	傳
17	1630	A					Alex

Reviewed by: Canch
PYE EO

Date Time	Time	Portion Area	A #00	Watering			A
Date	1 ime		Water Hose	Sprinkler	Tanker	Arranged by	
18	900	D					峰
18	930	Е	SBA				傳
18	930	A					Alex
18	1100	D					峰
18	1115	Е	SBA	**			傳
18	1115	Α					Alex
18	1400	D					峰
18	1430	Е	SBA				傳
18	1430	A					Alex
18	1600	D					峰
18	1630	Е	SBA				傳
18	1630	A					Alex
20	900	D					峰
20	930	Е	SBA			/	傳
20	930	A					Alex
20	1100	D		-			峰
20	1115	Е	SBA			/	傳
20	1115	A					Alex
20	1400	D					峰
20	1430	Е	SBA				傳
20	1430	A					Alex
20	1600	D					峰
20	1630	Е	SBA				傳
20	1630	A					Alex
21	900	D					峰
21	930	Е	SBA				傳
21	930	A					Alex
21	1100	D					峰
21	1115	Е	SBA				傳
21	1115	A					Alex
21	1400	D					峰
21	1430	Е	SBA				傳
21	1430	A					Alex
21	1600	D		/			峰
21	1630	E	SBA			/	傳
21	1630	A			· ·		Alex

PYF FO

		Portion A	A		Watering		
Date	Time		Area	Water Hose	Sprinkler	Tanker	Arranged by
22	900	D					峰
22	930	Е	SBA				傳
22	930	A					Alex
22	1100	D					峰
22	1115	Е	SBA				傳
22	1115	A					Alex
22	1400	D					峰
22	1430	Е	SBA			/	傳
22	1430	A					Alex
22	1600	D					峰
22	1630	Е	SBA			/	傳
22	1630	A					Alex
23	900	D					峰
23	930	E	SBA			/	傳
23	930	A					Alex
23	1100	D					峰
23	1115	E	SBA				傳
23	1115	A				1	Alex
23	1400	D					峰
23	1430	Е	SBA				傳
23	1430	A					Alex
23	1600	D					峰
23	1630	Е	SBA				傳
23	1630	A		1			Alex
24	900	D				2	峰
24	930	Е	SBA				傳
24	930	A					Alex
24	1100	D					峰
24	1115		SBA				傳
24	1115	A					Alex
24	1400						峰
24	1430		SBA				傳
24	1430						Alex
24	1600			/			峰
24	1630		SBA				傳
24	1630						Alex

Data	т:	Time Portion Area	A		Watering			
Date	Time		Area	Water Hose	Sprinkler	Tanker	Arranged by	
25	900	D					峰	
25	930	Е	SBA	11			傳	
25	930	А					Alex	
25	1100	D					峰	
25	1115	Е	SBA				傳	
25	1115	Α					Alex	
25	1400	D					峰	
25	1430	Е	SBA				傳	
25	1430	Α					Alex	
25	1600	D					峰	
25	1630	Е	SBA				傳	
25	1630	A					Alex	
27	900	D					峰	
27	930	Е	SBA				傳	
27	930	A					Alex	
27	1100	D					峰	
27	1115	Е	SBA				傳	
27	1115	Α					Alex	
27	1400	D					峰	
27	1430	Е	SBA				傳	
27	1430	Α					Alex	
27	1600	D					峰	
27	1630	Е	SBA				傳	
27	1630	A					Alex	
28	900	D					峰	
28	930	Е	SBA				傳	
28	930	Α					Alex	
28	1100	D					峰	
28	1115	Е	SBA				傳	
28	1115	Α					Alex	
28	1400	D					峰	
28	1430	Е	SBA	,			傳	
28	1430	А					Alex	
28	1600	D				/	峰	
28	1630	Е	SBA				傳	
28	1630	A					Alex	

DVF FO

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

(NENT) Landfill Extension

Notification No.: 002 20230224 **Notification of Environmental Quality Limits Exceedances**

Date: 7 March 2023

Monitoring Data Received date: 28 February 2023

Date of Notification: 28 February 2023 (by email)

Works Inspected: Project Site Area & Monitoring Station AM1 & AM3

Monitoring Location: AM1 –Tung Lo Hang

Parameter: Air Quality (Construction Dust) – 24-hr TSP

Action & Limit Levels			Measured Level	Repeat Measured Level		d Level
Time Period	Action Level	Limit Level	Monitoring Period:	24 Feb 2023 11:34 to 25 Feb 2023 11:34	Monitoring Period:	1 Mar 2023 11:49 to 2 Mar 2023 11:49
24 hours	> 164	> 260	Concentration (μg/m³)	286	Concentration (µg/m³)	231

Monitoring Location: AM3 –Wo Keng Shan Tsuen

Parameter: Air Quality (Construction Dust) – 24-hr TSP

Action & Limit Levels			Measured Level		Repeat Measured Level	
Time Period	Action Level	Limit Level	Monitoring Period:	24 Feb 2023 10:53 to 25 Feb 2023 10:53	Monitoring Period:	1 Mar 2023 11:20 to 2 Mar 2023 11:20
24 hours	> 163	> 260	Concentration (μg/m³)	284	Concentration (μg/m³)	277

Possible reason for Action or Limit Level Non-compliance:

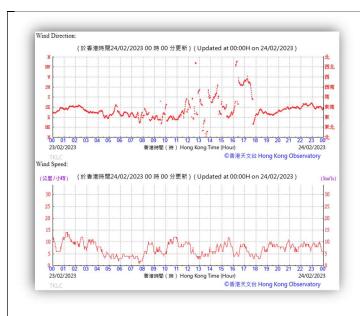
An exceedance in Limit Level of 24-hr TSP air quality was recorded during impact monitoring at AM1 & AM3 from 24 to 25 February 2023. Based on contractor's record, construction activities and mitigation measures conducted by contractor from 24 to 25 February 2023 [Photo 1 to Photo 12] were listed below:

Construction Activities	Mitigation Measures		
Site formation at Portion A	Water spraying by water hose at Portion A		
	Vehicle wash at the exit of Portion A and the SBA		
Internal transportation of soil from Portion A to the SBA	Water spraying by water tanker along the haul road between Portion A and the SBA (The route of water spraying by water tanker is shown in Figure 2)		
Preparation works for permanent building foundation	Water spraying by water hose at Portion D		
concrete pouring at Portion D	Covering of dusty materials at Portion D		
Site Clearance at Portion E3-1			
Stockpiling at the SBA			

The path of water spraying by water tanker & the water spraying by water hose & water tanker schedule are presented in Appendix A.

No dusty construction works of the project were found by monitoring staff. The dust emission from vehicular was observed on the public road, Wo Keng Shan Road [Photo 13]. On the other hand, there was a fire incident on 24 February 2023 near the Project site according to the contractor's onsite record. [Photo 14]

Based on the HKO's record (Hong Kong Observatory Automatic Weather Station - Tai Kwu Ling), the prevailing wind direction is from southeast during the monitoring period. AM1 and AM3 are located at upwind direction at Portion A and Portion D. Therefore, the construction activities of the project may not cause the high level of concentration at AM1 & AM3. The monitoring location & site area are presented in Figure 1.



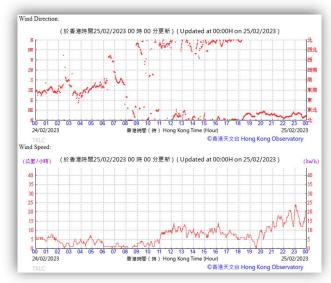


Photo 1 Frequently watering of the site exit at Portion A

Photo 2 Frequently watering of the unpaved area and work area at Portion A



2028

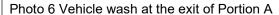
Photo 3 Frequently watering of the unpaved area and work area at Portion A

Photo 4 Frequently watering of the unpaved area and work area at Portion A





Photo 5 Frequently watering of the unpaved area and work area at Portion A





2024(02)22

Photo 7 Vehicle wash at the exit of Portion A

Photo 8 Vehicle wash at the exit of the SBA





Photo 9 Water spraying by water tanker along the haul road between Portion A and the SBA

Photo 10 Water spraying by water tanker along the haul road between Portion A and the SBA





Photo 11 Water spraying by water hose at Portion D

Photo 12 Dusty Materials covered by impervious sheeting at Portion D





Photo 13 Dust emission from vehicular at Wo Keng Shan Road

Photo 14 Fire incident near the project site





Follow Up

Based on contractor's record, construction activities were observed within the site area which included site formation at Portion A, internal transportation of soil from Portion A to the SBA, preparation works for permanent building foundation concrete pouring at Portion D, site clearance at Portion E3-1 & stockpiling at the SBA from 24 to 25 February 2023. No construction works causing high dust emission was found during the monitoring period. Following the Event and Action Plan, a repeat monitoring was undertaken on 1 March 2023 to confirm findings which showed that the action level exceedance occurred at AM1 & the limit level exceedance occurred at AM3.

Actions taken/ to be taken:

Due to the measurement from 24 to 25 February 2023 exceeded the Limit Level at AM1 & AM3, the actions taken by ET in accordance with the Event/ Action Plan for dust impact were listed below:

- √ Identify source
- ✓ Inform IEC and Contractor
- ✓ Repeat measurement to confirm findings
- ✓ Assess effectiveness of Contractor's remedial actions and keep EPD and IEC/IC informed of the results

Due to the repeat measurement from 1 to 2 March 2023 exceeded the Action Level at AM1, the below actions will be taken by ET in accordance with the Event/ Action Plan for dust impact:

- √ Identify source
- ✓ Inform IEC and Contractor
- ✓ Repeat measurement to confirm findings
- ✓ Increase monitoring frequency to daily

Due to the repeat measurement from 1 to 2 March 2023 exceeded the Limit Level at AM3, the below actions will be taken by ET in accordance with the Event/ Action Plan for dust impact:

- ✓ Identify source
- ✓ Inform IEC, IC and EPD the causes and actions taken for the exceedances
- ✓ Increase monitoring frequency to confirm findings
- Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented
- ✓ Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and IC informed of the results
- ✓ If exceedance stops, cease additional monitoring.

The monitoring frequency will be increased to daily starting from 1 March 2023. The Construction Dust Control Mitigation Measures by the Environmental Mitigation Measure Implementation Schedule (EMIS) will continue to be implemented by the contractor. The additional mitigation measures [Photo 15 to 21] are implemented by contractor. Details are shown below:

Additional Mitigation Measures	Start Date
Application of cement slurry at Portion A	10 March 2023
Water spraying by sprinklers at Portion A	1 March 2023
Hydroseeding at bare slope at Portion E3-2	26 February 2023 & 3 March 2023

Photo 15 Application of cement slurry at Portion A



Photo 16 Application of cement slurry at Portion A



Photo 17 Application of cement slurry at Portion A

Photo 18 Water spraying by water sprinklers at Portion A





Photo 19 Hydroseeding at bare slope at Portion E3-2

Photo 20 Hydroseeding at bare slope at Portion E3-2

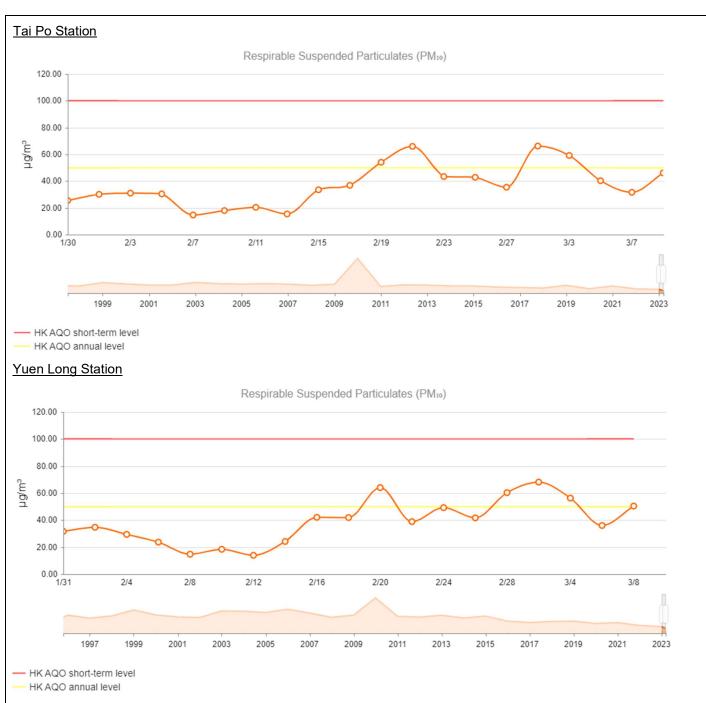




Photo 21 Hydroseeding at bare slope at Portion E3-2



In view of the press releases from the government on 1 March 2023, the health risk category for Air Quality Health Index (AQHIs) may reach the "Serious" level on 1 March 2023 (https://www.info.gov.hk/gia/general/202303/01/P2023030100565.htm?fontSize=1). Respirable Suspended Particulates (RSP)(PM10) is one of monitoring parameter from AQHIs. The RSP concentration at EPD Tai Po & Yuen Long monitoring station are shown in below:



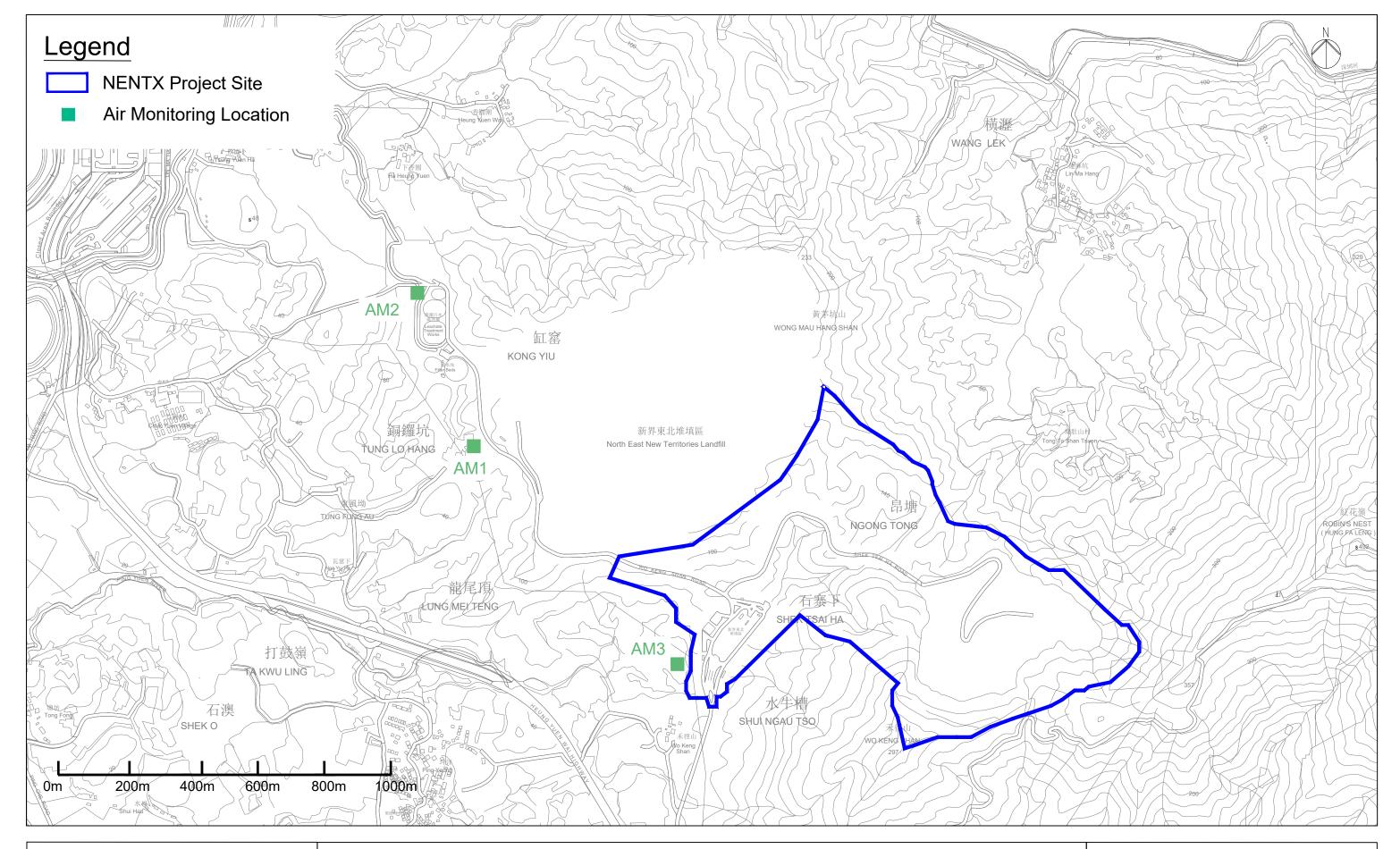
Both the TSP and RSP are suspended particles but refer to different diameters. TSP refers to the total amount of suspended particulate matter (PM30) in the air, including both larger and smaller particles, while RSP refers explicitly to the smaller particles (PM10). As such, RSP concentration can be considered a component of TSP concentration since it represents a subset of the total suspended particulate matter in the air. Therefore, the high RSP concentration recorded will affect the monitoring results

Based on no construction works of the Project causing high dust emission with the properly implemented dust mitigation measures as above mention. And the fire influence of high concentrations of regional background particulates was identified during the monitoring period. Therefore, the exceedances at AM1 & AM3 were considered to be attributed to external factors and mostly unlikely to be related to the Project.

Reviewed by:	A.	Title:	Deputy ET Leader	
	Keith Chau_	Date:	13 Mar 2023	
	Lul			
Approved by:	(*	Title:	ET Leader	
	Fredrick Leong	Date:	13 Mar 2023	

Figure 1

Impact Monitoring Location



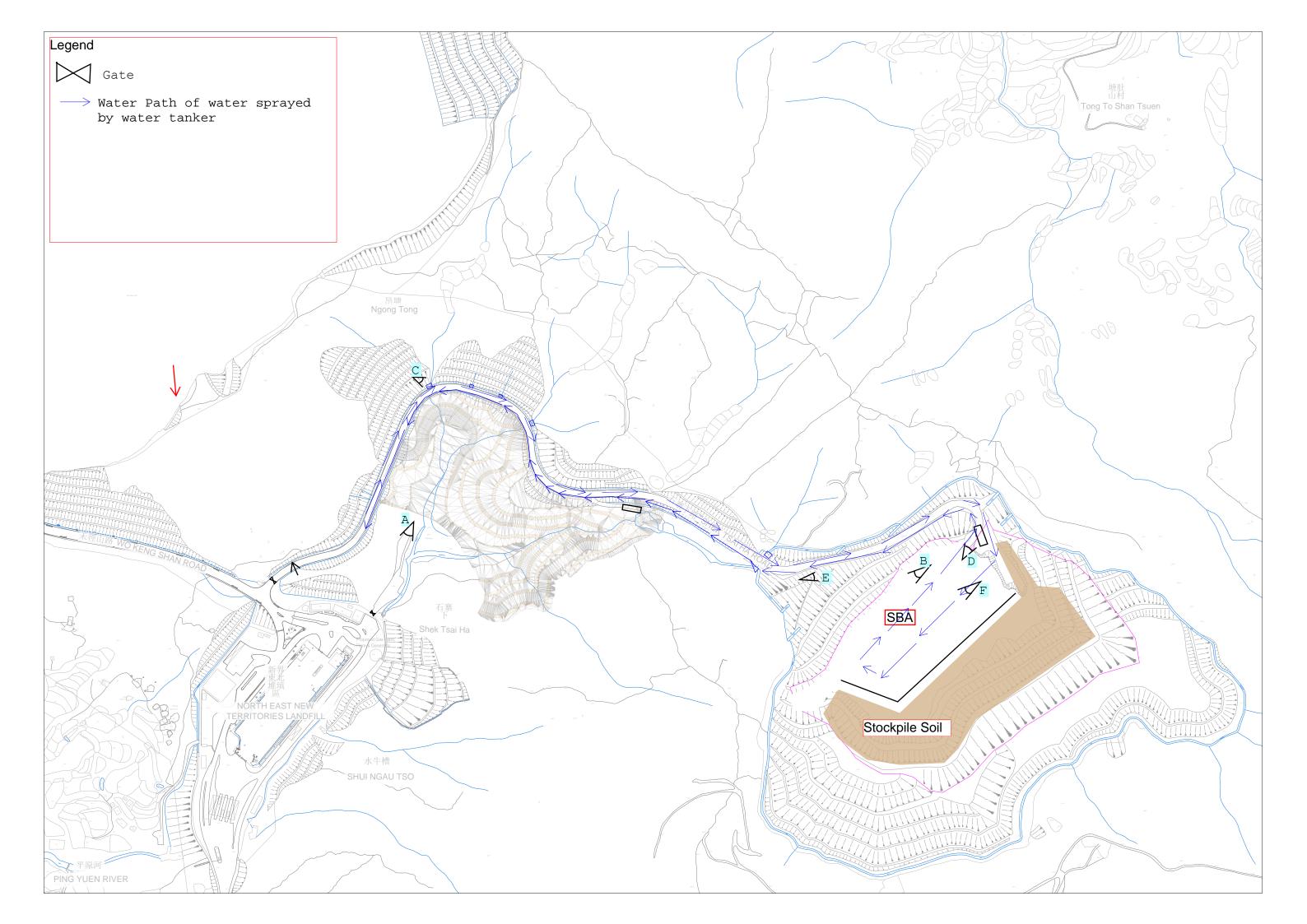


North East New Territories (NENT) Landfill Extension Impact Monitoring Location

Figure 1

Appendix A

Path of water spraying by water tanker & Water spraying by water hose & water tanker schedule



	m:	D (_		Watering		A mon and by
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
1	900	D			•		峰
1	930	Е	SBA				傳
1	930	A					Alex
1	1100	D					峰
1	1115	E	SBA	Z			傳
1	1115	A		/			Alex
1	1400	D					峰
1	1430	Е	SBA				傳
1	1430	A		/			Alex
1	1600	D		/			峰
1	1630	Е	SBA				傳
1	1630	A					Alex
2	900	D		1			峰
2	930	Е	SBA				傳
2	930	Α					Alex
2	1100	D		1			峰
2	1115	Е	SBA				傳
2	1115	A					Alex
2	1400	D					峰
2	1430	Е	SBA				傳
2	1430	А		/			Alex
2	1600	D					峰
2	1630	Е	SBA				傳
2	1630	A					Alex
3	900	D					峰
3	930	Е	SBA				傳
3	930	A		/			Alex
3	1100	D					峰
3	1115		SBA				傳
3	1115	A					Alex
3	1400	D		(峰
3	1430	Е	SBA				傳
3	1430						Alex
3	1600	D				-	峰
3	1630		SBA				傳
3	1630						Alex

DVE EO

D. I	TP'	D	Δ		Watering		A swam and leve
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
4	900	D					峰
4	930	Е	SBA			/	傳
4	930	A					Alex
4	1100	D					峰
4	1115	Е	SBA			/	傳
4	1115	A					Alex
4	1400	D					峰
4	1430	Е	SBA				傳
4	1430	А					Alex
4	1600	D					峰
4	1630	Е	SBA			/	傳
4	1630	A					Alex
6	900	D					峰
6	930	Е	SBA			/	傳
6	930	A					Alex
6	1100	D					峰
6	1115	E	SBA				傳
6	1115	A		/			Alex
6	1400	D					峰
6	1430	Е	SBA			/	傳
6	1430	A					Alex
6	1600	D					峰
6	1630	Е	SBA				傳
6	1630	A		/			Alex
7	900	D					峰
7	930	Е	SBA				傳
7	930	A					Alex
7	1100	D					峰
7	1115	Е	SBA				傳
7	1115	A		/			Alex
7	1400	D					峰
7	1430	Е	SBA				傳
7	1430	A		/			Alex
7	1600	D					峰
7	1630	Е	SBA			/	傳
7	1630						Alex

Reviewed by: PYE FO

Б.	m:	D 4	Δ		Watering		Arranged by
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
8	900	D					峰
8	930	Е	SBA			/	傳
8	930	A		/			Alex
8	1100	D					峰
8	1115	Е	SBA				傳
8	1115	A					Alex
8	1400	D					峰
8	1430	Е	SBA				傳
8	1430	А					Alex
8	1600	D				5	峰
8	1630	Е	SBA				傳
8	1630	А					Alex
9	900	D					峰
9	930	Е	SBA			/	傳
9	930	A					Alex
9	1100	D					峰
9	1115	Е	SBA			/	傳
9	1115	A		/			Alex
9	1400	D					峰
9	1430	Е	SBA				傳
9	1430	A		/			Alex
9	1600	D					峰
9	1630	Е	SBA			/	傳
9	1630	A	İ				Alex
10	900	D					峰
10	930	E	SBA			/	傳
10	930	A					Alex
10	1100	D					峰
10	1115	E	SBA			/	傳
10	1115	A					Alex
10	1400	D					峰
10	1430	E	SBA				傳
10	1430	A	22.1	1			Alex
10	1600	D					峰
10	1630	E	SBA			/	傳
10	1630		1 22				Alex

Reviewed by: Court

PVF FO

D.	Tr:	D 4'	1 ,		Watering		A 11
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
11	900	D					峰
11	930	Е	SBA			/	傳
11	930	А					Alex
11	1100	D					峰
11	1115	Е	SBA				傳
11	1115	A					Alex
11	1400	D				/	峰
11	1430	Е	SBA				傳
11	1430	A					Alex
11	1600	D				/	峰
11	1630	Е	SBA				傳
11	1630	A					Alex
13	900	D					峰
13	930	Е	SBA				傳
13	930	A					Alex
13	1100	D					峰
13	1115	Е	SBA				傳
13	1115	A					Alex
13	1400	D					峰
13	1430	Е	SBA				傳
13	1430	A					Alex
13	1600	D					峰
13	1630	Е	SBA				傳
13	1630	A					Alex
14	900	D					峰
14	930	Е	SBA			/	傳
14	930	A					Alex
14	1100	D		/			峰
14	1115	Е	SBA			/	傳
14	1115	A					Alex
14	1400	D					峰
14	1430	Е	SBA				傳
14	1430	A					Alex
14	1600	D					峰
14	1630	Е	SBA			/	傳
14	1630	A					Alex

Reviewed by: Icm

PYF FO

Data	Т:	D	Δ		Watering		A 1 1
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
15	900	D					峰
15	930	Е	SBA			1	傳
15	930	A					Alex
15	1100	D					峰
15	1115	Е	SBA			/	傳
15	1115	Α		• /			Alex
15	1400	D		/			峰
15	1430	Е	SBA			/	傳
15	1430	A					Alex
15	1600	D		/			峰
15	1630	Е	SBA			/	傳
15	1630	A		/			Alex
16	900	D					峰
16	930	Е	SBA			/	傳
16	930	A					Alex
16	1100	D					峰
16	1115	Е	SBA			/	傳
16	1115	A					Alex
16	1400	D					峰
16	1430	Е	SBA			/	傳
16	1430	A					Alex
16	1600	D					峰
16	1630	Е	SBA			/	傳
16	1630	A					Alex
17	900	D					峰
17	930	E	SBA			1	傳
17	930	A					Alex
17	1100	D					峰
17	1115	E	SBA			/	傳
17	1115	A					Alex
17	1400	D					峰
17	1430	Е	SBA			/	傳
17	1430	A		/			Alex
17	1600	D		/			峰
17	1630	Е	SBA			1	傳
17	1630	A					Alex

Reviewed by: Canch
PYE EO

Doto	Time	Dortion	A ====		Watering		A specie and 1
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
18	900	D					峰
18	930	Е	SBA				傳
18	930	A					Alex
18	1100	D					峰
18	1115	Е	SBA	**			傳
18	1115	Α					Alex
18	1400	D					峰
18	1430	Е	SBA				傳
18	1430	A					Alex
18	1600	D					峰
18	1630	Е	SBA				傳
18	1630	A					Alex
20	900	D					峰
20	930	Е	SBA			/	傳
20	930	A					Alex
20	1100	D		-			峰
20	1115	Е	SBA			/	傳
20	1115	A					Alex
20	1400	D					峰
20	1430	Е	SBA				傳
20	1430	A					Alex
20	1600	D					峰
20	1630	Е	SBA				傳
20	1630	A					Alex
21	900	D					峰
21	930	Е	SBA				傳
21	930	A					Alex
21	1100	D					峰
21	1115	Е	SBA				傳
21	1115	A					Alex
21	1400	D					峰
21	1430	Е	SBA				傳
21	1430	A					Alex
21	1600	D		/			峰
21	1630	E	SBA			/	傳
21	1630	A			<u> </u>		Alex

PYF FO

		5			Watering		Arranged by
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	
22	900	D					峰
22	930	Е	SBA				傳
22	930	A					Alex
22	1100	D					峰
22	1115	Е	SBA				傳
22	1115	A					Alex
22	1400	D					峰
22	1430	Е	SBA			/	傳
22	1430	A					Alex
22	1600	D					峰
22	1630	E	SBA			/	傳
22	1630	A					Alex
23	900	D					峰
23	930	E	SBA			/	傳
23	930	A					Alex
23	1100	D					峰
23	1115	E	SBA				傳
23	1115	A	DD.				Alex
23	1400	D		1			峰
23	1430	E	SBA				傳
23	1430	A	J. J. J.				Alex
23	1600	D	1				峰
23	1630	E	SBA	-		/	傳
23	1630	A	UDAT	1			Alex
24	900	D	1	1		2	峰
24	930	E	SBA			1	傳
24	930	A	UDIT	1			Alex
24	1100	D					峰
24	1115		SBA				傳
24	1115		- DDi i				Alex
24	1400			1			峰
24	1430		SBA				傳
24	1430		JULI	/			Alex
24	1600		+	1			峰
24	1630		SBA				傳
24	1630		DDA				Alex

Data	т:	Davis	Δ		Watering		A 1 1
Date	Time	Portion	Area	Water Hose	Sprinkler	Tanker	Arranged by
25	900	D					峰
25	930	Е	SBA	11			傳
25	930	А					Alex
25	1100	D					峰
25	1115	Е	SBA				傳
25	1115	Α					Alex
25	1400	D					峰
25	1430	Е	SBA				傳
25	1430	Α					Alex
25	1600	D					峰
25	1630	Е	SBA				傳
25	1630	Α					Alex
27	900	D					峰
27	930	Е	SBA				傳
27	930	Α					Alex
27	1100	D					峰
27	1115	Е	SBA				傳
27	1115	Α					Alex
27	1400	D					峰
27	1430	Е	SBA				傳
27	1430	Α					Alex
27	1600	D					峰
27	1630	Е	SBA				傳
27	1630	А					Alex
28	900	D					峰
28	930	Е	SBA				傳
28	930	Α					Alex
28	1100	D					峰
28	1115	Е	SBA				傳
28	1115	Α					Alex
28	1400	D					峰
28	1430	Е	SBA	*			傳
28	1430	A					Alex
28	1600	D				/	峰
28	1630	Е	SBA				傳
28	1630	A					Alex

DVE EO

Appendix H Wind Data

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230201 0000	3.1	Е
20230201_0010	3.6	ESE
20230201 0020	3.9	ESE
20230201_0020	3.9	ESE
20230201_0030	3.3	ESE
20230201_0040	3.9	ESE
20230201_0050	3.9	ESE
20230201 0100	3.3	ESE
20230201 0110	2.8	ESE
20230201 0120	2.2	ESE
20230201_0130	2.2	ESE
20230201_0140	2.2	ESE
20230201 0150 20230201 0200	1.9 1.7	ESE
20230201_0200 20230201_0210	1.7	SE ESE
20230201 0210	1.4	ESE E
20230201_0220	0.3	SW
20230201_0230	1.1	E
20230201 0240	0.8	E
20230201 0300	1.4	E
20230201 0310	1.1	E
20230201 0320	1.1	E
20230201 0330	1.1	Е
20230201_0340	0.8	ESE
20230201_0350	0.8	Е
20230201_0400	0.3	Е
20230201_0410	0.3	ESE
20230201_0420	0.8	E
20230201 0430	1.4	E
20230201_0440	1.7	ESE
20230201_0450	1.1	ESE
20230201 0500	0.6	ENE
20230201 0510	0.3	NW
20230201_0520 20230201_0530	0 0.3	N NE
20230201_0530	0.3	NE N
20230201_0540	0.3	SSW
20230201 0550	0.3	SSW
20230201 0610	0.5	N N
20230201 0620	0	N
20230201 0630	0	N
20230201 0640	0	N
20230201_0650	0	N
20230201_0700	0	N
20230201_0710	0	N
20230201_0720	0	N
20230201 0730	0	N
20230201 0740	0	N
20230201_0750	0	N N
20230201_0800	0	N N
20230201 0810 20230201 0820	0	N
	0.3	SW
20230201_0830 20230201_0840	0.3	N NE
20230201_0840	0.3	NNE
20230201_0030	0.3	- ININE
20230201 0900	0.3	WNW
20230201 0920	0.3	N
20230201 0930	0	N
20230201 0940	0.6	NNE
20230201 0950	1.1	Е
20230201_1000	2.8	Е
20230201_1010	3.1	Е
20230201_1020	3.3	Е
20230201_1030	3.3	Е
20230201 1040	3.3	Е
20230201 1050	3.3	Е
20230201_1100	3.6	E
20230201_1110	3.6 3.9	Е
20230201_1110 20230201_1120	3.6 3.9 3.6	E E
20230201_1110 20230201_1120 20230201_1130	3.6 3.9 3.6 3.3	E E E
20230201_1110 20230201_1120	3.6 3.9 3.6	E E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230201_1200	3,9	E
20230201_1210	3.3	E
20230201 1220	3.3	E
20230201 1230	3.3	E
20230201 1240	3.1	E
20230201 1250	2.8	E
20230201_1300	3.3	E
20230201_1310	3.3	ESE
20230201_1320	3.6	E
20230201_1330	3.6	E
20230201_1340	3.3	Е
20230201_1350	3.1	E
20230201_1400	2.5	ESE
20230201 1410	3.6	ESE
20230201_1420	3.3	E
20230201_1430	3.1	E ESE
20230201_1440	3.1	
20230201_1450 20230201_1500	3.1 3.3	ESE
20230201_1500	3.1	<u>Е</u> Е
20230201_1510	3.3	E
20230201_1520	2.8	E
20230201_1540	2.8	ESE
20230201 1550	3.3	ESE
20230201_1600	3.1	E
20230201_1610	3.1	ESE
20230201 1620	3.1	E
20230201 1630	3.3	Е
20230201_1640	3.9	E
20230201_1650	3.6	E
20230201_1700	3.3	Е
20230201 1710	2.8	Е
20230201_1720	3.3	ESE
20230201 1730	2.8	ESE
20230201_1740	2.8	ESE
20230201_1750	2.8	ESE
20230201 1800	3.3	ESE
20230201_1810 20230201_1820	3.3 3.3	<u>Е</u> Е
20230201_1820	1.7	ESE
20230201_1840	1.7	SE
20230201_1850	2.7	ESE
20230201_1900	2.2 2.5	SE
20230201 1910	2.5	ESE
20230201 1920	1.7	ESE
20230201 1930	1.7	ESE
20230201 1940	1.9	ESE
20230201_1950	1.7	ESE
20230201_2000	2.2	ESE
20230201_2010	2.5	ESE
20230201 2020	1.7	ESE
20230201_2030	2.5	SE
20230201_2040	3.1	SE
20230201_2050 20230201_2100	2.5	ESE
	2.2	ESE
20230201_2110 20230201_2120	1.4 1.7	ESE ESE
20230201_2120 20230201_2130	1.7	SE SE
20230201_2130	2.5	SE SE
20230201_2150	3.9	SE
20230201_2130	3.6	SE
20230201 2210	3.3	SE
20230201 2220	3.3	SE
20230201 2230	2.5	SE
20230201_2240	2,5	ESE
20230201 2250	2.5	SE
20230201 2300	2.8	SE
20230201_2310	2.5	SE
20230201_2320	2.8	SE
20230201_2330	2.2	ESE
20230201_2340	2.5 3.3	SE
20230201_2350	3.3	SE

Date & Time	Wr. 10 17 ()	W ID: C (F)
(YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230202_0000	3.3	SE
20230202_0010	2.8	ESE
20230202_0020	2.8	ESE
20230202 0020	2.8	ESE
20230202_0030	2.8	ESE
20230202_0040	2.2	ESE
20230202_0050	1.9 2.2	ESE
20230202 0100 20230202 0110	1.9	ESE
20230202 0110	2.2	SE SE
20230202_0120	2.2	ESE
20230202_0130	2.2	ESE
20230202_0110	1.7	ESE
20230202 0200	1.9	ESE
20230202 0210	1.4	ESE
20230202 0220	1.1	ESE
20230202_0230	1.9	ESE
20230202 0240	1.7	Е
20230202 0250	1.4	ESE
20230202_0300	1.9	SE
20230202_0310	1.7	E
20230202_0320	1.9	ESE
20230202 0330	1.7	E
20230202 0340	1.4	ESE
20230202_0350	1.1	SSE
20230202_0400	1.1	ESE
20230202_0410	1.7	SE
20230202_0420 20230202_0430	1.1 1.1	ESE ESE
20230202_0430	0.8	ESE
20230202_0440	0.8	ENE
20230202_0430	1.1	NNE
20230202_0500	0.3	- INIL
20230202 0510	0.3	SSW
20230202 0530	0.3	SW
20230202 0540	0	N
20230202 0550	0.3	S
20230202 0600	0	N
20230202_0610	0.3	NNE
20230202_0620	0	N
20230202_0630	0	N
20230202 0640	0	N
20230202 0650	0	N
20230202_0700	0	N N
20230202_0710	0	N
20230202_0720	0	N N
20230202 0730 20230202 0740	0	N N
20230202_0740 20230202_0750	0	N N
20230202_0730	0	N N
20230202_0800	0.3	SSE
20230202_0810	0.6	SSE
20230202_0820	1.4	E
20230202_0840	2.2	ESE
20230202_0850	2.2	ESE
20230202_0000	2.2	ESE
20230202 0910	1.7	ESE
20230202_0920	1.7	SE
20230202_0930	2.2	SE
20230202_0940	1.7	SE
20230202_0950	3.1	Е
20230202_1000	2.8	E
20230202_1010	3.3	E
20230202_1020	4.2	E
20230202_1030	3.9	ESE
20230202 1040	4.7	E
20230202 1050	5.3	ESE
20230202_1100	3.6	ESE
20222222 1112	4.2	ESE
20230202_1110		
20230202_1120	4.2	SE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230202 1200	4.7	ESE
20230202 1210	3.3	E
20230202 1220	4.2	ESE
20230202 1230	3.9	ESE
20230202_1240	3.9	ESE
20230202_1250	4.4	E
20230202_1300	3.3	E
20230202_1310	3.3	E
20230202_1320	3.6	ESE
20230202_1330	3.1	ENE
20230202_1340	3.1	ESE
20230202_1350	2.5	SE
20230202_1400	3.3	ESE
20230202_1410	4.2	E
20230202_1420	3.3	E
20230202_1430	3.3	ESE
20230202_1440	3.3	Е
20230202_1450	2.5	ESE
20230202_1500	3.1	ESE
20230202_1510	3.9	ENE
20230202_1520	3.3	Е
20230202 1530	3.1	E
20230202 1540	3.3	Е
20230202_1550	3.3	ESE
20230202_1600	3.3	E
20230202_1610	3.3	ESE
20230202 1620	3.3	ESE
20230202_1630	3.9	ESE
20230202_1640	4.2	ESE
20230202_1650	4.2	SE
20230202_1700	3.3	ESE

Date & Time		
	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM)	3,3	ECE
20230203_0020		ESE
20230203_0030	3.9	ESE
20230203 0040	3.3	ESE
20230203_0050	3.3	ESE
20230203_0100	3.3	ESE
20230203 0110	3.3	ESE
20230203 0120	3.9	ESE
20230203 0130	3.3	ESE
20230203 0140	2.8	ESE
20230203 0150	3.1	E
20230203 0130	3.1	E
20230203_0200	2.8	ESE
		ESE
20230203 0220	2.5	
20230203_0230	2.8	ESE
20230203 0240	2.5	ESE
20230203_0250	4.7	ESE
20230203_0300	3.9	Е
20230203_0310	4.2	E
20230203 0320	3.9	Е
20230203 0330	4.2	Е
20230203 0340	3.6	E
20230203 0350	3.3	E
20230203 0400	3.3	E E
20230203 0400	3.3	E E
20230203 0410	3.3	<u></u> Е
20230203_0430	2.8	ESE
20230203_0440	3.3	ESE
20230203 0450	3.9	ESE
20230203 0500	3.9	ESE
20230203_0510	3.3	ESE
20230203_0520	3.3	ESE
20230203 0530	3.3	ESE
20230203_0540	2.8	ESE
20230203_0550	3.1	ESE
20230203_0600	2.8	ESE
20230203_0610	2.2	ESE
20230203_0620	2.5	Е
20230203 0630	1.9	Е
20230203 0640	1.1	Е
20230203 0650	1.7	Е
20230203_0700	2.2	Е
20230203 0710	2.8	Е
20230203 0720	2.2	E
20230203 0730	2.2	E
20230203 0740	1.4	ESE
20230203_0750	2.5	ESE
20230203_0750	2.2	SE
20230203 0800	1.7	ESE
	1.7	
		SE
20230203_0830	2.2	E
20230203 0840	1.9	E
20230203_0850	1.7	E
20230203_0900	1.7	ENE
20230203_0910	2.2	E
20230203_0920	1.4	Е
20230203_0930	1.4	Е
20230203_0940	1.4	SE
20230203_0950	0.8	ESE
20230203_1000	1.1	S
20230203_1010	1.1	SSW
20230203 1020	1.1	Е
20230203_1030	1.1	E
20230203 1030	1.1	-
20230203 1040	1.1	ENE
20230203_1030	0.8	ENE
20230203_1100	1.4	SE
20230203 1110	1.4	ESE
20230203 1120	1.4	SSW
20230203 1130	0.8	SSW
20230203_1140		ESE ESE
	0.8	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230203_1200	1.1	NE
20230203_1210	2.2	SSE
20230203 1220	3.1	SSE
20230203 1230	2.2	E
20230203 1240 20230203 1250	1.9 2.2	ENE ENE
20230203_1230	2.2	ENE
20230203_1300	2.2 2.5	ENE
20230203 1320	2.5	SE
20230203_1330	1.9	ESE
20230203_1340	2.8	ENE
20230203_1350	2.2	E
20230203 1400	0.8	S
20230203_1410	1.7	SSW
20230203 1420 20230203 1430	1.7	SSE
20230203_1430 20230203_1440	2.8 2.5	<u>Е</u> Е
20230203_1440	3.1	E E
20230203 1430	3.6	ENE
20230203 1510	2.5	E
20230203_1520	1.9	ESE
20230203 1530	2.2	SSE
20230203_1540	2.8	SSE
20230203 1550	2.2	SSE
20230203_1600	2.2 3.3	ESE
20230203_1610 20230203_1620	3.3 2.8	E ESE
20230203 1620	2.5	ESE ESE
20230203 1640	2.5	ESE
20230203 1040	2.5	ESE
20230203_1700	2.5	ESE
20230203 1710	2.5 2.2	SE
20230203 1720	2.2	ESE
20230203_1730	1.9	ESE
20230203_1740	2.2	SE
20230203_1750	2.2 2.2 2.2 2.2	ESE
20230203 1800 20230203 1810	2.2	SE SE
20230203 1810	2.5	SE SE
20230203 1820	2.8	SE
20230203_1840	3.3	SE
20230203 1850	1.7	SE
20230203_1900	2.8	SE
20230203 1910	3.1	SE
20230203_1920	1.4	SE
20230203_1930	1.4	SE
20230203 1940 20230203 1950	1.7 1.4	SE SE
20230203 1930	0.8	WSW
20230203_2000	2.5	ESE
20230203_2010	2.2	SE
20230203 2030	2.2 2.2	SE
20230203 2040	1.7	SE
20230203_2050	1.7	ESE
20230203_2100	2.5	ESE
20230203_2110	2.2 1.7	ESE
20230203_2120 20230203_2130	3.1	SE ESE
20230203 2130	2.8	ESE ESE
20230203_2140	3.3	ESE
20230203_2130		E
20230203 2210	2.2 3.1	ESE
20230203 2220	3.3	ESE
20230203_2230 20230203_2240	2.8	ESE
	3.3	ESE
20230203_2250	3.3 3.3	ESE
20230203 2300	3.3	ESE
20230203_2310	2.8 3.3	ESE E
20230203_2320 20230203_2330	2.8	ESE
20230203 2340	2.8	ESE
20230203 2350	3.1	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230204 0000	1.7	Е
20230204 0010	1.7	E
20230204 0020	3.9	ESE
20230204 0020	3.9	ESE
20230204 0030	2.8	ESE
20230204 0040	2.8	SE
20230204 0050	3.1	ESE
20230204 0100	3.1	ESE
20230204 0110	3.3	ESE
20230204 0120	2.8	ESE
20230204_0130	2.8	ESE
20230204_0140	3.1	ESE
20230204_0150	3.3	ESE
20230204 0200	3.6	ESE
20230204 0210	3.3	ESE
20230204_0220	4.2	ESE
20230204_0230	3.3	ESE
20230204 0240	3.3	ESE
20230204_0250	2.5	ESE
20230204 0300	3.3	ESE
20230204_0310	3.6	ESE
20230204_0320	2.8	ESE
20230204 0330 20230204 0340	2.8	ESE ESE
20230204 0340	2.2	ESE ESE
20230204_0330	3.1	ESE
20230204_0400	2.8	ESE
20230204_0410	2.5	E
20230204 0430	2.8	E
20230204 0440	2.2	ESE
20230204 0450	1.7	ESE
20230204 0500	3.1	Е
20230204 0510	3.1	ESE
20230204 0520	3.1	ESE
20230204_0530	2.2	ESE
20230204_0540	2.5	ESE
20230204_0550	2.5	ESE
20230204 0600	1.7	ESE
20230204 0610	1.7	SE
20230204_0620	2.5	ESE
20230204_0630	2.8	ESE
20230204_0640	2.8 3.3	ESE
20230204_0650 20230204_0700	3.1	<u>Е</u> Е
20230204_0700	2.5	E
20230204 0720	3.1	E
20230204 0730	2.5	E
20230204 0740	2.8	ESE
20230204 0750	2.5	ESE
20230204 0800	2.5	E
20230204 0810	1.7	ESE
20230204 0820	3.1	ESE
20230204 0830	3.3	ESE
20230204_0840	3.3	ESE
20230204_0850	3.3	ESE
20230204 0900	2.5	ESE
20230204_0910	2.5	SE
20230204 0920	2.8	ESE
20230204_0930	2.8	ESE
20230204_0940	2.8	ESE
20230204 0950	2.8	E
20230204_1000	3.1	ESE
20230204 1010 20230204 1020	5 4.4	SE ESE
20230204_1020	2.8	ESE ESE
20230204_1030	2.8	ESE ESE
20230204_1040	2.5	ESE
20230204_1030	2.8	E E E
20230204_1100	3.3	ESE
20230204_1120	3.9	E
20230204 1130	2.8	E
20230204_1140	1.4	ESE
20230204 1150	1.7	Е

(YYYYMMBB HHMM) White Spectrums 20230204 1200 3.1 ESE 20230204 1210 2.8 ESE 20230204 1220 3.3 ESE 20230204 1230 2.8 E 20230204 1240 2.5 E 20230204 1350 2.8 E 20230204 1310 2.2 E 20230204 1310 2.2 E 20230204 1330 1.9 SE 20230204 1340 3.1 E 20230204 1350 2.5 E 20230204 1340 3.3 ESE 20230204 1400 1.7 E 20230204 1410 3.1 ENE 20230204 1420 2.8 E 20230204 1430 2.8 ENE 20230204 1440 2.8 ENE 20230204 1450 2.8 ENE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1500	_
20230204 1220 3.3 ESE 20230204 1240 2.8 E 20230204 1240 2.5 E 20230204 1250 2.2 ESE 20230204 1300 2.8 E 20230204 1310 2.2 E 20230204 1320 3.1 E 20230204 1330 1.9 SE 20230204 1340 3.3 ESE 20230204 1350 2.5 E 20230204 1400 1.7 E 20230204 1400 1.7 E 20230204 140 3.1 ENE 20230204 1420 2.8 E 20230204 1430 2.8 ENE 20230204 140 2.8 ENE 20230204 140 2.8 ENE 20230204 140 2.8 ENE 20230204 150 3.1 ESE <td></td>	
20230204 1230 2.8	$\overline{}$
20230204 1240 2.5 E 202330204 1250 2.2 ESE 20230204 1300 2.8 E 20230204 1310 2.2 E 20230204 1330 3.1 E 20230204 1330 1.9 SE 20230204 1340 3.3 ESE 20230204 1400 1.7 E 20230204 1400 1.7 E 20230204 1410 3.1 ENE 20230204 1420 2.8 E 20230204 1430 2.8 ENE 20230204 1440 2.8 ENE 20230204 1450 2.5 ESE 20230204 1450 3.1 ESE 20230204 1500 3.1 ESE 20230204 1510 3.3 E 20230204 1520 2.8 ENE 20230204 1530 2.8 E 20230204 1540 2.2 ESE 20230204 1540 2.2 ESE 20230204 1600 2.8 ESE 20230204 1610 <td></td>	
20230204 1250 2.2 ESE 20230204 1300 2.8 E 20230204 1310 2.2 E 20230204 1320 3.1 E 20230204 1330 1.9 SE 20230204 1340 3.3 ESE 20230204 1350 2.5 E 20230204 1400 1.7 E 20230204 1400 3.1 ENE 20230204 1420 2.8 E 20230204 1430 2.8 ENE 20230204 1430 2.8 ENE 20230204 1450 2.5 ESE 20230204 1450 2.5 ESE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1500 2.8 ENE 20230204 1530 2.8 E 20230204 1530 2.8 E	
20230204 1300 2.8 E 20230204 1310 2.2 E 20230204 1320 3.1 E 20230204 1330 1.9 SE 20230204 1350 2.5 E 20230204 1350 2.5 E 20230204 1400 1.7 E 20230204 1410 3.1 ENE 20230204 1430 2.8 E 20230204 1430 2.8 ENE 20230204 1440 2.8 ENE 20230204 1450 2.5 ESE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1500 3.3 E 20230204 1500 2.8 ENE 20230204 1500 2.8 ENE 20230204 1500 2.8 ESE 20230204 1500 2.8 ESE	-
20230204 1310 2.2 E 20230204 1320 3.1 E 20230204 1330 1.9 SE 20230204 1340 3.3 ESE 20230204 1400 1.7 E 20230204 1410 3.1 ENE 20230204 1410 3.1 ENE 20230204 1430 2.8 E 20230204 1440 2.8 ENE 20230204 1440 2.8 ENE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1510 3.3 E 20230204 1520 2.8 ENE 20230204 1530 2.8 E 20230204 1540 2.2 ESE 20230204 1550 2.5 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 162	_
20230204 1320 3.1 E 20230204 1330 1.9 SE 20230204 1340 3.3 ESE 20230204 1350 2.5 E 20230204 1350 2.5 E 20230204 1410 3.1 ENE 20230204 1410 3.1 ENE 20230204 1420 2.8 E E 20230204 1430 2.8 ENE 20230204 1430 2.8 ENE 20230204 1450 2.5 ESE 20230204 1450 2.5 ESE 20230204 1500 3.1 ESE 20230204 1510 3.3 E ENE 20230204 1510 3.3 E ENE 20230204 1510 3.3 E ENE 20230204 1500 2.8 ENE 20230204 1500 2.8 ENE 20230204 1500 2.8 ENE 20230204 1500 2.8 E E 20230204 1500 2.5 ESE 20230204 1500 2.5 ESE 20230204 1600 2.8 ESE 20230204 1600 2.7 ESE 20230204 1640 1.7 ESE 20230204 1640 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 ESE 20230204 1710 1.7 E	_
20230204 1340 3.3 ESE	
20230204 1350 2.5 E	
20230204 1400 1.7	
20230204 1410 3.1 ENE	
20230204 1420 2.8 E 20230204 1430 2.8 ENE 20230204 1440 2.8 ENE 20230204 1450 2.5 ESE 20230204 1500 3.1 ESE 20230204 1500 3.3 E 20230204 1520 2.8 ENE 20230204 1530 2.8 E 20230204 1540 2.2 ESE 20230204 1500 2.5 ESE 20230204 1500 2.8 ESE 20230204 1600 2.8 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1630 2.2 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1650 1.7 <t< td=""><td>_</td></t<>	_
20230204 1430 2.8 ENE 20230204 1440 2.8 ENE 20230204 1450 2.5 ESE 20230204 1500 3.1 ESE 20230204 1500 3.1 ESE 20230204 1500 2.8 ENE 20230204 1530 2.8 E 20230204 1530 2.8 E 20230204 1540 2.2 ESE 20230204 1500 2.5 ESE 20230204 1600 2.8 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1600 2.8 ESE 20230204 1630 2.2 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7	_
20230204 1440 2.8	_
20230204 1500 3.1 ESE	
20230204 1510 3.3 E	
20230204 1520 2.8	
20230204 1530 2.8 E 20230204 1540 2.2 ESE 20230204 1550 2.5 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1540 2.2 ESE 20230204 1550 2.5 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	_
20230204 1550 2.5 ESE 20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	-
20230204 1600 2.8 ESE 20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	-
20230204 1610 3.1 ESE 20230204 1620 2.8 ESE 20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1630 2.2 ESE 20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1640 1.7 ESE 20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1650 1.7 ESE 20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1700 1.7 ESE 20230204 1710 1.7 E 20230204 1720 1.1 E	
20230204 1710 1.7 E 20230204 1720 1.1 E	_
20230204_1720 1.1 E	_
20230204 1730 1.7 ESE	_
20230204_1740 2.5 SE	
20230204_1750	
20230204 1800 2.2 ESE	
20230204 1810 1.7 E 20230204 1820 1.1 ESE	_
20230204 1820 1.1 ESE 20230204 1830 1.7 ESE	_
20230204_1840 2.2 ESE	_
20230204 1850 1.9 ESE	
20230204 1900 1.7 SE	
20230204_1910 1.7 ESE	
20230204_1920	_
20230204_1930	_
20230204 1940 1.9 ESE 20230204 1950 2.2 ESE	-
20230204 1930 2.2 ESE 20230204 2000 2.8 ESE	_
20230204_2010 2.2 ESE	
20230204 2020 2.2 ESE	
20230204_2030 2.2 ESE	
20230204 2040 3.1 E	_
20230204 2050 1.7 E 20230204 2100 1.7 E	-
20230204_2100 1.7 E 20230204_2110 1.7 E	-
20230204 2110 1.7 E 20230204 2120 1.9 E	-
20230204_2130 1.4 ESE	
20230204_2140 1.4 E	
20230204_2150 1.7 ESE	
20230204 2200 1.7 E 20230204 2210 1.9 E	
20230204 2210 1.9 E 20230204 2220 3.1 ESE	_
20230204 2220 3.1 ESE 20230204 2230 3.3 ESE	-
20230204 2230 3.5 ESE 20230204 2240 2.5 ESE	-
20230204 2250 2.2 ESE	П
20230204_2300 1.4 E	
20230204 2310 1.1 E	
20230204_2320 1.9 E	
20230204_2330	
20230204 2340 1.7 E 20230204 2350 1.4 ENE	
2023020+ 2330 1.4 EINE	_

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230205_0000	2.5	Е
20230205_0010	1.7	E
20230205_0020	1.4	ESE
20230205_0020	1.4	ESE
20230205_0030 20230205_0040	1.1 1.4	ESE ESE
20230205_0040	2.2	E
20230205_0030	1.7	E
20230205_0110	2.2	E
20230205 0120	1.9	ENE
20230205_0130	1.7	Е
20230205_0140	2.5	E
20230205_0150	2.5	E
20230205_0200	2.8	E
20230205 0210 20230205 0220	1.7	E
20230205_0220 20230205_0230	1.1	ENE NNE
20230205_0230	1.7	E
20230205_0240	1.7	E
20230205 0300	0.8	ENE
20230205_0310	1.1	ENE
20230205 0320	0.8	NE
20230205 0330	1.1	ENE
20230205_0340	0.8	ENE
20230205_0350	0.3	SE
20230205_0400	1.4	E
20230205_0410	0.8	E
20230205 0420 20230205 0430	1.7 1.4	E ESE
20230205_0430	1.4	E
20230205 0450	1.7	ESE
20230205 0500	1.7	E
20230205_0510	1.7	SE
20230205 0520	1.9	ESE
20230205_0530	1.1	Е
20230205_0540	1.4	SE
20230205_0550	1.7	SE
20230205_0600	2.5	SE SE
20230205 0610 20230205 0620	2.2	ESE
20230205_0630	2.2	ESE
20230205_0640	1.7	E
20230205_0650	2.8	E
20230205_0700	2.5	ESE
20230205_0710	1.7	ESE
20230205_0720	1.7	ESE
20230205_0730	2.5	SE
20230205_0740	2.2 3.3	ESE
20230205_0750 20230205_0800	2.5	E ESE
20230205_0800	1.9	ESE
20230205 0810	1.9	ESE
20230205_0830	2.2	ESE
20230205_0840	1.7	ESE
20230205_0850	1.7	ESE
20230205 0900	1.7	ESE
20230205 0910	2.2	ESE
20230205_0920	1.9	ESE
20230205 0930 20230205 0940	1.7	ESE E
20230205_0940	2.2	E
20230205_0930	2.5	E
20230205_1000	3.1	E
20230205_1020	3.3	Ë
20230205_1030	2.5	Е
20230205_1040	2.8	ENE
20230205 1050	1.7	E
20230205_1100	2.8	E
20230205_1110	2.2	E
20230205_1120 20230205_1130	2.2	ESE ESE
20230205 1130	2.2	ESE E
20230205_1140	2.8	E
20230203_1130	2.0	

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230205_1200	2.8	ENE
20230205_1210	2.8	Е
20230205_1220	2.2	E
20230205_1230	1.7	E
20230205 1240	0.8	ESE
20230205_1250 20230205_1300	1.4 1.1	ESE SE
20230205_1300	0.8	S
20230205 1310	0.6	SSW
20230205_1320	0.3	SW
20230205_1340	0.6	S
20230205_1350	0.6	ESE
20230205_1400	0.8	SE
20230205_1410	0.3	SSE
20230205 1420 20230205 1430	0.3	SSE NNE
20230205_1430 20230205_1440	1.7	NNE
20230205_1440	1.7	N
20230205 1500	1.4	NE NE
20230205_1510	1.4	NNE
20230205_1520	1.1	N
20230205 1530	1.4	N
20230205 1540	1.4	NNE
20230205 1550	1.4	NNE
20230205_1600	0.3 1.4	- E
20230205_1610 20230205_1620	2.8	E E
20230205 1630	2.5	E E
20230205 1640	2.2	ENE
20230205_1650	2.2	Е
20230205_1700	3.1	ESE
20230205 1710	3.1	E
20230205_1720	2.5	E
20230205_1730 20230205_1740	1.9 2.2	E ESE
20230205_1740	2.2	ESE
20230205_1750	1.1	E
20230205_1810	1.9	ESE
20230205_1820	2.5	ESE
20230205_1830	2.2	ESE
20230205_1840	2.5	SE
20230205 1850	4.7	SE
20230205_1900 20230205_1910	3.3 3.1	SE ESE
20230205 1910	3.3	SE
20230205_1920	2.8	SE
20230205 1940	1.1	SSE
20230205_1950	1.4	SE
20230205_2000	1.7	ESE
20230205_2010	1.9	ESE
20230205 2020	2.2	ESE
20230205_2030 20230205_2040	1.7 1.4	ENE E
20230205 2050	0.8	ESE
20230205_2100	1.7	E
20230205 2110	1.4	Е
20230205 2120	1.1	ESE
20230205_2130	1.1	SE
20230205_2140	1.1	ESE
20230205_2150	1.1 1.4	SE SE
20230205_2200 20230205_2210	1.4	SE SE
20230205 2220	0.8	SE
20230205_2230	0.3	-
20230205_2230 20230205_2240	0	N
20230205_2250	0	N
20230205 2300	0.3	E
20230205_2310	0.8	E
20230205_2320 20230205_2330	1.4 0.8	E ESE
20230205_2330	0.8	E ESE
20230205 2340	0.8	E E

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB HHMM)		
20230206_0000	0.8	ESE
20230206_0010	0.8	ESE
20230206_0020	0.3 0.3	-
20230206 0020 20230206 0030	0.3	E
20230206_0030	0.5	N
20230206_0050	0	N
20230206 0100	0	N
20230206 0110	0	N
20230206 0120	0.3	S
20230206_0130	0.3	SE
20230206_0140	0.3	1
20230206_0150	0	N
20230206 0200	0.3	S
20230206_0210	0.3	SW
20230206_0220	0	N N
20230206_0230 20230206_0240	1.1	SE
20230206 0250	0.3	SSE
20230206 0230	0.8	ESE
20230206 0310	1.7	ESE
20230206 0320	1.1	SE
20230206 0330	1.7	SE
20230206_0340	1.4	ESE
20230206_0350	1.7	ESE
20230206_0400	1.7	SSE
20230206_0410	1.4	SE
20230206_0420	1.7	ESE
20230206 0430 20230206 0440	1.1 0.8	SE ESE
20230206_0440	1.1	SE SE
20230206 0500	1.1	SE
20230206_0510	0.8	SE SE
20230206 0520	1.1	SE
20230206 0530	1.4	ESE
20230206_0540	1.7	ESE
20230206 0550	0.8	ESE
20230206_0600	0.8	ESE
20230206_0610	0.3	NE
20230206_0620	0.3	- N
20230206_0630 20230206_0640	0	N
20230206 0650	0	N N
20230206_0700	0	N
20230206 0710	0.3	WNW
20230206 0720	0	N
20230206 0730	0	N
20230206_0740	0	N
20230206_0750	0.3	ESE
20230206_0800	0	N
20230206_0810	0.3	NNE
20230206_0820	0.3	NNE
20230206_0830 20230206_0840	0.3 0.3	WNW N
20230206 0850	0.5	N
20230206 0900	1.4	NNE
20230206 0910	1.1	NE
20230206 0920	0.6	NNE
20230206_0930	0.3	N
20230206_0940	1.1	N
20230206_0950	0.8	NE
20230206_1000	0.3	NE
20230206_1010	0.8	E
20230206_1020	1.4	E
20230206_1030 20230206_1040	1.4 1.7	ESE
20230206_1040	1.7	<u>Е</u> Е
20230206_1000	2.2	E
20230206_1110	2.5	ESE
20230206_1120	2.2	ESE
20230206 1130	1.9	ESE
20230206_1140	1.7	ESE
20230206_1150	2.2	Е

20230206 1200 2.5 E	Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230206 1200 3.1 E	20230206_1200		
20230206 1250 2.8 E	20230206_1210		ESE
20230206 1240 2.2 ESE 20230206 1300 2.8 ESE 20230206 1310 3.3 ESE 20230206 1310 3.3 ESE 20230206 1310 3.3 ESE 20230206 1310 3.3 ESE 20230206 1330 3.3 SE 20230206 1330 3.3 SE 20230206 1350 3.6 ESE 20230206 1400 2.8 ESE 20230206 1400 2.8 ESE 20230206 1400 2.8 ESE 20230206 1400 2.8 ESE 20230206 1420 3.3 ESE 20230206 1420 3.3 ESE 20230206 1440 3.6 E 20230206 1450 3.3 E 20230206 1450 3.3 E 20230206 1500 3.1 E 20230206 1500 2.5 ESE 20230206 1500 2.5 ESE 20230206 1500 2.5 ESE 20230206 1500 2.5 SE 20230206 1540 2.5 SE 20230206 1540 2.5 SE 20230206 1500 1.9 ESE 20230206 1600 1.9 ESE 20230206 1600 1.9 ESE 20230206 1600 1.9 ESE 20230206 1600 2.2 E 20230206 1600 3.1 E 20230206 1600 1.9 ESE 20230206 1600 2.2 E 20230206 1600 3.1 E 20230206 1600 1.9 ESE 20230206 1600 3.1 E 20230206 1600 1.9 ESE 20230206 1600 3.1 E 20230206 1600 2.2 ESE 20230206 1600 3.3 ESE 20230206 1700 3.3 ESE 20230206 1700 3.3 ESE 20230206 1700 3.3 ESE 20230206 1700 3.3 ESE 20230206 1800 2.2 ESE 20230206 1900 1.7 ESE 20230206 1900 1.7 ESE 20230206 2000 2.8 ESE			
20230206 1300			
20230206 1300			
20230206 1310		3.3	ESE
20230206 1330		2.8	
20230206 1330 3.3 SE			
20230206 1340			
20230206 1400		3.3	
20230206 1400		3.3	ESE
20230206 1410			
20230206 1430 3.3 ESE		2.8	
20230206 1440			
20230206 1440 3.6 E		2.2	
20230206 1500 3.1 E			
Description			
20230206 1510			
20230206 1520			
20230206 1540 2.8		2.3	
20230206 1540		2.8	ESF
20230206 1550 2.2 E	20230206 1540	2.5	
20230206 1600			
20230206 1610		1.9	
20230206 1620		2.2	
20230206 1630 3.1 E		2.8	
20230206 1650 3.1 ESE			
20230206 1700 3.3 ESE		3.3	
20230206 1710	20230206_1650		ESE
20230206 1730 3.3 ESE		3.3	ESE
20230206 1740 2.8	20230206_1710	2.8	ESE
20230206 1740			
20230206 1750 2.2 ESE 20230206 1800 2.2 ESE 20230206 1810 2.2 ESE 20230206 1810 2.2 ESE 20230206 1820 1.9 SE 20230206 1830 1.7 ESE 20230206 1850 1.1 ESE 20230206 1850 1.1 ESE 20230206 1850 1.1 ESE 20230206 1910 2.5 ESE 20230206 1910 2.5 ESE 20230206 1920 2.5 ESE 20230206 1920 2.5 ESE 20230206 1930 1.7 ESE 20230206 1930 1.7 ESE 20230206 1940 1.7 ESE 20230206 1950 2.2 ESE 20230206 1950 2.2 ESE 20230206 1950 2.2 ESE 20230206 2010 1.9 ESE 20230206 2010 1.9 ESE 20230206 2010 1.9 ESE 20230206 2010 1.9 ESE 20230206 2010 1.7 ESE 20230206 2010 1.9 ESE 20230206 2030 1.4 ESE 20230206 2040 1.7 ESE 20230206 2040 1.7 ESE 20230206 2050 0.8 E 20230206 2050 0.8 E 20230206 2110 1.4 - 20230206 2120 0.3 NNE 20230206 2120 0.3 NNE 20230206 2130 0 N 20230206 2140 0 N 20230206 2150 0.3 SE 20230206 2200 1.7 SSE 20230206 2200 1.7 SSE 20230206 2210 1.7 SSE 20230206 2200 1.7 SSE 20230206 2200 1.7 SSE 20230206 2230 1.7 SE 20230206 2300 0.8			
20230206 1800 2.2 ESE 20230206 1810 2.2 ESE 20230206 1810 2.2 ESE 20230206 1820 1.9 SE 20230206 1830 1.7 ESE 20230206 1840 1.7 SE 20230206 1850 1.1 ESE 20230206 1900 1.7 ESE 20230206 1910 2.5 ESE 20230206 1910 2.5 ESE 20230206 1920 2.5 ESE 20230206 1930 1.7 ESE 20230206 1930 1.7 ESE 20230206 1950 2.2 ESE 20230206 1950 2.2 ESE 20230206 1950 2.2 ESE 20230206 1950 2.2 ESE 20230206 2010 1.9 ESE 20230206 2010 1.9 ESE 20230206 2010 1.9 ESE 20230206 2020 2.2 ESE 20230206 2020 2.2 ESE 20230206 2030 1.4 ESE 20230206 2030 1.4 ESE 20230206 2050 0.8 E 20230206 2050 0.8 E 20230206 2100 0.8 E 20230206 2120 0.3 NNE 20230206 2130 0 N 20230206 2130 0 N 20230206 2140 0 N 20230206 2100 1.7 SSE 20230206 2200 1.7 SSE 20230206 2230 1.7 SSE 20230206 2310 0.8 SSW 20230206 2300 0.6 SE 20230206 2300 0.6 SE 20230206 2300 0.8 SSE 20230206 2300 0.8			
20230206 1820		2.2	ESE
20230206 1820	20230206 1800	2.2	
20230206 1830		1.0	
20230206 1840			
20230206 1850			
20230206 1900			
20230206 1910	20230206 1900	1.7	
20230206 1920			
20230206 1930		2,5	
20230206 1940		1.7	
20230206 1950 2.2 ESE	20230206_1940	1.7	ESE
20230206 2010		2.2	
20230206 2020			
20230206 2030		1.9	
20230206 2040			
20230206 2050 0.8			
20230206 2100 0.8			
20230206 2110			
20230206 2120 0.3 NNE 20230206 2130 0 N 20230206 2140 0 N 20230206 2150 0.3 S 20230206 2200 1.4 SE 20230206 2210 1.7 SSE 20230206 2220 1.7 SSE 20230206 2230 1.7 SE 20230206 2240 1.7 SE 20230206 2250 0.8 SE 20230206 2300 0.6 SE 20230206 2310 0.8 SSW 20230206 2320 0.3 S 20230206 2330 0.8 SSE 20230206 2330 0.8 SSE 20230206 2340 1.7 SE			E
20230206 2130			NINTE:
20230206 2140			
20230206 2150			
20230206 2200			
20230206 2210			
20230206 2220	20230206 2210	17	
20230206 2230	20230206 2220	1.7	
20230206 2250	20230206 2230		
20230206 2250	20230206 2240		
20230206 2300 0.6 SE 20230206 2310 0.8 SSW 20230206 2320 0.3 S 20230206 2330 0.8 SSE 20230206 2340 1.7 SE	20230206 2250		
20230206 2310 0.8 SSW 20230206 2320 0.3 S 20230206 2330 0.8 SSE 20230206 2340 1.7 SE			
20230206 2320 0.3 S 20230206 2330 0.8 SSE 20230206 2340 1.7 SE	20230206_2310	0.8	SSW
20230206 2340 1.7 SE	20230206_2320	0.3	S
20230206 2350 1.7 ESE			
	20230206_2350	1.7	ESE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230207_0000	1.4	ESE
20230207_0010	1.1	SE
20230207 0020	2.2	SE
20230207 0030 20230207 0040	1.7	SE SE
20230207_0040	1.7 1.7	SE SE
20230207_0030	2.2	SE
20230207_0100	1.9	SE
20230207_0120	1.9	SE
20230207_0130	1.7	SE
20230207_0140	1.4	SE
20230207_0150	1.1	SE
20230207 0200 20230207 0210	0.8	SE ESE
20230207_0210	1.4	ESE
20230207 0230	1.7	SE
20230207_0240	1.1	SE
20230207 0250	1.1	SE
20230207_0300	0.3	SSE
20230207_0310	0.8	ESE
20230207_0320	1.4	ESE
20230207 0330 20230207 0340	0.3 0.6	SE
20230207_0340	1.4	SE SE
20230207 0400	1.1	SE
20230207_0410	1.4	SE
20230207 0420	1.7	SSE
20230207_0430	0.3	-
20230207_0440	0.8	SSW
20230207_0450	0.6	S
20230207_0500 20230207_0510	0.3	N ESE
20230207_0510	0.3	E
20230207 0520	0.3	SSE
20230207_0540	1.1	SE
20230207_0550	0.3	Е
20230207_0600	0.8	ESE
20230207_0610	1.4	SE
20230207_0620 20230207_0630	1.1 0.6	ESE SE
20230207_0030	0.0	N N
20230207 0650	0.3	NW
20230207_0700	0	N
20230207_0710	0	N
20230207_0720	0	N
20230207_0730	0	N N
20230207_0740 20230207_0750	0	N N
20230207_0730	0.3	SSW
20230207 0810	0.5	N
20230207_0820	0	N
20230207_0830	0	N
20230207_0840	0	N
20230207_0850	0	N N
20230207_0900 20230207_0910	0	N N
20230207 0910	0	N N
20230207_0920	0	N
20230207_0940	0.3	N
20230207_0950	0.3	ENE
20230207 1000	0	N
20230207_1010	0	N
20230207 1020 20230207 1030	0.3	WSW
20230207_1030 20230207_1040	0	N N
20230207_1040	0	N N
20230207_1030	0	N
20230207 1110	0	N
20230207_1120	0.3	S
20230207_1130	0.3	N
20230207_1140	0	N N
20230207_1150	0	N

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM) 20230207_1200	0.3	NE
20230207_1210	0.3	ESE
20230207 1220	0.8	E
20230207 1220	1.1	W
20230207 1240	1.4	W
20230207 1250	2.2	NW
20230207_1300	1.1	NW
20230207 1310	1.1	N
20230207_1320	1.1	N
20230207_1330	0.8	N
20230207_1340	0.8	NNE
20230207_1350	1.7	NNE
20230207_1400	0.8	-
20230207 1410	0.3	
20230207 1420	0	N
20230207_1430	0.8	E
20230207_1440	0.8	SE
20230207 1450	0.3	- -
20230207_1500 20230207_1510	1.4	E
20230207_1510 20230207_1520	0.8 1.1	ESE N
20230207_1520	1.1	N N
20230207_1540	0.3	- IN
20230207 1550	0.8	E
20230207_1600	1.4	ENE
20230207 1610	1.4	E
20230207_1620	1.4	E
20230207 1630	1.7	ESE
20230207 1640	1.7	ESE
20230207_1650	1.7	ESE
20230207_1700	1.7	ESE
20230207_1710	2.2 1.9	ESE
20230207_1720	1.9	ESE
20230207_1730	2.2	ESE
20230207_1740	1.7	ESE
20230207_1750	1.7	ESE
20230207_1800	1.7	ESE
20230207_1810	1.7	ESE
20230207_1820	1.1	ESE
20230207_1830	1.1	SE
20230207_1840 20230207_1850	0.8 0.8	SSW SE
20230207 1900	1.1	SE SE
20230207_1900	1.4	ESE
20230207 1920	1.1	SE
20230207 1930	1.7	ESE
20230207 1940	2.2	ESE
20230207_1950	2.8	ESE
20230207_2000	2.2	ESE
20230207_2010	2.2	ESE
20230207 2020	1.9	Е
20230207_2030	1.4	ESE
20230207 2040	1.4	ESE
20230207_2050	1.4	ESE
20230207_2100	2.2 2.2 2.5 2.2	ESE
20230207 2110	2.2	SE
20230207_2120 20230207_2130	2.5	SSE
20230207_2130 20230207_2140	2.5	ESE ESE
20230207_2140	2.5	ESE
20230207_2130	2.3	ESE
20230207_2200	3.1	ESE
20230207_2210	3.3	ESE
20230207 2230	3.3	E
20230207_2240	3.1	ESE
20230207 2250		ESE
20230207 2300	2.8 2.5	ESE
20230207_2310	2.5	ESE
20230207 2320	2.8	ESE
20230207_2330	2.8	ESE
20230207_2340	2.5 2.5	ESE
20230207 2350	2.5	ESE

Date & Time	I	
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230208 0000	2.5	Е
20230208 0010	2.2	Е
20230208 0020	2.2	Е
20230208 0030	2.2	Е
20230208 0030	2.5	Е
20230208_0040	2.2	Е
20230208_0050	1.9	Е
20230208_0100	2.5	Е
20230208_0110	3.1	E
20230208_0120	2.8	E
20230208_0130	2.2 2.5	E
20230208_0140	2.5	E
20230208 0150	3.3	E
20230208 0200	4.2	E
20230208 0210	2.8	E
20230208_0220	3.3	ENE
20230208_0230	3.6	ENE
20230208 0240	3.9	ENE
20230208_0250	3.9	ENE
20230208_0300	2.2	E
20230208_0310	1.4	ENE
20230208 0320	1.7	E
20230208_0330	2.5	E
20230208_0340	2.5	E
20230208_0350	2.8	<u>E</u>
20230208_0400	2.5	E
20230208_0410	1.7	ENE
20230208_0420	2.2	<u>E</u>
20230208_0430	2.2	E
20230208_0440	1.4	<u>Е</u> Е
20230208_0450 20230208_0500	2.2	ENE
	2.5	
	1.7	ENE
20230208_0520 20230208_0530	3.1	ESE E
20230208_0540	2.5	E
20230208_0540	1.7	E
20230208_0500	1.9	E
20230208_0610	2.2	E
20230208 0620	3.1	ESE
20230208 0630	3.1	ESE
20230208 0640	2.5	ESE
20230208 0650	3.3	ESE
20230208 0700	3.3	E
20230208 0710	2.8	ESE
20230208 0720	2.2	ESE
20230208 0730	2.8	Е
20230208 0740	2.5	Е
20230208 0750	2.8	Е
20230208_0800	2.5	ESE
20230208_0810	2.2	Е
20230208_0820	1.9	E
20230208 0830	1.7	ENE
20230208_0840	1.7	E
20230208_0850	1.4	ENE
20230208 0900	1.4	E
20230208_0910	2.2	ESE
20230208_0920	2.5	E
20230208_0930	1.1	E
20230208_0940	1.1	ESE
20230208 0950	1.1	E
20230208 1000	1.1	ESE
20230208_1010	1.4	SSE
20230208_1020	1.7	E
20230208_1030	1.9	E
20230208 1040 20230208 1050	1.7	ESE
20230208 1050	1.7	ENE
20230208_1100	1.7	ENE E
20230208_1110	2.5	ENE
20230208_1120	2.5	ENE E
20230208 1130	2.8	<u>Е</u> Е
20230208_1140	1.7	ESE
20230200_1130	1./	LUL

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230208_1200	1.4	ESE
20230208_1210	1.7	SE
20230208 1220	2.2	ESE
20230208 1230	2.5	E
20230208 1240 20230208 1250	2.5 3.3	<u>Е</u> Е
20230208_1250 20230208_1300	2.8	<u>Е</u> Е
20230208_1310	1.7	E
20230208 1310	3.3	ENE
20230208_1330	3.3	E
20230208 1340	3.9	ENE
20230208_1350	3.3	E
20230208 1400	3.3	E
20230208_1410	3.6	E
20230208 1420	3.9 3.3	<u>Е</u> Е
20230208_1430 20230208_1440	2.3	<u>Е</u> Е
20230208_1450	2.2	E
20230208 1500	1.7	E
20230208_1510	2.2	E
20230208_1520	2.5	E
20230208 1530	1.9	ESE
20230208 1540	1.7	ESE
20230208 1550	2.2	ESE
20230208_1600	2.2 2.2 2.5 2.2	E
20230208_1610	2.2	E
20230208 1620 20230208 1630	2.3	E ESE
20230208 1640	2.5	ESE
20230208_1650	2.2	ESE
20230208_1700	2.2 1.7	ESE
20230208_1710	2.2 2.8	ESE
20230208_1720	2.8	ESE
20230208_1730	2.5	ESE
20230208_1740	1.9 2.5	E
20230208_1750	2.5	E
20230208 1800 20230208 1810	1.7	ESE ESE
20230208 1810	1.7	ESE
20230208_1830	1.7	E
20230208_1840	1.7	ESE
20230208 1850	1.7	ESE
20230208_1900	1.7	ESE
20230208 1910	1.4	ESE
20230208_1920	2.5	E
20230208_1930	2.8	ESE
20230208 1940 20230208 1950	1.7	ESE ESE
20230208 2000	2.8	ESE
20230208_2000	2.5	ESE
20230208_2010	2.8	ESE
20230208_2030	2.8 2.2	SE
20230208 2040	1.7	SE
20230208_2050	1.7	SE
20230208_2100	2.2	ESE
20230208_2110	1.7	ESE
20230208 2120 20230208 2130	2.5 2.2	ESE ESE
20230208 2140	2.8	E E
20230208_2150	2.8	ESE
20230208_2200	1.7	ESE
20230208 2210	1.7	ESE
20230208 2220	1.4	E
20230208 2230	2.5	E
20230208_2240	3.9	ESE
20230208_2250	4.7	ESE
20230208_2300	3.1	ESE
20230208 2310 20230208 2320	3.3 3.3	ESE E
20230208_2320	3.9	ESE
20230208_2330	4.2	ESE
20230208 2350	4.7	ESE

D + 0 m:	1	
Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230209 0000	3.9	ESE
20230209_0010	4.2	ESE
20230209_0020	4.2	ESE
20230209_0030	4.7	ESE
20230209_0040	3.9	ESE
20230209_0050	3.3	ESE
20230209_0100 20230209_0110	3.3 2.8	ESE SE
20230209 0110	3.3	ESE
20230209 0130	3.3	ESE
20230209_0140	2.8	ESE
20230209_0150	2.8	ESE
20230209 0200	2.2	<u>E</u>
20230209_0210	1.7	E
20230209 0220 20230209 0230	2.8 2.2	<u>Е</u> Е
20230209_0230	2.5	E E
20230209_0240	2.2	ESE
20230209_0300	1.7	ESE
20230209 0310	1.7	E
20230209_0320	2.2	ENE
20230209 0330	2.2	Е
20230209_0340	2.2	E
20230209_0350	2.2	ESE
20230209_0400 20230209_0410	1.9 1.4	<u>Е</u> Е
20230209_0410	1.4	ESE
20230209_0420	1.7	ESE
20230209_0440	1.7	SE
20230209_0450	1.7	E
20230209_0500	2.2	Е
20230209_0510	1.4	ESE
20230209_0520	2.2	ESE
20230209_0530	2.5	ESE
20230209_0540 20230209_0550	2.2 2.2	ESE E
20230209_0530	2.2	E
20230209 0610	1.9	ESE
20230209 0620	2.5	ESE
20230209_0630	2.5	ESE
20230209_0640	1.7	ESE
20230209_0650	1.7	ESE
20230209_0700	1.7	SE
20230209_0710 20230209_0720	1.7 1.1	SE ESE
20230209_0720	1.4	ESE
20230209 0740	2.5	E
20230209_0750	2.5	E
20230209_0800	2.2	Е
20230209_0810	2.2	Е
20230209_0820	1.7	ENE
20230209_0830	1.7	ENE
20230209 0840 20230209 0850	1.9 1.4	<u>Е</u> Е
20230209_0830	1.4	E E
20230209_0900	1.7	E
20230209 0920	2.5	ENE
20230209_0930	2.2	E
20230209_0940	2.2	ENE
20230209_0950	2.2	E
20230209 1000	2.5	ESE
20230209_1010	2.8	ESE
20230209_1020 20230209_1030	2.2 2.5	E ESE
20230209_1030	3.3	ESE ESE
20230209_1040	3.3	E
20230209_1100	2.5	ESE
20230209 1110		ESE
20230209_1120	2.5 3.3	ESE
20230209_1130	3.1	ESE
20230209 1140	3.3	SE
20230209_1150	3.3	SE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230209 1200	2.8	ESE
20230209_1200	3.3	SE
20230209_1210	3.3	ESE
20230209_1220	3.3	E E
20230209_1230	2.8	ESE
20230209 1250	3.9	ESE
20230209_1230	3.3	E
20230209_1310	3.3	ESE
20230209 1310	2.8	ESE
20230209 1320	2.8	E
20230209 1340	3.1	ENE
20230209_1340	3.9	ENE
20230209_1330	4.2	E
20230209 1410	3.6	E
20230209 1410	3.9	E
20230209 1430	2.8	ESE
20230209_1440	3.1	E
20230209_1440	2.8	E E
20230209 1500	2.8	E E
20230209_1500	2.8	E E
20230209 1510	2.5	ESE
20230209_1520	3.1	E
20230209 1530	3.1	E E
20230209 1550	2.8	E
20230209 1600	2.8	E
20230209 1610	3.3	E
20230209_1610	3.3	E
20230209 1630	2.8	ESE
20230209 1640	2.5	ESE
20230209 1650	2.8	E
20230209_1700	1.7	E
20230209 1710	2.8	E
20230209 1720	2.5	Ë
20230209 1730	3.3	ESE
20230209 1740	2.8	ESE
20230209 1750	3.3	ESE
20230209 1800	2.8	ESE
20230209 1810	1.7	ESE
20230209 1820	2.2	ESE
20230209 1830	1.7	ESE
20230209 1840	1.4	SE
20230209 1850	1.7	ESE
20230209 1900	0.8	-
20230209_1910	1.7	SSE
20230209 1920	1.1	SSE
20230209 1930	0.8	SE
20230209 1940	1.1	SE
20230209 1950	2.5	SE
20230209 2000	2.5	SSE
20230209_2010	1.7	SE

Date & Time Wind Speed (m/s) Wind Direction (From)	D . 0 m		
20230210 0020	Date & Time	Wind Speed (m/s)	Wind Direction (From)
20230210 0030		0.3	9
20230210 0050			
20230210 0050			
20230210 0100			
20230210 0120			SE
20230210 0130	20230210 0110	0.8	ESE
20230210 0140	20230210_0120	0.8	
20230210 0150	20230210 0130	1.7	ESE
20230210 0200		1.7	
20230210 0210			
20230210 0220			
20230210 0230			
20230210 0240			
20230210 0250			
20230210 0300			
December 20230210 0310 December 20230210 0320 December 20230210 0330 December 20230210 0330 December 20230210 0340 December 20230210 0340 December 20230210 0340 December 20230210 0340 December 20230210 0400 December 20230210 0410 December 20230210 0410 December 20230210 0410 December 20230210 0420 December 20230210 0430 December 20230210 0430 December 20230210 0430 December 20230210 0440 December 20230210 0450 December 20230210 0500 December 20230210 0520 December 20230210 0530 December 20230210 0530 December 20230210 0530 December 20230210 0530 December 20230210 0540 December 20230210 0550 December 20230210 0600 December 20230210 0600 December 20230210 0600 December 20230210 0600 December 20230210 0630 December 20230210 0700 December 20230210 0700 December 20230210 0730 December 20230210 0800 December 20230210 0800 December 20230210 0840 December 20230210 0830 December 20230210 0840 December 20230210 0830 December 20230210 0830 December 20230210 0930 December 20230210 0930 December 20230210 0940 December 20230210 0			
20230210 0320			
20230210 0330			
20230210 0340			
December 20230210 0350 December 20230210 0400 December 20230210 0410 December 20230210 0410 December 20230210 0420 December 20230210 0420 December 20230210 0430 December 20230210 0440 December 20230210 0440 December 20230210 0500 December 20230210 0500 December 20230210 0500 December 20230210 0500 December 20230210 0510 December 20230210 0510 December 20230210 0520 December 20230210 0530 December 20230210 0530 December 20230210 0540 December 20230210 0540 December 20230210 0550 December 20230210 0550 December 20230210 0600 December 20230210 0600 December 20230210 0610 December 20230210 0610 December 20230210 0630 December 20230210 0630 December 20230210 0630 December 20230210 0630 December 20230210 0640 December 20230210 0640 December 20230210 0710 December 20230210 0			
20230210 0400			
20230210 0410			-
20230210 0420			WSW
20230210 0430			
20230210 0440			
20230210 0500 0.3 S		1.1	
20230210 0510	20230210 0450	0.6	SSE
20230210 0520		0.3	
20230210 0530			
20230210 0540			
20230210 0550			S
20230210 0600 2.2 SE			
20230210 0610 2.2 SE			
20230210 0620			
20230210 0630			
20230210 0640			
20230210 0650			
20230210 0700			
20230210 0710			
20230210 0720			
20230210 0730			
20230210 0740			
20230210 0800	20230210 0740	1.4	SE
20230210 0810	20230210_0750	1.1	SE
20230210 0820	20230210 0800	1.1	SE
20230210 0830	20230210_0810	1.4	SE
20230210 0840 0.3 SE 20230210 0850 0.8 ESE 20230210 0900 0.8 ESE 20230210 0910 0.6 E 20230210 0920 0 N 20230210 0930 0 N 20230210 0940 0 N 20230210 0950 0 N 20230210 1000 0.3 ESE 20230210 1010 0 N 20230210 1020 0 N 20230210 1030 0 N 20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1050 0.3 NW 20230210 1100 0.3 NW 20230210 1110 0.3 SE 20230210 1120 0.3 SSE 20230210 1130 0.3 SSE 20230210 1140 0.3 S 20230210 1140 0.3 S			
20230210 0850			
20230210 0900 0.8			
20230210 0910			
20230210 0920			
20230210 0930			
20230210 0940 0 N 20230210 0950 0 N 20230210 1000 0.3 ESE 20230210 1010 0 N 20230210 1020 0 N 20230210 1030 0 N 20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1050 0.3 NW 20230210 1100 0.3 N 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 S			
20230210 0950 0 N 20230210 1000 0.3 ESE 20230210 1010 0 N 20230210 1020 0 N 20230210 1030 0 N 20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 S 20230210 1140 0.3 -			
20230210 1000 0.3 ESE 20230210 1010 0 N 20230210 1020 0 N 20230210 1030 0 N 20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 -			
20230210 1010	20230210 1000		
20230210 1020	20230210 1010	-	N
20230210 1030 0 N 20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 S	20230210 1020		
20230210 1040 0 N 20230210 1050 0.3 ENE 20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 -			
20230210 1050 0.3 ENE 20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 -			
20230210 1100 0.3 NW 20230210 1110 0.3 N 20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 -		0.3	
20230210 1120 0.3 SSE 20230210 1130 0.3 S 20230210 1140 0.3 -		0.3	NW
20230210 1130 0.3 S 20230210 1140 0.3 -			
20230210_1140			
20230210_1150 1.1 SSE			
	20230210_1150	1.1	SSE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230210_1200	1.1	SSE
20230210_1210	1.4	S
20230210 1220 20230210 1230	1.4 1.7	S SSE
20230210 1230	1.7	SE SE
20230210 1250	2.5	E
20230210_1300	2.8	Е
20230210_1310	2.8	Е
20230210 1320	3.3	ENE
20230210 1330 20230210 1340	2.8 2.2	ENE E
20230210_1340	2.8	E
20230210 1400	2.5	Е
20230210 1410	3.1	E
20230210 1420 20230210 1430	3.3 3.1	E E
20230210_1430	2.8	E
20230210 1450	3.3	ESE
20230210 1500	3.1	ESE
20230210 1510	3.3	E
20230210_1520 20230210_1530	3.1 3.3	E E
20230210 1530	3.1	Е Е
20230210 1540	2.8	E
20230210_1600	2.5	E
20230210_1610	2.8	ESE
20230210 1620 20230210 1630	2.8 3.3	ESE E
20230210_1030	3.3	E E
20230210_1650	3.1	Е
20230210_1700	2.5	ESE
20230210 1710	3.1	ESE
20230210_1720 20230210_1730	2.8 2.8	ESE ESE
20230210_1750	3.9	ESE
20230210_1750	3.1	ESE
20230210 1800	3.3 2.2	ESE
20230210_1810 20230210_1820	2.2	ESE ESE
20230210_1820	2.2	ESE
20230210_1840	2.2	ESE
20230210 1850	2.2 2.2 2.5	ESE
20230210_1900 20230210_1910	2.8 2.5	ESE
20230210 1910	2.8	ESE ESE
20230210_1920	2.8	ESE
20230210 1940	2.2	ESE
20230210 1950	1.7	ESE
20230210_2000 20230210_2010	1.7	ESE ESE
20230210_2010	2.8	ESE ESE
20230210 2030	2.8 3.1	ESE
20230210_2040	2.5	ESE
20230210_2050 20230210_2100	2.2	ESE
20230210_2100 20230210_2110	2.3	ESE ESE
20230210 2110	2.5 2.5 2.2 1.9	SE
20230210_2130	1.7	SE
20230210_2140	1.7	E
20230210_2150	2.5	ESE ESE
20230210 2200 20230210 2210	2.5 2.8	ESE
20230210 2220	2.5	ESE
20230210_2230 20230210_2240	2.5	ESE
	3.1	ESE
20230210 2250 20230210 2300	3.3 3.9	<u>Е</u> Е
20230210 2310	3.3	E E
20230210 2320	3.6	ESE
20230210_2330	3.3	ESE
20230210 2340 20230210 2350	3.9 3.3	ESE
20230210_2330	3.3	ESE

Date & Time	W: 10 1/ />	W. 1D. C. (E.)
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230211_0000	3.9	ESE
20230211_0010	3.9	ESE
20230211 0020	4.2	ESE
20230211_0020	4.2	ESE
20230211_0030	3.9	ESE
20230211_0040 20230211_0050	4.2	ESE
20230211_0050 20230211_0100	5	ESE
20230211 0100	3.9	ESE ESE
20230211_0110	4.2	ESE
20230211_0120	3.3	ESE
20230211_0130	3.3	ESE
20230211_0150	3.6	ESE
20230211_0200	3.3	ESE
20230211 0210	2.8	ESE
20230211_0220	2.8	ESE
20230211_0230	2.5	ESE
20230211_0240	2.2	ESE
20230211 0250	2.8	ESE
20230211 0300	2.5	ESE
20230211_0310	2.8	ESE
20230211_0320	2.8	ESE
20230211 0330	2.2	ESE
20230211_0340	2.8	SE
20230211_0350 20230211_0400	3.3 2.5	ESE ESE
20230211_0400	2.8	ESE
20230211_0410	2.8	ESE
20230211_0420	3.3	ESE
20230211 0430	2.5	ESE
20230211 0450	2.8	ESE
20230211 0500	3.3	ESE
20230211_0510	3.3	ESE
20230211 0520	3.1	ESE
20230211_0530	4.4	ESE
20230211_0540	4.2	ESE
20230211 0550	3.1	ESE
20230211_0600	3.9	ESE
20230211_0610	3.1	ESE
20230211_0620	3.3	ESE
20230211_0630	3.3	ESE
20230211_0640	4.2	ESE
20230211_0650 20230211_0700	4.7	ESE ESE
20230211_0700	2.8	ESE
20230211_0710	1.7	SE
20230211_0720	1.7	SE
20230211_0740	1.4	ESE
20230211 0750	1.7	ESE
20230211 0800	2.2	SE
20230211 0810	2.5	SE
20230211 0820	2.2	ESE
20230211_0830	2.2	SE
20230211_0840	2.2	ESE
20230211_0850	2.5	ESE
20230211 0900	3.3	ESE
20230211_0910	3.3	E
20230211_0920	3.1	ESE E
20230211_0930	2.2	ESE
20230211_0940 20230211_0950	2.8	ESE ESE
20230211 0930	3.6	ESE
20230211_1010	3.3	ESE
20230211_1010	3.9	ESE
20230211_1020	3.6	ESE
20230211_1030	3.3	ESE
20230211 1050	3.3	E
20230211_1100	3.1	E
20230211_1110	3.9	Е
20230211_1120	4.2	Е
20230211_1130	3.9	Е
20230211_1140 20230211_1150	3.6	E
	4.2	E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230211_1200	3.6	Е
20230211_1210	4.2	Е
20230211 1220	4.4	ESE
20230211_1230	4.2	E
20230211_1240	4.2	ESE
20230211_1250 20230211_1300	4.4 3.3	ESE ESE
20230211_1300	3.6	ESE
20230211_1310	4.7	ESE
20230211 1330	4.2	ESE
20230211 1340	5	Е
20230211_1350	5.3	ESE
20230211 1400	5	ESE
20230211 1410	3.9	ESE
20230211 1420 20230211 1430	4.2 4.2	ESE
20230211_1440	4.7	ESE ESE
20230211_1440	4.7	ESE
20230211 1500	5	ESE
20230211_1510	5.3	ESE
20230211_1520	4.2	Е
20230211_1530	4.2	E
20230211_1540	4.2	E
20230211 1550 20230211 1600	3.3 3.3	E E
20230211_1610	3.9	E E
20230211_1610	4.2	E
20230211 1630	4.4	ESE
20230211_1640	3.3	ESE
20230211_1650	3.1	ESE
20230211_1700	3.9	ESE
20230211 1710	2.8	ESE
20230211 1720 20230211 1730	2.8 3.3	ESE ESE
20230211_1730	3.3	ESE
20230211_1750	3.9	ESE
20230211 1800	3.9	ESE
20230211_1810	3.3	ESE
20230211_1820	3.3	ESE
20230211_1830	3.9	ESE
20230211_1840	4.2 4.7	ESE
20230211 1850 20230211 1900	4.7	ESE ESE
20230211_1900	3.3	ESE
20230211 1920	3.9	ESE
20230211_1930	3.3	ESE
20230211 1940	3.3	ESE
20230211_1950	3.9	ESE
20230211_2000	3.9	ESE
20230211_2010 20230211_2020	3.3 3.1	ESE ESE
20230211 2020 20230211 2030	2.5	ESE
20230211_2030	3.1	ESE
20230211_2050	2.5	ESE
20230211_2100	1.7	SE
20230211_2110	2.5	ESE
20230211_2120	2.5	E
20230211_2130	3.1 2.5	E ESE
20230211_2140 20230211_2150	3.1	ESE E
20230211_2130	3.9	ESE
20230211_2200	3.9	ESE
20230211_2220	4.4	ESE
20230211_2230	4.2	ESE
20230211_2240	4.2	ESE
20230211 2250	3.9	ESE
20230211_2300	3.3	ESE
20230211 2310 20230211 2320	3.3 3.3	ESE ESE
20230211_2320	2.8	ESE
20230211_2330	3.3	ESE
20230211_2350	4.2	ESE

Date & Time	Wind Coord (m/o)	Wind Dinastion (Fram)
(YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230212_0000	3.3	ESE
20230212_0010	3.9 3.9	ESE
20230212_0020 20230212_0020	3.9	ESE ESE
20230212 0020	3.9	ESE
20230212 0040	2.2	E
20230212_0050	2.5	Е
20230212 0100	2.2	E
20230212 0110	1.7	ESE
20230212_0120 20230212_0130	1.7 2.2	<u>Е</u> Е
20230212_0130	2.5	E
20230212 0150	2.8	E
20230212 0200	2.5	ENE
20230212 0210	2.5	E
20230212_0220	3.3	ESE
20230212_0230 20230212_0240	3.1 2.8	<u>Е</u> Е
20230212 0240	2.8	E
20230212 0300	2.5	E
20230212_0310	2.2	ESE
20230212_0320	2.5	ESE
20230212 0330	2.5	E
20230212_0340	2.8	E
20230212_0350 20230212_0400	2.5 2.5	<u>Е</u> Е
20230212_0400	2.8	E
20230212 0420	2.5	E
20230212 0430	2.5	Е
20230212_0440	2.5	E
20230212_0450	3.3	E
20230212_0500 20230212_0510	3.1 3.1	<u>Е</u> Е
20230212 0510	2.8	E
20230212 0530	2.8	ESE
20230212_0540	2.5	ESE
20230212_0550	2.5	ESE
20230212 0600	2.5	ESE
20230212_0610 20230212_0620	2.5 2.5	ESE ESE
20230212_0020	2.2	ESE
20230212_0640	2.5	ESE
20230212 0650	3.1	ESE
20230212 0700	3.1	E
20230212_0710	3.3	ESE
20230212_0720 20230212_0730	4.7 3.9	<u>Е</u> Е
20230212 0740	3.3	E
20230212_0750	3.1	ENE
20230212_0800	3.3	Е
20230212 0810	3.6	<u>E</u>
20230212_0820	3.3	E
20230212_0830 20230212_0840	3.3 4.2	<u>Е</u> Е
20230212_0840	3.3	E
20230212_0000	3.9	E
20230212 0910	3.3	ESE
20230212_0920	3.1	ESE
20230212_0930	3.3	ESE
20230212_0940 20230212_0950	2.8 3.1	ESE ESE
20230212 1000	4.2	ESE ESE
20230212_1000	3.6	ESE
20230212_1020	4.2	Е
20230212_1030	4.2	ESE
20230212_1040	4.2	ESE
20230212_1050	3.9	E
20230212_1100 20230212_1110	4.4	<u>Е</u> Е
20230217. 1170	4.4 4.4	
20230212_1120 20230212_1130	4.4 4.4 4.2	E E
	4.4	Е

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230212_1200	4.7	Е
20230212_1210	5	E
20230212 1220 20230212 1230	4.2 5	ESE E
20230212_1230	5.3	ESE
20230212 1250	5	ESE
20230212_1300	4.4	ESE
20230212_1310	4.2 4.2	Е
20230212 1320	4.2	ESE
20230212_1330 20230212_1340	3.3 3.3	<u>Е</u> Е
20230212_1340	3.3	E
20230212 1400	3.3 3.3	Е
20230212 1410	3.9	E
20230212 1420	4.2 3.3	<u>Е</u> Е
20230212_1430 20230212_1440	3.3	Е Е
20230212_1440	4.2	E
20230212_1500	3.3	Ē
20230212_1510	3.3	E
20230212_1520	2.8	E
20230212 1530 20230212 1540	3.3 3.3	E E
20230212 1540	3.3	<u>Е</u> Е
20230212_1600	3.1	Е
20230212_1610	3.3	Е
20230212_1620	3.1	E
20230212_1630 20230212_1640	2.8 3.3	E E
20230212_1040	3.3	E
20230212_1700	3.9	E
20230212 1710	3.6	Е
20230212_1720	3.3	E
20230212_1730 20230212_1740	3.9 3.9	E E
20230212_1740	3.3	E
20230212_1700	2.8	E
20230212_1810	3.3	ESE
20230212 1820	2.8	ESE
20230212_1830 20230212_1840	2.2 1.9	E ESE
20230212_1850	2.5	ESE
20230212_1900	2.2	E
20230212 1910	1.7	E
20230212_1920	2.5 2.5	ESE
20230212_1930 20230212_1940	2.8	ESE ESE
20230212 1950	2.8	ESE
20230212_2000	2.8	ESE
20230212_2010	2.2 2.2 2.2 2.2	ESE
20230212 2020 20230212 2030	2.2	ESE
20230212_2030 20230212_2040	2.2	ESE SE
20230212_2050	3.1	ESE
20230212_2100	3.3	SE
20230212 2110	3.1	ESE
20230212_2120 20230212_2130	3.3	ESE ESE
20230212_2130	2.8	ESE
20230212_2150	3.1	ESE
20230212 2200	3.3 3.3	ESE
20230212 2210	3.3	ESE
20230212_2220	3.1 3.1	ESE ESE
20230212_2230 20230212_2240	3.3	ESE
20230212_2250		ESE
20230212 2300	2.8 3.3	ESE
20230212 2310	3.3	ESE
20230212_2320 20230212_2330	2.8 1.7	ESE ESE
20230212_2330		ESE E
20230212_2340	2.5 2.2	E

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230213 0000	2.5	Е
20230213_0010	1.7	ESE
20230213 0020	1.7	ESE
20230213 0020	1.7	ESE
20230213_0030	1.9	ESE
20230213_0040	2.5	ESE
20230213_0050	2.8	ESE
20230213_0100	2.8	ESE
20230213_0110	2.2	SE
20230213_0120	2.5	ESE
20230213_0130	2.2	ESE
20230213_0140	1.7	SE
20230213 0150	1.7	ESE
20230213 0200	1.4	ESE
20230213 0210	1.4	ESE
20230213_0220	1.7	SE
20230213_0230	1.7	SE
20230213_0240	2.2	SE
20230213 0250	1.7	SE
20230213_0300	1.4	SE
20230213_0310	1.7	SE
20230213_0320	1.7	SE
20230213 0330 20230213 0340	2.8 3.1	SSE SE
20230213 0340	4.2	SE SE
20230213_0330	2.5	SE SE
20230213_0400	3.3	SE
20230213_0410	2.8	SE
20230213 0420	2.5	SE
20230213_0430	3.1	SE
20230213_0440	2.5	SE
20230213 0500	2.5	ESE
20230213 0510	1.9	ESE
20230213 0520	2.8	ESE
20230213 0530	3.1	SE
20230213 0540	3.3	SE
20230213 0550	2.8	ESE
20230213_0600	2.8	ESE
20230213_0610	2.5	ESE
20230213_0620	2.5	ESE
20230213_0630	2.8	ESE
20230213_0640	2.5	ESE
20230213_0650	3.1	ESE
20230213_0700	3.3	SE
20230213_0710	3.3	E
20230213_0720	2.8	ESE
20230213 0730	3.1	ESE
20230213_0740	3.3	ESE
20230213_0750 20230213_0800	2.8 3.3	ESE
20230213_0800 20230213_0810	3.3	ESE ESE
20230213 0810	3.3	ESE
20230213 0820	3.3	E
20230213_0840	3.3	ESE
20230213_0040	3.3	E
20230213_0000	3.1	ESE
20230213 0910	3.3	ESE
20230213 0920	2.5	ESE
20230213 0930	3.3	E
20230213_0940	3.1	ESE
20230213 0950	3.1	Е
20230213 1000	3.3	ESE
20230213_1010	3.1	ESE
20230213_1020	2.8	E
20230213_1030	3.3	E
20230213_1040	2.8	E
20230213_1050	3.3	E
20230213_1100	2.2	E
20230213_1110	3.1	E
20230213_1120	2.8	E
20230213 1130 20230213 1140	3.3	E
20230213_1140 20230213_1150	3.3 3.3	E ESE
	٥.٥	LOE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230213_1200	3.3	Е
20230213_1210	2.8	Е
20230213 1220	3.3	E
20230213 1230	3.9	E
20230213_1240 20230213_1250	4.2 4.2	E E
20230213_1230	4.2	E E
20230213_1300	4.4	ESE
20230213 1320	4.2	E
20230213 1330	3.6	E
20230213_1340	3.6	E
20230213_1350	3.9	E
20230213 1400	3.3	E
20230213_1410	3.1	ESE
20230213 1420 20230213 1430	3.3 3.1	E
20230213_1430 20230213_1440	3.1	E E
20230213_1440	3.3	E
20230213 1430	3.3	E
20230213 1510	3.1	E
20230213_1520	3.3	E
20230213 1530	2.8	ESE
20230213 1540	3.1	ESE
20230213_1550	3.6	ESE
20230213_1600	3.3 3.3	ESE
20230213_1610	2.5	E ESE
20230213 1620 20230213 1630	2.3	ESE ESE
20230213_1030	2.5	E E
20230213 1040	2.8	ESE
20230213_1700	2.8	ESE
20230213 1710	2.2	Е
20230213_1720	2.8	ESE
20230213_1730	2.5	E
20230213_1740	2.5	ESE
20230213_1750	2.5	E
20230213 1800 20230213 1810	2.2	ESE E
20230213 1810	2.8	ESE
20230213_1820	2.2	ESE
20230213_1840	1.4	ESE
20230213 1850	1.1	-
20230213_1900	1.1	Е
20230213_1910	0.8	-
20230213_1920	0.3	- POP
20230213_1930	1.4 1.1	ESE
20230213 1940 20230213 1950	0.3	ESE
20230213 1930	0.5	S
20230213_2000	0.6	S
20230213 2020	0.6	S
20230213 2030	0.3	SE
20230213_2040	1.1	ESE
20230213_2050	0.8	SW
20230213_2100	0.3	SW
20230213_2110 20230213_2120	0.3 0.3	S
20230213_2120 20230213_2130	0.3	ESE -
20230213_2130	0.5	N
20230213_2140	0.3	-
20230213_2200	0.3	SSE
20230213 2210	0	N
20230213_2220	0	N
20230213_2230	0.3	SSW
20230213_2240	1.7	SW
20230213 2250	3.3	SW
20230213_2300	2.8	SW
20230213_2310 20230213_2320	2.8 2.8	SW WSW
20230213_2320	3.1	WSW
20230213_2330		WSW
20230213 2350	2.5 2.2	NNW

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230214_0000	1.7	W
20230214_0010	2.2	WSW
20230214 0020	2.5	WNW
20230214_0020	2.5	WNW
20230214_0030	1.4	NW
20230214_0040	1.4	NNW NNW
20230214_0050 20230214_0100	2.5	NW
20230214_0100	3.1	NW
20230214 0120	2.8	NNW
20230214 0130	3.1	NNW
20230214_0140	3.9	N
20230214_0150	3.9	N
20230214 0200	3.3	N
20230214_0210	3.9	N N
20230214_0220 20230214_0230	4.2 3.9	N N
20230214_0230	4.7	N N
20230214_0240	4.2	N N
20230214_0230	5.3	N
20230214 0310	4.4	N
20230214 0320	4.4	N
20230214 0330	4.2	N
20230214_0340	4.4	N
20230214_0350	4.7	N
20230214_0400	4.4	N N
20230214 0410 20230214 0420	4.7 5	N N
20230214 0420	5.8	N N
20230214_0430	4.7	N
20230214 0450	4.2	N
20230214 0500	4.7	N
20230214_0510	6.1	N
20230214_0520	5.3	N
20230214_0530	5.3	N
20230214_0540	5.3	N N
20230214_0550	5.8	N N
20230214 0600 20230214 0610	6.1 6.4	N N
20230214_0010	5.8	N
20230214_0630	5	N
20230214 0640	5.6	N
20230214_0650	6.7	NNE
20230214_0700	5.3	NNE
20230214_0710	6.1	NNE
20230214_0720	6.9	N N
20230214 0730 20230214 0740	5 5.8	N N
20230214_0740	6.4	N N
20230214_0730	5.8	NNE
20230214_0810	6.7	NNE
20230214 0820	6.7	N
20230214_0830	6.9	NNE
20230214_0840	6.4	NNE
20230214_0850	5.6	NNE
20230214 0900 20230214 0910	5.3	N NNE
20230214 0910	6.7 6.4	NNE
20230214_0920	5.8	N
20230214_0940	6.7	NNE
20230214 0950	7.2	N
20230214_1000	5.3	N
20230214_1010	6.7	NNE
20230214_1020	5.3	N
20230214_1030	6.1	NNE
20230214 1040 20230214 1050	5.6 4.4	N NNE
20230214_1000	4.4	N N
20230214_1100	5	N
20230214_1120	5.3	N
20230214_1130	4.4	N
20230214_1140	6.1	NNE
20230214_1150	5.3	N

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230214_1200	4.4	NNE
20230214_1210	4.2	N
20230214_1220	4.7	N N
20230214_1230	4.2	N
20230214_1240 20230214_1250	4.7	N N
20230214_1230	4.2 3.3	N N
20230214_1310	4.2	N
20230214 1320	3.3	N
20230214_1330	4.2	N
20230214_1340	4.7	NNE
20230214_1350	4.7	NNE
20230214 1400	3.3	NNE
20230214_1410	3.3	N
20230214_1420	3.9 3.3	NNE
20230214_1430 20230214_1440	3.9	NNE NNE
20230214_1440	4.2	NNE
20230214 1430	2.8	N
20230214 1510	3.3	NNE
20230214_1520	4.2	NNE
20230214 1530	4.4	NNE
20230214 1540	3.9	NNE
20230214 1550	3.9	N
20230214_1600	4.2	NNE
20230214_1610 20230214_1620	4.4 3.6	NNE NNE
20230214_1620 20230214_1630	3.3	NNE NNE
20230214_1030	3.9	NNE
20230214 1650	3.3	NNE
20230214 1700	3.3	NNE
20230214_1710	3.3	NNE
20230214_1720	3.9	NNE
20230214_1730	3.3	NNE
20230214_1740	3.1	NNE
20230214_1750	3.1	NNE
20230214 1800 20230214 1810	2.8 2.5	NNE NNE
20230214 1810	2.3	NNE
20230214 1830	2.8	NNE
20230214 1840	2.5	NNE
20230214 1850	2.8	NNE
20230214_1900	2.5	NNE
20230214_1910	3.3	NNE
20230214_1920	3.3	NNE
20230214_1930	3.3 3.3	NNE
20230214 1940 20230214 1950	4.2	NNE NNE
20230214 1930	4.2	NNE
20230214_2000	4.7	NNE
20230214 2020	4.7	NNE
20230214 2030	3.9	NNE
20230214_2040	4.7	NNE
20230214_2050	5	NNE
20230214_2100	3.3	NNE
20230214_2110 20230214_2120	3.9 4.2	NNE NNE
20230214_2120 20230214_2130	4.4	NNE NNE
20230214_2130	3.3	NNE
20230214_2150	3.3	NNE
20230214 2200		NNE
20230214_2210	2.5 2.5	NNE
20230214_2220	3.3	NNE
20230214_2230	4.2	NNE
20230214_2240	4.2	NNE
20230214_2250	4.2	NNE
20230214_2300	3.3	NNE
20230214 2310 20230214 2320	3.9 4.7	NNE NNE
20230214_2320	5	NNE
20230214_2330	4.7	NNE
20230214_2350	5	NNE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230215_0000	5.6	NNE
20230215_0010	5.8	NNE
20230215_0020	5.3	NNE
20230215_0020	5.3	NNE
20230215_0030	4.7	NNE
20230215_0040	4.4	N
20230215_0050	4.7	NNE
20230215_0100	5	NNE
20230215 0110 20230215 0120	3.6 4.2	NNE NNE
20230215_0120	4.7	N N
20230215_0130	4.7	NNE
20230215_0110	4.7	N
20230215_0200	5.8	NNE
20230215_0210	4.2	NNE
20230215_0220	3.3	NNE
20230215_0230	5	NNE
20230215_0240	4.2	N
20230215 0250	3.6	N
20230215_0300	4.7	N
20230215_0310	5	NNE
20230215_0320	4.4	N N
20230215_0330	3.9	N N
20230215_0340	3.9	NNIE
20230215_0350 20230215_0400	3.3 3.3	NNE NNE
20230215_0400 20230215_0410	3.3	NNE
20230215_0410	4.2	NNE
20230215_0420	3.6	NNE
20230215_0440	4.7	N
20230215_0450	4.2	NNE
20230215 0500	4.7	N
20230215_0510	3.9	N
20230215_0520	3.9	N
20230215_0530	4.7	N
20230215_0540	5.3	N
20230215_0550	4.7	NNE
20230215_0600	5.3	NNE
20230215_0610	6.1	NNE
20230215_0620	4.7	NNE
20230215_0630 20230215_0640	5.3 5.3	NNE NNE
20230215 0640 20230215 0650	5.3	NNE
20230215_0030	5.3	NNE
20230215 0700	4.7	NNE
20230215_0720	5.6	NNE
20230215 0730	5.3	NNE
20230215_0740	4.7	NNE
20230215_0750	4.7	NNE
20230215_0800	5	NNE
20230215_0810	3.9	NNE
20230215_0820	3.9	NNE
20230215_0830	4.2	NNE
20230215_0840	4.2	NNE
20230215_0850	5	NNE
20230215 0900 20230215 0910	3.9 3.9	N NNE
20230215_0910 20230215_0920	4.2	NNE NNE
20230215_0920	4.2	N N
20230215_0930	5	N
20230215_0950	5.3	N
20230215_1000	5.8	NNE
20230215_1010	5.3	NNE
20230215_1020	4.7	NNE
20230215_1030	5	NNE
20230215_1040	4.2	N
20230215_1050	4.7	NNE
20230215_1100	4.4	NNE
20230215_1110	4.2	NNE
20230215_1120	3.9	N N
20230215 1130 20230215 1140	4.2	N
20230215 1140	3.9 2.8	NNE N

20230215 1200 3.1 N	Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230215 1220			
20230215 1230			
20230215 1240		3.3	
20230215 1300		2.3	
20230215 1300		3.3	- 1111 11
20230215 1310		1.7	NNE
20230215 1320 2.8 NNE		2.2	
20230215 1350 3.1 NNW		2.8	
20230215 1350 3.1 NNW		2.5	
20230215 1400 3.3 NNE 20230215 1410 3.3 N N 20230215 1420 3.3 N N 20230215 1420 3.3 N N 20230215 1430 3.3 N N 20230215 1440 3.1 N N 20230215 1450 3.3 NNE 20230215 1500 2.8 N N 20230215 1510 3.1 N N 20230215 1510 3.1 N N 20230215 1510 3.3 N N 20230215 1530 3.3 N N 20230215 1540 4.2 NNE 20230215 1540 4.2 NNE 20230215 1540 4.2 NNE 20230215 1540 3.3 NNE 20230215 1540 3.3 NNE 20230215 1600 3.3 NNE 20230215 1600 3.3 NNE 20230215 1600 3.3 NNE 20230215 1600 3.3 NNE 20230215 1630 2.2 ENE ENE 20230215 1630 2.2 ENE 20230215 1630 2.2 ENE 20230215 1650 1.7 NNE 20230215 1650 1.7 NNE 20230215 1700 3.3 NNE 20230215 1710 3.3 NNE 20230215 1750 3.1 NNE 20230215 1750 3.1 NNE 20230215 1800 2.8 NNE 20230215 1850 1.9 NE 20230215 1800 2.8 NNE 20230215 1850 1.9 NE 20230215 1850 1.9 NE 20230215 1900 1.4 ENE 20230215 1900 1.1 NE 20230215 1900 1.1 NE 20230215 1900 1.1 ENE 20230215 2000 0.6 ENE 20230215 2000 0.8 ENE 20230215 2000 0.9 N 20230215		3.1	
20230215 1410		3.1	
20230215 1430		3.3	
20230215 1430		3,3	
20230215 1450		3.3	
20230215 1500		3.1	
20230215 1510 3.1 N		3.3	
20230215 1540			
20230215 1540		3 3	
20230215 1540		3.3	
20230215 1600 3.3 NNE	20230215_1540	4.2	NNE
20230215 1620		3.3	
20230215 1620		3.3	
20230215 1630 2.2 ENE		3.3	
20230215 1640		2.0	
20230215 1650		1.4	ENE
20230215 1710		1.7	
20230215 1720		3.3	
20230215 1730		3.3	
20230215 1740 3.1 NNE		3.3	
20230215 1750 3.1 NNE			
20230215 1800 2.8 NNE		3.1	
20230215 1820 2.8 NNE		2.8	NNE
20230215 1830 2.8 NNE		2.8	
20230215 1850			
20230215 1850		2.8	
20230215 1900			
20230215 1910			
20230215 1930	20230215_1910		ENE
20230215 1940			
20230215 1950			
20230215 2010 0.8 E		0.3	
20230215 2010			
20230215 2030			
20230215 2040			
20230215 2050			
20230215 2100			
20230215 2110			
20230215 2120			
20230215 2140	20230215 2120	0.3	E
20230215 2150			
20230215 2200			
20230215 2210			
20230215 2220			
20230215 2230			
20230215 2250 0.3 SE 20230215 2300 0 N 20230215 2310 0 N 20230215 2320 0 N 20230215 2330 0 N 20230215 2330 0 N 20230215 2340 0 N	20230215_2230		
20230215 2300			
20230215 2310 0 N 20230215 2320 0 N 20230215 2330 0 N 20230215 2340 0 N			
20230215 2320 0 N 20230215 2330 0 N 20230215 2340 0 N			
20230215 2330 0 N 20230215 2340 0 N	20230215 2320		
20230215_2350			
	20230215_2350	0.8	SSW

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230216_0000	0	N
20230216_0010	0.8	N
20230216 0020	0.8	N
20230216 0020 20230216 0030	0.8 1.1	N NNE
20230216 0040	1.1	NE NE
20230216_0050	1.4	NNE
20230216 0100	0.8	NNE
20230216_0110	1.1	NNE
20230216_0120 20230216_0130	1.4 1.4	NNE NNE
20230216_0130	1.7	NNE
20230216 0150	1.7	N
20230216 0200	2.5	NNE
20230216_0210 20230216_0220	2.8 2.8	NNE NNE
20230216_0220	2.8	NNE
20230216 0240	2.8	NNE
20230216_0250	2.5	NNE
20230216_0300	1.7	NE NE
20230216_0310 20230216_0320	1.4 1.4	NE NE
20230216 0320	1.4	NE NE
20230216 0340	1.4	NNE
20230216_0350	1.4	NE
20230216_0400	1.7	N N
20230216 0410 20230216 0420	1.4 1.7	N N
20230216 0420	2.2	NNE
20230216_0440	2.2	NNE
20230216_0450	1.4	N
20230216 0500	1.4	N
20230216 0510 20230216 0520	2.2 1.7	N N
20230216 0530	1.7	N
20230216_0540	1.7	N
20230216_0550	1.4	N
20230216_0600	2.2	N N
20230216 0610 20230216 0620	2.5 2.2	N N
20230216_0630	1.7	N
20230216 0640	2.2	N
20230216_0650	1.7	N
20230216_0700	1.7 2.2	N N
20230216_0710 20230216_0720	1.9	N N
20230216_0720	2.5	N
20230216 0740	3.1	N
20230216_0750	2.5	N
20230216_0800	3.3 3.3	N N
20230216 0810 20230216 0820	2.5	N N
20230216_0830	2.2	N
20230216_0840	3.1	N
20230216_0850	3.3	N
20230216 0900 20230216 0910	2.8 3.6	N NNE
20230216 0910	3.1	NNE N
20230216_0930	3.9	N
20230216_0940	3.9	N
20230216_0950	3.3	N N
20230216 1000 20230216 1010	4.4 4.7	N NNE
20230216 1010	3.9	N N
20230216_1030	5.3	NNE
20230216 1040	4.2	N
20230216_1050	3.9 3.9	N
20230216_1100 20230216_1110	4.2	N N
20230216_1110	3.9	NNE
20230216 1130	3.3	N
20230216 1140	3.1	N
20230216_1150	2.5	N

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230216 1200	2.2	N
20230216 1210	2.8	NNE
20230216_1210	1.4	N
20230216 1230	2.5	N N
20230216 1240	1.7	N N
20230216 1250	2.8	N
20230216_1230	2.2	N
20230216_1310	1.7	NW
20230216 1310	2.2	NNW
20230216 1330	1.7	-
20230216 1340	1.9	N
20230216_1350	1.4	N
20230216 1400	1.4	-
20230216 1410	1.1	ENE
20230216 1420	0.3	-
20230216 1430	1.1	-
20230216 1440	0.8	NE
20230216 1450	1.4	NE
20230216 1500	1.1	WNW
20230216 1510	0.8	N
20230216 1520	1.1	N
20230216 1530	0.6	NE
20230216 1540	1.1	NNW
20230216_1550	1.1	NNE
20230216_1600	0.8	NNE
20230216_1610	0.8	NE
20230216_1620	0.8	S
20230216_1630	1.7	ESE
20230216_1640	2.8	E
20230216_1650	2.5	ESE
20230216_1700	2.8	Е
20230216_1710	2.8	Е
20230216_1720	2.2	Е
20230216_1730	2.8	Е
20230216_1740	2.5	ESE
20230216_1750	2.8	ESE
20230216_1800	2.2	ESE
20230216 1810	2.8	ESE
20230216_1820	2.5 3.1	ESE
20230216_1830	3.1	ESE
20230216_1840	2.5	ESE
20230216_1850	2.2	ESE
20230216_1900	2.5	ESE
20230216_1910	2.5	ESE
20230216_1920	2.5	ESE
20230216_1930	2.5	ESE
20230216_1940	2.5	ESE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM)	Willia Speed (III/S)	Willia Direction (From)
20230217 0020	3.3	ESE
20230217_0030	3.1	ESE
20230217 0040	3.3	SE
20230217_0050	3.3	SE
20230217 0100	3.3	SE
20230217 0110	2.8	ESE
20230217_0120	2.2	ESE
20230217_0130	1.7	SE
20230217_0140	1.7	SE
20230217 0150	1.7	ESE
20230217 0200	3.1	E
20230217 0210		
	2.2	ESE
20230217_0220	1.7	ESE
20230217_0230	2.5	ESE
20230217 0240	2.5	Е
20230217 0250	2.8	ENE
	2.0	
20230217_0300	2.8	ENE
20230217_0310	1.9	E
20230217 0320	2.2	Е
20230217 0330	2.2	ENE
20230217_0330	2.8	E
20230217_0350	2.8	E
20230217_0400	2.5	E
20230217 0410	2.8	Е
20230217 0420	2.5	E
20230217_0420	2.8	ESE
20230217_0440	3.1	ESE
20230217_0450	2.5	ESE
20230217 0500	2.2	ESE
20230217 0510	2.5	SE
20230217_0520	2.8	ESE
20230217_0530	2.5	SE
20230217 0540	1.4	ESE
20230217 0550	0.6	ENE
20230217 0600	0.8	SSE
20230217_0610	1.1	SE
20230217_0620	0.6	NNE
20230217_0630	0.3	NNE
20230217 0640	0.3	Е
20230217 0650	0.3	ENE
20230217_0000	0.3	BIVE
		-
20230217_0710	0.6	ENE
20230217_0720	0.3	E
20230217 0730	1.4	Е
20230217 0740	1.1	ESE
20230217_0750	0.8	SE
20230217_0800	0.8	SE
20230217_0810	1.1	E
20230217_0820	1.7	SE
20230217_0830	2.2	SE
20230217_0840	2.2	E
20230217_0850	2.2	ESE
20230217_0900	3.1	E
20230217_0910	2.2	E
20230217_0920	2.5	ENE
20230217 0930	2.2	E
20230217 0930	2.2	ESE
20230217_0950	2.5	ESE
20230217_1000	2.5	ESE
20230217_1010	2.8	ESE
20230217_1020		ESE
20230217 1020	2.5 2.2	
	2.2	ESE
20230217_1040	2.2	ESE
20230217_1050	1.7	SE
20230217 1100	1.4	-
20230217_1110	1.4	NE
20230217_1110		E
	1.4	
20230217_1130	1.9	ESE
20230217_1140	1.4	ESE
20230217 1150	1.1	SE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230217_1200	0.6	Е
20230217_1210	1.4	NE
20230217 1220	1.4	N
20230217 1230	2.2	SE
20230217 1240	3.3	SSE
20230217_1250	3.9	SE
20230217_1300 20230217_1310	2.5 2.8	ESE ESE
20230217 1310	2.8	ESE ESE
20230217 1320	2.2	E
20230217_1340	2.5	ESE
20230217_1350	3.1	E
20230217 1400	3.1	Е
20230217_1410	2.5	Е
20230217_1420	2.5	E
20230217_1430	2.8	Е
20230217_1440	1.7	-
20230217 1450	2.5 2.5	E SE
20230217_1500 20230217_1510	1.7	ENE
20230217_1510	1.7	ENE E
20230217_1520	2, 2	SE
20230217 1530	2.2 2.2	ESE
20230217_1550	2.2	E
20230217_1600	1.4	ESE
20230217_1610	1.7	ESE
20230217 1620	2.8	E
20230217_1630	2.2 2.8	<u>Е</u> Е
20230217_1640 20230217_1650	2.8	ESE
20230217_1000	3.1	ESE
20230217_1710	3.1	ESE
20230217_1720	2.5	ESE
20230217_1730	3.3	ESE
20230217_1740	2.8	ESE
20230217_1750	2.8	ESE
20230217_1800 20230217_1810	2.5 1.7	SE ESE
20230217 1810	1.7	SE
20230217 1830	1.4	ESE
20230217_1840	1.4	ENE
20230217_1850	0.6	SW
20230217_1900	1.1	ENE
20230217 1910	1.4	ESE
20230217_1920 20230217_1930	1.7 2.8	SE ESE
20230217_1930	2.8	ESE
20230217 1950	3.3	ESE
20230217 2000	2.8	ESE
20230217_2010	2.5	ESE
20230217 2020	1.9	ESE
20230217_2030	1.7	E
20230217 2040 20230217 2050	0.6 0.3	NE SSE
20230217_2100	0.3	- -
20230217_2100	0.6	-
20230217_2120	0.8	SE
20230217_2130	1.7	SE
20230217_2140	1.7	SE
20230217_2150	1.1	S
20230217_2200	0.6	<u>S</u>
20230217_2210 20230217_2220	0.8 0.8	S S S
20230217 2230	0.8	<u>S</u>
20230217_2240	0.8	SSW
20230217_2250	1.1	SSW
20230217_2300	1.1	S
20230217_2310	0.3	- OF
20230217_2320 20230217_2330	1.1 1.4	SE SE
20230217_2330	0.3	NW
20230217 2350	0.3	ESE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230218 0000	0.8	SSE
20230218_0010	0	N
20230218 0020	0	N
20230218 0020	0	N
20230218 0030	0.8	SSE
20230218_0040	0.8	ESE
20230218_0050	0.3	ESE
20230218_0100	0.3	SE WNW
20230218 0110 20230218 0120	0.6 0.3	NNW
20230218_0120	0.3	WNW
20230218 0140	0.5	N
20230218 0150	0.3	NE
20230218 0200	0.3	SSW
20230218_0210	0.3	WSW
20230218_0220	0.3	-
20230218_0230	0.3	E
20230218_0240	0.3	ESE
20230218_0250	0.3 0.3	SE
20230218_0300 20230218_0310	0.3	WNW N
20230218_0310	0	N
20230218 0330	0.3	-
20230218 0340	0	N
20230218 0350	0	N
20230218_0400	0.3	SSW
20230218 0410	0	N
20230218_0420	0	N
20230218 0430	0.6	ESE
20230218_0440	0.8	SSW
20230218_0450	0.3	NW
20230218_0500	0.3	SW
20230218 0510 20230218 0520	0.3	ENE
20230218_0520	0.3	SSE
20230218 0540	0.6	SE
20230218 0550	0.3	WSW
20230218 0600	0.6	N
20230218_0610	0	N
20230218_0620	0	N
20230218_0630	0.3	-
20230218 0640	0	N
20230218_0650	0.6	SW N
20230218 0700 20230218 0710	0	N N
20230218_0710	0	N N
20230218_0720	0.3	S
20230218 0740	0	N
20230218_0750	0	N
20230218_0800	0.3	ENE
20230218_0810	0	N
20230218 0820	0.3	S
20230218_0830	0	N N
20230218_0840	0	N
20230218_0850 20230218_0900	0.3	SE N
20230218 0910	0	N N
20230218 0920	0.3	SW
20230218 0930	0.3	E
20230218 0940	0.3	ENE
20230218 0950	0.3	NE
20230218 1000	0.6	SSW
20230218_1010	0.6	W
20230218_1020	0.8	SW
20230218_1030	0.6	-
20230218_1040 20230218_1050	0.3 0.3	SSW SE
20230218_1100	0.8	NE
20230218 1110	0.8	NE -
20230218_1110	0.8	-
20230218_1120	1.7	Е
20230218_1140	1.9	ESE
20230218_1150	2.5	ESE
		<u> </u>

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230218_1200	3.3	ESE
20230218_1210	3.1	Е
20230218 1220	3.1	E
20230218 1230 20230218 1240	2.8	<u>Е</u> Е
20230218_1240 20230218_1250	2.5 2.5	ESE
20230218_1230	2.8	ESE
20230218_1310	2.5	ENE
20230218 1320	3.6	ESE
20230218_1330	2.8 3.1	SE
20230218_1340		ESE
20230218_1350	1.9	ESE
20230218 1400	1.7	E
20230218 1410 20230218 1420	2.5	SE
20230218_1420 20230218_1430	2.5 2.5	<u>Е</u> Е
20230218_1440	2.8	E
20230218 1450	3.1	ENE
20230218_1500	3.3	ENE
20230218_1510	2.8 3.3	Е
20230218_1520	3.3	Е
20230218 1530	3.3	E
20230218 1540	3.1	E
20230218_1550 20230218_1600	3.3 3.3	E ENE
20230218_1610	2.8	ENE E
20230218_1620	3.3	ENE
20230218 1630	2.8	E
20230218 1640	2.8	E
20230218_1650	2.5 2.8	Е
20230218_1700	2.8	Е
20230218 1710	3.1	E
20230218 1720	2.8	E
20230218_1730 20230218_1740	3.1	ESE ESE
20230218_1750	2.2 2.5	E
20230218_1800	1.7	E
20230218 1810	1.4	E
20230218_1820	1.7	Е
20230218_1830	1.9	E
20230218_1840	1.7	E
20230218_1850	1.7 1.4	ESE ESE
20230218_1900 20230218_1910	1.1	ESE ESE
20230218_1910	0.8	ESE
20230218 1930	0.6	SE
20230218 1940	0.8	SE
20230218 1950	1.1	SE
20230218_2000	0.6	SSE
20230218_2010	0.3	SE
20230218 2020 20230218 2030	0	N N
20230218 2030	0	N N
20230218 2050	0	N
20230218_2100	0.3	SW
20230218 2110	0.8	SSW
20230218_2120	1.1	SSE
20230218_2130	1.1	SE
20230218_2140	1.1	ESE
20230218_2150 20230218_2200	0.8 1.4	ESE E
20230218 2210	0.3	
20230218 2220	0.5	N
20230218_2230	0	N
20230218_2240	1.1	Е
20230218 2250	1.1	ESE
20230218_2300	0.8	SE
20230218 2310	1.4	ESE
20230218_2320 20230218_2330	1.7 1.4	ESE SE
20230218_2330	0.3	ESE ESE
20230218 2350	0.3	SE SE
20200210 2000	0.5	ŞD.

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Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM)		
20230219_0000	0.3	S
20230219_0010	1.1	S
20230219 0020	1.1	SE
20230219_0020	1.1	SE
20230219_0030	1.4	SE
20230219 0040	1.4	SSE
20230219 0050	0.8	SSE
20230219 0100	0.6	ESE
20230219 0110	1.4	SE
20230219_0120	0.8	SE
20230219_0130	1.4	SE
20230219_0140	1.4	SE
20230219 0150	1.4	SE
20230219 0200	1.7	SE
20230219 0210	1.7	SSE
20230219 0220	2.2	SE
20230219 0230	1.7	SE
20230219_0230	1.1	
		ESE
20230219_0250	0.3	E
20230219_0300	0	N
20230219_0310	0	N
20230219 0320	0.3	NNE
20230219_0330	0.3	Е
20230219_0340	0	N
20230219 0350	0	N
20230219_0400	0	N
20230219_0400	0	
		N N
20230219_0420	0	N N
20230219 0430	0	N
20230219_0440	0	N
20230219_0450	0	N
20230219 0500	0	N
20230219_0510	0	N
20230219_0520	0	N
20230219 0530	0	N
20230219_0540	0	N
20230219_0550	0	N N
20230219 0600	0	N
20230219_0610	0.3	SE
20230219_0620	0.3	SE
20230219_0630	0	N
20230219 0640	0.3	NNE
20230219 0650	0	N
20230219_0700	0	N
20230219 0710	0.3	S
20230219_0720	0.3	SE
20230219_0730	0.3	E
20230219 0740	0	N
20230219_0750	0	N
20230219_0800	0.3	SE
20230219 0810	0.3	-
20230219 0820	0.3	-
20230219 0830	0.3	-
20230219_0830	2.2	SE
20230219_0850	1.4	SE
20230219_0900	0.8	S
20230219 0910	0.3	SE
20230219_0920	0.3	SE
20230219_0930	0.3	Е
20230219 0940	0.6	ESE
20230219 0950	0.3	NNE
20230219 1000	0.3	-
	1.1	N N
20230219_1010		
20230219_1020	1.4	NNW
20230219_1030	1.4	NNE
20230219_1040	1.7	N
20230219_1050	2.5	N
20230219_1100	2.5	NNW
20230219 1110	2.2	NW
20230219_1110	2.2	NNW
20230219_1120		
	2.5	NNW
20230219_1140	2.2	N
20230219_1150	3.9	NNE

(YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230219_1200	3.1	N
20230219_1210	3.9	N
20230219 1220	3.3	N
20230219_1230	3.1	NNE
20230219_1240	3.3	NNE
20230219_1250	3.3	NNE
20230219_1300	3.1	NNE
20230219_1310	4.4	NNE
20230219 1320	2.8	N
20230219_1330	3.3	N
20230219_1340	2.8	NNW
20230219_1350	3.9	NNE
20230219 1400	4.7	N
20230219 1410 20230219 1420	2.8	NNE
	3.9 3.6	NNE
20230219_1430 20230219_1440	3.1	NNE NNE
20230219_1440	4.2	NNE
20230219_1430	3.3	NNE
20230219 1500	2.8	NNE
20230219_1510	3.3	NNE
20230219_1530	3.3	NNE
20230219 1530	1.7	ENE
20230219 1550	1.9	NNE
20230219 1600	1.4	NE
20230219_1610	2.8	NNE
20230219_1620	2.8	N
20230219_1630	3.3	NNE
20230219_1640	2.5	NE
20230219_1650	3.1	NNE
20230219_1700	2.8	NNE
20230219_1710	2.5	NNE
20230219 1720	3.1	NNE
20230219_1730	2.5	NNE
20230219_1740	3.1	NNE
20230219_1750	2.2	NE NNE
20230219 1800 20230219 1810	1.7 2.2	NNE NNE
20230219_1810	1.4	NNE NNE
20230219_1820	1.7	NNE
20230219_1840	1.7	NNE
20230219_1850	1.4	NE
20230219 1900	2.5	NNE
20230219 1910	2.2	NE
20230219 1920	2.8	NE
20230219_1930	2.2	ENE
20230219_1940	2.8	ENE
20230219_1950	3.1	ESE
20230219_2000	3.1	E
20230219_2010	3.9	E
20230219_2020	3.3	E E
20230219 2030	3.6	
20230219_2040	3.9	E
20230219_2050	5 4.2	E
20230219_2100		ESE
20230219 2110 20230219 2120	3.6 3.3	ESE E
20230219 2120	3.3	Е Е
20230219_2130	3.1	E E
20230219_2150	3.3	E
20230219_2200		E E
20230219 2210	3.1 3.3	E
20230219 2220	3.3	E
20230219 2230	1.9	E
20230219_2240	2.2	E
20230219 2250	1.7	NE
20230219_2300	2.5	Е
20230219_2310	2.2	ESE
20230219_2320	1.7	ESE
20230219_2330	1.7	ESE
20230219_2340	1.7	SE
20230219_2350	1.7	SE

CYYYMMBB HHMM	Date & Time	Wind Cond (m/s)	Wind Dinesting (Forms)
20230220 0010		Wind Speed (m/s)	Wind Direction (From)
20230220 0020			
20230220 0020			
20230220 0030			
20230220 0040			
20230220 0100			
20230220 0110			
20230220 0120	20230220 0100	0.6	WSW
20230220 0130			
20230220 0140			
20230220 0150			
20230220 0200			
20230220 0210			
20230220 0230			
20230220 0240	20230220_0220	1.4	ESE
20230220 0250			
20230220 0300			
20230220 0310			
20230220 0320			
20230220 0330			
20230220 0340			
20230220 0350 3.3 NNE 20230220 0400 3.3 NNE 20230220 0410 3.3 NNE 20230220 0420 2.5 NE 20230220 0420 1.4 ENE 20230220 0440 1.1 NE 20230220 0450 3.1 NE 20230220 0500 3.9 NNE 20230220 0510 3.3 NNE 20230220 0510 3.3 NNE 20230220 0520 3.3 NNE 20230220 0520 3.3 NNE 20230220 0520 3.3 NNE 20230220 0520 3.3 NNE 20230220 0540 4.2 NNE 20230220 0550 3.6 NNE 20230220 0600 3.3 NNE 20230220 0600 3.3 NNE 20230220 0600 3.3 NNE 20230220 0600 3.3 NNE 20230220 0600 3.5 NNE 20230220 0630 3.9 NNE 20230220 0630 3.9 NNE 20230220 0630 3.9 NNE 20230220 0630 3.9 NNE 20230220 0640 5 NNE 20230220 0640 5 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0730 6.1 NNE 20230220 0730 6.1 NNE 20230220 0730 4.7 NNE 20230220 0800 4.4 NNE 20230220 0800 4.4 NNE 20230220 0800 4.7 NNE 20230220 0800 4.7 NNE 20230220 0800 4.7 NNE 20230220 0850 4.7 NNE 20230220 0850 4.4 NNE 20230220 0850 4.4 NNE 20230220 0850 4.4 NNE 20230220 0900 4.7 NNE 20230220 0900 4.2 NNE 20230220 0900 3.9 NNE 20230220 0000 3.3 NNE 20230220 0000 3.3 NNE 20230220 0000 3.9 NNE 20230220 0000 3.9 NNE 20230220 0000 3.9 NNE 20230220 0000 3.9 NNE 2023022			
20230220 0410 3.3 NNE			
20230220 0420			
20230220 0440			
20230220 0440			
20230220 0450 3.1 NE 20230220 0500 3.9 NNE 20230220 0510 3.3 NNE 20230220 0510 3.3 NNE 20230220 0520 3.3 NNE 20230220 0520 3.3 NNE 20230220 0530 3.6 NNE 20230220 0540 4.2 NNE 20230220 0640 4.2 NNE 20230220 0610 3.6 NNE 20230220 0610 3.6 NNE 20230220 0620 3.9 NNE 20230220 0630 3.9 NNE 20230220 0640 5 NNE 20230220 0640 5 NNE 20230220 0650 5.3 NNE 20230220 0740 5.8 NNE 20230220 0740 5.8 NNE 20230220 0740 4.2 NNE 20230220 0740 4.2 NNE 20230220 0750 4.7 NNE 20230220 0840 4.4 NNE 20230220 0840 4.4 NNE 20230220 0840 4.4 NNE 20230220 0840 4.7 NNE 20230220 0840 5 NNE 20230220 0840 5 NNE 20230220 0840 5 NNE 20230220 0850 4.4 NNE 20230220 0850 4.4 NNE 20230220 0940 4.2 NNE 20230220 0950 3.9 NNE 20230220 09			
20230220 0500 3.9 NNE 20230220 0510 3.3 NNE 20230220 0520 3.3 NNE 20230220 0520 3.3 NNE 20230220 0530 3.6 NNE 20230220 0540 4.2 NNE 20230220 0550 3.6 NNE 20230220 0550 3.6 NNE 20230220 0600 3.3 NNE 20230220 0610 3.6 N NNE 20230220 0610 3.6 N NNE 20230220 0620 3.9 NNE 20230220 0630 3.9 NNE 20230220 0630 5.3 NNE 20230220 0650 5.3 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0700 5.8 NNE 20230220 0730 6.1 NNE 20230220 0730 6.1 NNE 20230220 0730 4.7 NNE 20230220 0740 4.2 NNE 20230220 0750 4.7 NNE 20230220 0750 4.7 NNE 20230220 0810 5.8 NNE 20230220 0810 5.8 NNE 20230220 0820 4.7 NNE 20230220 0820 4.7 NNE 20230220 0830 6.1 NNE 20230220 0850 4.4 NNE 20230220 0850 4.4 NNE 20230220 0850 4.7 NNE 20230220 0900 3.9 NNE 20230220 1000 3.3 NNE 20230220 1000 3.3 NNE 20230220 1000 3.3 NNE 20230220 1000 3.9 NNE 20230220 1000 3.9 NNE 20230220 1000 3.9 NNE 20230220 1000 3.9 NNE 20230220 1100 4.2 NNE 20230220 1100 4.2 NNE 20230220 1100 4.2 NNE 20230220 1110 4.2 NNE 20230220 1110 4.2			
20230220 0510 3.3 NNE 20230220 0520 3.3 NNE 20230220 0530 3.6 NNE 20230220 0540 4.2 NNE 20230220 0540 4.2 NNE 20230220 0550 3.6 NNE 20230220 0600 3.3 NNE 20230220 0610 3.6 N NE 20230220 0610 3.6 N NE 20230220 0620 3.9 NNE 20230220 0630 3.9 NNE 20230220 0640 5 NNE 20230220 0640 5 NNE 20230220 0700 5.8 NNE 20230220 0710 5 NNE 20230220 0710 5 NNE 20230220 0730 6.1 NNE 20230220 0730 6.1 NNE 20230220 0740 4.7 NNE 20230220 0750 4.7 NNE 20230220 0750 4.7 NNE 20230220 0810 5.8 NNE 20230220 0810 5.8 NNE 20230220 0810 5.8 NNE 20230220 0820 4.7 NNE 20230220 0830 6.1 NNE 20230220 0830 6.1 NNE 20230220 0840 5 NNE 20230220 0840 5 NNE 20230220 0850 4.7 NNE 20230220 0850 4.7 NNE 20230220 0840 5 NNE 20230220 0850 4.7 NNE 20230220 0850 4.7 NNE 20230220 0850 4.7 NNE 20230220 0850 4.7 NNE 20230220 0940 4.7 NNE 20230220 0940 4.7 NNE 20230220 0950 3.9 NNE 20230220 0940 4.7 NNE 20230220 0950 3.9 NNE 20230220 0940 4.2 NNE 20230220 0950 3.9 NNE 20230220 0100 4.2 NNE 20230220 0110 4.2 NNE 20230220 01100 4.2 NNE 20230220 01100 4.2 NNE 20230220 01100 4.2 NNE 20230			
20230220 0520 3.3 NNE		3.3	
20230220 0540	20230220 0520		
20230220 0550 3.6 NNE 20230220 0600 3.3 NNE 3.3 NNE 3.3 NNE 3.3 NNE 3.3 NNE 3.4 3.5 NNE 3.5 3.5 NNE 3.5 NN			
20230220 0610 3.6 N			
20230220 0610 3.6 N			
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20230220_1140 2.5 N			
20230220_1130			
	20230220_1130	1./	22F

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM) 20230220 1200	1.4	NE
20230220_1210	1.4	NE
20230220 1220	0.8	ESE
20230220_1230	1.7	SSE
20230220_1240	1.7	SSE
20230220_1250	1.7	Е
20230220_1300	1.4	SE
20230220_1310	2.2	SE
20230220_1320	1.1	S
20230220 1330	1.1	E
20230220_1340	1.1	ENE
20230220_1350	1.7	NNW
20230220 1400	2.8	NW
20230220 1410 20230220 1420	2.8 2.2	WNW NW
20230220 1420	1.9	WNW
20230220_1430	1.7	N
20230220_1440	1.1	WNW
20230220 1430	2.2	WNW
20230220 1510	2.8	WNW
20230220 1520	2.2	-
20230220 1530	1.9	WNW
20230220 1540	2.5	N
20230220_1550	2.5	NNE
20230220_1600	1.1	ESE
20230220_1610	1.7	Е
20230220 1620	2.2 1.7	Е
20230220 1630	1.7	ESE
20230220_1640	2.2	ESE
20230220_1650	2.8	ESE
20230220_1700	2.8 2.2 2.5 3.3	ESE
20230220 1710 20230220 1720	2.5	ESE ESE
20230220 1720	3.1	ESE
20230220 1730	3.3	E
20230220 1750	3.3 3.3	ESE
20230220_1700	3.3 3.3	E
20230220 1810	3.3	Е
20230220_1820	3.3	E
20230220_1830	4.2	ESE
20230220_1840	3.1	ESE
20230220 1850	1.1	
20230220 1900	1.1	SE
20230220 1910	2.8	ESE
20230220_1920 20230220_1930	2.8	ESE
20230220_1930 20230220_1940	2.2 2.8	ESE ESE
20230220 1940	2.8	SE
20230220 1930	3.6	SE
20230220 2010	2.8	SE
20230220 2020	2.8	ESE
20230220_2030	2.8 2.2 2.2	ESE
20230220_2040	2.2	ESE
20230220_2050	1.4	ESE
20230220_2100	1.4	ESE
20230220 2110	2.2	ESE
20230220 2120	1.7	ESE
20230220_2130	2.2 2.5	SE
20230220_2140 20230220_2150	3.1	SE SE
20230220 2200 20230220 2210	2.8 2.2	SE SE
20230220 2210	2.8	SE
20230220 2230	2.8	SE
20230220 2240	1.9	SE
20230220 2250	2.2	ESE
20230220_2300	2.2 2.2	ESE
20230220_2310	3.1	ESE
20230220_2320	1.7	ESE
20230220_2330	2.5	ESE
20230220 2340	1.7	ESE
20230220 2350	1.9	ESE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230221 0000	1.7	ESE
20230221 0010	2.5	ESE
20230221 0020	3.1	ESE
20230221 0020	3.1	ESE
20230221_0030	3.3	ESE
20230221_0040	2.8	SE
20230221_0050	2.5	ESE
20230221_0100	1.9	ESE
20230221 0110	1.7	ESE
20230221 0120	1.7	ESE
20230221_0130	2.2	ESE
20230221_0140	1.9	SE
20230221_0150 20230221_0200	2.2	ESE
20230221 0200	1.7	SE SE
20230221_0210	1.4	SE SE
20230221_0220	1.7	SE
20230221 0240	1.9	SE
20230221 0250	1.4	SE
20230221 0300	1.1	ESE
20230221 0310	1.4	ESE
20230221 0320	1.4	Е
20230221_0330	1.4	ESE
20230221_0340	1.7	SE
20230221_0350	1.1	ESE
20230221_0400	1.1	ESE
20230221 0410	0.8	E
20230221 0420	1.4	E
20230221 0430	1.7	E
20230221_0440	1.1	ESE
20230221_0450	2.2	ESE
20230221_0500	2.8	ESE
20230221_0510 20230221_0520	2.5 1.9	ESE ESE
20230221 0520	1.7	ESE
20230221_0540	1.7	ESE
20230221_0540	1.7	ESE
20230221 0530	1.7	ESE
20230221 0610	1.7	E
20230221 0620	1.1	ESE
20230221_0630	1.7	ESE
20230221_0640	0.8	ESE
20230221_0650	1.1	ESE
20230221_0700	0.6	ESE
20230221_0710	1.1	ESE
20230221_0720	0.8	ESE
20230221 0730	1.4	E
20230221 0740	1.4	ESE
20230221_0750	1.4 1.7	ESE
20230221_0800 20230221_0810	1.7	<u>Е</u> Е
20230221 0810	1.7	E E
20230221_0820	2.8	E E
20230221 0840	2.2	E
20230221_0040	1.7	E
20230221 0900	3.1	E
20230221 0910	2.5	ENE
20230221 0920	2.5	E
20230221_0930	3.3	E
20230221_0940	3.1	Е
20230221_0950	2.8	ESE
20230221_1000	2.5	ESE
20230221 1010	2.2	ENE
20230221_1020	2.2	NE
20230221_1030	3.6	E
20230221 1040	3.3	E
20230221 1050	2.5	ENE
20230221_1100	3.3	ENE
20230221_1110	3.1	E ESE
20230221_1120	2.8	
20230221_1120 20230221_1130	2.8	SE
20230221_1120		

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230221 1200	3.3	ESE
20230221_1210	3.3	Е
20230221_1220	3.3	ENE
20230221_1230	2.8	E
20230221 1240 20230221 1250	3.3 2.8	E ESE
20230221_1230	3.3	ESE
20230221_1300	3.3	E
20230221 1320	3.3	E
20230221_1330	3.6	Е
20230221_1340	4.2	E
20230221_1350	4.2	E
20230221 1400 20230221 1410	4.7 4.4	E E
20230221_1410	3.9	E E
20230221 1430	4.7	E
20230221_1440	4.4	Е
20230221_1450	5	Е
20230221_1500	5.3	ESE
20230221 1510 20230221 1520	5 5	ESE
20230221_1520 20230221_1530	4.7	ESE ESE
20230221_1540	5.3	ESE
20230221_1550	4.7	ESE
20230221_1600	4.2	ESE
20230221_1610	5.8	ESE
20230221_1620	6.1	ESE
20230221 1630 20230221 1640	5.6	ESE ESE
20230221_1040	5.3	ESE
20230221_1700	4.2	ESE
20230221 1710	4.4	SE
20230221_1720	4.2	SE
20230221 1730 20230221 1740	4.2 3.9	ESE
20230221_1740	3.3	ESE ESE
20230221_1750	4.2	ESE
20230221_1810	4.2	ESE
20230221_1820	4.7	ESE
20230221_1830	4.4	SE
20230221_1840 20230221_1850	4.2 4.7	SE
20230221 1850 20230221 1900	4.7	ESE ESE
20230221 1910	4.2	ESE
20230221 1920	4.7	ESE
20230221_1930	5	ESE
20230221 1940	4.7	ESE
20230221_1950	5	ESE
20230221_2000 20230221_2010	4.7 4.2	ESE ESE
20230221_2010	4.2	ESE
20230221_2030	4.4	ESE
20230221_2040	4.2	ESE
20230221_2050	3.6	ESE
20230221_2100	4.4	ESE
20230221 2110 20230221 2120	4.4 4.7	SE SE
20230221_2120	3.3	SE
20230221 2140	3.3	SE
20230221_2150	3.6	SE
20230221_2200	3.3	ESE
20230221 2210 20230221 2220	3.9 4.7	SE SE
20230221 2220	4.7	SE SE
20230221_2240	4.4	ESE
20230221 2250	4.2	SE
20230221_2300	3.6	ESE
20230221_2310	3.9	ESE
20230221_2320 20230221_2330	4.4 3.9	ESE SE
20230221_2330	3.9	ESE
20230221_2350	4.4	ESE

11 17 17 18 18 18 18 18	Date & Time	Wind Coood (m/o)	Wind Dinastian (Fram)
20030222 0010	(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20030222 0030			
20030222 0030			
20030222 0030			
20030222 0050			
20030222 0100			
20230222 0110			
20230222 0130			
Description			
20230222 0140			
20230222 0150			
20230222 0200			
20230222 0200			
20230222 0240			
20230222 0250		2.8	
20230222 0250 3.3 SE			
20230222 0300 3.3 SE			
20230222 0310			
20030222 0340			
20230222 0330			
20030222 0350			
20030222 0400			ESE
20230222 0410			
Deciding			
20030222 0440			
20030222 0440			
20030222 0450			
20230222 0500			
Description		1.7	
20230222 0530			
20030222 0540			
20230222 0550			
20230222 0600			
20030222 0610			
20030222 0620			
20230222 0640		1.7	
20230222 0650 1.7 E 20230222 0700 1.7 ESE 20230222 0710 2.2 ESE 20230222 0720 1.4 ESE 20230222 0740 1.4 ESE 20230222 0750 1.7 ESE 20230222 0800 2.5 ESE 20230222 0810 2.2 ESE 20230222 0820 2.8 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0850 2.5 E 20230222 0850 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0910 3.3 E 20230222 0920 3.6 E 20230222 0930 3.3 ESE 20230222 0940 3.6 E 20230222 0950 3.9 E 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000			
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20230222 0720 1.4 ESE 20230222 0730 0.8 ESE 20230222 0740 1.4 ESE 20230222 0750 1.7 ESE 20230222 0800 2.5 ESE 20230222 0810 2.2 ESE 20230222 0820 2.8 E 20230222 0830 3.1 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0900 3.9 E 20230222 0910 3.3 ESE 20230222 0920 3.6 E 20230222 0930 3.3 ESE 20230222 0940 3.6 ESE 20230222 1040 3.1 E 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000 3.3 ESE 20230222 1000 3.3 ESE 20230222 1000 3.3 ESE 20230222 1000 <td></td> <td></td> <td></td>			
20230222 0730 0.8 ESE 20330222 0740 1.4 ESE 20230222 0750 1.7 ESE 20230222 0800 2.5 ESE 20230222 0810 2.2 ESE 20230222 0820 2.8 E 20230222 0830 3.1 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0910 3.3 E 20230222 0930 3.6 E 20230222 0940 3.6 ESE 20230222 0940 3.6 ESE 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000 3.3 ESE 20230222 1010 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1000 3.3 ESE 20230222 1000 3.3 ESE 20230222 1000 </td <td></td> <td></td> <td></td>			
20230222 0740 1.4 ESE 20230222 0750 1.7 ESE 20230222 0800 2.5 ESE 20230222 0810 2.2 ESE 20230222 0820 2.8 E 20230222 0830 3.1 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0910 3.3 E 20230222 0910 3.6 E 20230222 0920 3.6 E 20230222 0940 3.6 ESE 20230222 0950 3.9 E 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000 3.3 ESE 20230222 1000			
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20230222 0810 2.2 ESE 20330222 0820 2.8 E 20230222 0830 3.1 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0910 3.3 E 20230222 0920 3.6 E 20230222 0930 3.3 ESE 20230222 0940 3.6 ESE 20230222 1000 3.1 E 20230222 1000 3.1 E 20230222 1000 3.3 ESE 20230222 1000 3.5 ESE 20230222 1000 </td <td>20230222_0750</td> <td></td> <td>ESE</td>	20230222_0750		ESE
20230222 0820 2.8 E 20230222 0830 3.1 E 20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0910 3.3 E 20230222 0920 3.6 E 20230222 0930 3.3 ESE 20230222 0940 3.6 ESE 20230222 0950 3.9 E 20230222 1000 3.1 E 20230222 1000 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1100 2.5 ESE 20230222 1100 2.5 ESE 20230222 1100 2.5 E 20230222 1100 2.5 E 20230222 1100 2.5 E 20230222 1110			
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20230222 0840 3.3 ESE 20230222 0850 2.5 E 20230222 0900 3.9 E 20230222 0910 3.3 E 20230222 0920 3.6 E 20230222 0930 3.3 ESE 20230222 0940 3.6 ESE 20230222 0950 3.9 E 20230222 1000 3.1 E 20230222 1010 3.3 ESE 20230222 1020 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			
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20230222 0940 3.6 ESE 20330222 0950 3.9 E 20230222 1000 3.1 E 20230222 1010 3.3 ESE 20230222 1020 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E 20230222 1140 2.5 E			
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20230222 1000 3.1 E 20230222 1010 3.3 ESE 20230222 1020 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E 20230222 1140 2.5 E			
20230222 1010 3.3 ESE 20230222 1020 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1100 2.2 SE 20230222 1110 1.9 ESE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			
20230222 1020 3.3 ESE 20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E 20230222 1140 2.5 E			
20230222 1030 3.3 ESE 20230222 1040 3.3 ESE 20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			
20230222 1050 3.6 ESE 20230222 1100 2.5 ESE 20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			ESE
20230222 1100 2.5 ESE 20330222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E	20230222 1040		ESE
20230222 1110 2.2 SE 20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			
20230222 1120 1.9 ESE 20230222 1130 2.5 E 20230222 1140 2.5 E			
20230222 1130 2.5 E 20230222 1140 2.5 E			
20230222 1140 2.5 E			
20230222_1150 1.4 -			

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230222_1200	0.8	WSW
20230222_1210	1.1	SE
20230222_1220	1.4	NNW
20230222 1230 20230222 1240	1.4 1.4	-
20230222_1240	1.7	-
20230222 1300	1.4	NNE
20230222 1310	1.1	NE
20230222_1320	2.5	E
20230222 1330 20230222 1340	2.5 1.9	ENE SE
20230222_1340	2.8	E
20230222 1400	2.5	ESE
20230222_1410	2.8	ESE
20230222 1420	3.1	ESE
20230222_1430 20230222_1440	3.3 2.8	E ESE
20230222_1450	2.5	ESE
20230222_1500	2.8	E
20230222 1510	2.8	E
20230222_1520	2.5	ESE
20230222 1530 20230222 1540	3.3 3.3	<u>Е</u> Е
20230222 1550	3.3	E E
20230222_1600	3.6	ESE
20230222_1610	3.3	E
20230222 1620	3.3 3.3	ESE
20230222 1630 20230222 1640	3.3	ESE E
20230222 10-10	3.9	ESE
20230222 1700	3.3	E
20230222_1710	3.6	ESE
20230222_1720	4.4 3.6	<u>Е</u> Е
20230222 1730 20230222 1740	3.6	ESE
20230222 1750	3.1	ESE
20230222 1800	3.3	ESE
20230222 1810	4.2	ESE
20230222 1820 20230222 1830	3.9 2.8	ESE E
20230222_1840	2.5	ESE
20230222 1850	1.7	ESE
20230222_1900	2.5	ESE
20230222_1910	2.2	ESE
20230222_1920 20230222_1930	1.4 2.2	SE ESE
20230222_1940	2.5	ESE
20230222 1950	2.8	ESE
20230222_2000	2.5	SE
20230222_2010	2.8	SE
20230222 2020 20230222 2030	2.8 3.1	SE SE
20230222_2040	3.1	SE
20230222_2050	2.5	ESE
20230222_2100	2.8	ESE
20230222 2110 20230222 2120	2.5 1.7	SE ESE
20230222 2120	2.8	ESE ESE
20230222 2140	3.3	ESE
20230222_2150	2.8	ESE
20230222 2200 20230222 2210	3.1 2.5	ESE
20230222_2210	2.5	ESE E
20230222 2230	3.1	ESE
20230222_2230 20230222_2240	3.1	ESE
20230222 2250	3.1	ESE
20230222 2300	1.7	ESE
20230222 2310 20230222 2320	2.5 1.7	ESE ESE
20230222_2320	2.8	ESE
20230222 2340	2.8	ESE
20230222 2350	2.8	ESE

Date & Time		
(YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230223 0000	3.1	ESE
20230223 0010	2.8	ESE
20230223 0020	1.7	ESE
20230223 0020	1.7	ESE
20230223 0030	1.7	ESE
20230223_0040	1.7	SE
20230223_0050	2.8	SE
20230223_0100	3.1	SE
20230223_0110	3.9	SE
20230223_0120	3.3	SE
20230223_0130	3.3	SE
20230223_0140	2.8	SE
20230223 0150	2.8	SE
20230223 0200	2.5	SE
20230223 0210	2.8	SE
20230223_0220	2.5	SE
20230223_0230	3.3	SE
20230223_0240	3.3	SE
20230223_0250	2.2	ESE
20230223 0300 20230223 0310	1.7	ESE ESE
	2.8	
20230223_0320	2.8	ESE
20230223 0330 20230223 0340	2.8 2.8	ESE ESE
20230223 0340	2.8	ESE ESE
20230223_0330	2.2	ESE
20230223_0400	2.2	ESE
20230223_0410	1.9	ESE
20230223_0430	1.1	E
20230223_0440	1.1	E
20230223 0450	1.4	E
20230223 0500	1.1	E
20230223 0510	0.8	Ë
20230223 0520	1.4	ESE
20230223 0530	0.8	SE
20230223 0540	1.4	SE
20230223 0550	0.6	ESE
20230223 0600	0.8	ESE
20230223 0610	1.1	Е
20230223_0620	1.1	ESE
20230223_0630	1.1	ESE
20230223_0640	1.1	ESE
20230223_0650	1.1	E
20230223 0700	1.1	ESE
20230223_0710	1.1	E
20230223_0720	1.1	E
20230223 0730	1.1	ESE
20230223_0740	0.3	ENE
20230223_0750	0.6	E
20230223_0800	0.8	E
20230223 0810 20230223 0820	1.7	SE
	1.7 2.5	ESE ESE
20230223_0830 20230223_0840	2.5	ESE ENE
20230223_0840	2.5	ENE E
20230223_0830	1.7	E E
20230223_0900	1.7	E
20230223_0910	1.7	ENE
20230223 0920	1.9	E
20230223 0940	1.4	ENE
20230223 0950	1.4	ESE
20230223_1000	1.4	SE
20230223_1010	2.5	ENE
20230223 1020	2.5	E
20230223_1030	2.8	E
20230223 1040	3.1	Е
20230223_1050	3.3	Ē
20230223 1100	3.3	ENE
20230223_1110	2.2 2.2	Е
20230223_1120	2.2	ESE
20230223 1130	2.2	ESE
20230223 1140	2.5	ESE
20230223_1150	2.8	S

Date & Time (YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230223_1200	2.5	SE
20230223_1210	2.5	SE
20230223 1220	1.7	-
20230223 1230 20230223 1240	1.4 1.4	E NNW
20230223_1240	0.8	ESE
20230223_1300	1.1	SSW
20230223 1310	1.4	SSE
20230223_1320	1.1	NNE
20230223_1330	1.4	NNE
20230223_1340	1.4	NNE
20230223_1350	1.4	S
20230223 1400 20230223 1410	1.7 1.4	- SSE
20230223_1410	1.7	SOE
20230223 1430	2.2	SSW
20230223_1440	1.7	S
20230223_1450	2.2	ESE
20230223 1500	1.9	SSE
20230223_1510	2.2	SE
20230223_1520 20230223_1530	2.5 2.8	SE
20230223 1530 20230223 1540	3.1	E E
20230223_1340	2.2	ESE
20230223_1600	1.4	ESE
20230223_1610	1.4	SSE
20230223 1620	1.4	NNW
20230223_1630	1.1	WSW
20230223_1640	2.2	SW
20230223_1650 20230223_1700	2.5 2.2	SW WSW
20230223_1700	2.2	W
20230223 1720	1.7	WSW
20230223_1730	1.1	WSW
20230223_1740	1.4	S
20230223_1750	0.8	ENE
20230223 1800 20230223 1810	1.4 1.1	ESE E
20230223_1810	0.8	ESE
20230223 1830	1.7	ESE
20230223_1840	2.2	ESE
20230223_1850	1.7	ESE
20230223_1900	1.7	ESE
20230223 1910	2.5	ESE
20230223_1920 20230223_1930	2.8 2.2	ESE E
20230223_1930	2.2	ESE
20230223 1950	2.5	ESE
20230223_2000	2.2	ESE
20230223_2010	2.2	ESE
20230223 2020	2.2	ESE
20230223 2030 20230223 2040	1.9 2.2	SE
20230223_2040 20230223_2050	2.2	SE SE
20230223_2030	2.5	SE
20230223_2110	2.2	SE
20230223_2120	2.2	SE
20230223_2130	1.9	SE
20230223_2140	1.7	SE
20230223_2150 20230223_2200	2.2	SE SE
20230223_2200	2.5 2.2	SE SE
20230223 2220	2.5	SSE
20230223 2230 20230223 2240	2.5	SE
	2.5	SE
20230223 2250	1.9	SSE
20230223 2300 20230223 2310	2.2 2.5	SSE
20230223_2310	2.5	SE SE
20230223_2320	2.2	SE SE
20230223_2340	2.8	SE
20230223 2350	1.7	SE

(YYYYMMBB HHMM) 2023/0224 0000 1.7 SE 2023/0224 0010 1.4 ESE 2023/0224 0020 1.7 SE 2023/0224 0030 1.7 SE 2023/0224 0030 1.7 SE 2023/0224 0030 1.7 SE 2023/0224 0050 1.1 SE 2023/0224 0050 1.1 SE 2023/0224 0050 1.1 SE 2023/0224 0100 1.4 SE 2023/0224 0100 1.4 SE 2023/0224 0100 1.4 SE 2023/0224 0100 1.4 SE 2023/0224 0100 1.4 SE 2023/0224 0120 1.9 SSE 2023/0224 0120 1.9 SSE 2023/0224 0150 1.1 SE 2023/0224 0150 1.1 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0200 0.8 SE 2023/0224 0250 0.8 SE 2023/0224 0300 0.3 SSE 2023/0224 0300 2023/0224 0300 2023/0224 0300 2	Date & Time		
2023/0224 0000		Wind Speed (m/s)	Wind Direction (From)
20230224 0020		1.7	SE
20230224 0020		1.4	ESE
20230224 0020	20230224 0020	1.7	SE
20230224 0040			SE
20230224 0050			ESE
20230224 0100			
20230224 0110			
20230224 0130			
20230224 0130			
20230224 0140			
20230224 0150			
20230224 0200			
20230224 0210			
20230224 0230			
20230224 0230			
20230224 0240			JE -
20230224 0300			- S
20230224 0300			
20230224 0310			
20230224 0320			
20230224 0330			
20230224 0340			
20230224 0350			
20230224 0400			
20230224 0410			
20230224 0420			
20230224 0440			
20230224 0440			
20230224 0450			
20230224 0510	20230224 0450		
20230224 0510			
20230224 0520			
20230224 0540			
20230224 0550	20230224 0530	1.4	SSE
20230224 0600	20230224 0540	1.1	SSE
20230224 0610	20230224 0550	1.1	
20230224 0620	20230224 0600	0.6	SSE
20230224 0630			SSE
20230224 0640			
20230224 0650	20230224_0630		
20230224 0700			
20230224 0710			
20230224 0720			
20230224 0730			
20230224 0740			
20230224 0750			S
20230224 0800			
20230224 0810			
20230224 0820			
20230224 0830			
20230224 0840			
20230224 0850			
20230224 0900 0.3 NNW			
20230224 0910 0.8 NW			
20230224 0920			
20230224 0930 0.8 N			
20230224 0940 0.3 W 20230224 0950 0.6 - 20230224 1000 0.8 N 20230224 1010 0.8 - 20230224 1020 0.6 - 20230224 1030 0.3 - 20230224 1040 1.1 N 20230224 1050 1.1 NE 20230224 1100 1.4 NNW 20230224 1110 2.2 NW 20230224 1120 2.5 N			
20230224 0950			
20230224 1000 0.8 N			-
20230224 1010 0.8 -			N
20230224 1020			
20230224_1030			
20230224 1040 1.1 N			-
20230224 1050 1.1 NE 20230224 1100 1.4 NNW 20230224 1110 2.2 NW 20230224 1110 2.5 N			
20230224 1100 1.4 NNW 20230224_1110 2.2 NW 20230224_1120 2.5 N			
20230224_1110			
20230224_1120 2.5 N	20230224_1110	2.2	NW
	20230224_1120	2.5	N
20230224_1140 2.5 N			
20230224_1150 2.5 NNW	20230224_1150	2.5	NNW

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM) 20230224 1200	2.8	NW
20230224 1210	2.8	N
20230224_1220	3.1	NNE
20230224 1230	2.8	NNE
20230224_1240	3.3	NNE
20230224_1250 20230224_1300	3.1 2.8	NNE N
20230224_1300	3.3	NE NE
20230224 1320	2.8	N N
20230224 1330	2.2	NNW
20230224_1340	2.8	NNW
20230224_1350	2.5	NW
20230224 1400	3.1	NNE
20230224_1410 20230224_1420	1.7	WNW NNW
20230224 1430	2.5 1.7	W
20230224 1440	2.8	N
20230224_1450	2.5	NNW
20230224_1500	2.2	N
20230224_1510	1.7	NW
20230224_1520	2.5	NNW
20230224_1530 20230224_1540	2.5 2.8	NNW N
20230224 1550	2.8	N
20230224_1600	2.5 3.3	N
20230224_1610		NNE
20230224_1620	2.8	N
20230224 1630 20230224 1640	2.2	NNW
20230224 1640	2.2	N N
20230224_1700	2.2 2.2	NNW
20230224_1710	2.5	N
20230224_1720	2.2	N
20230224 1730	2.2	N
20230224_1740	2.2	N
20230224_1750 20230224_1800	1.7 1.4	N N
20230224 1810	1.7	N
20230224_1820	1.7	N
20230224_1830	1.7	NNE
20230224_1840	1.4	NNE
20230224_1850	2.2	NNE
20230224_1900 20230224_1910	2.2 1.4	NNE NNE
20230224 1920	1.1	NNE
20230224_1930	0.3	-
20230224_1940	1.1	NNE
20230224 1950	2.2	NNE
20230224_2000	2.5	NNE
20230224_2010 20230224_2020	2.2 2.5	NE NNE
20230224 2020	3.1	NNE
20230224_2040	3.3	NNE
20230224_2050	2.8	NNE
20230224_2100	3.9	NNE
20230224_2110	3.3	NNE
20230224_2120 20230224_2130	3.3 5	NNE NNE
20230224_2130	4.7	NNE
20230224_2150	4.4	NNE
20230224_2200	3.9	N
20230224_2210	3.9	NNE
20230224_2220	4.7	NNE
20230224_2230 20230224_2240	5.8 5.3	NNE NNE
20230224_2240	3.3	NE NE
20230224 2300	6.4	NNE
20230224 2310	5.8	NNE
20230224_2320	4.7	NE
20230224_2330	3.6	NNE
20230224 2340 20230224 2350	3.3 4.4	N NNE
20230224_2330	4.4	ININE

Wind Speed (m/s) Wind Direction (1)	
20230225 0010 5.8 NNE 20230225 0020 5 NNE 20230225 0030 5.3 NNE 20230225 0030 5.3 NNE 20230225 0040 5 NNE 20230225 0040 5 NNE 20230225 0050 5.6 NNE 20230225 0100 4.2 NNE 20230225 0110 5.6 NNE 20230225 0120 5.3 NNE 20230225 0130 6.4 NNE 20230225 0130 6.4 NNE 20230225 0130 5.3 NNE 20230225 0150 5 NNE 20230225 0150 5 NNE 20230225 0200 5.8 NNE 20230225 0230 5.3 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0240 5.3 NNE 20230225 0240 5.3 NNE 20230225 0240 5.3 NNE 20230225 0330 5 NNE 20230225 0330 5 NNE 20230225 0330 5 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0450 3.3 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0550 4.2 NN	
20230225 0020	
20230225 0020	
20230225 0040	
20230225 0050 5.6 NNE 20230225 0100 4.2 NNE 20230225 0110 5.6 NNE 20230225 0120 5.3 NNE 20230225 0130 6.4 NNE 20230225 0140 5.3 NNE 20230225 0150 5 NNE 20230225 0200 5 NNE 20230225 0210 6.1 NNE 20230225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0300 4.2 NNE 20230225 0300 4.2 NNE 202302225 0300 3.3 NNE 20230225 0300 3.3 NNE 20230225 030	
20230225 0100	
20230225 0110	
20230225 0120 5.3 NNE 20330225 0130 6.4 NNE 20230225 0140 5.3 NNE 20230225 0150 5 NNE 20230225 0200 5 NNE 20230225 0210 6.1 NNE 20230225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0350 3.3 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230	
20230225 0130 6.4 NNE 20230225 0140 5.3 NNE 20230225 0150 5 NNE 20230225 0200 5 NNE 20230225 0210 6.1 NNE 20230225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0300 5 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0400 3.9 NNE 20230225 0400 3.1 NNE 20230225 0400 3.1 NNE 20230225 0430 3.3 NNE 20230225 0430 3.3 NNE 2023022	
20230225 0140 5.3 NNE 20230225 0150 5 NNE 20230225 0200 5 NNE 20230225 0210 6.1 NNE 20230225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0310 4.2 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0340 3.9 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0440 3.9 NNE 20230225 0440 3.9 NNE 20230225 0440 3.9 NNE 20230225 0440 3.9 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 202	
20230225 0150	
20230225 0210 6.1 NNE 20330225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0310 4.2 NNE 20230225 0310 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0350 3.3 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0440 3.9 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE <td< td=""><td></td></td<>	
20230225 0220 5.8 NNE 20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0350 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0420 3.1 NNE 20230225 0440 3.9 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 2	
20230225 0230 5.3 NNE 20230225 0240 5.3 NNE 20230225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0500 4.2 NNE 2	
20230225 0240 5.3 NNE 20330225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0530 4.4 NNE 20230225 0530 4.2 NNE 20230225 0500 3.9 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 2	
20230225 0250 4.7 NNE 20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0420 3.1 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0500 3.9 NNE 2	
20230225 0300 5 NNE 20230225 0310 4.2 NNE 20230225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0350 3.3 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0530 4.4 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 2	
20230225 0310 4.2 NNE 20330225 0320 4.2 NNE 20230225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0530 4.4 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0500 3.9 NNE 20230225 0500 3.9 NNE 20230225 0500 4.2 NNE 20230225 0500 3.9 NNE <td< td=""><td></td></td<>	
20230225 0320 4.2 NNE 20330225 0330 3.3 NNE 20230225 0340 3.9 NNE 20230225 0350 3.3 NNE 20230225 0400 3.9 NNE 20230225 0410 3.3 NNE 20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 3.9 NNE 20230225 0500 3.9 NNE 20230225 0600 3.3 NNE <td< td=""><td></td></td<>	
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20230225 0410 3.3 NNE	
20230225 0420 3.1 NNE 20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 20230225 0510 3.9 NNE 20230225 0520 4.2 NNE 20230225 0520 4.2 NNE 20230225 0530 4.4 NNE 20230225 0530 4.4 NNE 20230225 0530 4.4 NNE 20230225 0550 3.9 NNE 20230225 0500 3.3 NNE 20230225 0600 3.3 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610 4.7 2023025 0610	
20230225 0430 3.3 NNE 20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 20230225 0510 3.9 NNE 20230225 0520 4.2 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0550 3.9 NNE 20230225 0560 3.3 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 NNE	
20230225 0440 3.9 NNE 20230225 0450 4.2 NNE 20230225 0500 4.2 NNE 20230225 0500 4.2 NNE 20230225 0510 3.9 NNE 20230225 0520 4.2 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0550 3.9 NNE 20230225 0560 3.3 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 0610 4.7 20230225 4.2	
20230225 0450 4.2 NNE 20330225 0500 4.2 NNE 20230225 0510 3.9 NNE 20230225 0520 4.2 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0550 3.9 NNE 20230225 0600 3.3 NNE 20230225 0600 4.7 NNE	
20230225 0500 4.2 NNE	
20230225 0510 3.9 NNE 20230225 0520 4.2 NNE 20230225 0530 4.4 NNE 20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0550 3.9 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 NNE 20230225 4.2 4	
20230225 0530 4.4 NNE 20230225 0540 4.2 NNE 20230225 0550 3.9 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 NNE	
20230225 0540 4.2 NNE 20330225 0550 3.9 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 NNE	
20230225 0550 3.9 NNE 20230225 0600 3.3 NNE 20230225 0610 4.7 NNE	
20230225 0600 3.3 NNE 20230225 0610 4.7 NNE	
20230225_0610 4.7 NNE	
20230225_0630 3.9 NNE	
20230225 0640 4.4 NNE	
20230225 0650 4.4 NNE	
20230225 0700 4.7 NNE	
20230225_0710 4.2 NNE	
20230225_0720 4.2 NNE	
20230225 0730 4.2 NNE 20230225 0740 3.3 NNE	
20230225 0740 3.3 NNE	
20230225 0800 4.2 NNE	
20230225 0810 4.4 NNE	
20230225 0820 4.7 NNE	
20230225 0830 4.2 NNE	
20230225_0840 5.3 NNE	
20230225_0850	
20230225 0900 4.7 NNE 20230225 0910 5.3 NNE	
20230225 0910 5.3 NNE	
20230225 0930 5 NNE	
20230225_0940 5.3 NNE	
20230225_0950 6.4 NNE	
20230225 1000 5.3 NNE	
20230225_1010 6.4 NNE	
20230225_1020	
20230225_1030	
20230225 1040 4.7 NNE 20230225 1050 4.7 NNE	
20230225 1030 4.7 INNE 20230225_1100 5.8 NNE	
20230225 1100 3.6 INTE	
20230225_1120 5.3 NNE	
20230225_1130 5 NNE	_
20230225 1140 5 NNE	
20230225_1150 5.3 NNE	

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230225_1200	3.9	N
20230225_1210	5.3	N
20230225_1220	5.3	NNE
20230225_1230	5.3	NNE
20230225_1240	4.7	N
20230225_1250 20230225_1300	4.7 5.8	NNE NE
20230225_1300	4.7	NNE
20230225 1310	5	NNE
20230225 1330	4.7	NNE
20230225_1340	4.7	NNE
20230225_1350	5	NNE
20230225 1400	4.7	NNE
20230225_1410 20230225_1420	5.3	NNE
20230225_1420 20230225_1430	5	NNE NNE
20230225_1430	5.3	NE
20230225 1450	5	NNE
20230225 1500	4.7	NNE
20230225_1510	4.2	NE
20230225_1520	5	NNE
20230225 1530	4.4	NNE
20230225_1540	3.9 4.2	NE NNE
20230225_1550 20230225_1600	4.2 5	NNE NNE
20230225_1610	4.4	NNE
20230225 1620	4.2	NE
20230225_1630	4.7	NE
20230225_1640	5.3	NNE
20230225_1650	4.7	NE
20230225_1700	4.2	NNE
20230225 1710 20230225 1720	3.6 4.4	NE NE
20230225 1720	5	NE NE
20230225 1740	4.4	NE NE
20230225_1750	4.4	NE
20230225_1800	5.3	NNE
20230225 1810	4.2	NE
20230225_1820	3.9	NE NE
20230225_1830 20230225_1840	4.4 3.3	NE NE
20230225_1850	3.3	NE NE
20230225 1900	4.2	NNE
20230225_1910	5	NE
20230225_1920	4.2	NNE
20230225_1930	2.5	NNE
20230225 1940 20230225 1950	2.8 3.3	NE NE
20230225_1950 20230225_2000	2.8	NE NE
20230225_2000	3.3	NE NE
20230225_2010	3.6	NNE
20230225 2030	4.4	NE
20230225_2040	2.5	NNE
20230225_2050	4.2	NNE
20230225_2100 20230225_2110	4.4 4.2	NNE NNE
20230225 2110	4.7	NNE
20230225 2130	4.2	NNE
20230225_2140	5	NNE
20230225_2150	4.4	NNE
20230225_2200	4.2	NNE
20230225 2210	4.4	NNE
20230225_2220	4.2 3.9	NNE NNE
20230225_2230 20230225_2240	3.9 4.4	NNE NNE
20230225_2240	5.3	NNE
20230225_2300	4.7	NNE
20230225_2310	4.2	NNE
20230225_2320	5.6	NNE
20230225_2330	5	NNE
20230225_2340 20230225_2350	4.7 5.3	NNE NNE
20230223_2330	J.J	ININE

Date & Time	Wind Speed (m/s)	Wind Direction (From)
(YYYYMMBB_HHMM)	3.9	
20230226_0000 20230226_0010	3.9	NNE NNE
20230226 0020	4.2	NNE
20230226 0020	4.2	NNE
20230226 0030	4.2	NNE
20230226_0040	3.6	N
20230226_0050 20230226_0100	3.3	NNE NNE
20230226 0110	3.9	NNE
20230226 0120	2.8	NNE
20230226_0130	3.9	NNE
20230226_0140	3.3	NNE
20230226_0150	3.3 3.6	NNE
20230226 0200 20230226 0210	3.3	NNE NNE
20230226 0220	3.1	NNE
20230226_0230	3.3	NNE
20230226_0240	3.1	NNE
20230226 0250	3.3	NNE
20230226_0300 20230226_0310	3.3	NNE NNE
20230226_0310	2.8	NNE
20230226 0330	2.8	NNE
20230226_0340	3.1	NNE
20230226_0350	3.3	NNE
20230226_0400	2.8	NNE
20230226 0410 20230226 0420	2.5 3.1	NNE NNE
20230226 0420	2.8	N N
20230226 0440	2.8	N
20230226_0450	2.8	N
20230226 0500	2.5	NNE
20230226_0510	2.5	N N
20230226 0520 20230226 0530	2.2 2.8	N N
20230226_0540	2.2	N
20230226 0550	2.8	N
20230226_0600	3.1	NNE
20230226_0610	3.3	NNE
20230226_0620 20230226_0630	3.3 4.2	N NNE
20230226_0030	3.3	NNE
20230226 0650	3.9	N
20230226_0700	3.3	NNE
20230226_0710	3.3	NNE
20230226_0720	3.3	NNE
20230226 0730 20230226 0740	3.6 3.3	N NNE
20230226_0740	3.1	NNE
20230226_0800	3.3	NNE
20230226_0810	2.8	NNE
20230226 0820	3.1	NNE
20230226 0830 20230226 0840	3.1 3.3	N N
20230226_0840	3.3	N N
20230226_0900	3.9	NNE
20230226 0910	4.4	N
20230226 0920	4.2	NNE
20230226_0930 20230226_0940	3.9 4.7	NNE NNE
20230226_0940	3.3	N N
20230226 1000	3.3	N
20230226_1010	4.2	N
20230226_1020	4.2	N
20230226_1030	4.7	NNE
20230226_1040 20230226_1050	4.2 3.9	N NNE
20230226_1100	3.1	NNE N
20230226_1110	3.1	N
20230226_1120	3.3	N
20230226_1130	4.2	NNE
20230226_1140	3.9	NNE
20230226_1150	4.7	NNE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230226_1200	5	NNE
20230226_1210	4.7	NNE
20230226_1220	4.2	NNE
20230226_1230	3.9	NNE
20230226_1240	3.1	N
20230226_1250	4.4	NNE
20230226_1300	4.7	NNE
20230226_1310	3.3	NNE
20230226 1320	4.2	N
20230226_1330	3.9	N
20230226_1340	4.2 3.3	NNE
20230226_1350	3.3	NNE
20230226 1400	2.8	NNE
20230226 1410 20230226 1420	2.5	NE
20230226_1420 20230226_1430	2.8 4.4	NNE
20230226_1430	3.6	NNE
20230226 1450	2.5	N N
20230226 1500	3.3	NNE
20230226 1510	2.5	N
20230226 1520	3.6	N
20230226_1530	2.5	NNE
20230226 1540	3.1	NNE
20230226 1550	3.3	NNE
20230226 1600	2.8	N
20230226_1610	3.3	NE
20230226_1620	3.3	ESE
20230226_1630	3.3	ESE
20230226_1640	3.3	ESE
20230226_1650	3.3	ESE
20230226_1700	3.3	ESE
20230226 1710	3.6	ESE
20230226_1720	4.2	ESE
20230226_1730	4.4	E
20230226_1740	4.2	E
20230226_1750	3.9 4.2	E
20230226 1800 20230226 1810	3.1	E ESE
20230226_1810 20230226_1820	2.8	ESE E
20230226 1830	2.8	ESE
20230226_1840	3.1	ESE
20230226_1850	2.8	ESE
20230226 1900	2.8	ESE
20230226 1910	3.1	SE
20230226_1920	3.3	ESE
20230226_1930	1.7	ESE
20230226_1940	1.4	ESE
20230226_1950	1.4	ESE
20230226_2000	1.1	ESE
20230226_2010	1.7	SE
20230226 2020	2.5 2.8	SSE
20230226_2030	2.8	SE
20230226_2040	2.2	SE SE
20230226_2050	1.9	SE
20230226_2100 20230226_2110	1.4 1.7	ESE
20230226 2110 20230226 2120	1.7	ESE ESE
20230226 2120	1.7	ESE ESE
20230226 2140	2.2	ESE
20230226_2150	2.8	ESE
20230226_2200	3.3	ESE
20230226 2210	4.4	ESE
20230226 2220	3.3	ESE
20230226 2230	2.8	ESE
20230226_2230 20230226_2240	2.8	ESE
20230226_2250	2.5 2.5	ESE
20230226_2300	2.5	ESE
20230226 2310	2.8	ESE
20230226_2320	2.8	ESE
20230226_2330	3.1	ESE
20230226_2340	2.5 3.3	ESE
20230226 2350	5.5	ESE

Date & Time		
(YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230227_0000	4.2	ESE
20230227_0010	3.3	ESE
20230227 0020	5	ESE
20230227_0020	5	ESE
20230227_0030	4.7	ESE
20230227_0040	4.4	ESE
20230227_0050	4.2	ESE
20230227 0100	3.3	ESE
20230227 0110 20230227 0120	3.9	ESE ESE
20230227 0120	3.3	ESE ESE
20230227_0130	3.3	ESE
20230227_0110	3.9	ESE
20230227 0200	3,9	ESE
20230227 0210	2.8	E
20230227_0220	1.9	Е
20230227_0230	1.1	Е
20230227 0240	0.3	-
20230227_0250	0.6	-
20230227_0300	0.6	WNW
20230227_0310	1.1	WNW
20230227 0320	1.1	NW
20230227_0330	0.3	- 177.1177
20230227_0340	0.6	WNW
20230227_0350	0.3	ESE
20230227_0400	0.3	ESE
20230227 0410 20230227 0420	1.4 1.4	E ESE
20230227 0430	1.7	ESE E
20230227_0430	1.4	ESE
20230227_0440	1.1	ESE
20230227_0190	1.7	ESE
20230227_0510	1.4	ESE
20230227_0520	0.8	SE
20230227 0530	0.8	SE
20230227 0540	0.8	ESE
20230227_0550	0.8	ESE
20230227_0600	0.6	SE
20230227_0610	0.8	ESE
20230227_0620	0.3	SW
20230227_0630	0.3	SE
20230227_0640	0.3	ESE
20230227_0650	0.6	SSW
20230227_0700 20230227_0710	0.8	S ESE
20230227_0710	0.6	ENE ENE
20230227_0720	0.5	N
20230227_0740	0.6	E
20230227 0750	0.8	ESE
20230227 0800	1.1	E
20230227 0810	1.4	ESE
20230227_0820	2.2	Е
20230227_0830	2.5	Е
20230227_0840	2.5	Е
20230227_0850	2.2	E
20230227_0900	3.3	E
20230227_0910	2.8	ESE
20230227_0920	3.3	E
20230227_0930	3.3	ESE
20230227_0940	3.9	E
20230227 0950	3.9	E
20230227 1000 20230227 1010	2.8 3.9	E ESE
20230227 1010	3.3	ESE ESE
20230227_1020	3.3	ESE
20230227 1040	3.3	ESE
20230227_1040	3.3	ESE
20230227_1030	3.3	ENE
20230227_1100	3.9	E
20230227_1120	2.8	ESE
20230227_1130	3.3	ESE
20230227_1140	4.2	ESE
20230227_1150	3.6	ESE

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230227 1200	3.6	ESE
20230227_1210	3.3	SE
20230227 1220	2.5	ESE
20230227 1230	3.3	E
20230227_1240	2.8	ESE
20230227_1250	2.8	E
20230227_1300 20230227_1310	2.5 1.4	E E
20230227_1310	1.4	SSW
20230227 1320	1.1	S
20230227 1340	2.2	SSE
20230227_1350	1.7	S
20230227_1400	1.7	-
20230227_1410	1.9	E
20230227_1420	1.9 1.9	ESE -
20230227_1430 20230227_1440	3.1	E E
20230227_1440	3.1	E
20230227 1430	4.2	ESE
20230227 1510	3.9	E
20230227_1520	3.3	ESE
20230227_1530	4.2 3.9	ESE
20230227_1540	3.9	E
20230227_1550 20230227_1600	3.9	E
20230227_1600 20230227_1610	3.9 4.2	E ESE
20230227_1010	4.7	E
20230227 1620	4.2	E
20230227 1640	4.2	Ē
20230227_1650	4.7	Е
20230227_1700	4.4	ESE
20230227_1710	4.2	ESE
20230227_1720 20230227_1730	3.1 3.9	ESE ESE
20230227_1730 20230227_1740	4.2	ESE
20230227_1750	3.9	ESE
20230227_1800	3.9	ESE
20230227_1810	3.3	ESE
20230227 1820	3.3	ESE
20230227_1830	2.8	ESE
20230227_1840	2.8 2.2	ESE ESE
20230227_1850 20230227_1900	1.4	ESE ESE
20230227 1910	2.5	ESE
20230227 1920	1.7	ESE
20230227_1930	1.4	ESE
20230227_1940	1.4	ESE
20230227_1950	1.4	ESE
20230227_2000 20230227_2010	1.7 1.4	E
	1.4	E ESE
20230227_2020 20230227_2030	1.1	ESE
20230227_2040	1.4	SE
20230227_2050	1.4	ESE
20230227_2100	1.4	ESE
20230227 2110	1.7	ESE
20230227_2120	1.1	ESE
20230227_2130 20230227_2140	1.7 2.5	SE SE
20230227_2140	1.4	ESE
20230227_2200		ESE
20230227_2200 20230227_2210	2.2 2.8	ESE
20230227_2220	2.8	SE
20230227_2230	3.3	ESE
20230227_2240	2.5	ESE
20230227 2250 20230227 2300	2.2 2.8	ESE
20230227 2300 20230227 2310	2.8	ESE SE
20230227 2320	2.2 2.2	SE SE
20230227_2330	2.8	SE
20230227_2340	2.8	SE
20230227_2350	2.2	ESE

Date & Time	Wind Cond (m/s)	Wind Direction (Forms)
(YYYYMMBB_HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230228_0000	2.8	SE
20230228_0010	3.3 3.3	SE
20230228 0020 20230228 0020	3.3	SE SE
20230228 0030	3.3	SE SE
20230228 0040	4.4	SE
20230228 0050	4.2	SE
20230228 0100	2.8	SE
20230228 0110	0.8	ESE
20230228 0120	1.1	Е
20230228_0130	1.1	- OF
20230228_0140	1.1	SE
20230228 0150 20230228 0200	0.8	ENE
20230228 0210	1.1 1.4	ENE ENE
20230228 0220	1.7	ENE
20230228 0230	1.4	E
20230228 0240	1.4	Е
20230228 0250	1.4	Е
20230228_0300	0.8	ESE
20230228_0310	1.1	SE
20230228 0320	1.1	ESE
20230228_0330	0.8	ESE
20230228_0340 20230228_0350	0.8 0.8	ESE ESE
20230228_0300	1.4	ENE
20230228_0410	1.1	ENE
20230228 0420	0.8	E
20230228 0430	0.8	ESE
20230228_0440	0.6	ESE
20230228_0450	0.3	ESE
20230228 0500	0.3	ESE
20230228 0510	0.8	SE
20230228_0520	0.8	SE
20230228_0530 20230228_0540	1.1 2.2	ESE ESE
20230228_0550	1.4	SE
20230228 0600	1.7	ESE
20230228 0610	0.6	ESE
20230228_0620	1.1	ESE
20230228_0630	1.1	Е
20230228 0640	0.8	ENE
20230228_0650	0.8	E
20230228_0700 20230228_0710	1.4 1.1	E E
20230228_0710	1.7	ESE
20230228 0730	1.4	ESE
20230228 0740	1.1	Е
20230228_0750	1.4	ESE
20230228_0800	1.1	ENE
20230228 0810	1.4	SE
20230228 0820	2.5	SE
20230228_0830 20230228_0840	2.8 2.5	SE SE
20230228_0850	2.8	E
20230228 0900	2.5	ESE
20230228 0910	2.5	ESE
20230228_0920	2.5	Е
20230228_0930	3.1	Е
20230228_0940	2.5	Е
20230228 0950	3.3	E
20230228_1000	3.3	E
20230228_1010 20230228_1020	3.3 2.8	<u>Е</u> Е
20230228_1020	4.0	
20230228_1040		H
20230228 1050	3.3	E E
	3.3 3.1	Е
20230228_1100	3.3	
20230228_1110	3.3 3.1 4.2 3.9 3.1	E E
20230228_1110 20230228_1120	3.3 3.1 4.2 3.9 3.1 3.3	E E E E E
20230228_1110 20230228_1120 20230228_1130	3.3 3.1 4.2 3.9 3.1 3.3 3.3	E E E E E
20230228_1110 20230228_1120	3.3 3.1 4.2 3.9 3.1 3.3	E E E E E

Date & Time (YYYYMMBB HHMM)	Wind Speed (m/s)	Wind Direction (From)
20230228_1200	3.9	ESE
20230228_1210	4.4	SE
20230228_1220	3.9	ESE
20230228_1230	4.2	ESE
20230228_1240	3.9	ESE
20230228_1250	3.9	ESE
20230228_1300	3.1	ESE
20230228 1310	3.3	E
20230228_1320	3.1	E
20230228_1330	2.5 2.5	ESE
20230228_1340 20230228_1350	2.3	ESE SSE
20230228_1330	3.1	E
20230228 1410	2.8	SE
20230228 1420		ESE
20230228 1430	2.8 3.3	E
20230228 1440	3.3	E
20230228 1450	2.8	E
20230228 1500	2.8	ESE
20230228_1510	2.8	E
20230228_1520	2.8	Е
20230228_1530	3.3	ESE
20230228_1540	3.3	ENE
20230228_1550	3.3	Е
20230228_1600	3.6	E
20230228_1610	3.3	E
20230228_1620	3.1	ESE
20230228 1630	3.3	ESE
20230228 1640 20230228 1650	3.6	E
20230228_1650 20230228_1700	3.9 3.3	E E
20230228_1700	3.9	<u>Е</u> Е
20230228 1710	3.3	ESE
20230228 1730	3.6	E
20230228_1740	3.9	ESE
20230228_1750	3.9	ESE
20230228 1800	3.3	ESE
20230228_1810	3.1	ESE
20230228_1820	2.8	ESE
20230228_1830	1.7	ESE
20230228_1840	1.7	ESE
20230228_1850	1.7	ESE
20230228_1900	1.4	SE
20230228 1910	1.1	ESE
20230228_1920 20230228_1930	1.1	S ESE
20230228 1940	1.1 1.7	SE SE
20230228 1950	1.4	SE
20230228 2000	1.4	SSE
20230228_2000	1.1	SSE
20230228_2010	1.1	SSE
20230228 2030	1.1	SSE
20230228 2040	0.8	SSE
20230228_2050	1.4	SSE
20230228_2100	0.8	SW
20230228_2110	1.1	S
20230228_2120	0.8	SSE
20230228_2130	0.3	SW
20230228_2140	0.3	S
20230228_2150	0	N
20230228_2200	1.9 1.1	SE E
20230228 2210 20230228 2220	1.7	ESE
20230228 2220	1.4	ESE ESE
20230228 2240	1.4	SE
20230228_2240	1.7	SE
20230228 2300	0.8	SE
20230228_2310	0.8	ESE
20230228_2320	1.1	SE
20230228_2330	1.1	SE
20230228 2340	0.8	SE
20230228 2350	0.8	SE

Appendix I Waste Flow Table

Waste Flow Table

	Total	Total Quan	tities of Iner	t C&D Materia the Contract	als to be Gend	erated from	Total Quantities of Recyclables Generation			Total Quantities of C&D Materials to be Generated from the Contract		
Month	Quantity onth 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	Chemical Waste	Others, e.g. general refuse & 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)
Dec-22	384.77	300	0	0	0	0	0	0	0	11.49	0	73.28
Jan-23	15.38	0	0	0	0	0	0	0	0	0	0	15.38
Feb-23	503.29	0	0	0	0	0	0	0	0	3.16	0	503.29
Total	903.44	300	0	0	0	0	0	0	0	14.65	0	591.95

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. A total of 300 tonnes of hard rock and large broken concrete was generated from the contract in Dec 2022. Due to the hard rock and large broken concrete was stored in the project site, the contractor had not yet reused in the contract during reporting period. Therefore, the quantities do not count in "Reused in the Contract" between Dec-22 & Jan-23.
- 3. Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

Appendix J Joint Environmental Site Inspection Records

Inspection Date:	1 February 2023	Inspected By:	Jason Man, Andy Ng						
Time:	14:00	Weather Condition:	Sunny						
Participants:	Participants: Henry Lau (ER), Kristy Wong (Contractor), Jason Man (ET), Andy Ng (ET)								

Α	Permits/Licenses	N/A or Not Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		\boxtimes		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		\boxtimes		CNP No: GW-RN0824-22 GW-RN1151-22
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		

В	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo	
B1	Is open burning avoided?		\boxtimes			
B2	Are completed earthworks sealed as soon as practicable?	\boxtimes			N/A	
В3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		\boxtimes			
B4	Any remedial action undertaken?	\boxtimes			N/A	
B5	Observed dust source(s)					
		☑ Wind eros	sion			
		Vehicle/ Equipment Movements				
		Loading/	unloading	of materi	als	
		Others:				
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?			\boxtimes	Refer to Reminder 1	
В7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?			\boxtimes	Refer to Reminder 2	
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?	\boxtimes			N/A	
B9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or traffic cones?		\boxtimes			

B10	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?	\boxtimes			Not Observed
B11	Are wheel washing facilities with high pressure	П		\boxtimes	Refer to
	water jet provided at all site exits if practicable?				Observation 1
B12	Are all vehicles and plant cleaned before they			\boxtimes	Refer to
	leave the construction site?				Observation 1
B13	Are hoarding ≥ 2.4m tall provided beside roads or	\boxtimes			N/A
	area with public access?				14/71
B14	Is the portion of any road leading only to			\boxtimes	Refer to
	construction site (within 30m of a vehicle entrance				Observation 1
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven	\boxtimes			
	drilling, cutting, polishing or other mechanical				
	breaking operations takes place sprayed with				Not Observed
	water or a dust suppression chemical				
DAC	continuously?				
B16	Is the area involved demolition activities sprayed	\boxtimes			
	with water or a dust suppression chemical				N/A
	immediately prior to, during and immediately after the activities so as to maintain the entire surface				IN/A
	wet?				
B17	Is scaffolding erected around the perimeter of a				
D17	building under construction?	\boxtimes		Ш	N/A
B18	Are effective dust screens, sheeting or netting				
5.0	provided to enclose the scaffolding from the	\boxtimes			
	ground floor level of the building, or a canopy				N/A
	provided from the first floor level up to the highest				,
	level of the scaffolding?				
B19	Is the skip for materials transport enclosed by	\boxtimes			A1/A
	impervious sheeting?			Ш	N/A
B20	Is every stock of more than 20 bags of cement or	\boxtimes			
	dry pulverized fuel ash (PFA) covered entirely by				Not Observed
	impervious sheeting or placed in an area sheltered				Not Observed
	on the top and 3 sides?				
B21	Are the areas of washing facilities and the road			\boxtimes	
	section between the washing facilities and the exit				Refer to
	point paved with concrete, bituminous materials or				Observation 1
	hardcores?				
B22	Are the activities of loading, unloading, transfer,	\boxtimes			
	handing or storage of bulk cement or dry PFA				N/A
Doo	carried out in a totally enclosed system or facility?				
B23	Is any vent or exhaust fitted with an effective fabric	\boxtimes			N/A
B24	filter or equipment air pollution control system?				
			<u> </u>		
D24	Is the exposed earth properly treated by	\boxtimes			
D24	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation	\boxtimes			
D24	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen,	\boxtimes			N/Δ
D24	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	\boxtimes			N/A
D24	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the				N/A
D24	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				N/A
	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				
B25	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				N/A Refer to Reminder 3
	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				Refer to
B25	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				Refer to
B25	Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or				Refer to

B28	Are appropriate speed limit sign displayed?		\boxtimes		
B29	Are designated roads paved?		\boxtimes		
8/B30	Are site vehicle movements confined to designated roads?		\boxtimes		
B31	Are NRMM labels properly affixed on the PMEs?		\boxtimes		
С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo
C1	Is well-maintained plant operated on-site and plant served regularly?		\boxtimes		
C2	Are vehicles and equipment switched off or throttled down while not in use?		\boxtimes		
C3	Is the noise directed away from nearby NSRs?		\boxtimes		
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	\boxtimes			N/A
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		\boxtimes		
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	\boxtimes			N/A
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	\boxtimes			N/A
C8	Are noise barriers (typically density @14kg/m²) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	\boxtimes			N/A
C9	Is the sequencing operation of construction plants where practicable?		\boxtimes		
C10	Is the hoarding maintained properly?	\boxtimes			N/A
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	\boxtimes			N/A
C12	Are compressor operated with doors closed?	\boxtimes			N/A
C13	QPME used with valid noise labels?		\boxtimes		
C14	Major noise source(s)				
		Traffic			
		Construct	ion activitie	es inside	of site
		Construct	ion activitie	es outsid	e of site
		Others: N	ot observe	<u>ed</u>	

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Consti	ruction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		×		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		\boxtimes		
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?	\boxtimes			Not Observed
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		\boxtimes		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		\boxtimes		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		\boxtimes		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?	\boxtimes			N/A
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	×			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?		\boxtimes		
D10	Have the overall slope of the site should be kept a minimum?		\boxtimes		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		\boxtimes		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		\boxtimes		
D13	Are the silt removal facilities, channels and manholes maintained regularly?		\boxtimes		
D14	Is the deposited silt and grit removed regularly?		\boxtimes		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	\boxtimes			N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	\boxtimes			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m³ on site covered with tarpaulin or similar fabric during rainstorms?	\boxtimes			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		\boxtimes		
D19	Are the discharges of surface run-off into foul sewer always prevented?		\boxtimes		

D20	Is a wheel washing bay provided at every site exit?			\boxtimes	Refer to Observation 1
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?			\boxtimes	Refer to Observation 1
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?			\boxtimes	Refer to Observation 1
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?	\boxtimes			Not Observed
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		\boxtimes		
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		\boxtimes		
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		\boxtimes		
D27	Are portable chemical toilets and sewage holding tanks provided?		\boxtimes		
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		\boxtimes		
D29	Is there any sediment plume observed in nearby watercourses?	\boxtimes			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	\boxtimes			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	\boxtimes			N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	\boxtimes			N/A
E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
Genera	al Waste				
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?		\boxtimes		

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

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

E27	Is chemical waste or waste oil stored and labelled in English and Chinese properly in designated area?	\boxtimes			Not Observed
E28	Are chemicals and waste oil recycled or disposed properly?	\boxtimes			Not Observed
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?		\boxtimes		
Record	d <u>s</u>				
E30	Is a licensed waste hauler used for waste collection?		\boxtimes		
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		\boxtimes		
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	\boxtimes			N/A
F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	\boxtimes			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?	\boxtimes			Not Observed
F3	Is no smoking or burning permitted on-site?	\boxtimes			Not Observed
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?	\boxtimes			Not Observed
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	\boxtimes			Not Observed
F6	Is adequate fire fighting equipment provided onsite?	\boxtimes			Not Observed
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	\boxtimes			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use onsite?	\boxtimes			Not Observed
F9	Is 'Permit to Work' system implemented?		\boxtimes		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?	×			Not Observed
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	\boxtimes			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	\boxtimes			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	\boxtimes			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	\boxtimes			Not Observed

F12	Is frequency and location of LFG monitoring within excavation area determined prior to commencement of works? *LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.			Not Observed
F13	For excavation works, Is LFG monitoring conducted (1) at ground surface prior to excavation, (2) immediately before workers entering excavations, (3) at the beginning of each half-day work, and (4) periodically throughout the working day when workers are in the excavation?			Not Observed
F14	Are LFG monitoring 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.			Not Observed
F15a	Are LFG precautionary measures involved in excavation and piping works provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase?			Not Observed
F15b	Are temporary offices or buildings located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm?	\boxtimes		Not Observed
F16	Is a Safety Officer trained in the use of gas detection equipment and LFG- related hazards present on-site throughout the groundwork phase? *The Safety Officer should be provided with an intrinsically safe portable instrument appropriately calibrated and capable of measuring the following gases: •CH ₄ : 0-100% and LEL: 0-100%/v •CO ₂ : 0-100% •O ₂ : 0-21%			Not Observed
F17a	Periodically during groundwork construction, Is the works area monitored for CH ₄ CO ₂ and O ₂ using appropriately calibrated portable gas detection equipment? *The monitoring frequency and areas should be established prior to commencement of groundwork either by Safety Officer or appropriately qualified person.			Not Observed
F17b	Is routine monitoring carried out in all excavations, manholes, created by temporary storage of building materials on-site?	\boxtimes		Not Observed
F17c	Are all measurements in excavations made with monitoring tube located not more than 10mm from exposed ground surface?	\boxtimes		Not Observed
F18	For excavations deeper than 1m, are measurements conducted? • At ground surface before excavation commences;	\boxtimes		Not Observed

	 Immediately before any worker enters the excavation; At the beginning of each working day for entire period the excavation remains open; and Periodically throughout the working day whilst workers are in excavation. 				
F19	For excavations between 300mm and 1m, are measurements conducted? Directly after excavation has been completed; and Periodic all whilst excavation remains open.				Not Observed
F20	For excavations less than 300mm, are monitoring omitted at the discretion of Safety Officer or appropriately qualified person?				Not Observed
		N/A or Not			
G	Landscape and Visual Impacts	Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?		\boxtimes		
G2	Is damage to surrounding areas avoided?		\boxtimes		
G3	Are the protective fencing erected along or beyond the perimeter of the tree protection zone of each individual tree?	\boxtimes			Not Observed
G4	Is early planting using fast growing plants at strategic locations within site implemented?	\boxtimes			N/A
G5	Is boundary green belt planting implemented around the site perimeter and the construction of temporary soil bunds?	\boxtimes			N/A
G6	Is temporary landscape treatment as green surface cover implemented?	\boxtimes			N/A
G7	Are existing and affected tree which identified as ecological significant preserved whenever possible?				Not Observed
Н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?				Not Observed
ı	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
I1	Environmental Complaint received during this week?			\boxtimes	
		NI/A - Ni-1			
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 vehicle washing bay in Portion A has been repaved.

Observation(s):

1. Vehicle washing shall be implemented in SBA.

Reminder(s):

- 1. The unpaved area in Portion D is dry and dusty.
- 2. The open stockpiles in SBA are not covered with impervious sheets.
- 3. The work area in Portion A is dry and fugitive dust is observed.
- 4. The plant equipment in SBA is placed on the ground without impervious sheets.

<u>Corrective Actions – Mitigation Measures Implemented or Proposed (if any):</u>

- 1. The Contractor has been reminded to provide vehicle washing facility at the exit of SBA.
- 2. The Contractor has been recommended to increase the frequency of watering to the unpaved area in Portion D and work area in Portion A.
- 3. The Contractor has been reminded to cover the stockpile with impervious sheets.
- 4. Plant equipment shall be placed on the impervious sheets.

(Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:	M	1	Comos	Ho
Name:	Andy Na	1	Williams	Sylvia Ho.
Date:	1 February 2023	1	(Feb23	1 Feb 2023

PART I Follow-up status of the previous site inspection

Observation and Recommendation



1.Plant equipment was placed on the ground without impervious sheets in SBA.

Follow-up status



The hydraulic breaker was removed in SBA.



2. The vehicle washing bay was not maintained properly in Portion A.



The vehicle washing bay in Portion A has been repaved.

Observation and Recommendation



3.Sand and silt were accumulated in the channel of the vehicle washing bay in Portion A.

Follow-up status



The channel of vehicle washing bay has been cleared.





4. Dusty stockpiles were not covered with impervious sheets in SBA.



The dusty stockpiles have been covered with impervious sheets in SBA.

Observation and Recommendation



5.Oil stains were observed under the excavator in Portion D.

Follow-up status



Oil stains were cleared and disposed of as chemical waste.



6. The exposed earth was dry and dusty in Portion D.



The exposed earth was paved to prevent dust dispersion.



7.Water spray or dust suppression chemical shall be provided during mechanical breaking operation in SBA.



The breaking works were stopped and the mitigation measure was reminded to workers when conducting the breaking works.

PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation Follow-up status 1. Vehicle washing shall be implemented in SBA. 2. The unpaved area in Portion D is dry and dusty. 3. The open stockpiles in SBA are not covered with impervious sheets.





4. The work area in Portion A is dry and fugitive dust is observed.



5. The plant equipment in SBA is placed on the ground without impervious sheets.

Inspection Date:	6 February 2023	Inspected By:		Andy Ng			
Time:	14:00	Weather Condition:			Sunny		
Participants: Jackie Tam (ER), Kristy Wong (Contractor), Andy Ng (ET)							
A Pormits/I	consos	N/A or Not	Voc	No	Pomarks / Photo		

Α	Permits/Licenses	N/A or Not	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit	Observed			EP No.:
	displayed at major site exit and vehicle access?		\boxtimes		EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		\boxtimes		CNP No: GW-RN0824-22 GW-RN1151-22
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		
		1			
В	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?		\boxtimes		
B2	Are completed earthworks sealed as soon as practicable?	\boxtimes			N/A
В3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		\boxtimes		
B4	Any remedial action undertaken?	\boxtimes			N/A
B5	Observed dust source(s)			•	
		☑ Wind ero	sion		
		☐ Vehicle/	Equipment	t Moveme	ents
		☐ Loading/	unloading	of materi	als
		Others: _			
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?			\boxtimes	Refer to Observation 1
В7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?				N/A
В9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or traffic cones?		\boxtimes		

B10	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?		\boxtimes		
B11	Are wheel washing facilities with high pressure				
	water jet provided at all site exits if practicable?				
B12	Are all vehicles and plant cleaned before they				
	leave the construction site?				
B13	Are hoarding ≥ 2.4m tall provided beside roads or	\boxtimes			NI/A
	area with public access?				N/A
B14	Is the portion of any road leading only to		\boxtimes		
	construction site (within 30m of a vehicle entrance	Ш			
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven				
	drilling, cutting, polishing or other mechanical	\boxtimes			
	breaking operations takes place sprayed with				Not Observed
	water or a dust suppression chemical				
	continuously?				
B16	Is the area involved demolition activities sprayed				
5.0	with water or a dust suppression chemical	\boxtimes	Ш	ΙШ	
	immediately prior to, during and immediately after				N/A
	the activities so as to maintain the entire surface				14//
	wet?				
B17	Is scaffolding erected around the perimeter of a				
517	building under construction?	\boxtimes			N/A
B18	Are effective dust screens, sheeting or netting				
D10	provided to enclose the scaffolding from the	\boxtimes		Ш	
	ground floor level of the building, or a canopy				N/A
	1 -				IN/A
	provided from the first floor level up to the highest				
	level of the scaffolding?				
D40	la de a alcia fan aradaniala daraman ada arada a al las.				
B19	Is the skip for materials transport enclosed by	\boxtimes			N/A
	impervious sheeting?				N/A
B19 B20	impervious sheeting? Is every stock of more than 20 bags of cement or	\boxtimes			N/A
	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by				N/A Not Observed
	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered				
B20	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides?				
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B20	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA				
B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?				Not Observed
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B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system?				Not Observed
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B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen,				Not Observed N/A N/A
B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? 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				Not Observed
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B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				Not Observed N/A N/A
B21 B22 B23 B24	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				Not Observed N/A N/A N/A
B20 B21 B22	impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				Not Observed N/A N/A N/A Refer to
B21 B22 B23 B24	Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				Not Observed N/A N/A N/A Refer to Observation 1
B21 B22 B23 B24	Impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				Not Observed N/A N/A N/A Refer to Observation 1 Refer to
B21 B22 B23 B24 B25 B26	Impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or unloading?				Not Observed N/A N/A N/A Refer to Observation 1
B21 B22 B23 B24	Impervious sheeting? Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by impervious sheeting or placed in an area sheltered on the top and 3 sides? Are the areas of washing facilities and the road section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				Not Observed N/A N/A N/A Refer to Observation 1 Refer to

B28	Are appropriate speed limit sign displayed?		\boxtimes			
B29	Are designated roads paved?		\boxtimes			
8/B30	Are site vehicle movements confined to designated roads?		\boxtimes			
B31	Are NRMM labels properly affixed on the PMEs?		\boxtimes			
С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo	
C1	Is well-maintained plant operated on-site and plant served regularly?		\boxtimes			
C2	Are vehicles and equipment switched off or throttled down while not in use?		\boxtimes			
C3	Is the noise directed away from nearby NSRs?		\boxtimes			
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	\boxtimes			N/A	
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		\boxtimes			
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	\boxtimes			N/A	
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	\boxtimes			N/A	
C8	Are noise barriers (typically density @14kg/m²) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	×			N/A	
C9	Is the sequencing operation of construction plants where practicable?		\boxtimes			
C10	Is the hoarding maintained properly?	\boxtimes			N/A	
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	\boxtimes			N/A	
C12	Are compressor operated with doors closed?	\boxtimes			N/A	
C13	QPME used with valid noise labels?		\boxtimes			
C14	Major noise source(s)			,		
		☐ Traffic				
		Construction activities inside of site				
		Constructi	on activitie	es outsid	e of site	
		Others: Not observed				

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Consti	ruction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		\boxtimes		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?			\boxtimes	Refer to Observation 2
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?	\boxtimes			Not Observed
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		\boxtimes		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		\boxtimes		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		\boxtimes		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?	\boxtimes			N/A
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	\boxtimes			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?		\boxtimes		
D10	Have the overall slope of the site should be kept a minimum?		\boxtimes		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		\boxtimes		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		\boxtimes		
D13	Are the silt removal facilities, channels and manholes maintained regularly?		\boxtimes		
D14	Is the deposited silt and grit removed regularly?		\boxtimes		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	\boxtimes			N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	\boxtimes			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m³ on site covered with tarpaulin or similar fabric during rainstorms?	\boxtimes			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		\boxtimes		
D19	Are the discharges of surface run-off into foul sewer always prevented?		\boxtimes		

D20	Is a wheel washing bay provided at every site exit?		\boxtimes		
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		\boxtimes		
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?		\boxtimes		
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?			\boxtimes	Refer to Reminder 2
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		\boxtimes		Refer to Observation 2
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		\boxtimes		Refer to Observation 2
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		\boxtimes		
D27	Are portable chemical toilets and sewage holding tanks provided?		\boxtimes		
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		\boxtimes		
D29	Is there any sediment plume observed in nearby watercourses?	\boxtimes			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	\boxtimes			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	\boxtimes			N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	\boxtimes			N/A
E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
Genera	al Waste				
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?		\boxtimes		
E2	Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.?		\boxtimes		
E3	Does accumulation of waste avoid?		\boxtimes		
E4	Is waste disposed regularly?		\boxtimes		
E5	Regular waste collection by approved waste collector in purpose-built vehicles?		\boxtimes		
E6	Burning of refuse on construction site prohibited?		\boxtimes		

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

E27	Is chemical waste or waste oil stored and labelled in English and Chinese properly in designated area?	\boxtimes			Not Observed
E28	Are chemicals and waste oil recycled or disposed properly?	\boxtimes			Not Observed
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?		\boxtimes		
Record	<u>ds</u>				
E30	Is a licensed waste hauler used for waste collection?		\boxtimes		
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		\boxtimes		
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	\boxtimes			N/A
F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	\boxtimes			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?	\boxtimes			Not Observed
F3	Is no smoking or burning permitted on-site?	\boxtimes			Not Observed
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?	\boxtimes			Not Observed
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	\boxtimes			Not Observed
F6	Is adequate fire fighting equipment provided onsite?	\boxtimes			Not Observed
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	\boxtimes			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use onsite?				Not Observed
F9	Is 'Permit to Work' system implemented?		\boxtimes		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?				Not Observed
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	\boxtimes			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	\boxtimes			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	\boxtimes			Not Observed
F11d	Is forced ventilation implemented for works inside	\boxtimes			Not Observed

F12	Is frequency and location of LFG monitoring within				
	excavation area determined prior to			$ \sqcup $	
	commencement of works?				
	COMMISSION OF WORKS:				Not Observed
	*LFG monitoring in excavations should be				NOT ODSELVED
	conducted at no more than 10mm from exposed				
	ground surface.				
F13					
ГІЗ	For excavation works, Is LFG monitoring				
	conducted (1) at ground surface prior to				
	excavation, (2) immediately before workers				Not Observed
	entering excavations, (3) at the beginning of each				
	half-day work, and (4) periodically throughout the				
	working day when workers are in the excavation?				
F14	Are LFG monitoring conducted periodically when				
	any cracks on ground level encountered on-site?				
					Not Observed
	*Appropriate action should be taken in accordance				
	with the action plan in Table 7.6 of EIA Report.				
F15a	Are LFG precautionary measures involved in	\boxtimes			
	excavation and piping works provided in				Not Observed
	accordance with LFG Guidance Note and included				Not Observed
	in Safety Plan of construction phase?				
F15b	Are temporary offices or buildings located where				
	free LFG has been proven or raised clear of				
	ground at a separation distance of at least				Not Observed
	500mm?				
F16	Is a Safety Officer trained in the use of gas				
	detection equipment and LFG- related hazards				
	present on-site throughout the groundwork phase?				
	programment phase.				
	*The Safety Officer should be provided with an				
	intrinsically safe portable instrument appropriately				Not Observed
	calibrated and capable of measuring the following				140t Obscived
	gases:				
	•CH ₄ : 0-100% and LEL: 0-100%/v				
	•CO ₂ : 0-100%				
	•O ₂ : 0-100%				
E170					
F17a	Periodically during groundwork construction, Is the				
	works area monitored for CH ₄ CO ₂ and O ₂ using				
	appropriately calibrated portable gas detection				
	equipment?				Net Object
	*The week to the other for				Not Observed
	*The monitoring frequency and areas should be				
	established prior to commencement of groundwork				
	either by Safety Officer or appropriately qualified				
	person.				
F17b	Is routine monitoring carried out in all excavations,	\boxtimes			
	manholes, created by temporary storage of				Not Observed
	building materials on-site?				
F17c	Are all measurements in excavations made with				
	monitoring tube located not more than 10mm from				Not Observed
	exposed ground surface?				
F18	For excavations deeper than 1m, are	\boxtimes			
	measurements conducted?				Not Observed
	At ground surface before excavation				INOLODSEIVEU
1	commences;				

	Immediately before any worker enters the				
	excavation;				
	At the beginning of each working day for				
	entire period the excavation remains open;				
	and				
	Periodically throughout the working day whilst				
	workers are in excavation.				
F19	For excavations between 300mm and 1m, are				
	measurements conducted?				
	Directly after excavation has been completed;				Not Observed
	and				
	Periodic all whilst excavation remains open.				
F20	For excavations less than 300mm, are monitoring	\boxtimes			
	omitted at the discretion of Safety Officer or	_			Not Observed
	appropriately qualified person?				
		N/A or Not			
G	Landscape and Visual Impacts	Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?				
•				⊔	
G2	Is damage to surrounding areas avoided?		\boxtimes		
G3	Are the protective fencing erected along or beyond	\boxtimes			
	the perimeter of the tree protection zone of each	_		_	Not Observed
	individual tree?				
G4	Is early planting using fast growing plants at	\boxtimes			N/A
	strategic locations within site implemented?				
G5	Is boundary green belt planting implemented	\boxtimes			
	around the site perimeter and the construction of				N/A
	temporary soil bunds?				
G6	Is temporary landscape treatment as green surface	\boxtimes			N/A
	cover implemented?	1			
G7	Are existing and affected tree which identified as	\boxtimes			No. 4 Observed
	ecological significant preserved whenever				Not Observed
	possible?				
	Factoria	N/A or Not	V	NI-	Damania / Disata
Н	Ecology	Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species	\boxtimes			
	implemented? Is post-transplantation maintained				Not Observed
	and monitored regularly?				
			•		
		N/A or Not			
1	Environmental Complaint	Observed	Yes	No	Remarks / Photo
l1		Observed		5-3	
' '	Environmental Complaint received during this			\boxtimes	
	week?				
		N/A or Not	.,		
J	General Housekeeping / Others	Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas				
	identified to prevent loss of vegetation			🗀	
J2	Are the portable toilets maintained in a state, which		\boxtimes		
	will not deter the workers from utilizing these				
	portable toilets?				

Follow up action for previous Site Inspection:

- 1. The hydraulic breaker was removed in SBA.
- 2. The channel of vehicle washing bay has been cleared.
- 3. The dusty stockpiles have been covered with impervious sheets in SBA.

Observation(s):

1. Fugitive dust is observed in Portion A and D.

Reminder(s):

2. Sand and silt shall be regularly removed from the sump pit in the vehicle washing bay in Portion A.

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

- 1. The Contractor has been reminded to increase the frequently of watering unpaved area and work area or other dust suppression method in Portion A and D to minimize dust dispersion.
- 2. The Contractor has been reminded to remove sand and silt in the sump pit and the channel at the vehicle washing bay regularly.

(Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:	1	1	20a Mars	Ho.
Name:	Andy Ng	1	William Wan	Sylvia Ho
Date:	6 February 2023	I	6 February 2023	6 February 2023

PART I Follow-up status of the previous site inspection

Observation and Recommendation





1.Plant equipment was placed on the ground without impervious sheets in SBA.



The hydraulic breaker was removed in SBA.



2.Sand and silt were accumulated in the channel of the vehicle washing bay in Portion A.



The channel of vehicle washing bay has been cleared.





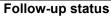
3. Dusty stockpiles were not covered with impervious sheets in SBA.



The dusty stockpiles have been covered with impervious sheets in SBA.



4.Oil stains were observed under the excavator in Portion D.





Oil stains were cleared and disposed of as chemical waste.





5.The exposed earth was dry and dusty in Portion D.



The exposed earth was paved to prevent dust dispersion.



6. Water spray or dust suppression chemical shall be provided during mechanical breaking operation in SBA.



The breaking works were stopped and the mitigation measure was reminded to workers when conducting the breaking works.



7. Vehicle washing shall be implemented in SBA.



The vehicle washing were implemented in SBA.



8. The work area in Portion A was dry and fugitive dust was observed.



The Frequently of watering work area were increased in Portion A.

PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation Follow-up status 1. Fugitive dust is observed in Portion A and D.



2. Sand and silt shall be regularly removed from the sump pit in the vehicle washing bay in Portion A.

Inspection Date:	13 February 2023	Inspected By:	Jason Man		
Time:	14:00	Weather Condition:	Hazy		
Participants: Jackie Tam (ER), Kristy Wong (Contractor), Andy Ng (ET)					

		N/A or Not			
Α	Permits/Licenses	Observed	Yes	No	Remarks / Photo
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		\boxtimes		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		\boxtimes		CNP No: GW-RN0824-22 GW-RN1151-22
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	Voc	No	Bomarka / Bhota

		N/A or Not			
В	Air Quality	Observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?		\boxtimes		
B2	Are completed earthworks sealed as soon as practicable?	\boxtimes			N/A
В3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		\boxtimes		
B4	Any remedial action undertaken?	\boxtimes			N/A
B5	Observed dust source(s)				
		⊠ Wind ero	sion		
		Vehicle/ Equipment Movements			
		Loading/ unloading of materials			
		Others:			
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?			\boxtimes	Refer to Reminder 1
В7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?				
В9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or traffic cones?		\boxtimes		

B10	Are loaded dump trucks covered by impervious		\boxtimes		
	sheeting appropriately before leaving the site?				
B11	Are wheel washing facilities with high pressure water jet provided at all site exits if practicable?				
B12	Are all vehicles and plant cleaned before they				
	leave the construction site?				
B13	Are hoarding ≥ 2.4m tall provided beside roads or				
	area with public access?				N/A
B14	Is the portion of any road leading only to		\boxtimes		
	construction site (within 30m of a vehicle entrance				
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven				
510	drilling, cutting, polishing or other mechanical	\boxtimes			
	breaking operations takes place sprayed with				Not Observed
					Not Observed
	water or a dust suppression chemical				
D.10	continuously?				
B16	Is the area involved demolition activities sprayed	\boxtimes			
	with water or a dust suppression chemical				
	immediately prior to, during and immediately after				N/A
	the activities so as to maintain the entire surface				
	wet?				
B17	Is scaffolding erected around the perimeter of a	\boxtimes			N/A
	building under construction?				IN/A
B18	Are effective dust screens, sheeting or netting	\boxtimes			
	provided to enclose the scaffolding from the				
	ground floor level of the building, or a canopy				N/A
	provided from the first floor level up to the highest				
	level of the scaffolding?				
B19	Is the skip for materials transport enclosed by	\boxtimes			NI/A
	impervious sheeting?				N/A
B20	Is every stock of more than 20 bags of cement or	\boxtimes			
	dry pulverized fuel ash (PFA) covered entirely by				
	impervious sheeting or placed in an area sheltered				Not Observed
	on the top and 3 sides?				
B21	Are the areas of washing facilities and the road				
	section between the washing facilities and the exit				
	point paved with concrete, bituminous materials or				
	hardcores?				
B22	Are the activities of loading, unloading, transfer,				
522	handing or storage of bulk cement or dry PFA	\boxtimes			N/A
	carried out in a totally enclosed system or facility?				147.
B23	Is any vent or exhaust fitted with an effective fabric				
520	filter or equipment air pollution control system?				N/A
B24	Is the exposed earth properly treated by				
:					
				Ш	
	compaction, turfing, hydroseeding, vegetation				
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen,				N/A
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within				N/A
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the				N/A
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				N/A
B25	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				
B25	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				Refer to
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				Refer to Observation 1
B25 B26	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or				Refer to
B26	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or unloading?				Refer to Observation 1 Refer to
	compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or				Refer to Observation 1 Refer to

B28	Are appropriate speed limit sign displayed?		\boxtimes			
B29	Are designated roads paved?		\boxtimes			
8/B30	Are site vehicle movements confined to designated roads?		\boxtimes			
B31	Are NRMM labels properly affixed on the PMEs?		\boxtimes			
С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo	
C1	Is well-maintained plant operated on-site and plant served regularly?		\boxtimes			
C2	Are vehicles and equipment switched off or throttled down while not in use?		\boxtimes			
С3	Is the noise directed away from nearby NSRs?		\boxtimes			
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	\boxtimes			N/A	
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		\boxtimes			
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	\boxtimes			N/A	
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	×			N/A	
C8	Are noise barriers (typically density @14kg/m²) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	\boxtimes			N/A	
C9	Is the sequencing operation of construction plants where practicable?		\boxtimes			
C10	Is the hoarding maintained properly?	\boxtimes			N/A	
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	\boxtimes			N/A	
C12	Are compressor operated with doors closed?	\boxtimes			N/A	
C13	QPME used with valid noise labels?		\boxtimes			
C14	Major noise source(s)					
		Traffic				
		Construction activities inside of site				
		Constructi	ion activitie	es outsid	e of site	
		Others: Not observed				

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Constr	ruction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		\boxtimes		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		\boxtimes		
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?	\boxtimes			Not Observed
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		\boxtimes		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		\boxtimes		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		\boxtimes		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?	\boxtimes			N/A
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	\boxtimes			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?		\boxtimes		
D10	Have the overall slope of the site should be kept a minimum?		\boxtimes		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		\boxtimes		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		\boxtimes		
D13	Are the silt removal facilities, channels and manholes maintained regularly?		\boxtimes		
D14	Is the deposite silt and grit removed regularly?		\boxtimes		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	\boxtimes			N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	\boxtimes			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m³ on site covered with tarpaulin or similar fabric during rainstorms?	\boxtimes			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		\boxtimes		
D19	Are the discharges of surface run-off into foul sewer always prevented?		\boxtimes		

D20	Is a wheel washing bay provided at every site exit?		\boxtimes		
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		\boxtimes		
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?		\boxtimes		
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?		\boxtimes		
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		\boxtimes		
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		\boxtimes		
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		\boxtimes		
D27	Are portable chemical toilets and sewage holding tanks provided?		\boxtimes		
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		\boxtimes		
D29	Is there any sediment plume observed in nearby watercourses?	\boxtimes			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	\boxtimes			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	\boxtimes			N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	\boxtimes			N/A
E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
Genera	al Waste				
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?		\boxtimes		
E2	Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.?		\boxtimes		
E3	Does accumulation of waste avoid?		\boxtimes		
E4	Is waste disposed regularly?		\boxtimes		
E5	Regular waste collection by approved waste collector in purpose-built vehicles?		\boxtimes		
E6	Burning of refuse on construction site prohibited?		\boxtimes		

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

E27	Is chemical waste or waste oil stored and labelled in English and Chinese properly in designated	\boxtimes			Not Observed
	area?				
E28	Are chemicals and waste oil recycled or disposed properly?	\boxtimes			Not Observed
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?		\boxtimes		
Record	<u>ls</u>				
E30			\boxtimes		
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		\boxtimes		
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	\boxtimes			N/A
F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	\boxtimes			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?		\boxtimes		
F3	Is no smoking or burning permitted on-site?		\boxtimes		
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?		\boxtimes		
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	\boxtimes			
F6	Is adequate fire fighting equipment provided onsite?		\boxtimes		
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	\boxtimes			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use onsite?	\boxtimes			Not Observed
F9	Is 'Permit to Work' system implemented?		\boxtimes		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		\boxtimes		
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	\boxtimes			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	\boxtimes			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	\boxtimes			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	\boxtimes			Not Observed

F12	Is frequency and location of LFG monitoring within		\square		
	excavation area determined prior to		\boxtimes		
	commencement of works?				
	*LFG monitoring in excavations should be				
	conducted at no more than 10mm from exposed				
	ground surface.				
F13	For excavation works, Is LFG monitoring				
	conducted (1) at ground surface prior to		\boxtimes		
	excavation, (2) immediately before workers				
	entering excavations, (3) at the beginning of each				
	half-day work, and (4) periodically throughout the				
	working day when workers are in the excavation?				
F14	Are LFG monitoring conducted periodically when				
' '	any cracks on ground level encountered on-site?				
	any oraona on ground level encountered on-site!				Not Observed
	*Appropriate action should be taken in accordance				NOT ODSELVED
	*Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.				
F15a					
гтэа	Are LFG precautionary measures involved in				
	excavation and piping works provided in accordance with LFG Guidance Note and included				Not Observed
E1Eh	in Safety Plan of construction phase?				
F15b	Are temporary offices or buildings located where				
	free LFG has been proven or raised clear of				Not Observed
	ground at a separation distance of at least				
F40	500mm?				
F16	Is a Safety Officer trained in the use of gas				
	detection equipment and LFG- related hazards				
	present on-site throughout the groundwork phase?				
	*The Sefety Officer should be provided with an				
	*The Safety Officer should be provided with an				Not Observed
	intrinsically safe portable instrument appropriately				NOL Observed
	calibrated and capable of measuring the following				
	gases: •CH ₄ : 0-100% and LEL: 0-100%/v				
	•CH4: 0-100% and LEL: 0-100%/V •CO ₂ : 0-100%				
	•O ₂ : 0-100%				
E170		_			
F17a	Periodically during groundwork construction, Is the		\boxtimes		
	works area monitored for CH ₄ CO ₂ and O ₂ using				
	appropriately calibrated portable gas detection				
	equipment?				Not Observed
	*The monitoring fraguency and arras should be				Not Observed
	*The monitoring frequency and areas should be				
	established prior to commencement of groundwork				
	either by Safety Officer or appropriately qualified				
	person.				
F17b	Is routine monitoring carried out in all excavations,		\boxtimes		
	manholes, created by temporary storage of				
F47	building materials on-site?				
F17c	Are all measurements in excavations made with		\boxtimes		
	monitoring tube located not more than 10mm from				
F40	exposed ground surface?				В
F18	For excavations deeper than 1m, are		\boxtimes		
	measurements conducted?				
	 At ground surface before excavation 				
	commences;				

	Immediately before any worker enters the				
	excavation;				
	At the beginning of each working day for				
	entire period the excavation remains open; and				
	Periodically throughout the working day whilst				
	workers are in excavation.				
F19	For excavations between 300mm and 1m, are		\boxtimes		
	measurements conducted?	Ш			
	Directly after excavation has been completed;				
	and				
	Periodic all whilst excavation remains open.				
F20	For excavations less than 300mm, are monitoring		\boxtimes		
	omitted at the discretion of Safety Officer or appropriately qualified person?				
	appropriately qualified person!				
G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?	Observed			
GI	is the work site confined within site boundaries?				
G2	Is damage to surrounding areas avoided?		\boxtimes	П	
				Ш	
G3	Are the protective fencing erected along or beyond	\boxtimes			Not Observed
	the perimeter of the tree protection zone of each individual tree?				Not Observed
G4	Is early planting using fast growing plants at				
	strategic locations within site implemented?	\boxtimes		Ш	N/A
G5	Is boundary green belt planting implemented	\boxtimes	П	П	
	around the site perimeter and the construction of				N/A
	temporary soil bunds?				
G6	Is temporary landscape treatment as green surface	\boxtimes			N/A
67	cover implemented? Are existing and affected tree which identified as				
G7	ecological significant preserved whenever	\boxtimes			Not Observed
	possible?				140t Obscived
		N/A or Not			
Н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species	×			
	implemented? Is post-transplantation maintained			Ш	Not Observed
	and monitored regularly?				
		N/A or Not			_ , ,_,
I	Environmental Complaint	Observed	Yes	No	Remarks / Photo
I1	Environmental Complaint received during this		П	\boxtimes	
	week?			لا ت	
		N/A or Not	.,		
J	General Housekeeping / Others	Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas		\boxtimes		
	identified to prevent loss of vegetation		<u></u>		
J2	Are the portable toilets maintained in a state, which		\boxtimes		
	will not deter the workers from utilizing these portable toilets?				
	horranie rollera:]		

Follow up action for previous Site Inspection:
Reminder(s):
The Contractor was reminded that the frequently of watering unpaved area and work area or other dust suppression method in Portion A is reminded should be increased.
Corrective Actions – Mitigation Measures Implemented or Proposed (if any):

(Construction Phase)

	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative	
Signature:		I	Dermans	40-	
Name:	Jason Man	1	William Wan	Sylvia Ho.	
Date:	13 Feb 2023	1	13 Feb 2023	13 Feb 2023	

PART I Follow-up status of the previous site inspection

Observation and Recommendation







1. Fugitive dust is observed in Portion A and D.



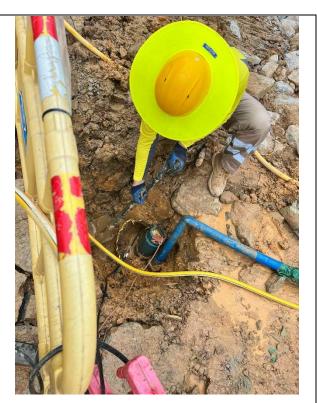
The Frequently of watering work area were increased in Portion $^{\Lambda}$



The Frequently of watering work area were increased in Portion D.



2. Sand and silt shall be regularly removed from the sump pit in the vehicle washing bay in Portion A.



The sand and silt in the sump pit and the channel at the vehicle were removed.

PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation	Follow-up status
The state of the state of	
The Contractor was reminded that the frequent watering of the	
unpaved area and work area or other dust suppression methods in Portion A should be increased.	

traffic cones?

Inspection Date:	20 February 2023	Inspected By:	Jason Man				
Time:	14:00	Weather Condition:	Fine				
Participants:	ticipants: Henry Lau (ER), Jimmy Lui (IEC), 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		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		\boxtimes		CNP No: GW-RN0824-22 GW-RN1151-22
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			
В	Air Quality	Observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?		\boxtimes		
B2	Are completed earthworks sealed as soon as practicable?	\boxtimes			N/A
В3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		\boxtimes		
B4	Any remedial action undertaken?	\boxtimes			N/A
B5	Observed dust source(s)				
		⊠ Wind ero	sion		
		☐ Vehicle/ I	Equipment	t Moveme	ents
		☐ Loading/	unloading	of mater	ials
		Others: _			
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?			\boxtimes	Refer to Observation 1
В7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?	\boxtimes			
B9	Is the stockpile of dusty materials avoid to be extend beyond the pedestrian barriers, fencing or		\boxtimes		

B10	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?		\boxtimes		
B11	Are wheel washing facilities with high pressure				
	water jet provided at all site exits if practicable?				
B12	Are all vehicles and plant cleaned before they		\boxtimes		
	leave the construction site?				
B13	Are hoarding ≥ 2.4m tall provided beside roads or	\boxtimes			N/A
	area with public access?				IN/A
B14	Is the portion of any road leading only to		\boxtimes		
	construction site (within 30m of a vehicle entrance	_		-	
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven				
	drilling, cutting, polishing or other mechanical			-	
	breaking operations takes place sprayed with				No Observed
	water or a dust suppression chemical				
	continuously?				
B16	Is the area involved demolition activities sprayed	\boxtimes			
	with water or a dust suppression chemical	_		_	
	immediately prior to, during and immediately after				N/A
	the activities so as to maintain the entire surface				
	wet?				
B17	Is scaffolding erected around the perimeter of a	\boxtimes			N/A
D.10	building under construction?				
B18	Are effective dust screens, sheeting or netting	\boxtimes			
	provided to enclose the scaffolding from the				NI/A
	ground floor level of the building, or a canopy				N/A
	provided from the first floor level up to the highest				
D40	level of the scaffolding?				
B19	Is the skip for materials transport enclosed by impervious sheeting?				N/A
B20	Is every stock of more than 20 bags of cement or				
D20	dry pulverized fuel ash (PFA) covered entirely by	\boxtimes			
	impervious sheeting or placed in an area sheltered				Not Observed
	on the top and 3 sides?				
B21	Are the areas of washing facilities and the road				
52.	section between the washing facilities and the exit		1 171		
l				-	
	_				
	point paved with concrete, bituminous materials or				
B22	point paved with concrete, bituminous materials or hardcores?				
B22	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer,	\boxtimes			N/A
B22	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA	\boxtimes			N/A
B22	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer,				
	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?				N/A N/A
	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric	\boxtimes			
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system?				
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by	\boxtimes			
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation	\boxtimes			
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the	\boxtimes			N/A
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site	\boxtimes			N/A
B23 B24	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?	\boxtimes			N/A
B23	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site	\boxtimes			N/A
B23 B24	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?	\boxtimes			N/A N/A Refer to Observation 1
B23 B24 B25 B26	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly? Is generation of dust avoided during loading or unloading?	\boxtimes			N/A
B23 B24	point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?	\boxtimes			N/A N/A Refer to Observation 1

B28	Are appropriate speed limit sign displayed?		\boxtimes		
B29	Are designated roads paved?		\boxtimes		
8/B30	Are site vehicle movements confined to designated roads?		\boxtimes		
B31	Are NRMM labels properly affixed on the PMEs?			\boxtimes	Refer to Observation
		1	1	ı	-
С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo
C1	Is well-maintained plant operated on-site and plant served regularly?		\boxtimes		
C2	Are vehicles and equipment switched off or throttled down while not in use?		\boxtimes		
C3	Is the noise directed away from nearby NSRs?		\boxtimes		
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	\boxtimes			N/A
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?				
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	\boxtimes			N/A
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	\boxtimes			N/A
C8	Are noise barriers (typically density @14kg/m²) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	\boxtimes			N/A
C9	Is the sequencing operation of construction plants where practicable?		\boxtimes		
C10	Is the hoarding maintained properly?	\boxtimes			N/A
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	\boxtimes			N/A
C12	Are compressor operated with doors closed?	\boxtimes			N/A
C13	QPME used with valid noise labels?		\boxtimes		
C14	Major noise source(s)				
		X Traffic			
		Construct	ion activiti	es inside	of site
		Construct	ion activiti	es outsid	e of site
		Others:			

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Consti	ruction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		\boxtimes		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		\boxtimes		
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?		\boxtimes		
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		\boxtimes		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		\boxtimes		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		\boxtimes		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?	\boxtimes			N/A
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	\boxtimes			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?		\boxtimes		
D10	Have the overall slope of the site should be kept a minimum?		\boxtimes		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		\boxtimes		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		\boxtimes		
D13	Are the silt removal facilities, channels and manholes maintained regularly?		\boxtimes		
D14	Is the deposite silt and grit removed regularly?		\boxtimes		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?	\boxtimes			N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	\boxtimes			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m³ on site covered with tarpaulin or similar fabric during rainstorms?	\boxtimes			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		\boxtimes		
D19	Are the discharges of surface run-off into foul sewer always prevented?		\boxtimes		

D20	Is a wheel washing bay provided at every site exit?		\boxtimes		
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		\boxtimes		
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?		\boxtimes		
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?		\boxtimes		
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		\boxtimes		
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		\boxtimes		
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		\boxtimes		
D27	Are portable chemical toilets and sewage holding tanks provided?		\boxtimes		
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		\boxtimes		
D29	Is there any sediment plume observed in nearby watercourses?	\boxtimes			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	\boxtimes			Not Observed
D31	Is chemical leakage or spillages contained and cleaned up immediately?	\boxtimes			N/A
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	\boxtimes			N/A
		N/A or Not			
E	Waste / Chemical Management	Observed	Yes	No	Remarks / Photo
Genera	al Waste				
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from the construction and chemical wastes?		\boxtimes		
E2	Is the general waste collected properly by using the waste separation facilities for paper, aluminium		\boxtimes		
	cans, plastic bottles etc.?				
E3			\boxtimes		
E3	cans, plastic bottles etc.? Does accumulation of waste avoid? Is waste disposed regularly?		\boxtimes		
	cans, plastic bottles etc.? Does accumulation of waste avoid?				

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

E27	Is chemical waste or waste oil stored and labelled in English and Chinese properly in designated area?	\boxtimes			Not Observed
E28	Are chemicals and waste oil recycled or disposed properly?	\boxtimes			Not Observed
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?		\boxtimes		
Record					
E30	Is a licensed waste hauler used for waste collection?		\boxtimes		
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		\boxtimes		
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	\boxtimes			N/A
				I	
F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?	\boxtimes			Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?		\boxtimes		
F3	Is no smoking or burning permitted on-site?		\boxtimes		
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?		\boxtimes		
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	\boxtimes			
F6	Is adequate fire fighting equipment provided onsite?		\boxtimes		
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	\boxtimes			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use onsite?	\boxtimes			Not Observed
F9	Is 'Permit to Work' system implemented?		\boxtimes		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?		\boxtimes		
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	\boxtimes			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	\boxtimes			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	\boxtimes			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	\boxtimes			Not Observed

F12	Is frequency and location of LFG monitoring within		\square		
	excavation area determined prior to		\boxtimes		
	commencement of works?				
	*LFG monitoring in excavations should be				
	conducted at no more than 10mm from exposed				
	ground surface.				
F13	For excavation works, Is LFG monitoring				
	conducted (1) at ground surface prior to		\boxtimes		
	excavation, (2) immediately before workers				
	entering excavations, (3) at the beginning of each				
	half-day work, and (4) periodically throughout the				
	working day when workers are in the excavation?				
F14	Are LFG monitoring conducted periodically when				
' '	any cracks on ground level encountered on-site?				
	any oraona on ground level encountered on-site!				Not Observed
	*Appropriate action should be taken in accordance				NOT ODSELVED
	*Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.				
F15a					
гтэа	Are LFG precautionary measures involved in				
	excavation and piping works provided in accordance with LFG Guidance Note and included				Not Observed
E1Eh	in Safety Plan of construction phase?				
F15b	Are temporary offices or buildings located where				
	free LFG has been proven or raised clear of				Not Observed
	ground at a separation distance of at least				
F40	500mm?				
F16	Is a Safety Officer trained in the use of gas				
	detection equipment and LFG- related hazards				
	present on-site throughout the groundwork phase?				
	*The Sefety Officer should be provided with an				
	*The Safety Officer should be provided with an				Not Observed
	intrinsically safe portable instrument appropriately				NOL Observed
	calibrated and capable of measuring the following				
	gases: •CH ₄ : 0-100% and LEL: 0-100%/v				
	•CH4: 0-100% and LEL: 0-100%/V •CO ₂ : 0-100%				
	•O ₂ : 0-100%				
E170		_			
F17a	Periodically during groundwork construction, Is the		\boxtimes		
	works area monitored for CH ₄ CO ₂ and O ₂ using				
	appropriately calibrated portable gas detection				
	equipment?				Not Observed
	*The monitoring fraguency and arras should be				Not Observed
	*The monitoring frequency and areas should be				
	established prior to commencement of groundwork				
	either by Safety Officer or appropriately qualified				
	person.				
F17b	Is routine monitoring carried out in all excavations,		\boxtimes		
	manholes, created by temporary storage of				
F47	building materials on-site?				
F17c	Are all measurements in excavations made with		\boxtimes		
	monitoring tube located not more than 10mm from				
F40	exposed ground surface?				В
F18	For excavations deeper than 1m, are		\boxtimes		
	measurements conducted?				
	 At ground surface before excavation 				
	commences;				

	Immediately before any worker enters the				
	excavation;				
	At the beginning of each working day for				
	entire period the excavation remains open;				
	and				
	Periodically throughout the working day whilst				
	workers are in excavation.				
F19	For excavations between 300mm and 1m, are		\boxtimes		
	measurements conducted?				
	Directly after excavation has been completed;				
	and				
F00	Periodic all whilst excavation remains open.				
F20	For excavations less than 300mm, are monitoring		\boxtimes		
	omitted at the discretion of Safety Officer or				
	appropriately qualified person?				
G	Landscape and Visual Impacts	N/A or Not	Yes	No	Remarks / Photo
		Observed	163	140	Nemarks / Frioto
G1	Is the work site confined within site boundaries?		\boxtimes		
G2	Is damage to surrounding areas avoided?				
G2	is damage to surrounding areas avoided?		\boxtimes		
G3	Are the protective fencing erected along or beyond		\boxtimes		
	the perimeter of the tree protection zone of each				
	individual tree?				
G4	Is early planting using fast growing plants at	\boxtimes			N/A
	strategic locations within site implemented?				IN/A
G5	Is boundary green belt planting implemented	\boxtimes			
	around the site perimeter and the construction of				N/A
	temporary soil bunds?				
G6	Is temporary landscape treatment as green surface	\boxtimes			N/A
	cover implemented?				,, .
G7	Are existing and affected tree which identified as	\boxtimes			Nat Obaania
	ecological significant preserved whenever				Not Observed
	possible?				
н	Fcology	N/A or Not	Yes	No	Remarks / Photo
Н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H	Is transplantation of the important plant species	Observed	Yes	No	
	Is transplantation of the important plant species implemented? Is post-transplantation maintained		Yes	No 🗆	Remarks / Photo Not Observed
	Is transplantation of the important plant species	Observed	Yes	No	
	Is transplantation of the important plant species implemented? Is post-transplantation maintained	Observed	Yes	No	
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?	Observed			Not Observed
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained	Observed	Yes	No No	
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly?	Observed N/A or Not		No	Not Observed
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint	Observed N/A or Not			Not Observed
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this	Observed N/A or Not		No	Not Observed
H1 I1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this week?	Observed N/A or Not Observed	Yes	No 🖂	Not Observed Remarks / Photo
H1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this	Observed N/A or Not		No	Not Observed
H1 I1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this week? General Housekeeping / Others Are the defined boundaries of working areas	N/A or Not Observed N/A or Not	Yes	No 🖂	Not Observed Remarks / Photo
H1 I I J J1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this week? General Housekeeping / Others Are the defined boundaries of working areas identified to prevent loss of vegetation	N/A or Not Observed N/A or Not	Yes	No 🖂	Not Observed Remarks / Photo
H1 I1 J	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this week? General Housekeeping / Others Are the defined boundaries of working areas identified to prevent loss of vegetation Are the portable toilets maintained in a state, which	N/A or Not Observed N/A or Not	Yes	No 🖂	Not Observed Remarks / Photo
H1 I I J J1	Is transplantation of the important plant species implemented? Is post-transplantation maintained and monitored regularly? Environmental Complaint Environmental Complaint received during this week? General Housekeeping / Others Are the defined boundaries of working areas identified to prevent loss of vegetation	N/A or Not Observed N/A or Not	Yes Yes	No 🖂	Not Observed Remarks / Photo

Follow up action for previous Site Inspection:

1. The frequent watering of the unpaved area and work area in Portion A were increased.

Observation(s):

- 1. The fugitive dust is observed in Portion A.
- 2. The lack of NRMN Label is observed in the generator at SBA.

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

- 1. The Contractor is recommended to increase the frequency of watering to the unpaved area and work area in Portion A.
- 2. The Contractor is recommended to label the NRMN Label on the generator at SBA.

elle, a d	Environmental Team's Representative:	Independent Environmental Checker's Representative:	Contractor's Representative:	Employee's Representative
Signature:		J. 7	Come	Ho
Name:	Jagan Man	3 Jimmy	William Wan	Sylvia Ho
Date:	20 Feb 2023	120 Feb	20 Feb 2023	20 Feb 2023

PART I Follow-up status of the previous site inspection

Observation and Recommendation



The Contractor was reminded that the frequent watering of the unpaved area and work area or other dust suppression methods in Portion A should be increased.



The frequent watering of the unpaved area and work area in Portion A were increased.

Follow-up status

PART II Observation and recommendation identified during the environmental site inspection

1. The fugitive dust is observed in Portion A.



2. The lack of NRMN Label is observed in the generator at SBA.

В9

traffic cones?

Is the stockpile of dusty materials avoid to be

extend beyond the pedestrian barriers, fencing or

Environmental Site Inspection Checklist (Rev. 2)

Inspection Date:	27 February 2023	Inspected By:	Andy Ng, Jason Man	
Time:	14:00	Weather Condition:	Sunny	
Participants:	Sylvia Ho (ER), William Wan (Contractor), Andy Ng (ET), Jason Man (ET)			

N/A or Not

	r ennits/Licenses	Observed	163	NO	Remarks / Filoto
A1	Are Environmental Permit, license/ other permit displayed at major site exit and vehicle access?		\boxtimes		EP No.: EP-292/2007 FEP No.: FEP-01/292/2007
A2	Are Construction Noise Permits/ Environmental license/ other permit available for inspection/posted at site entrance.		\boxtimes		CNP No: GW-RN1151-22 GW-RN0131-23
A3	Is wastewater discharge licence available for inspection?		\boxtimes		
A4	Are trip tickets for chemical waste and construction waste disposal available for inspection?		\boxtimes		
A5	Are relevant licence/permit for disposal of construction waste or excavated materials available for inspection?		\boxtimes		
В	Air Quality	N/A or Not Observed	Yes	No	Remarks / Photo
B1	Is open burning avoided?		\boxtimes		
B2	Are completed earthworks sealed as soon as practicable?	\boxtimes			N/A
B3	Are plant and equipment well maintained (i.e. without black smoke from powered plant)?		\boxtimes		
B4	Any remedial action undertaken?	\boxtimes			N/A
B5	Observed dust source(s)				
		Wind erosion Vehicle/ Equipment Movements			
		Loading/ unloading of materials			
		Others: _			
B6	Are unpaved areas/ designated roads watered regularly to avoid dust generation?			\boxtimes	Refer to Observation 1
В7	Are dusty materials covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading?				
B8	After removal of stockpile, are the remained dusty materials wetted with water and cleared from surface of roads?	\boxtimes			

 \boxtimes

	Are loaded dump trucks covered by impervious sheeting appropriately before leaving the site?				
B11	Are wheel washing facilities with high pressure water jet provided at all site exits if practicable?			\boxtimes	Refer to Observation 2
B12	Are all vehicles and plant cleaned before they leave the construction site?			\boxtimes	Refer to Observation 2
B13	Are hoarding ≥ 2.4m tall provided beside roads or				Observation 2
ыз	area with public access?	\boxtimes			N/A
B14	Is the portion of any road leading only to				
514	construction site (within 30m of a vehicle entrance				
	or exit) kept clear of dusty materials?				
B15	Are surfaces where any pneumatic or power-driven				
	drilling, cutting, polishing or other mechanical		Ш	ш	
	breaking operations takes place sprayed with				No Observed
	water or a dust suppression chemical				
	continuously?				
B16	Is the area involved demolition activities sprayed	\boxtimes			
	with water or a dust suppression chemical				
	immediately prior to, during and immediately after				N/A
	the activities so as to maintain the entire surface				
	wet?				
B17	Is scaffolding erected around the perimeter of a	\boxtimes			N/A
	building under construction?				14/7 (
B18	Are effective dust screens, sheeting or netting	\boxtimes			
	provided to enclose the scaffolding from the	_	_	_	
	ground floor level of the building, or a canopy				N/A
	provided from the first floor level up to the highest				
	level of the scaffolding?				
B19	Is the skip for materials transport enclosed by	\boxtimes			N/A
B20	impervious sheeting?				
D20	Is every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA) covered entirely by			\boxtimes	Refer to
	impervious sheeting or placed in an area sheltered				Observation 3
	on the top and 3 sides?				Observation 3
D04	Are the areas of washing facilities and the road				
I R'21 I	Ale tile aleas of washing facilities and tile read				
B21	*			\boxtimes	
B21	section between the washing facilities and the exit				In Progress at SBA
B21	section between the washing facilities and the exit point paved with concrete, bituminous materials or				In Progress at SBA
	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores?				In Progress at SBA
B21	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer,				In Progress at SBA
	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA				-
	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer,				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility?				-
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system?				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? 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				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the				N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				N/A
B22 B23 B24	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies?				N/A N/A
B22	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site				N/A N/A
B22 B23 B24	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				N/A N/A
B22 B23 B24	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				N/A N/A
B22 B23 B24	section between the washing facilities and the exit point paved with concrete, bituminous materials or hardcores? Are the activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA carried out in a totally enclosed system or facility? Is any vent or exhaust fitted with an effective fabric filter or equipment air pollution control system? Is the exposed earth properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after last construction activity on the construction site or part of the construction site where the exposed earth lies? Are the worksites wetted with water regularly?				N/A N/A Refer to Reminder 1

B28	Are appropriate speed limit sign displayed?		\boxtimes		
B29	Are designated roads paved?		\boxtimes		
8/B30	Are site vehicle movements confined to designated roads?		\boxtimes		
B31	Are NRMM labels properly affixed on the PMEs?		\boxtimes		
С	Noise	N/A or Not Observed	Yes	No	Remarks / Photo
C1	Is well-maintained plant operated on-site and plant served regularly?		\boxtimes		
C2	Are vehicles and equipment switched off or throttled down while not in use?		\boxtimes		
C3	Is the noise directed away from nearby NSRs?		\boxtimes		
C4	Are the silencers or mufflers properly fitted on construction equipment and maintained regularly?	\boxtimes			N/A
C5	Are mobile and/or noisy plant sited as far away from NSRs as possible and practicable and orientated so that the noise is directed away from nearby NSRs?		\boxtimes		
C6	Are material stockpiles, mobile container officer and other structures utilised to screen noisy activates?	\boxtimes			N/A
C7	Is temporary hoarding installed located on the site boundaries between noisy construction activities and NSRs?	\boxtimes			N/A
C8	Are noise barriers (typically density @14kg/m²) acoustic mat or full enclosure close to noise plants including air compressor, generators and saw etc. provided to protect NSRs?	\boxtimes			N/A
C9	Is the sequencing operation of construction plants where practicable?		\boxtimes		
C10	Is the hoarding maintained properly?	\boxtimes			N/A
C11	Air compressors (500 kPa or above) and hand held percussive breaker (mass of above 10 kg) with valid noise labels?	\boxtimes			N/A
C12	Are compressor operated with doors closed?	\boxtimes			N/A
C13	QPME used with valid noise labels?		\boxtimes		
C14	Major noise source(s)				
		⊠ Traffic			
		Construct	ion activiti	es inside	of site
		Construct	ion activiti	es outsid	e of site
		Others:			

D	Water Quality	N/A or Not Observed	Yes	No	Remarks / Photo
Consti	ruction Activities				
D1	At the start of site establishment, are perimeter cut-off drains constructed to direct off-site water around the site with internal drainage works and erosion and sedimentation control facilities implemented?		\boxtimes		
D2	Are channels, earth bunds or sandbag barriers provided on site to properly direct stormwater to such silt removal facilities?		\boxtimes		
D3	Have dikes or embankments for flood protection implemented around the boundaries of earthwork areas?		\boxtimes		
D4	Have temporary ditches provided to facilitate the runoff discharge into an appropriate watercourse, through a site/ sediment trap?		\boxtimes		
D5	Are the sediment/ silt traps incorporated in the permanent drainage channels to enhance deposition rate?		\boxtimes		
D6	Are the retention time for silt/s and traps of the silt removal facilities be 5 minutes under maximum flow conditions?		\boxtimes		
D7	Is surface excavation works minimised during rainy seasons (April to September), as possible?	\boxtimes			To be implemented during wet season
D8	Are all exposed earth areas completed or vegetated as soon as possible after earthworks completed, or alternatively, within 14 days of the cessation of earthworks where practicable.	\boxtimes			N/A
D9	Are exposed slope surfaces covered by tarpaulin sheets?		\boxtimes		
D10	Have the overall slope of the site should be kept a minimum?		\boxtimes		
D11	Are all trafficked areas and access roads protected by coarse stone ballast		\boxtimes		
D12	Is wastewater from temporary site facilities controlled to prevent direct discharge to surface		\boxtimes		
D13	Are the silt removal facilities, channels and manholes maintained regularly?		\boxtimes		
D14	Is the deposite silt and grit removed regularly?		\boxtimes		
D15	Have the excavation of trenches in wet periods be dug and backfilled in short sections?				N/A
D16	Is rainwater pumped out from trenches discharged into storm drains via silt system?	\boxtimes			N/A
D17	Are open stockpiles of construction materials e.g. aggregates and sand of more than 50m³ on site covered with tarpaulin or similar fabric during rainstorms?	\boxtimes			N/A
D18	Are manholes adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage?		\boxtimes		
D19	Are the discharges of surface run-off into foul sewer always prevented?		\boxtimes		

E2 E3 E4	the construction and chemical wastes? Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.? Does accumulation of waste avoid? Is waste disposed regularly? Regular waste collection by approved waste collector in purpose-built vehicles?				
E3	the construction and chemical wastes? Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.? Does accumulation of waste avoid?		\boxtimes		
	the construction and chemical wastes? Is the general waste collected properly by using the waste separation facilities for paper, aluminium cans, plastic bottles etc.?				
E2	the construction and chemical wastes? Is the general waste collected properly by using the waste separation facilities for paper, aluminium		\boxtimes		
E1	Is the general waste generated on-site stored in enclosed bins or compaction units separately from		\boxtimes		
Genera	al Waste				
E	Waste / Chemical Management	N/A or Not Observed	Yes	No	Remarks / Photo
			<u> </u>	<u> </u>	
D32	Service workshop and maintenance facilities located within a bunded area, and sumps and oil interceptors be provided?	\boxtimes			N/A
D31	Is chemical leakage or spillages contained and cleaned up immediately?	\boxtimes			N/A
D30	Are oil interceptors provided in the site drainage system downstream of any oil/ fuel pollution sources? And the oil interceptors are emptied and cleaned regularly? Has a bypass provided to prevent flushing during heavy rain?	\boxtimes			Not Observed
D29	Is there any sediment plume observed in nearby watercourses?	\boxtimes			N/A
D28	Is the sewage generated from toilets collected by licensed contractor and responsible for disposal and maintenance?		\boxtimes		
D27	Are portable chemical toilets and sewage holding tanks provided?		\boxtimes		
D26	Is the treated wastewater reused for vehicle washing, dust suppression and general cleaning?		\boxtimes		
D25	Are sedimentation tanks provided to treat the large amount of sediment-laden wastewater generated from wheel washing, site runoff and construction works?		\boxtimes		
D24	Are site drainage systems provided over the entire project site with sediment control facilities?		\boxtimes		
D23	Are the vehicle wash-water have sand and silt settled out and removed at least on a weekly basis?	\boxtimes			Not Observed
D22	Is the section of construction road between the wheel washing bay and the public road surfaced with crushed stone or coarse gravel?			\boxtimes	In Progress at SBA
D21	Is the wheel wash overflow directed to silt removal facilities before being discharged to the storm drain?		\boxtimes		
D20	Is a wheel washing bay provided at every site exit?			\boxtimes	Refer to Observation 2

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

E27	Is chemical waste or waste oil stored and labelled in English and Chinese properly in designated	\boxtimes			Not Observed
E28	area? Are chemicals and waste oil recycled or disposed	\boxtimes			Not Observed
	properly?				
E29	Is chemical waste collected by licensed waste collectors and disposed of at licensed facility eg. Chemical Waste Treatment Centre?				
Record	d <u>s</u>				
E30	Is a licensed waste hauler used for waste collection?		\boxtimes		
E31	Are the records of quantities of wastes generated, recycled and disposed properly kept?		\boxtimes		
E32	For the demolition material/ waste, is the number of loads for each day recorded as appropriate?	\boxtimes			N/A
F	LFG	N/A or Not Observed	Yes	No	Remarks / Photo
F1	Are special LFG precautions taken to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity)?				Not Observed
F2	Are prominent safety warning signs erected on-site to alert all personnel and visitors of LFG hazards during excavation works.?				
F3	Is no smoking or burning permitted on-site?		\boxtimes		
F4	Are prominent 'No smoking' and 'No Naked Flames' signs erected on-site?		\boxtimes		
F5	Is no worker allowed to work alone at any time in excavated trenches or confined areas on-site?	\boxtimes			N/A
F6	Is adequate fire fighting equipment provided onsite?		\boxtimes		
F7	Are construction equipment equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors?	\boxtimes			Not Observed
F8	Are electrical motors and extension cords explosion-proof and intrinsically safe for use onsite?	\boxtimes			Not Observed
F9	Is 'Permit to Work' system implemented?		\boxtimes		
F10	Are welding, flame-cutting or other hot works conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works?				
F11a	For piping assembly or conduit construction, are all valves and seals closed immediately after installation?	\boxtimes			Not Observed
F11b	Are the pipe ends sealed on one side during installation if installation of large diameter pipes (diameter >600mm) is required?	\boxtimes			Not Observed
F11c	Is forced ventilation implemented prior to operation of installed pipeline?	\boxtimes			Not Observed
F11d	Is forced ventilation implemented for works inside trenches deeper than 1m?	\boxtimes			Not Observed

F12	Is frequency and location of LFG monitoring within		\boxtimes		
	excavation area determined prior to				
	commencement of works?				
	*LFG monitoring in excavations should be				
	conducted at no more than 10mm from exposed				
	ground surface.				
F42	•				
F13	For excavation works, Is LFG monitoring				
	conducted (1) at ground surface prior to				
	excavation, (2) immediately before workers				
	entering excavations, (3) at the beginning of each				
	half-day work, and (4) periodically throughout the				
	working day when workers are in the excavation?				
F14	Are LFG monitoring conducted periodically when	\boxtimes			
	any cracks on ground level encountered on-site?				
	,				Not Observed
	*Appropriate action should be taken in accordance				
	with the action plan in Table 7.6 of EIA Report.				
F15a	Are LFG precautionary measures involved in				
гіза					
	excavation and piping works provided in				Not Observed
	accordance with LFG Guidance Note and included				
	in Safety Plan of construction phase?				
F15b	Are temporary offices or buildings located where				
	free LFG has been proven or raised clear of	_		_	Not Observed
	ground at a separation distance of at least				1401 02001104
	500mm?				
F16	Is a Safety Officer trained in the use of gas	\boxtimes			
	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				Not Observed
	calibrated and capable of measuring the following				140t Observed
	gases:				
	•CH ₄ : 0-100% and LEL: 0-100%/v				
	•CO ₂ : 0-100%				
	•O ₂ : 0-21%				
F17a	Periodically during groundwork construction, Is the		\boxtimes		
	works area monitored for CH ₄ CO ₂ and O ₂ using				
	appropriately calibrated portable gas detection				
	equipment?				
					Not Observed
	*The monitoring frequency and areas should be				
	established prior to commencement of groundwork				
	either by Safety Officer or appropriately qualified				
	person.				
F17b	Is routine monitoring carried out in all excavations,				
1 17 5	manholes, created by temporary storage of				
	building materials on-site?				
E17-	-	_			
F17c	Are all measurements in excavations made with		\boxtimes		
	monitoring tube located not more than 10mm from				
E40	exposed ground surface?				N.
F18	For excavations deeper than 1m, are		\boxtimes		
	measurements conducted?				
	 At ground surface before excavation 				
	commences;				

	Immediately before any worker enters the				
	excavation;At the beginning of each working day for				
	entire period the excavation remains open;				
	and				
	Periodically throughout the working day whilst				
F40	workers are in excavation.				
F19	For excavations between 300mm and 1m, are measurements conducted?		\boxtimes		
	Directly after excavation has been completed;				
	and				
	Periodic all whilst excavation remains open.				
F20	For excavations less than 300mm, are monitoring		\boxtimes		
	omitted at the discretion of Safety Officer or		_		
	appropriately qualified person?				
G	Landscape and Visual Impacts	N/A or Not Observed	Yes	No	Remarks / Photo
G1	Is the work site confined within site boundaries?		\boxtimes		
G2	Is damage to surrounding areas avoided?				
G3	Are the protective fencing erected along or beyond the perimeter of the tree protection zone of each		\boxtimes		
	individual tree?				
G4	Is early planting using fast growing plants at	\boxtimes			N/A
	strategic locations within site implemented?				IN/A
G5	Is boundary green belt planting implemented	\boxtimes			N1/A
	around the site perimeter and the construction of temporary soil bunds?				N/A
G6	Is temporary landscape treatment as green surface	\square			
	cover implemented?	\boxtimes			N/A
G7	Are existing and affected tree which identified as	\boxtimes			Not Observed
	ecological significant preserved whenever possible?				Not Observed
	possible:				
		N/A or Not			
Н	Ecology	N/A or Not Observed	Yes	No	Remarks / Photo
H1	Is transplantation of the important plant species	\boxtimes	П	П	
	implemented? Is post-transplantation maintained	_	_		Not Observed
	and monitored regularly?				
		N//A			
ı	Environmental Complaint	N/A or Not Observed	Yes	No	Remarks / Photo
I1	Environmental Complaint received during this			\boxtimes	
	week?				
J	General Housekeeping / Others	N/A or Not Observed	Yes	No	Remarks / Photo
J1	Are the defined boundaries of working areas	П	\boxtimes		
10	identified to prevent loss of vegetation				
J2	Are the portable toilets maintained in a state, which will not deter the workers from utilizing these		\boxtimes		
	portable toilets?				

Follow up action for previous Site Inspection:

- 1. The frequency of watering to the unpaved area and work area in Portion A were increased.
- 2. The NRMN Label was labelled on the generator at SBA.

Observation(s):

- 1. The site area in SBA is dry and fugitive dust is observed.
- 2. Vehicle washing shall be implemented in SBA.
- 3. More than 20 bags of cement are not covered entirely by impervious sheets in SBA.
- 4. Construction runoff shall be collected in lower area and divided to silt removal facilities at Portion D.

Reminder(s):

1. The Contractor has been reminded to schedule watering for Portion D.

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

- The Contractor has been reminded to schedule watering and to increase the frequency of watering if necessary in SBA and Portion D.
- 2. The Contractor has been reminded to implement vehicle washing at the exit of Portion.
- 3. The Contractor has been reminded to cover the cement bags entirely.
- 4. The Contractor has been reminded to ensure construction runoff shall be divided into silt removal facilities.

(Construction Phase)

	Environmental Team Representative:	IEC's Representative:	Contractor's Representative:	Engineer's Representative
Signature:	Mi	1	Va Mang	40
Name:	Andy Ng	1	William Wan	Sylvia Ho
Date:	27 Feb 2023	/	27 Feb 2023	27 Feb 2023

PART I Follow-up status of the previous site inspection

Observation and Recommendation



1. The fugitive dust is observed in Portion A.

Follow-up status



 The frequency of watering to the unpaved area and work area in Portion A were increased.



The lack of NRMN Label is observed in the generator at SBA.



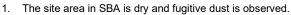
2. The NRMN Label was labelled on the generator at SBA.

PART II Observation and recommendation identified during the environmental site inspection

Observation and Recommendation







Follow-up status





The Contractor scheduled watering in SBA.



2. Vehicle washing shall be implemented in SBA.



The Vehicle washing was implemented in SBA

Observation and Recommendation

Follow-up status



The wheel washing facilities will be established in SBA at Mid-March 2023



3. More than 20 bags of cement are not covered entirely by impervious sheets in SBA.



The cement bags were removed.

Observation and Recommendation



4. The Contractor has been reminded to schedule watering for Portion D.

Follow-up status



The Contractor scheduled watering in Portion D



Construction runoff in the lower area at Portion D shall be collected and divided to silt removal facilities.



The Contractor has set up pit and pump for water collection at Portion D.

Appendix K Environmental Mitigation Implementation Schedule (EMIS)

		on Implementation Schedule (EMIS) Construction Phase					
EIA	EM&A	Recommended Precautionary/Mitigation Measures	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.	necessary)	Measures & Main	the		measures to achieve?	
			Concerns to address	measures?			
Air Qua	lity						
S3.8.	S3.1.8	 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. 	Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	Entire NENT Landfill Extension site	To control the dust impact to within the HKAQO and TM - EIA criteria (Ref. 1-hr and 24hr TSP levels are 500 μg/m ⁻³ and 260 μg/m ⁻³ , respectively)	✓
	ction Noise						
S4	S4.9	1) Use of good site practices to limit noise emissions by considering the	Control construction	Contractor	Entire	Noise Control Ordinance	✓
		following:	airborne noise by		construction		
		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					
		intermittent use should be shut down between work periods or					
		should be throttled down to a minimum;					
		• Plant known to emit noise strongly in one direction, where possible,					
		be orientated so that the noise is directed away from nearby NSRs;					
		• Silencers or mufflers on construction equipment should be properly					
		fitted and maintained during the construction works;					
		 Mobile plant should be sited as far away from NSRs as possible and practicable; 					
		Material stockpiles, mobile container site officer and other structures					
		should be effectively utilised, where practicable, to screen noise from					
		on-site construction activities.					
S4	S4.9	Select "Quiet plants" which comply with the BS 5228 Part 1 or TM	Reduce the noise	Contractor	Entire	Noise Control Ordinance	√
0-7	UT.0	standards.	levels of plant items	Johnacion	construction	& its TM	Y
		Control MC.	.57010 OI PIGITE ROTTIO		site	3.30 1111	
					0.00	Annex 5, TM-EIA	
						,	

IA	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	Recommended	implement	the	standards for the	
	Ref	necessary)	Measures & Main	the	measures	measures to achieve?	
			Concerns to address	measures?			
onstru	ction Runo	ff					
5.8.1	S5.2.1	Construction on Site Runoff	Control construction	Contractor	Entire	ProPECC PN 1/94	✓
		At the start of site establishment, perimeter cut-off drains to direct	runoff and erosion		construction		
		off-site water around the site should be constructed with internal	from site surface,		site	Water Pollution Control	
		drainage works and erosion and sedimentation control facilities	drainage channel,			Ordinance	
		implemented. Channels (both temporary and permanent drainage	stockpiles, wheel				
		pipes and culverts), earth bunds or sand bag barriers should be	washing facilities, etc				
		provided on site to direct stormwater to silt removal facilities.	to minimize water				
		The dikes or embankments for flood protection should be	quality during				
		implemented around the boundaries of earthwork areas. Temporary	construction stage				
		ditches should be provided to facilitate the runoff discharge into an	3				
		appropriate watercourse, through a silt/sediment trap. The					
		sediment/silt traps should be incorporated in the permanent					
		drainage channels to enhance deposition rates.					
		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.					
		Construction works should be programmed to minimize surface					
		excavation works during the rainy seasons (April to September). All					
		exposed earth areas should be completed and vegetated as soon					
		as possible after earthworks have been completed, or alternatively,					
		within 14 days of the cessation of earthworks where practicable. If					
		excavation of soil cannot be avoided during the rainy season, or at					
		any time of year when rainstorms are likely, exposed slope surfaces					
		should be covered by tarpaulin or other means.					
		The overall slope of the site should be kept to a minimum to reduce The overall slope of the site should be kept to a minimum to reduce The overall slope of the site should be kept to a minimum to reduce					
		the erosive potential of surface water flows, and all traffic areas and					
		access roads protected by coarse stone ballast. An additional					
		advantage accruing from the use of crushed stone is the positive					
		traction gained during prolonged periods of inclement weather and					
		the reduction of surface sheet flows.					
		All drainage facilities and erosion and sediment control structures					
		should be regularly inspected and maintained to ensure proper and					
		efficient operation at all times and particularly following rainstorms.					
		Deposited silt and grit should be removed regularly and disposed of					
		by spreading evenly over stable, vegetated areas.					

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 address	measures?			
Construc	ction Runo	ff (Cont'd)	-				
5.8.1	S5.2.1	Measures should be taken to minimise the ingress of site drainage into	Control construction	Contractor	Entire	ProPECC PN 1/94	✓
		excavations. If the excavation of trenches in wet periods is necessary,	runoff and erosion		Construction		•
		they should be dug and backfilled in short sections wherever	from site surface,		site	Water Pollution Control	
		practicable. Water pumped out from trenches or foundation	drainage channel,			Ordinance	
		excavations should be discharged into storm drains via silt removal	stockpiles, wheel				
		facilities.	washing facilities, etc				
		Open stockpiles of construction materials (for example, aggregates,	to minimize water				
		sand and fill material) of more than 50 m ³ should be covered with	quality during				
		tarpaulin or similar fabric during rainstorms. Measures should be taken	construction stage				
		to prevent the washing away of construction materials, soil, silt or					
		debris into any drainage system.					
		Manholes (including newly constructed ones) should always be					
		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					
		site to ensure no earth, mud, debris and the like is deposited by them					
		on roads. An adequately designed and sited wheel washing bay					
		should be provided at every construction site exit. Wash-water should					
		have sand and silt settled out and removed at least on a weekly basis					
		to ensure the continued efficiency of the process. The section of					
		access road leading to, and exiting from, the wheel-wash bay to the					
		public road should be paved with sufficient backfall toward the wheel-					
		wash bay to prevent vehicle tracking of soil and silly water to public					
		roads and drains.					
		Oil interceptors should be provided in the site drainage system					
		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 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				
Constru	Construction Runoff										
S5.8.1	S5.2.1	 Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report. All fuel tanks and storage areas should be provided with docks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby. To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or barrier along the roadside should be constructed. 	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	√				
S5.8.1	S5.2.1	Sewage Effluent from Workforce Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance. Notices will be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project. Regular environmental audit on the construction site can provide an effective control of any malpractices and can achieve continual improvement of environmental performance on site.	Control sewage effluent arising from the sanitary facilities provided for the on- site construction workforce	Contractor	On-site sanitary facilities	ProPECC PN 1/94 Water Pollution Control Ordinance Waste Disposal Ordinance	√				
S5.8.1	S5.2.1	Accidental Spillage of Chemical Any service workshop and maintenance facilities shall be located within a bunded area, and sumps and oil interceptors shall be provided. Maintenance of equipment involving activities with potential for leakage and spillage will only be undertaken within the areas.	Control of chemical leakage	Contractor	Service workshop and maintenance facilities	ProPECC PN 1/94 Water Pollution Control Ordinance Waste Disposal Ordinance	√				

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	
	Ref		Measures & Main	the	measures	measures to achieve?	
			Concerns to	measures?			
			address				
Erosion	Control Me	easures		•			•
35.8.2	S5.2.2	Erosion Control /Measures	Erosion control	Contractor	Drainage	ProPECC PN 1/94	✓
		a. Preserve Natural Vegetation			system		
		This Best Management Practices will involve preserving natural				Water Pollution Control	
		vegetation to the greatest extent possible during the construction				Ordinance	
		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 establishment of					
		temporary or permanent vegetation. Ground cover provides immediate					
		temporary protection from erosion. Mulch also enhances plant					
		establishment by conserving moisture, holding fertilizer, seed, and topsoil					
		in place, and moderating soil temperatures.					

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	the	standards for the	
	Ref		Measures & Main	the	measures	measures to achieve?	
			Concerns to	measures?			
			address				
Erosion	Control M	easures					
S5.8.2	S5.2.2	e. Hydraulic Application	Erosion control	Contractor	Drainage	ProPECC PN 1/94	✓
		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	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to implement	Location of the	What requirement	Status
	Log Ref	(to be implemented when the trigger level is exceeded, where	Recommended	the measures?	measures	or standards for the	
		necessary)	Measures & Main			measures to	
			Concerns to			achieve?	
			address				
Surface W	ater Draina	ge System					
\$5.8.2	S5.2.2	Temporary surface water drainage system will be provided to	Surface Water	Contractor	Surface water	Water Pollution	✓
		manage runoff during construction and operation. This system will	Management/		system	Control Ordinance	
		consist of channels as constructed around the perimeter of the site	Control run off		Construction		
		area. This system will collect surface water from the areas of higher				TM-water	
		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.					

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?	
	Manageme	ent					
S6	WM1	C&D Materials Implement proper waste management measures during construction phase as stipulated in the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 Environmental Management in Construction Sites. Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010. Copies/counterfoils from trip-tickets (with quantities of C&D Materials off-site) should be kept for record purposes. Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005. 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 cons	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	√

EIA	EM&A	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	C&D Materials (Cont'd) 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. 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. 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. Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts. Regular cleaning and maintenance programme systems, sumps and oil interceptors. Prior to disposal of C&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. Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. Minimise excessive ordering of concrete, mortars and cement grout by doing careful check before ordering.	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	Chemical Waste 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	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	Chemical Waste (Cont'd) 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. 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. Chemical waste should be collected by licensed waste collectors and disposed of at licensed facility, e.g. Chemical Waste Treatment Centre.	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	√
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	✓
		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	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log Ref	(to be implemented when the trigger level is exceeded, where necessary)	Recommended Measures & Main Concerns to address	implement the measures?	the measures	standards for the measures to achieve?	
LFG							
		dfill Extension		T =	T = -		
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)	✓
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	✓
S7	LFG3	No smoking or burning should be permitted on-site.				Code of Practice on Safety	✓
S7	LFG4	Prominent 'No smoking' and 'No Naked Flames' signs should be erected on-site.				and Health at Work in Confined Spaces	✓
S7	LFG5	No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.					✓
S7	LFG6	Adequate fire fighting equipment should be provided on-site.					✓
S7	LFG7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.					√
S7	LFG8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.					✓
S7	LFG9	'Permit to Work' system should be implemented.					✓
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.					✓
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	✓

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				
	chin 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)	√				
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.				Regulations Code of Practice on Safety and Health at Work in	√				
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.				Confined Spaces	✓				
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 ₄ : 0-100% and LEL: 0-100%/v •CO ₂ : 0-100% •O ₂ : 0-21%					√				
S7	LFG17	Periodically during groundwork construction, the works area 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
		dfill Extension (Cont'd)			1	T	
S7	LFG18	For excavations deeper than 1m, measurements should be conducted: • At ground surface before excavation commences; • Immediately before any worker enters the excavation; • At the beginning of each working day for entire period the excavation remains open; and • Periodically throughout the working day whilst workers are in excavation.	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	LFG19	For excavations between 300mm and 1m, measurements should be conducted: Directly after excavation has been completed; and Periodic all whilst excavation remains open.				Code of Practice on Safety and Health at Work in Confined Spaces	√
S7	LFG20	For excavations less than 300mm, monitoring may be omitted at the discretion of Safety Officer or appropriately qualified person.					✓

EIA	EM&A	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of	What requirement or	Status
Ref.	Log	(to be implemented when the trigger level is exceeded, where	Recommended	implement	the measures	standards for the measures	
	Ref	necessary)	Measures & Main	the		to achieve?	
			Concerns to	measures?			
			address				
Lands	cape and \	/isual Phases		•			•
S8	LV1	Advanced screening tree planting	To minimise the	Contractor	Entire	DEVB TC(W) No. 4/2020 -	Advanced screen tree
		Early planting using fast growing trees and tall shrubs at	impact on existing		construction	Tree Preservation	planting is under planning.
		strategic locations within site to block major view corridors	vegetation retained		site		
		to the site from the VSRs, and to locally screen haul roads,	by personnel in			DEVB TC(W)) No. 6/2015 -	
		excavation works and site preparation works.	construction			Maintenance of Vegetation	
		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	
		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					within the coming 1
		temporary landscape treatment such as hydroseeding					months.
		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					√
		Transplant existing trees and vegetation, which are					
		identified as ecologically significant in Ecological Impact					
		Assessment and as rare tree species recorded in the tree					
		survey, under circumstances where technically feasible.					
		For all affected trees, the principle of avoidance of tree					
		felling and tree transplanting of tree before felling should					
		apply whenever possible. A tree felling application should					
		be submitted to DEVB-GLTMS and be approved before					
		any trees are felled or transplanted.					
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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 to	
	Ref	necessary)	Measures & Main	the		achieve?	
			Concerns to	measures?			
			address				
Ecolo	Э У				•		
Gener	al Protection	on Measures:					
S10	E1	Restriction of construction activities to the work areas that	To minimise	Contractor	Entire	Practice Note for Professional	✓
		would be clearly demarcated.	environmental		construction	Persons (ProPECC),	
S10	E2	Reinstatement of the work areas immediately after completion	impacts and		site	Construction Site Drainage	✓
		of the works.	therefore potential			(PN1/94)	,
S10	E3	Only well-maintained plant should be operated on-site and plant	ecological impacts				√
		should be serviced regularly during the construction	within and near the			Code of Practice on the	
		programme.	construction site			Packaging, Labelling and	
S10	E4	Machines and plant (such as trucks, cranes) that may be in				Storage of Chemical Wastes,	√
		intermittent use should be shut down between work periods or				EPD (1992)	
		should be throttled down to a minimum.					
S10	E5	Plant known to emit noise strongly in one direction, where				ETWB TC(W)) No. 33/2002	✓
		possible, be orientated so that the noise is directed away from				Management of Construction	•
		nearby NSRs.				and Demolition Material	
S10	E6	Silencers or mufflers on construction equipment should be				Including Rock	To be implemented
	_,	properly fitted and maintained during the construction works.					
S10	E7	Mobile plant should be sited as far away from NSRs as possible				DEVB TC(W) No. 6/2010 Trip	✓
		and practicable.				Ticket System for Disposal of	•
S10	E8	Material stockpiles, site office and other structures should be				Construction and Demolition	√
		effectively utilised, where practicable, to screen noise from on-				Materials	•
		site construction activities.					
						ETWB TC(W)No.19/2005	
S10	E9	Use of "quiet" plant and working methods.				Environmental Management	✓
S10	E10	Construction phase mitigation measures in the Practice Note				on Construction Sites	✓
		for Professional Persons on Construction Site Drainage.					

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
		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 therefore potential ecological impacts within and near the	Contractor	Entire construction	WBTC No. 12/2002, Specifications Facilitating the Use of Recycled Aggregates WBTC Nos. 25/99,25/99A and 25/99C. Incorporation of Information on Construction and Demolition Material Management in Public Works Subcommittee Papers	✓
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.					✓
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				To be implemented during rainy seasons
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.					✓
S10	E15	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources					✓

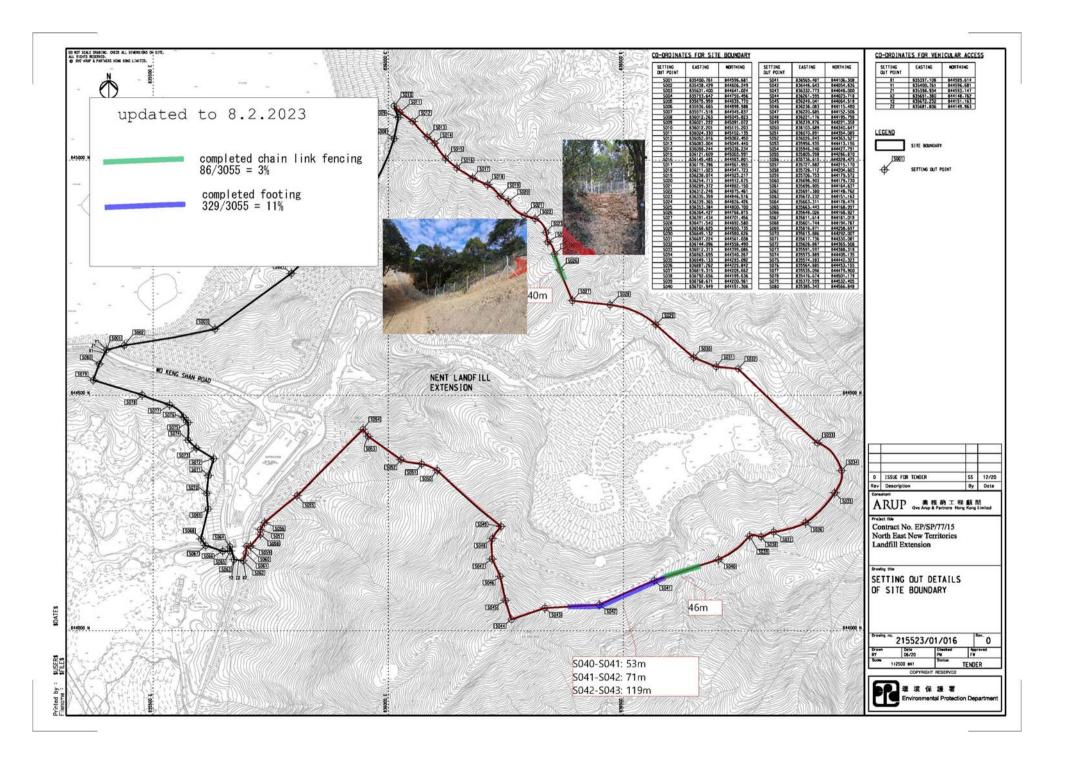
Appendix L Construction Site Activities

Construction Activities	Photos	When	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, site traffic	## OO	Dec 22 to Dec 23	Portion A to SBA	PYE	Dust	Speed limit, covering of materials and water spraying
Permanent site office foundation works with pouring of concrete		Dec 22 to June 23	Portion D	PYE	Washout flowing to site water discharge point, dust emissions	Avoid the spillage of concrete, lorry washing at designated area, operation and maintenance of water treatment facility at discharge point
Site clearance		Dec 22 to June 23	Portion A, Portion E3-1	PYE	Wash out going to surface water channel and site water discharge point, generation of yard waste	Cover exposed slope by tarpaulin, diversion of surface water, operation and maintenance of water treatment facility at discharge point, implementation of trip ticket system
Installation of permanent fencing		Dec 22 to June 23	Portion A, Portion B1, Portion E4	PYE	Dust	Covering of cement storage area, enclosure of mixing area
Site formation		Dec 22 to Dec 23	Portion A	PYE	Generation of C&D waste	Implementation of trip ticket system, waste recycling, internal waste transfer
Tree Felling			Portion A (until Feb 23), Portion E3-1 (until June 23)	PYE	Generation of yard waste	Implementation of trip ticket system, waste recycling, internal waste transfer

Remark:

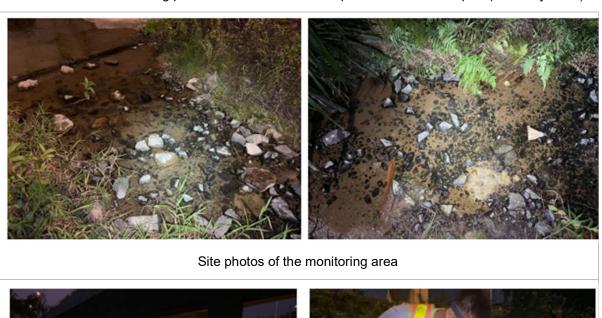
PYE is the Sub-contractor for this project.

Appendix M Mitigation Measures of Cultural Landscape Features



Appendix N Ecological Monitoring Record

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





Hand Netting to search for S. zanklon



Kick-netting to search for $\it S. zanklon$



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



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



Photo B.1.4.: Branch 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 transplanted individual CB-01.



Photo B.2.2.: Leaf condition of the transplanted individual CB-01.



Photo B.2.4.: Stem condition of the transplanted individual CB-01.



B.3 Bottlebrush Orchid Goodyera procera



Photo B.3.1: Individual GP-01. Partially wilted leaf.



Photo B.3.2: Individual GP-02. Leaning.



Photo B.3.3: Individual GP-03. Perforated leaves.



Photo B.3.4: Individual GP-03. Perforated leaves.





Photo B.3.5: Individual GP-04.



Photo B.3.7: Individual GP-05. Partially wilted leaf.



Photo B.3.6: Individual GP-04. Partially wilted leaves.

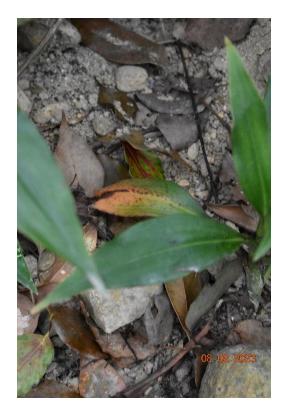


Photo B.3.8: Individual GP-05. Partially wilted leaf.





Photo B.3.9: Individual GP-06. Partially wilted leaf.

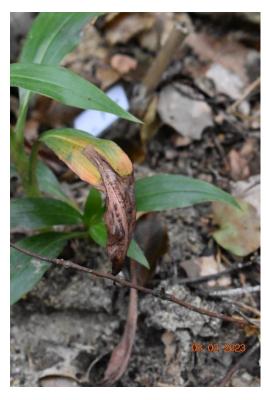


Photo B.3.10: Individual GP-06. Partially chlorotic and wilted leaf.



Photo B.3.11: Individual GP-07.



Photo B.3.12: Individual GP-07. Pest sign.





Photo B.3.13: Individual GP-08. Chlorotic leaves.



Photo B.3.15: Individual GP-09.



Photo B.3.14: Individual GP-08. Minor chlorotic leaves.



Photo B.3.16: Individual GP-10. Holes in leaves.





Photo B.3.17: Individual GP-11. Partially wilted leaves.



Photo B.3.18: Individual GP-12. Perforated leaves.



Photo B.3.19: Individual GP-13.



Photo B.3.20: Individual GP-14. Chlorotic leaves.





Photo B.3.21: Individual GP-15. Partially chlorotic leaves.



Photo B.3.22: Individual GP-16.



Photo B.3.23: Individual GP-17. Partially wilted leaf.



Photo B.3.24: Individual GP-18. Partially wilted leaves.





Photo B.3.25: Individual GP-19.



Photo B.3.26: Individual GP-19. Chlorotic and partially wilted leaves.



B.1 Incense Tree Aquilaria sinensis



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



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



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



Photo B.1.4.: Branch 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 transplanted individual CB-01.



Photo B.2.2.: Leaf condition of the transplanted individual CB-01.



Photo B.2.4.: Stem condition of the transplanted individual CB-01.



B.3 Bottlebrush Orchid Goodyera procera



Photo B.3.1: Individual GP-01.



Photo B.3.3: Individual GP-03. Perforated leaves.



Photo B.3.2: Individual GP-02.



Photo B.3.4: Individual GP-03. Perforated leaves.





Photo B.3.5: Individual GP-04.



Photo B.3.6: Individual GP-04. Partially wilted leaves.



Photo B.3.7: Individual GP-05. Partially wilted leaf.



Photo B.3.8: Individual GP-05. Partially wilted leaf.





Photo B.3.9: Individual GP-06. Partially wilted leaf.



Photo B.3.10: Individual GP-06. Partially wilted leaf.



Photo B.3.11: Individual GP-07.

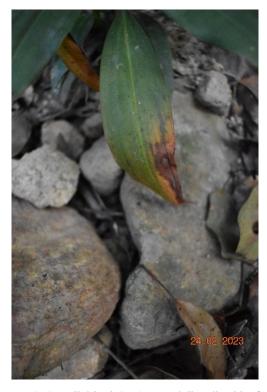


Photo B.3.12: Individual GP-07. Partially wilted leaf.





Photo B.3.13: Individual GP-08. Chlorotic leaves.



Photo B.3.15: Individual GP-09.



Photo B.3.14: Individual GP-08. Minor chlorotic leaves.



Photo B.3.16: Individual GP-10. Holes in leaves.





Photo B.3.17: Individual GP-11. Partially wilted leaves.



Photo B.3.18: Individual GP-12. Perforated leaves.



Photo B.3.19: Individual GP-13.



Photo B.3.20: Individual GP-14. Chlorotic leaves.





Photo B.3.21: Individual GP-15.



Photo B.3.23: Individual GP-17.



Photo B.3.22: Individual GP-16.



Photo B.3.24: Individual GP-18. Partially wilted leaves.





Photo B.3.25: Individual GP-19.



Photo B.3.26: Individual GP-19. Chlorotic leaves.



Appendix O Detail Status of EP Submission

Detail Status of Submissions required under the FEP & EP

FEP Condition	EP Condition	Submission / Measures	Status
2.1	2.3	Management Organization of Main Construction Companies	Submission Date (12 Oct 2022)
2.2	2.4	Setting up of Community Liaison Group	Submission Date (12 Oct 2022)
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	Submission Date (19 Jan 2023)
			1st monitoring (24 Nov 2022)
			2 nd monitoring (9 Dec 2022)
			3 rd monitoring (21 Dec 2022)
			4 th monitoring (13 Jan 2023)
			5 th monitoring (26 Jan 2023)
			6 th monitoring (8 Feb 2023)
			7 th monitoring (24 Feb 2023)
2.8	2.10	Translocation and translocation monitoring	Translocation was carried out in July 2022
			Submission Date (27 December 2022)
			1 st monitoring (29 Aug 2022)
			2 nd monitoring (28 Sep 2022)
			3 rd monitoring (28 Oct 2022)
			4 th monitoring (28 Oct 2022)
			5 th monitoring (29 Dec 2022)
			6 th monitoring (30 Jan 2023)
			7 th monitoring (24 Feb 2023)

FEP Condition	EP Condition	Submission / Measures	Status
2.9	2.11	Submission of Detailed Landfill Gas Hazard Assessment Report	Submission Date (6 Oct 2022)
2.10	2.12	Submission of Waste Management Plan	Submission Date (30 December 2022)
3.2	3.2	Submission of Baseline Monitoring Report	Submission Date (30 Nov 2022)

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