

Our Ref: JC/MC/KW/N74957/24/tt Your Ref: -

13 April 2024

The EIA Ordinance Register Office, 27th floor, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong

Attn: Ms. Trista Lau

Dear Sirs,

Contract No. EP/SP/77/15 North-East New Territories Landfill Extension (NENTX) NENTX – Submission of Quarterly EM&A Report (No. 5) – January to March 2024

In accordance with requirements of the EM&A Manual for the North East New Territories (NENT) Landfill Extension Project (the Project), we are now submitting 2 hard copies and one electronic copy (in CD-ROM format) of the Quarterly EM&A Report (No. 5) – January to March 2024 dated 11 April 2024 together with ET's certification letter and IEC's verification for your perusal.

If you have any questions, please contact our Matt Choy at 2902 5261.

Yours faithfully For and on behalf of VEOLIA HONG KONG HOLDING LIMITED

Billy Lo Deputy Project Manager

Encl.

cc. EPD – Davy Lau / Nikita Chan (by email only) Arup – Anson Cheung (1 copy & email) MIEL – Steve Kok / Claudine Lee (email only) Aurecon – Fredrick Leong (1 copy & email) VHK – JC / MC / KW

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

Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024

2024-04-11



Our Ref.: CL/91823/1163-VES Date: 12 April 2024

By Email

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

Attn.: Mr. Colin Mitchell

Dear Sir

Re: Contract No. EP/SP/77/15 North-East New Territories Landfill Extension (NENTX) Quarterly Environmental Monitoring and Audit Report (No.5) – January to March 2024

I refer to Section 2.6 to 2.10 and Section 12.3 of the Environmental Monitoring and Audit Manual, regarding the submission of a quarterly Environmental Monitoring and Audit report. I hereby verify the captioned "Quarterly Environmental Monitoring and Audit Report (No.5) – January to March 2024" dated 11 April 2024.

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

Yours faithfully MEINHARDT INFRASTRUCTURE AND ENVIRONMENT LTD

Claudine Lee Independent Environmental Checker

your FIRSTCHOICE | Innovative • High-quality • Value-added Solutions



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Ref: P521530-0000-REP-NN-0088

By Email

12 April 2024

Meinhardt Infrastructure & Environment Ltd. 10/F Genesis 33-35 Wong Chuk Hand Road Hong Kong

Attn: Ms. Claudine Lee,

Dear Claudine,

Re: Contract No. EP/SP/77/15 Northeast New Territories Landfill Extension Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024 r1

In accordance with the requirement specified in Section 2.6 to 2.10 & Section 12.3 of Environmental Monitoring and Audit (EM&A) Manual, we are pleased to submit the certified "Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024" dated 11 April 2024 r1 for your verification.

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

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

Fredrick Leong Environmental Team Leader

Encl.

CC.

1. Quarterly Environmental Monitoring and Audit Report (No. 5) - January to March 2024 r1

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

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Document control aurecon						
Report title		Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024				
Document ID			Project number			
File path						
Client		Veolia Hong Kong Holding	Veolia Hong Kong Holding Ltd.			
Client contact			Client reference			
Rev	Date	Revision details/status	Author	Reviewer	Verifier (if required)	Approver
0	10 April 2024	Submit to IEC	J Man	K.Chau		FL
0	11 April 2024	Submit to IEC	J Man	K.Chau		FL
Current revision		1				

Approval			
Reviewer's signature	and the second s	Approver's signature	Freeh
Name	Keith Chau	Name	Fredrick Leong
Title	Associate, Environmental	Title	Environmental Team Leader

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Executive Summary

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

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

This 5th Quarterly EM&A Report presents the EM&A works conducted from 1 January to 31 March 2024 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during Report Period

Construction Activities Undertaken	Reporting Month		
	Jan 2024	Feb 2024	Mar 2024
 Material loading and unloading, site traffic 	\checkmark	\checkmark	\checkmark
- Construction of site buildings	\checkmark	\checkmark	\checkmark
- Site clearance	\checkmark	\checkmark	\checkmark
- Installation of permanent fencing	\checkmark	\checkmark	\checkmark
- Site formation	\checkmark	\checkmark	\checkmark
- Tree felling	\checkmark	\checkmark	\checkmark
Shotcreting (Permanent and Temporary)	\checkmark	\checkmark	\checkmark
Soil Nail Installation	\checkmark	\checkmark	\checkmark

The major construction works undertaken during the reporting period include:

Environmental Exceedance

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

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

Environmental Non-conformance/Compliant/Summons and Prosecution

No non-conformance event, complaint, summons/prosecutions were recorded and received in this reporting period.

1. Introduction

1.1. Background

- 1.1.1. The North East New Territories Landfill Extension (the NENTX Project) is located adjacent to the existing North East New Territories (NENT) Landfill at Ta Kwu Ling. The extension site is located in a valley covering mainly the existing NENT Landfill Stockpile and Borrow Area that was formed to the east of the existing landfill as part of the original site development of the landfill, and layout plan shown in **Figure 1**.
- 1.1.2. The NENTX is a designated project. The Environmental Impact Assessment (EIA) Report (AEIAR-111/2007) and an Environmental Monitoring and Audit Manual were approved on 20 September 2007. The project is governed by an Environmental Permit (EP) (EP-292/2007) which was granted on 26 November 2007. A further of EP (FEP) was applied and the FEP (FEP-01/292/2007) was subsequently granted on 28 April 2022. Another further of EP (FEP-02/292/2007) was subsequently granted on 23 August 2023.
- 1.1.3. In accordance with the requirements specified in Section 2.7 to 2.11 and Section 12.3 of the approved Environmental Monitoring and Audit (EM&A) Manual, Quarterly EM&A report should be submitted to the Director of Environmental Protection (DEP) within 10 working days after the end of the reporting quarter. The submissions shall be certified by the Environmental Team (ET) Leader and verified by the Independent Environmental Checker (IEC).
- 1.1.4. The construction phase and EM&A programme of the Project commenced on 1 December 2022.

1.2. Nature, Scale and Scope of the captioned Designated Project

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

Item(s)	Content	
Nature of Designated Project	Construction and operation of a landfill for waste as defined in the "Waste Disposal Ordinance" (Cap. 354)	
Scale and Scope of Designated Project	 The Project mainly consists of the followings: - Construction and operation of a landfill extension of about 70 hectares with a target void space of at least 19 million cubic metres on the eastern side of the existing NENT Landfill, including the followings: - Site formation and preparation; Installation of liner system; Installation of leachate collection, treatment and disposal facilities; Installation of gas collection, utilization and management facilities; Utilities provisions and drainage diversion; Landfilling operation; Restoration and aftercare in subsequent stages; and 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 5th Quarterly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 January to 31 March 2024.

1.4. Structure of the Report

- 1.4.1. The structure of the report is as follows:
 - Section 1 Introduction
 - details the background, purpose and structure of the report.

Section 2 – Project Information

- summarises background and scope of the Project, site description, project organization and contact details, construction programme, the construction works undertaken and the status of Environmental Permit(s)/License(s) during the reporting period.

Section 3 – Air Quality Monitoring

- Construction Dust

Section 4 – Noise Monitoring

Section 5 – Water Quality Monitoring

- Groundwater Monitoring
- Surface Water Monitoring

Section 6 – Waste Management

- Section 7 Landfill Gas Monitoring
- Section 8 Landscape and Visual
- Section 9 Cultural Heritage
- Section 10 Ecological Monitoring
- Section 11 Site Inspection and Audit
- Section 12 Environmental Non-Conformance
- Section 13 Implementation Status on Environmental Mitigation Measures
- Section 14 Conclusion

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 and detailed construction activities are illustrated in **Appendix A**.

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

Construction Activities Undertaken	Reporting Month		
Undertaken	Jan 2024	Feb 2024	Mar 2024
- Material loading and unloading, site traffic	\checkmark	\checkmark	\checkmark
- Construction of site buildings	\checkmark	\checkmark	\checkmark
- Site clearance	\checkmark	\checkmark	\checkmark
- Installation of permanent fencing	\checkmark	\checkmark	\checkmark
- Site formation	\checkmark	\checkmark	\checkmark
- Tree felling	\checkmark	\checkmark	\checkmark
Shotcreting (Permanent and Temporary)	\checkmark	\checkmark	\checkmark
Soil Nail Installation	\checkmark	\checkmark	\checkmark

2.2. Project Organization & Management Structure

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

Table 2-2 Contact Information of Key Personnel

Party	Name	Contact Number
Contractor (Veolia Hong Kong Holding Ltd.)	Mr. Matt Choy	2902 5296
Independent Environmental Checker (IEC)	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 C**.

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 Report and Post-Transplantation Monitoring	Submitted
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Submitted
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
3.3	3.3	Submission of Monthly EM&A	14 th report (Jan 2024)
		Report	15 th report (Feb 2024)
			16 th report (Mar 2024)

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

2.4. Status of Environmental Approval Document

2.4.1. A summary of the relevant valid permits, licences, and/or notifications on environmental protection for this Project since the granting of the 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-01/292/2007	Throughout the Contract	Permit granted on 28 April 2022
Further Environmental Permit (FEP)	FEP-02/292/2007	Throughout the Contract	Permit granted on23 August 2023
Notification of Construction Works as required under Air Pollution Control (Construction Dust) Regulation	479809	Throughout the Construction Phase	Notified on 13 May 2022
Registration of Waste Producer under Waste Disposal Ordinance	7043692	Throughout the Contract	Registered on 13 April 2022
Registration as Chemical Waste Producer	5213-642-P1034-18	Throughout the Contract	Registered on 11 July 2022
Construction Noise Permit	GW-RN0240-24	7 June 2024	Permit granted on 1 March 2024
Effluent Discharge License under Water Pollution Control	WT00042301-2022	31 October 2027	Permit granted on 18 October 2022 Variation of Licence
Ordinance			(Permit granted on 7 February 2023)

3. Air Quality Monitoring

3.1 Construction Dust

3.1.1 Monitoring Requirement

3.1.1.1 In accordance with the EM&A Manual, 1-hr & 24-hr Total Suspended Particulates (TSP) levels should be measured at the designated air quality monitoring stations in every 6 days to ensure that any deteriorating air quality could be readily detected, and timely action shall be undertaken to rectify such situation. For 1-hr TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs. The specific time to start and stop the 24- hr TSP monitoring shall be clearly defined for each location.

3.1.2 Monitoring Parameters, Frequency and Location

- 3.1.2.1 According to the EM&A Manual, three monitoring stations namely AM(D)1, AM(D)2 and AM(D)3 are selected for the impact monitoring.
- 3.1.2.2 A baseline monitoring plan has been submitted to IEC and EPD on 31 May 2022 including the proposal with justification of change of monitoring locations. Due to limited access to the original monitoring locations at AM(D)1, AM(D)2 and AM(D)3, the adjusted stations at AM1, AM2 and AM3 were agreed with IEC prior to the baseline and impact monitoring. The locations of adjusted dust monitoring locations are shown in **Figure 2**.
- 3.1.2.3 The locations of dust monitoring stations are shown in **Table 3-1**. The monitoring parameters, frequency and duration are shown in **Table 3-2**.

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

Table 3-1 Locations of Dust Monitoring Stations

Remarks:

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

AM(D)1 Tung Lo Hang, AM(D)2 Heung Yuen Wai, AM(D)3 Wo Keng Shan Tsuen are the air monitoring stations for the construction phase EM&A programme as identified in the approved EM&A Manual for the Project. The access to Tung Lo Hang, Heung Yuen Wai and Wo Keng Shan Tsuen were denied. A search for alternative air monitoring locations (AM1, AM2 & AM3) was carried out during the site visit.

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

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

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

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

3.1.3 Monitoring Results

3.1.3.1 The impact dust monitoring results are summarized in **Table 3-3** and **Table 3-4**. The graphical presentations of monitoring data are presented in **Appendix D**.

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

	Average 1-hr TSP Concentration, µg/m³ (Range)			
Month	Dust Monitoring Station			
	AM1	AM2	AM3	
Jan 2024	33 (21 – 59)	50 (40 – 65)	58 (48 – 70)	
Feb 2024	28 (24 – 36)	50 (39 – 56)	54 (40 – 62)	
Mar 2024	32 (22 – 60)	46 (31 – 63)	56 (48 – 71)	
Action Level	>285	>279	>285	
Limit Level	>500			

Table 3-4	Summary of Impact 24-hr TSP Monitoring Results
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	Average 24-hr TSP Concentration, μg/m³ (Range)			
Month	Dust Monitoring Station			
	AM1	AM2	AM3	
Jan 2024	84 (70 – 112)	103 (84 – 119)	105 (80 – 119)	
Feb 2024	98 (86 – 118)	118 (107 – 123)	117 (104 – 143)	
Mar 2024	91 (66 – 117)	82 (60 – 104)	94 (76 – 125)	
Action Level	>164	>152	>163	
Limit Level	>260			

3.1.3.2 The Summary of Impact 1-hr & 24-hr TSP Exceedance are shown in Table 3-5.

Table 3-5	Summary of Impact 1-hr & 24-hr TSP Exceedance
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Dust Monitoring Station		A	VI1	AM2		Α	M3
L Parameters	evel Exceedance	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
1-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0
24-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0

Remarks: * equal to non-project related

3.1.3.3 No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring at AM1, AM2 & AM3 was recorded during the reporting period. The Notification of Environmental Quality Limits Exceedances are presented in **Appendix E**.

3.1.4 Recommended Mitigation Measures

- 3.1.4.1 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.

3.1.5 Event and Action Plan

3.1.5.1 Should non-compliance of the criteria occur, action in accordance with the action plan in **Table 3-6** shall be carried out.

Table 3-6Event 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 		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 		Amend proposal if appropriate

North East New Territories (NENT) Landfill Extension Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024

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

4 Noise Monitoring

4.1 Monitoring Requirement

4.1.1 In accordance with the EM&A manual, noise impact monitoring shall be carried out at 2 monitoring stations NM1 and NM2 once a week during normal construction working hour (0700-1900 Monday to Saturday). The minimum logging interval shall be 30 minutes with average of 6 consecutive Leg 5 mins. L10 and L90 shall also be measured at 5 mins intervals.

4.2 Monitoring Locations, Parameters and Frequency

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

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

Table 4-1 Noise Monitoring Locations

Remarks:

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

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

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

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

Table 4-2	Noise Monitoring	Parameters, Fr	requency and Duration
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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)

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4.3 Monitoring Results

4.3.1 The impact noise monitoring results are summarized in **Table 4-3**. The graphical presentations of monitoring data are presented in **Appendix D**.

Table 4-3	Summary of Noise Monitoring Results during normal working hours
	(07:00-19:00, Monday to Saturday)

	Average Leq, 30min, dB(A) (Range)			
Month	Noise Monitoring Station			
	NM1a	NM2a		
Jan 2024	62.2 (59.6 - 63.2)	54.0 (53.3 – 55.3)		
Feb 2024	60.7 (60.1 - 61.3)	57.0 (55.8 - 57.8)		
Mar 2024	60.4 (60.0 - 60.8)	57.1 (55.2 – 58.6)		
Action Level	When one documented complaint is received			
Limit Level	>75dB(A)			

Remark:

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

- (2) If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.
- 4.3.2 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 E**.
- 4.3.3 No particular observations are identified near the monitoring stations during the monitoring period.

4.4 Recommended Mitigation Measures

- 4.4.1 The recommended noise mitigation measures from EIA report are listed as followed:
 - 1. Use of good site practices to limit noise emissions by considering the following:
 - Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;
 - Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;
 - Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;
 - Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;
 - Mobile plant should be sited as far away from NSRs as possible and practicable;

- Material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from onsite construction activities.
- 2. Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.

4.5 Event and Action Plan

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

Table 4-4 Event and action plan for construction noise monitoring	
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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 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**.

Monitoring	Location	Coordinates (HK Grid)	es (HK Grid)
Station	Location	Easting	Northing
WM1	Upstream of Lin Ma Hang River	836665	845020
WM2	Ping Yuen River	835592	844186
GR3*	Ping Yuen River	835361	844134

Table 5-1 Surface water quality monitoring locations

Remarks:

"*" The monitoring location only conducted based on the environmental complaint.

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

Parameter	Frequency
pH, Electrical conductivity, DO, Turbidity, SS, Alkalinity, COD, BOD₅, TOC, Ammonia- nitrogen, TKN, Nitrate, Sulphate, Sulphite, Phosphate, Chloride, Sodium, Mg, Ca, K, Fe, Ni, Zn, Mn, Cu, Pb, Cd, Coliform Count, Oil and Grease	Once per month

5.2.3 Monitoring Results

5.2.3.1 The summary of monitoring results is presented in **Table 5-3** & **Table 5-4**. Detailed graphical presentations at each monitoring station of surface water quality (DO, SS and Turbidity) at the monitoring stations are given in **Appendix D**.

Table 5-3 Summary of Impact Surface Water Monitoring Results at WM1

	Monitoring Station WM1				
Monitoring Parameter(s)	Monitoring Results		ts		Linglé I
Parameter(s)	Jan 2024	Feb 2024	Mar 2024	Action Level	Limit Level
рН	7.5	7.5	6.6	>7.7	>7.8
DO in mg/L	7.7	7.6	7.6	<7.4	<4
Turbidity in NTU	6.0	8.3	4.4	>9.2	>9.5
Electrical Conductivity in µS/cm	93	123	121		
SS in mg/L	8.2	2.0	4.5	>9.7	>11.4
Alkalinity	16	<1	8		
COD	6	<5	<5		
BOD ₅	<2	<2	<2		
TOC	<1	<1	3		
Ammonia-nitrogen	0.02	0.02	0.04		
TKN	0.3	0.2	0.2		
Nitrate	0.03	0.40	0.02		
Sulphate	4	104	11		
Sulphite	<2	<2	<2		
Phosphate	0.0	0.02	<0.01		
Chloride	6	5	7		
Sodium	8060	4430	8540		
Mg	450	590	520		
Ca	3130	5510	3580		
К	400	1530	360		
Fe	900	60	680		
Ni	<1	1.0	<1		
Zn	<10	35	<10		
Mn	52	9	89		
Cu	<1	2.0	<1		
Pb	<1	<1	<1		
Cd	<2	<0.2	<0.2		
Coliform Count	1400	Not Detected	28		
Oil and Grease Remarks:	<5	<5	<5		

Remarks: "TBC" equal to To Be Confirm

Table 5-4 Summary of Impact Surface Water Monitoring Results at WM2

	Monitoring Station WM2				
Monitoring	N	Ionitoring Resul	onitoring Results		
Parameter(s)	Jan 2024	Feb 2024	Mar 2024	Action Level	Limit Level
рН	7.5	7.4	7.2	>7.6	>7.7
DO in mg/L	7.8	7.5	6.5	<5	<4
Turbidity in NTU	18.5	32.7	78.6	>108.3	>108.9
Electrical Conductivity in µS/cm	225	207	615		
SS in mg/L	14.7	12.3	83.2	>94.7	>94.7
Alkalinity	56	60	62		
COD	7	<5	9		
BOD ₅	<2	<2	2.0		
TOC	1	1	4		
Ammonia-nitrogen	0.23	0.07	0.03		
TKN	0.5	0.2	0.9		
Nitrate	0.22	0.27	0.30		
Sulphate	24	29	10		
Sulphite	<2	<2	<2		
Phosphate	<0.01	<0.01	<0.01		
Chloride	15	7	14		
Sodium	8850	7290	9010		
Mg	1600	1450	1350		
Ca	27400	25400	20000		
К	3840	3490	4020		
Fe	1920	1620	7340		
Ni	5	1	3		
Zn	18	10	36		
Mn	836	822	2290		
Cu	2	1	4		
Pb	1	<1	5		
Cd	<2	<0.2	<0.2		
Coliform Count	12000	3400	4200		
Oil and Grease	<5	<5	<5		

Remarks: "TBC" equal to To Be Confirm

5.2.3.2 The Summary of Impact Surface Water Quality Exceedance are shown in Table 5-5.

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

Surface Water Quality Monitoring Station		M1	WM2	
Level Exceedance	Action Level	Limit Level	Action Level	Limit Level
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	_	_	-
Exceedance Count	0	0	0	0
	Exceedance Date Exceedance Count Exceedance Date Exceedance Count Exceedance Date Exceedance Count Exceedance Count Exceedance Date	LevelExceedance Date-Exceedance Count0Exceedance Date-Exceedance Count0Exceedance Date-Exceedance Count0Exceedance Count0Exceedance Date-Exceedance Date0Exceedance Date0Exceedance Date0Exceedance Date0Exceedance Count0	LevelLevelExceedance Date-Exceedance Count0Exceedance Date-Exceedance Count0Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Count0Exceedance Count0Exceedance Date-Exceedance Date-Exceedance Date0Exceedance Date0	LevelLevelLevelExceedance DateExceedance Count00Exceedance DateExceedance Count00Exceedance Count00Exceedance DateExceedance DateExceedance Count00Exceedance Count00Exceedance DateExceedance DateExceedance Date00Exceedance Date00

ks: * equal to non-project relate

5.2.3.3 No exceedance of Action and Limit Levels of surface water monitoring was recorded during the reporting period. The Notification of Environmental Quality Limits Exceedance is presented in Appendix E.

5.2.4 Recommended Mitigation Measure

- 5.2.4.1 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.

5.2.5 Event and Action Plan

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

Table 5-6 Event and Action Plan for Water Quality

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

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Event	ET	IEC	Contractor
Limit Level being exceeded by one sampling day	 Repeat in situ measurement to confirm findings Identify source(s) of impact Prepare Notification of Exceedance Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods Discuss mitigation measures with IEC and Contractor Ensure mitigation measure are implemented 	 Verify Notification of Exceedance Check monitoring data submitted By ET and Contractor's working method Discuss with ET and Contractor on possible remedial actions Review the proposed mitigation measures Supervise the implementation of mitigation measures 	 Take immediate corrective actions to avoid further exceedance Submit proposal of mitigation
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 	 Take immediate corrective actions to avoid further exceedance Submit proposal of mitigation measures to IEC Implement the agreed mitigation

6 Waste Management

- **6.1** 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 F**.
- **6.2** 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

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

Table 7-1 Locations of LFG Monitoring during reporting period

Monitoring Period	Monitoring Location	Type of works
Jan to Mar 2024	Portion A +50 mpD to 70 mpD Platform	Excavation Works

7.3 Monitoring Results

The LFG monitoring was conducted at Portion A +50 mpD to 70 mpD Platform during the 7.3.1 reporting period (conducted on working days). The LFG monitoring results are summarized in Table 7-2.

Table 7-2	ble 7-2 Summary of LFG Monitoring Results				
LFG	Monitoring	Monitoring Parameter(s)			
Monitoring Station	Date	CH₄ in %	LEL in %/v	CO ₂ in %	O₂ in %
		Average Monitoring Results (Range)			
Portion A +50 mpD to 70 mpD Platform	Jan 2024	0	0	0	20.1
					(20.0 – 20.2)
	Feb 2024	0	0	0	20.2
					(20.0 – 20.2)
	Mar 2024	0	0	0	20.1
					(20.1 – 20.2)
Action Level		>10% LEL		>0.5%** CO ₂	<19%
Limi	it Level	>20% LEL		>1.5% CO2	<18%
LEL: Lower Explosive Limit - concentrations in air below which there is not enough fuel to continue an explosion.					

ble 7-2	Summary of LFG Monitoring Results

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

- No exceedance of Action and Limit Levels of LFG was recorded during the reporting period. 7.3.2 The Notification of Environmental Quality Limits Exceedance is presented in Appendix E.
- 7.3.3 No effect that arose from the other special phenomena and work progress of the concerned site was noted during the current monitoring month.

7.4 Recommended Mitigation Measures

- The recommended landfill gas mitigation measures from EIA report are listed as followed: 7.4.1
 - Special LFG precautions should be taken due to close proximity of NENT landfill extension site to existing landfill to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity).
 - Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during excavation works.
 - No smoking or burning should be permitted on-site.
 - Prominent 'No smoking' and 'No Naked Flames' signs should be erected on-site.
 - No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.
 - Adequate fire fighting equipment should be provided on-site.
 - Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark arrestors.
 - Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.
 - 'Permit to Work' system should be implemented.

 Welding, flame-cutting or other hot works should be conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.

7.5 Event and Action Plan (EAP)

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

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 (CH4)	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%

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

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

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

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

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 G**.

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 22 August 2022. All the graves as shown on Figure 2 attached to the FEP were abandoned and removed and no mitigation or preservation measures is necessary.
- 9.1.4 The Survey Report and Mapping Records for Boulder Paths BP1 & 2 was certified by ET on 10 Oct 2022, was verified by IEC and submitted to EPD on 12 Oct 2022. The Conditions of G2, G4, G5 G6, G7, G8, G14, G15, G25, G26 and G27 within NENTX was certified by ET, was verified by IEC and submitted to EPD on 15 Oct 2022. No later than four weeks before commencement of construction of the project in accordance with Condition 2.4 of the FEP-01/292/2007.
- 9.1.5 Implementation of the mitigation measures such as permanent fencing to protect the boulder path and setting up warning notices during construction phase of the Project has been monitored through the regular site inspection/audit. The permanent fencing locations are shown in **Appendix H**. In case of any presence of undiscovered grave during construction phase, AMO will be informed as soon as possible.

10 Ecological Monitoring

- 10.1.1 The post-transplantation monitoring had been completed in October 2023. No further posttransplantation monitoring will be conducted in accordance with the requirement of the approved Transplantation Proposal for Plant Species of Conservation Importance (Rev.1).
- 10.1.2 The post-translocation monitoring had been completed in July 2023. No further posttranslocation monitoring will be conducted in accordance with the requirements of the Revised Translocation Proposal for the Endemic Freshwater Crab *Somanniathelphusa zanklon*.
- 10.1.3 The details of requirements, monitoring results and site inspection with photos for the posttranslocation 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	24 Nov 2022
transplantation	2 nd	9 Dec 2022
Monitoring	3 rd	21 Dec 2022
	4 th	13 Jan 2023
	5 th	26 Jan 2023
	6 th	8 Feb 2023
	7 th	24 Feb 2023
	8 th	20 Mar 2023
	9 th	21 Apr 2023
	10 th	12 May 2023
	11 th	16 Jun 2023
	12 th	18 Jul 2023
	13 th	11 Aug 2023
	14 th	15 Sep 2023
	15 th	13 Oct 2023
Post-	1 st (Aug 2022)	29 Aug 2022
translocation	2 nd (Sep 2022)	28 Sep 2022
Monitoring	3 rd (Oct 2022)	28 Oct 2022
	4 th (Nov 2022)	22 Nov 2022
	5 th (Dec 2022)	29 Dec 2022
	6 th (Jan 2023)	30 Jan 2023
	7 th (Feb 2023)	24 Feb 2023
	8 th (Mar 2023)	20 Mar 2023
	9 th (Apr 2023)	19 Apr 2023
	10 th (May 2023)	17 May 2023
	11 th (Jun 2023)	7 Jun 2023
	12 th (Jul 2023)	12 Jul 2023

11 Site Inspection and Audit

- 11.1.1 Site Inspection and audits were carried out by ET on weekly basis to monitor the implementation of proper environmental management practices and mitigation measures in the Project Site.
- 11.1.2 Total 13 weekly environmental site inspections were conducted during the reporting period. 3 of them were the joint environmental site inspections with the representatives of ER, Contractor, IEC and ET. There was no noncompliance recorded during the site inspections.
- 11.1.3 Details of observations and recommendations are summarized in **Table 11-1**.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Air Quality	02 Jan 2024	Observation: Unpaved main haul road was dry and fugitive dust was observed, especially at Portion E4.	The Contractor was advised to provide enough water sprayers for short-term dust control to ensure that all unpaved roads are wetted and also implement other measurements like shotcrete to pave all main haul road for long term dust control.
	08 Jan 2024	Observation: The unpaved main haul road at SBA was dry and fugitive dust was observed.	The Contractor was advised to regularly water the unpaved main haul road to ensure it stays moist and to pave it for long-term dust control.
	15 Jan 2024	Observation: Dusty material (Cement) at SBA without covered by impervious sheet properly or placed in an area sheltered on the top and the 3 side was observed.	The Contractor was recommended that the loading, unloading or transfer, handing or storage of cement should be cover entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides to prevent dust suppression or sprayed with water to maintain the entire surface wet. They had also been recommended to provide training courses on dust control during the shotcrete process.
	29 Jan 2024	Observation: Stockpiling of dusty material without covered by impervious sheet at SBA was found.	The Contractor was recommended that dusty materials should be covered by impervious sheet to prevent dust dispersion.
	29 Jan 2024	Reminder: The Contractor was reminded that activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA shall be carried out in a totally enclosed system or facility at Portion E4 to prevent dust dispersion.	

 Table 11-1
 Observations and Recommendations of Site Audit

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Air Quality	5 Feb 2024	Observation: The exposed slope area at Portion B2 without covered by impervious sheet was observed.	The Contractor was advised to cover the exposed slope area by impervious sheet for short-term slope protection, and shotcrete for long-term slope protection.
	15 Feb 2024	Observation: The main haul road is dry and fugitive dust was observed at Portion E4 and SBA.	The Contractor was reminded to increase the frequency of watering to ensure that the surface of assess road is wetted and to prevent dust dispersion.
	15 Feb 2024	Reminder: The Contractor was reminded that the stockpiling of dusty material shall be covered by impervious sheet.	
	26 Feb 2024	Observation: Unpaved main haul road was dusty and fugitive dust was observed at Portion SBA and Portion E4.	The Contractor was advised to increase the frequency of watering to ensure that the unpaved haul road surface is wetted and prevent dust dispersion.
	4 Mar 2024	Observation: More than 20 bags of cement or dry PFA and activities of loading, unloading, transfer, handing or storage of bulk cement or dry PFA without covered by impervious sheet or placed in an area sheltered on the top and 3 sides were observed at SBA.	The Contractor was advised that every stock of more than 20 bags of cement or dry PFA, and activities involving bulk cement or dry PFH, should be covered by impervious sheeting or placed in an area sheltered on the top and three sides.
	4 Mar 2024	Observation: The exposed earth slope at Portion B1-2 shall be covered by impervious sheet for short-term slope protection and shotcrete within 6 months after last construction activities.	The Contractor was recommended to provide impervious sheet for portion B1-2 slope protection to prevent dust dispersion.
	11 Mar 2024	Observation: The exposed slope surface without covered by impervious sheet temporarily at Portion B2 was observed.	The Contractor was reminded that the exposed slope surface should be covered by impervious sheet temporarily and shotcreted for long-term slope protection at Portion B2.
	25 Mar 2024	Observation: NRMM label shall be fixed on the generator and excavator at Portion E3-1A.	The Contractor was reminded to display NRMM label on the generator and excavator at Portion E3-1A.
	25 Mar 2024	Observation: Unpaved main haul road at Portion E3-1A and E4 shall be wetted by water spraying.	The Contractor was advised to increase the frequency of watering to ensure that the surface of the unpaved haul road is wetted and to prevent dust dispersion.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Noise	29 Jan 2024	Reminder:	
		The Contractor was reminded to ensure that the door of the generator shall be closed while it is operating to reduce the noise produced.	
Water Quality	15 Jan 2024	Observation: The exposed slope surface at SBA without covered by impervious sheet properly was found.	The Contractor was reminded that the exposed slope surface should be properly covered with impervious sheet.
	15 Jan 2024	Observation: Damaged silt fence around the stockpile area at SBA was observed.	The Contractor was advised to provide maintenance for the silt fence.
	22 Jan 2024	Reminder: The Contractor was reminded to provide temporary slope surface protection for the exposed slope surface at Portion B2 before completing the concrete surface protection by February.	
	29 Jan 2024	Observation: Insufficient silt fence around the soil stockpiling area at SBA was observed.	The Contractor was advised to provide sufficient silt fence around the soil stockpiling area to prevent sediment from entering the system.
	5 Feb 2024	Observation: The exposed slope area at Portion B2 without covered by impervious sheet was observed.	The Contractor was advised to cover the exposed slope area by impervious sheet for short-term slope protection, and shotcrete for long-term slope protection.
	26 Feb 2024	Observation: The accumulation of deposited silt and grit was observed at Portion A.	The contractor was recommended to clean up and remove the deposited silt and grit regularly to prevent silt accumulation.
	4 Mar 2024	Reminder: The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.	
	11 Mar 2024	Reminder: The stagnant water was observed at Portion A and D.	The Contractor was advised to install efficient channels at Portion A and D to properly direct stormwater to silt removal facility.
	11 Mar 2024	Observation: The exposed slope surface without covered by impervious sheet temporarily at Portion B2 was observed.	The Contractor was reminded that the exposed slope surface should be covered by impervious sheet temporarily and shotcreted for long-term slope protection at Portion B2.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Water Quality	11 Mar 2024	Reminder: The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.	
	18 Mar 2024	Observation: The accumulation of deposited silt and grit was observed at Portion A.	The Contractor was recommended to install an efficient channel at Portion A to properly direct stormwater to silt removal facility and clean up the deposited silt and grit regularly.
	18 Mar 2024	Reminder: The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.	
	25 Mar 2024	Reminder: The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.	
Waste and Chemical Management	29 Jan 2024	Observation: The oil drum and chemical containers without chemical drip tray at Portion E4 was found.	The Contractor was reminded to provide the sufficient drip tray for chemical storage to avoid chemical spillage and land contamination.
	5 Feb 2024	Observation: The accumulation of C&D materials at Portion D was observed.	The Contractor was reminded to provide enough waste skip for waste storage to avoid waste accumulation.
	5 Feb 2024	Observation: The chemical containers at Portion D shall be stored and placed in the drip tray	The Contractor was recommended to provide sufficient chemical drip tray for chemical storage to prevent chemical spillage.
	5 Feb 2024	Reminder: The Contractor was reminded that general waste shall be collected into the enclosed rubbish bins.	
	19 Feb 2024	Observation: The chemical containers without stored and placed on the drip tray at portion D and E3-1 is observed.	The Contractor was advised to provide enough drip tray at portion D and E3-1 for chemical storage to prevent chemical spillage.
	26 Feb 2024	Observation: Oil stain was found in the work area at Portion D and Portion A	The Contractor was reminded to clean up the oil stain immediately and dispose of it as chemical waste. Also, the impervious sheet should be provided during using and placing chemicals.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Waste and Chemical Management	26 Feb 2024	Observation: The accumulation of general waste and C&D waste was observed at Portion A.	The Contractor was recommended to provide sufficient enclosed bins for general waste disposal and waste skip for C&D waste disposal to separate and dispose the general and construction wastes.
	26 Feb 2024	Observation: The chemical containers at Portion A shall be stored and placed properly.	The Contractor was advised to provide drip tray for chemical storage to prevent chemical spillage and land contamination.
	4 Mar 2024	Observation: The general waste and food waste at portion D shall be disposed into enclosed rubbish bins.	The Contractor was reminded to provide an enclosed rubbish bins for waste disposal to ensure the site clean tidy.
	4 Mar 2024	Observation: The chemical containers at portion B1-2 and oil drum at SBA shall be placed at the chemical trip tray.	The Contractor was advised to provide chemical drip tray for chemical storage to prevent chemical spillage.
	11 Mar 2024	Observation: The accumulation of waste was observed at Portion D.	The Contractor was recommended to increase waste disposal frequently if necessary to avoid waste accumulation.
	11 Mar 2024	Observation: The chemical container at Portion B2 shall be placed on the drip tray.	The Contractor was reminded to provide the chemical drip tray for chemical storage to prevent chemical spillage.
	18 Mar 2024	Observation: The general waste and C&D waste at Portion A shall be disposed and stored in enclosed bins and waste skip properly.	The Contractor was reminded to increase the capacity and the number of enclosed bins and waste skips at Portion A for waste storage and disposal and clean up the accumulation of general waste and C&D waste regularly.
	18 Mar 2024	Observation: The oil drum and chemical containers at Portion A shall be placed in the chemical drip tray with labelling.	The Contractor was advised to provide enough chemical drip tray for chemical storage and label them in English and Chinese to recognize chemical container.
	25 Mar 2024	Observation: General waste (e.g. food waste) shall be collected in enclosed bin at Portion E3-1A.	The Contractor was recommended to provide sufficient enclosed bin at Portion E3-1A for general waste collection and storage.
Landscape and Visual Impact	No specific obs	servation was identified in the reportir	ng period.
Permit / Licenses	No specific ob	servation was identified in the reportir	ng period.

11.1.4 One general site inspection on 25 January 2024 was conducted by Environmental Protection Department-Regional Office (North) (EPD-RNG).

12 Environmental Non-conformance

12.1 Summary of Monitoring Exceedance

Air Quality Monitoring

12.1.1 No Action / Limit Level exceedance impact monitoring was recorded at designated monitoring stations during the reporting period. The Summary of Impact 1-hr & 24-hr TSP Exceedance are shown in **Table 12-1**.

Table 12-1 Summary of Impact 1-hr & 24-hr TSP Exceedance during the reporting period

Dust Mon	Dust Monitoring Station		AM1		AM2		M3
Parameters	evel Exceedance	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
1-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0
24-hr TSP	Exceedance Date	-	-	-	-	-	-
	Exceedance Count	0	0	0	0	0	0

Remarks: * equal to non-project related

Noise Monitoring

12.1.2 No exceedance of the Action and Limit Levels was recorded at designated monitoring stations during the reporting period. The Summary of Impact Noise Exceedance are shown in Table 12-2.

Table 12-2 Summary of Impact Noise Exceedance during the reporting period

Noise Moni	toring Station	NM1(a)		NM2(a)	
Parameters	Level Exceedance	Action Level	Limit Level	Action Level	Limit Level
LA _{eq} (30mins)	Exceedance Date	-	-	-	-
Demoster termolite e	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

Surface Water Quality Monitoring

12.1.3 No exceedance of Action and Limit Levels of surface was recorded at designated monitoring stations during the reporting period. The Summary of Impact Surface Water Quality Exceedance are shown in **Table 12-3**.

Table 12-3 Summary of Impact Surface Water Quality Exceedance during the reporting period

Surface Water Quality Monitoring Station		WM1		M2
Level Exceedance	Action Level	Limit Level	Action Level	Limit Level
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	-	-	-
Exceedance Count	0	0	0	0
Exceedance Date	-	_	_	_
Exceedance Count	0	0	0	0
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Remarks: * equal to non-project related

Landfill Gas Monitoring

12.1.4 No exceedance of the Action and Limit Levels for were recorded at designated monitoring stations during the reporting period. The Summary of Landfill Gas Exceedance are shown in **Table 12-4**.

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

Landfill Ga	as Monitoring Station		mpD to 70 mpD form
	Level Exceedance	Action Level	Limit Level
Parameters			
CH₄	Exceedance Date	-	-
	Exceedance Count	0	0
CO ₂	Exceedance Date	-	-
	Exceedance Count	0	0
O ₂	Exceedance Date	-	-
	Exceedance Count	0	0

Remarks: * equal to non-project related

12.2 Summary of Environmental Non-compliance

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

12.3 Summary of Environmental Complaint

12.3.1 No environmental complaint was recorded during the reporting period. The cumulative statistics on environmental complaints are presented in **Table 12-5.**

			Environmental Aspects				
Repo	orting Period	Air Quality	Noise	Water Quality	Waste	Ecology	
lan 2024	Complaint Date	-	-	-	-	-	
Jan 2024	No. of Complaint	0	0	0	0	0	
E. 6 0004	Complaint Date	-	-	-	-	-	
Feb 2024	No. of Complaint	0	0	0	0	0	
NA 0004	Complaint Date	-	-	-	-	-	
Mar 2024	No. of Complaint	0	0	0	0	0	
Total during	the reporting period	0	0	0	0	0	
Accum	ulate of project	1	0	5	0	0	

Table 12-5 Cumulative Statistics on Environmental Complaints

Remarks: * equal to non-project related after the investigation.

12.3.2 Cumulative complaint / enquiry log, Summaries of complaints and enquiries & Environmental complaint reports are presented in **Appendix I**.

12.4 Summary of Environmental Summons and Successful Prosecution

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

13 Implementation Status on Environmental Mitigation Measures

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

14 Conclusion

- 14.1.1 1-hr & 24-hr TSP impact monitoring was carried out in the reporting period. No Action / Limit Level exceedance for 1-hr & 24-hr TSP impact monitoring at AM1, AM2 & AM3 was recorded during the reporting period.
- 14.1.2 Construction noise monitoring was carried out in the reporting period. No Action / Limit Level exceedance for construction noise monitoring at NM1a & NM2a was recorded during the reporting period.
- 14.1.3 Site clearance of future landfilling area is in progress. The installation of groundwater monitoring boreholes will be installed after the site formation work of the landfilling area. The target commencement period of groundwater monitoring will be in 2026. No groundwater monitoring is required before the completion of site formation work of the landfilling area.
- 14.1.4 Surface water monitoring was carried out in the reporting period. No Action / Limit Level exceedance for surface water monitoring at WM1 & WM2 was recorded during the reporting period.
- 14.1.5 Landfill Gas Monitoring was carried out in the reporting period. No exceedance of Action and Limit Levels of LFG was recorded during the reporting period.
- 14.1.6 In terms of cultural heritage, implementation of the mitigation measures such as permanent fencing to protect the boulder path and setting up warning notices during construction phase of the Project has been monitored through the regular site inspection/audit in the reporting period. All the mitigation measures are in order.
- 14.1.7 no post-transplantation monitoring, and no post-translocation monitoring was conducted during the reporting period.
- 14.1.8 13 environmental site inspections were carried out in the reporting period. Recommendations on mitigation measures for Permit/ Licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 14.1.9 No environmental complaint was recorded during the reporting period.
- 14.1.10 No non-compliance event was recorded during the reporting period.
- 14.1.11 No notification of summons and prosecution was received during the reporting period.

Comment and Recommendations

- 14.1.12 The recommended environmental mitigation measures, as proposed in the EIA reports and EM&A Manuals shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.
- 14.1.13 According to the environmental audit performed in the reporting period, the following recommendations were made:

Air Quality Impact

- The Contractor was advised to provide enough water sprayers for short-term dust control to ensure that all unpaved roads are wetted and also implement other measurements like shotcrete to pave all main haul road for long term dust control.
- The Contractor was advised to regularly water the unpaved main haul road to ensure it stays moist and to pave it for long-term dust control.
- The Contractor was recommended that the loading, unloading or transfer, handing or storage of cement should be cover entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides to prevent dust suppression or sprayed with water to maintain the entire surface wet. They had also been recommended to provide training courses on dust control during the shotcrete process.

- The Contractor was recommended that dusty materials should be covered by impervious sheet to prevent dust dispersion.
- The Contractor was advised to cover the exposed slope area by impervious sheet for short-term slope protection, and shotcrete for long-term slope protection.
- The Contractor was advised that every stock of more than 20 bags of cement or dry PFA, and activities involving bulk cement or dry PFH, should be covered by impervious sheeting or placed in an area sheltered on the top and three sides.

Construction Noise Impact

• The Contractor was reminded to ensure that the door of the generator shall be closed while it is operating to reduce the noise produced.

Water Quality Impact

- The Contractor was reminded that the exposed slope surface should be properly covered with impervious sheet.
- The Contractor was advised to provide maintenance for the silt fence.
- The Contractor was advised to provide sufficient silt fence around the soil stockpiling area to prevent sediment from entering the drainage system.
- The Contractor was advised to cover the exposed slope area by impervious sheet for short-term slope protection, and shotcrete for long-term slope protection.
- The Contractor was recommended to clean up and remove the deposited silt and grit regularly to prevent silt accumulation.
- The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.
- The Contractor was advised to install efficient channels to properly direct stormwater to silt removal facility and clean up the deposited silt and grit regularly.

Waste and Chemical Management

- The Contractor was reminded to provide the sufficient drip tray for chemical storage to avoid chemical spillage and land contamination.
- The Contractor was reminded to provide enough waste skip for waste storage to avoid waste accumulation.
- The Contractor was reminded to clean up the oil stain immediately and dispose of it as chemical waste. Also, the impervious sheet should be provided during using and placing chemicals.
- The Contractor was recommended to provide sufficient enclosed bins for general waste disposal and waste skip for C&D waste disposal to separate and dispose the general and construction wastes.
- The Contractor was recommended to increase waste disposal frequently if necessary to avoid waste accumulation.
- The Contractor was reminded to increase the capacity and the number of enclosed bins and waste skips for waste storage and disposal and clean up the accumulation of general waste and C&D waste regularly.
- The Contractor was advised to provide label in English and Chinese to recognize chemical container.

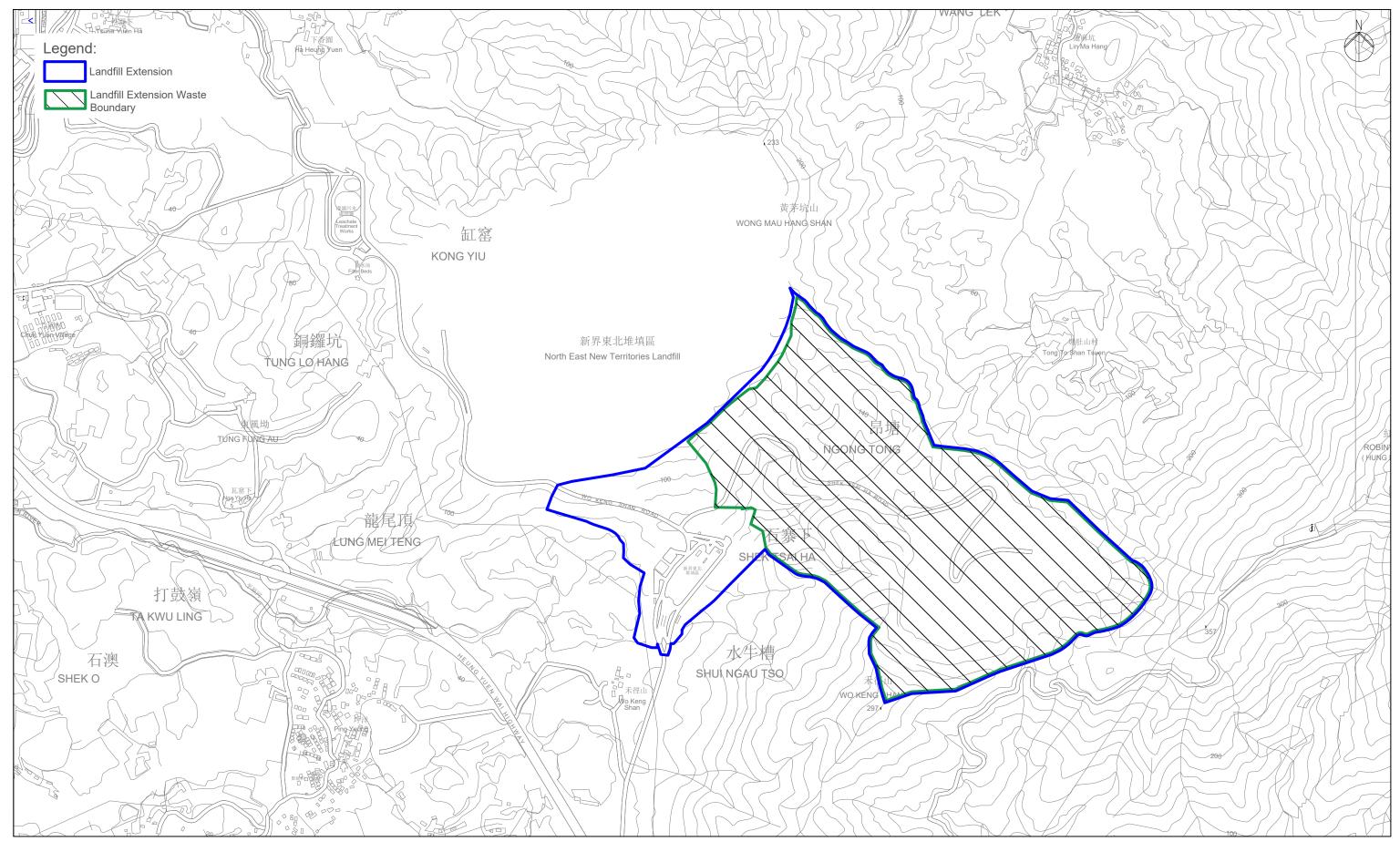
Landscape and Visual Impact

• No specific observation was identified in the reporting period.

Permit / Licenses

- No specific observation was identified in the reporting period.
- 14.1.14 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 implemented mitigation measures are considered effective.
- 14.1.15 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



Aurecon Hong Kong Limited

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

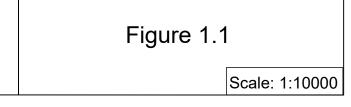
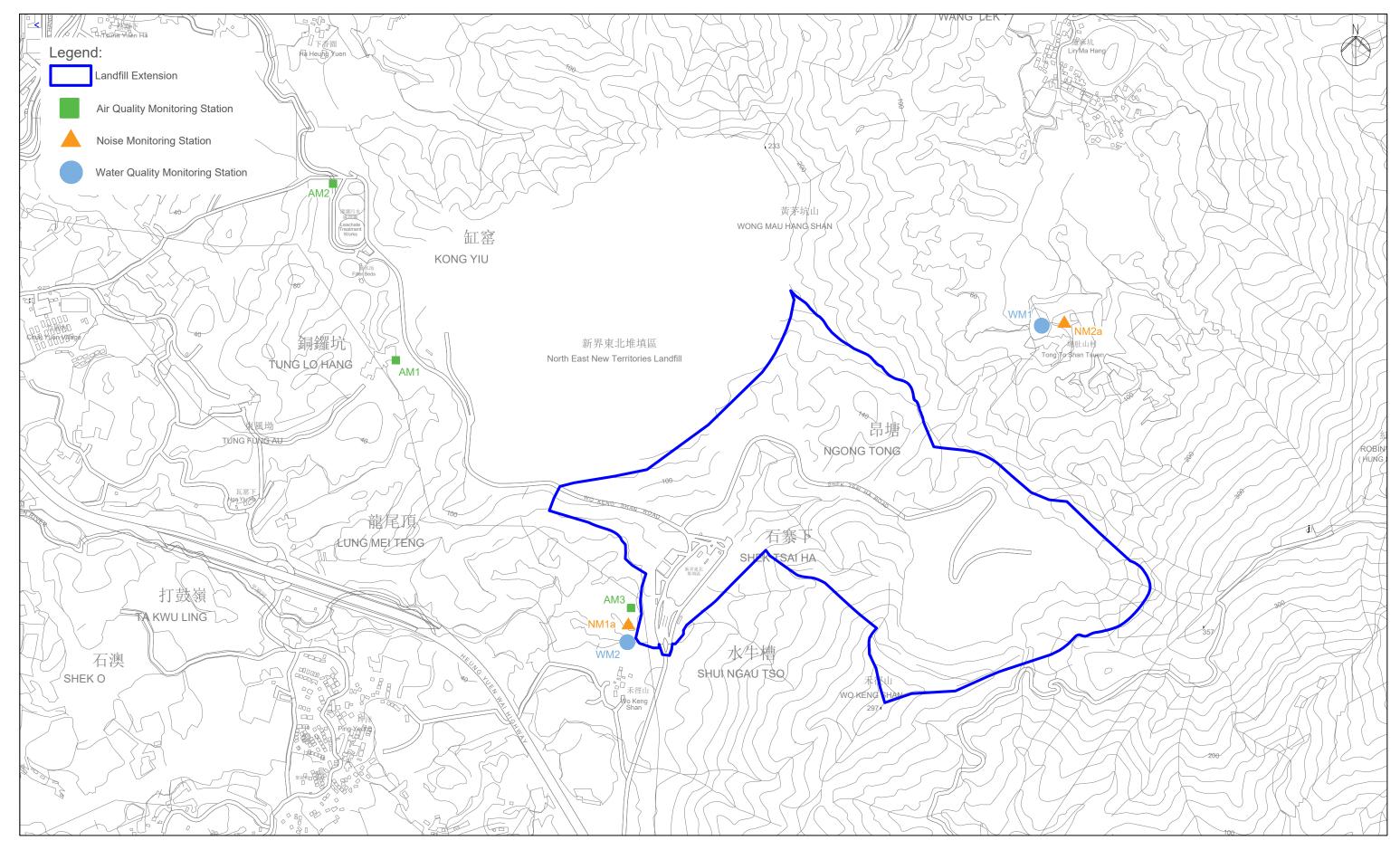


Figure 2 Impact Air, Noise & Surface Water Quality Monitoring Locations



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

Aurecon Hong Kong Limited

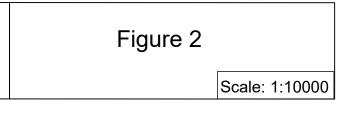


Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point • Monitoring Frequency: 2 times per day

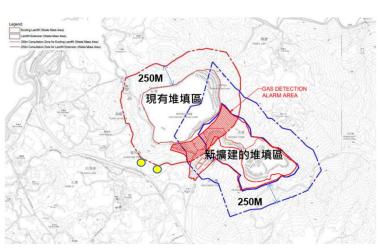
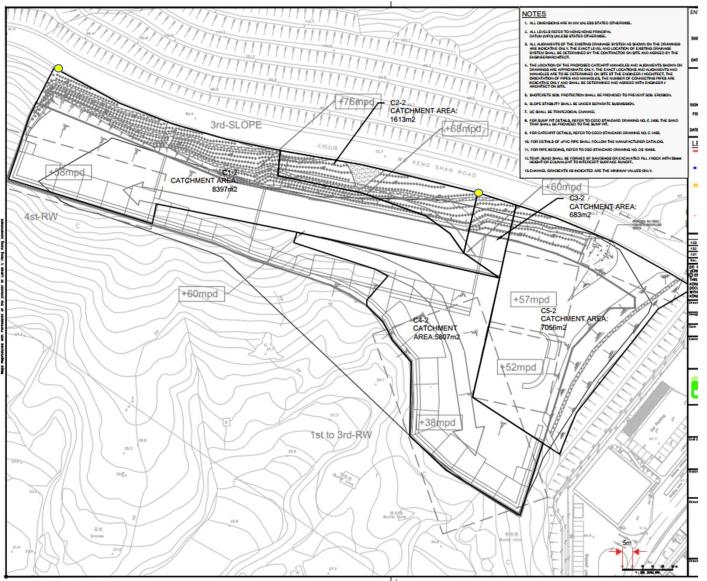


Figure 3 Landfill Gas Monitoring Locations



AppendixAConstructionProgramme&Construction Site Activities

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Landscape Works (Landfill) 300 24-Sep.24 30-Sep.25 27-Dec.24 03-arx8 0 76 SINSPECTION 450 11-Och24 04-Jarx8 11-Och24 04-Jarx8 11-Och24 04-Jarx8 10-Och24 04-Jarx8 0	Landscape Works (Landfill) 300 24-Sep 24 30-Sep 25 27-Dec 24 0-Jan 26 10 76 SINSPECTION 450 11-Oct-24 0-Jan 26 0				
FS INSPECTION 450 14-Oct-24 04-Jan-26 11-Oct-24 04-Jan-26 11-Oct-24 04-Jan-26 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26 06-Sep-25	FS INSPECTION 450 11-Oct-24 04-Jan-26 11-Oct-24 04-Jan-26 06-Sep-25 04-Jan-26 0 0 0 0 0 0 0 0 0 0 0 0 0				
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			1248 04-Sep-22 A 01-Feb-26 28-Feb-23 01-Feb-26 15-Mar-23 01-Feb-26 0		
		Construction	1418 16-Feb-22 A 03-Jan-26 28-Feb-23 03-Jan-26 02-Mar-23 04-Jan-26 00 0		
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環境保護署 Environmental Protection Department Critical Remaining Work Critical R	環境保護署 Environmental Protection Department Protection Department Owner Critical Remaining Work Out Critical Remai	環境保護署 Environmental Protection Department Critical Remaining Work ● ◆ Milestone	Ececutive Summary		



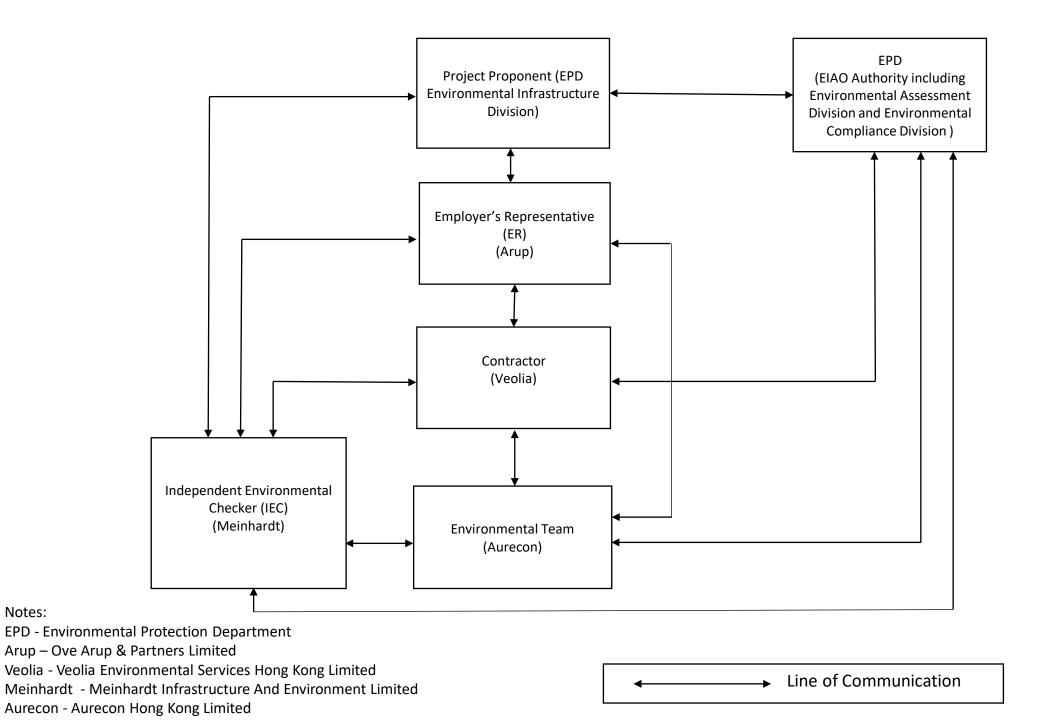


Construction Activities	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, site traffic	Portion A, SBA to Alternative Disposal Ground	PYE	Dust, bringing mud to the common haul road	Speed limit, covering of materials and water spraying, lorry washing at the exit of the site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

Remark:

PYE is the Sub-contractor for this project

Appendix B Project Organization Chart & Management Structure



Appendix C Detail Status of FEP & EP Submission

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

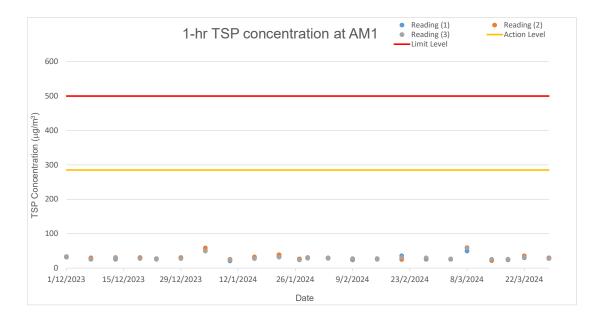
Detail Status of Submissions required under the FEP & EP

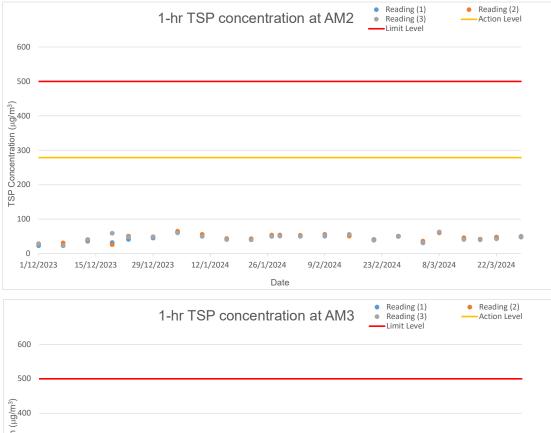
FEP Condition	EP Condition	Submission / Measures	Status
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Translocation was carried out in July 2022
			Submission Date (27 December 2022)
			1 st monitoring (29 Aug 2022)
			2 nd monitoring (28 Sep 2022)
			3 rd monitoring (28 Oct 2022)
			4 th monitoring (22 Nov 2022)
			5 th monitoring (29 Dec 2022)
			6 th monitoring (30 Jan 2023)
			7 th monitoring (24 Feb 2023)
			8 th monitoring (20 Mar 2023)
			9 th monitoring (19 Apr 2023)
			10 th monitoring (17 May 2023)
			11 th monitoring (7 Jun 2023)
			12 th monitoring (12 Jul 2023)
2.9	2.11	Submission of Detailed Landfill Gas Hazard Assessment Report	Submission Date (6 Oct 2022)
2.10	2.12	Submission of Waste Management Plan	Submission Date (30 December 2022)
3.2	3.2	Submission of Baseline Monitoring Report	Submission Date (30 Nov 2022)
3.3	3.3	Submission of Monthly EM&A	1 st report (Dec 2022)
		Report	2 nd report (Jan 2023)
			3 rd report (Feb 2023)
			4 th report (Mar 2023)
			5 th report (Apr 2023)
			6 th report (May 2023)
			7 th report (Jun 2023)
			8 th report (Jul 2023)
			9 th report (Aug 2023)
			10 th report (Sep 2023)
			11 th report (Oct 2023)
			12 th report (Nov 2023)
			13 th report (Dec 2023)
			14 th report (Jan 2024)
			15 th report (Feb 2024)
			16 th report (Mar 2024)

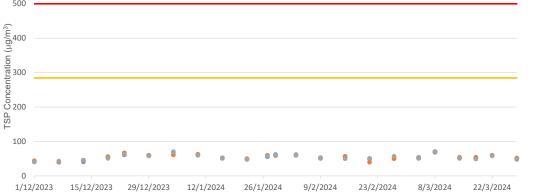
North East New Territories (NENT) Landfill Extension Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024

Appendix D Graphical Presentations

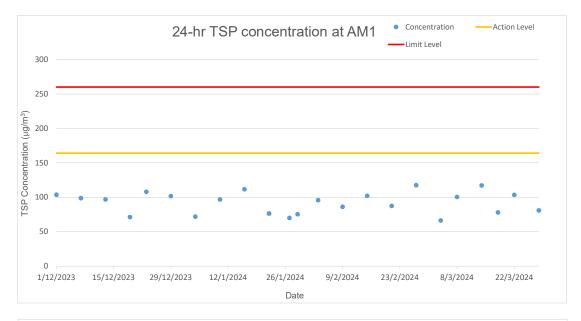
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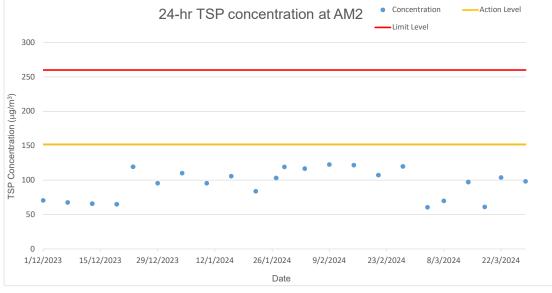


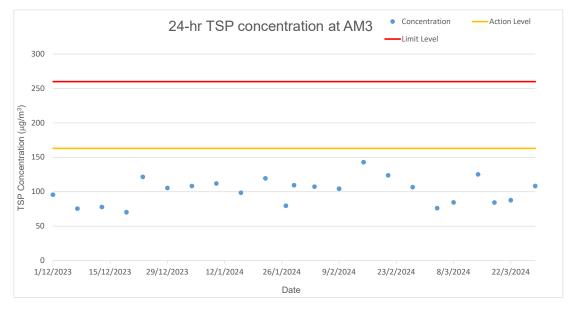




Date





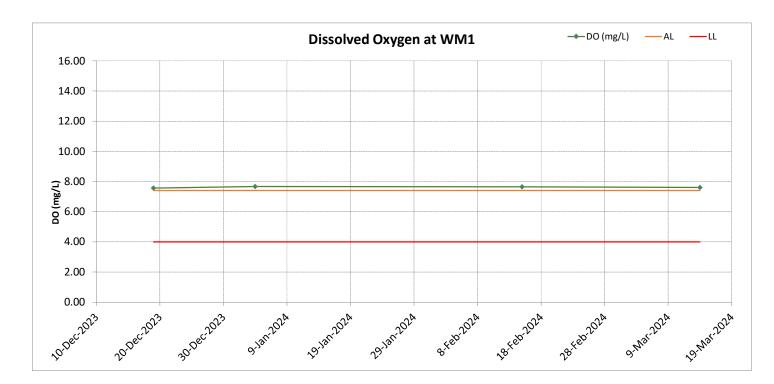


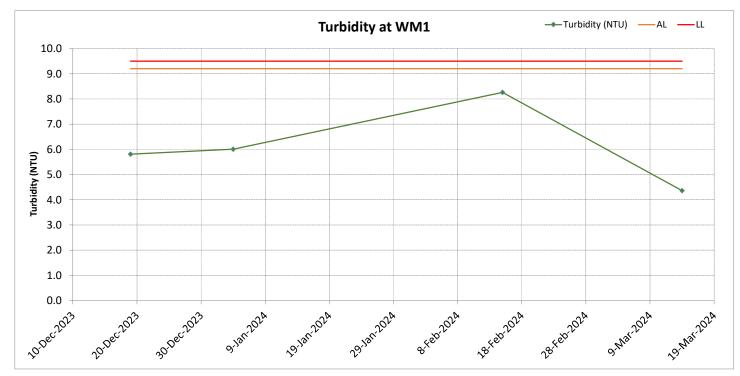
<u>Noise</u>



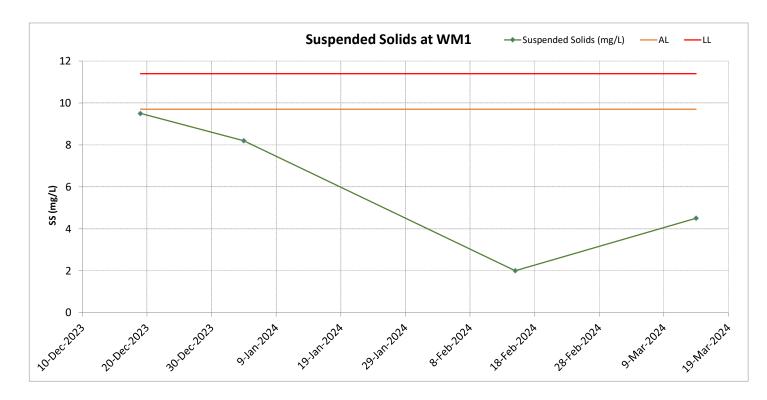
Water Quality

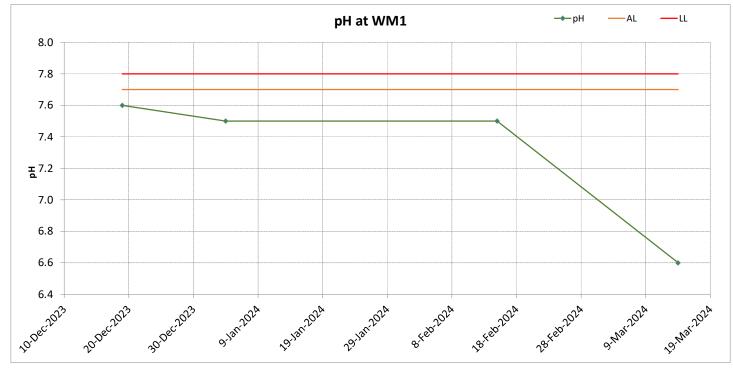
Surface Water Monitoring Results at WM1



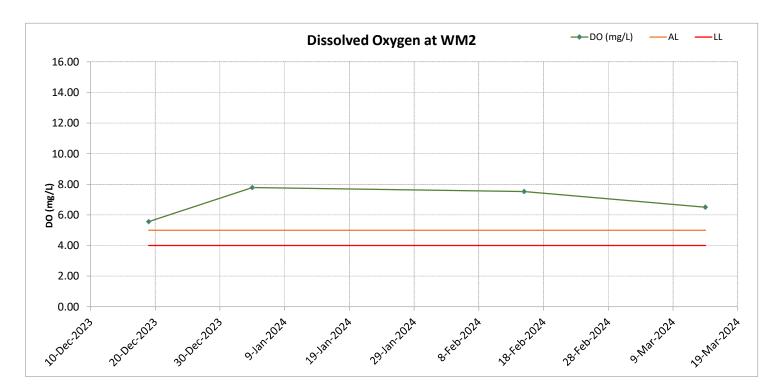


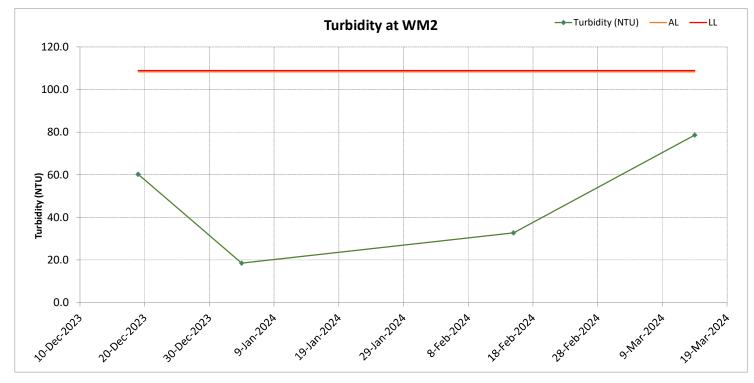
Surface Water Monitoring Results at WM1

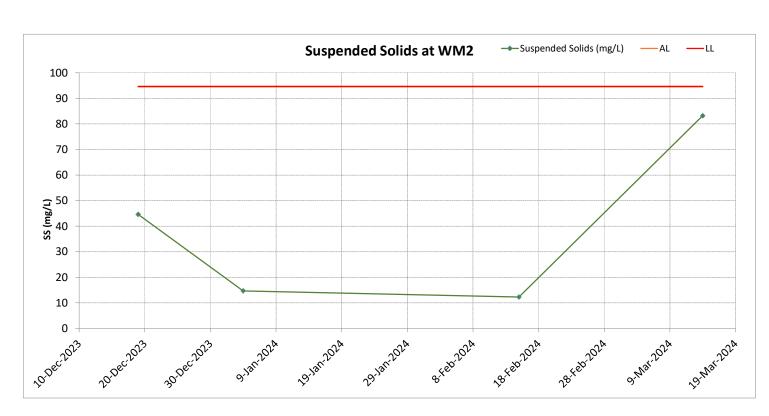




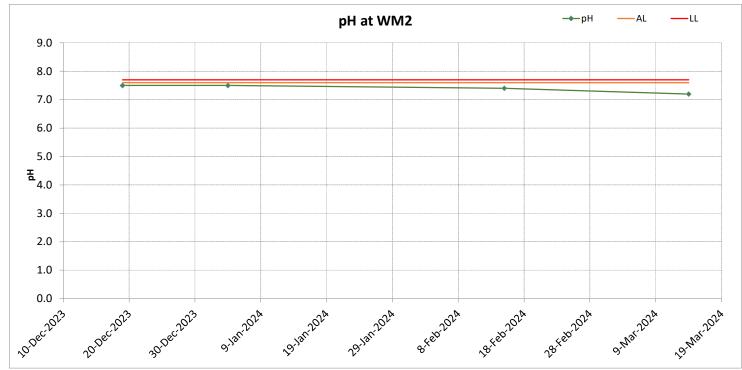
Surface Water Monitoring Results at WM2







Surface Water Monitoring Results at WM2



Appendix E Notification of Environmental Quality Limits Exceedance

Notification of Environmental Quality Limits Exceedance

Air Quality Monitoring - Construction Dust

		1-ł	nr TSP Exce	edance Co	unt	24-hr TSP Exceedance Count						
Dust Monitoring	Level	Reportir	ıg period		ate project date	Reportir	ıg period	Accumulate project to date				
Station	Exceedance	Project related	Non- project related	Project related	Non- project related	Project related	Non- project related	Project related	Non- project replated			
A N 4 4	Action	0	0	0	0	0	0	0	2			
AM1	Limit	0	0	0	0	0	0	0	3			
AM2	Action	0	0	0	0	0	0	0	0			
Alviz	Limit	0	0	0	0	0	0	0	0			
AM2	Action	0	0	0	0	0	0	0	4			
AM3	Limit	0	0	0	0	0	0	0	3			

Noise Monitoring

		LAec	<mark>(30mins)</mark> E	xceedance C	ount		
Noise Monitoring	Level	Reportir	ng period	Accumulate project to date			
Station	Exceedance	Project related	Non- project related	Project related	Non- project related		
	Action	0	0	0	0		
NM1a	Limit	0	0	0	0		
	Action	0	0	0	0		
NM2a	Limit	0	0	0	0		

Notification of Environmental Quality Limits Exceedance

Surface Water Monitoring

Surface		Exceedance Count															
Water	Level			R	eportir	ng perio	bd			Accumulate project to date							
Quality Monitoring	Exceedance		Project related			Non-project replated			Project related				Non-project replated				
Station		DO	рН	Turb	SS	DO	рН	Turb	SS	DO	рН	Turb	SS	DO	рН	Turb	SS
10/044	Action	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
WM1	Limit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14/14/2	Action	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WM2	Limit	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

Remarks:

- 1. "DO" equal to Dissolved Oxygen
- 2. "Turb" equal to Turbidity
- 3. "SS" equal to Suspended Solids

Landfill Gas (LFG) Monitoring

	Level Exceedance	Exceedance Count												
LFG			F	Reportir	ng perio	d		Accumulate project to date						
Monitoring Station		Project related			Non-project replated			Project related			Non-project replated			
		CH ₄	CO ₂	O ₂	CH ₄	CO ₂	O ₂	CH ₄	CO ₂	O ₂	CH ₄	CO ₂	O ₂	
Portion A +50 mpD to	Action	0	0	0	0	0	0	0	0	0	0	0	0	
+70 mpD Platform	Limit	0	0	0	0	0	0	0	0	0	0	0	0	

North East New Territories (NENT) Landfill Extension Quarterly Environmental Monitoring and Audit Report (No. 5) – January to March 2024

Appendix F Waste Flow Table

Total Quantity Ha Generated I C	Hard Rock and Large Broken Concrete (in tonne) 0	from Reused in the Contract	m the Contr Reused in Other Projects		Generated Imported Fill	Total Qua	ntities of Re		eneration Yard Waste			D Materials the Contract Others, e.g.
Month Quantity Ha Generated ar C (in tonne) (ii	and Large Broken Concrete (in tonne) 0	Reused in the Contract	Other Projects	as Public	-	Metals						Others, e.g.
	0	(in tonne)	(in tonno)				Cardboard Packaging		(to Y-Park)	Chemical Waste	General Refuse	non- recyclable yard waste
Dec-22 84.77			(in conne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)
		0	0	0	0	0	0	0	11.49	0	7.53	65.75
Jan-23 24.51	0	0	0	0	0	0	0	0	0	0	24.51	0
Feb-23 506.45	0	0	0	0	0	0	0	0	3.16	0	5.85	497.44
Mar-23 9,581.15	0	0	9,187	0	0	0	0	0	3.69	0	6.96	383.5
Apr-23 18,532.07	0	0	18,466	0	0	0	0	0	1.97	0	5.81	58.29
May-23 28,889.61	0	0	28,473	0	0	0	0	0	0	0	7.45	409.16
Jun-23 11,574.89	0	0	11,211	0	0	0	0	0	2.38	0	14.69	346.82
Jul-23 50,595.49	0	0	50,307	0	0	0	0	0	0	0	25.54	262.95
Aug-23 63,178.52	0	0	63,076	0	0	0	0	0	0	0	30.77	71.75
Sep-23 42,709.75	0	0	42,676	0	0	0	0	0	0	0	33.38	0
Oct-23 55,551.68	0	0	55,405	0	0	0	0	0	2.56	0	28.05	116.07
Nov-23 76,127.24	0	0	73,352	0	2629.37	0	0	0	0	0	35.13	110.74
Dec-23 63,389.25	0	0	57,681	0	5296.17	0	0	0	2.48	0	34.26	375.34
Jan-24 125,840.50	0	0	125,010	0	0	0	0	0	5.59	0	71.13	753.78
Feb-24 108,176.42	0	0	106,218	0	1771.16	0	0	0	0	0	53.76	133.17
Mar-24 70,683.04	0	0	68,989	0	1324.13	0	0	0	3.26	0	108.43	258.01
Total 725,445.34	0.00	0.00	710,052	0.00	11,020.83	0.00	0.00	0.00	36.58	0.00	493.25	3,842.77

Waste Flow Table

Note:

The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

Appendix G Environmental Mitigation Implementation Schedule (EMIS)

IA	EM&A	Weekly	tion Schedule (EMIS) Construction Phase Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or	Status
lef.	Log	Site	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the measures to	
	Ref.	Inspection		Measures & Main	the		achieve?	
		Item		Concerns to address	measures?			
Air Qualit								
3.8.1	S3.1.8	B7 – B36	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust)	Good construction	Contractor	Entire NENT	To control the dust impact to	\checkmark
			Regulation.	site practices to		Landfill	within the criteria of EIA	
		B4, B15 &	Dust emission from construction vehicle movement is confined within the worksites area.	control the dust		Extension site	Report (Register No. AEIAR-	# (Refer to Appendix K
		B18		impact at the nearby sensitive receivers to within the relevant criteria.			111/2007)	(1) 4 Mar 2024 Weekly Site Inspecti Observation 2 (The exposed earth slope Portion B1-2 was covered by impervious she for short-term slope protection. The long-ter slope surface protection is conducted progress.)
								(2) 25 Mar 2024 Weekly Site Inspection Observation 2)
		B11-B12	Watering facilities will be provided at every designated vehicular exit point.	1				\checkmark
								Vehicle washing facilities provided at vehicula exit point in Portion A, B1-2, D, E3-1 & E4
		-	Good site practice is recommended during construction phase.	-				\checkmark
Construc	tion Noise			1	1			
S4	S4.9	C1	1) Use of good site practices to limit noise emissions by considering the following:	Control construction	Contractor	Entire	Noise Control Ordinance	\checkmark
			(a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the	airborne noise by means of good site		construction		
		C2	construction programme;(b) Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between	practices		site		\checkmark
		02	work periods or should be throttled down to a minimum;					
		C3	(c) Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed	-				\checkmark
			away from nearby NSRs;					
		C4	(d) Silencers or mufflers on construction equipment should be properly fitted and maintained during the	-				N/A
			construction works;					
		C5	(e) Mobile plant should be sited as far away from NSRs as possible and practicable;					Ý
		C6	(f) Material stockpiles, mobile container site officer and other structures should be effectively utilised, where	-				×
			practicable, to screen noise from on-site construction activities.					, ·
64	S4.9	C11 –	2) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise	Contractor	Entire	Noise Control Ordinance & its	\checkmark
		C13		levels of plant items		construction	TM	
						site	Annex 5, TM-EIA	
Sonstruc	tion Runoff S5.2.1	D1	Construction on Site Runoff	Control construction	Contractor	Entire	ProPECC PN 1/94	(a) The perimeter cut-off drains are establishing
5.0.1	00.2.1		 (a) At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be 	runoff and erosion	Contractor	Construction	FIOF LOG FIN 1/94	progress (Completion: 98%)
			constructed with internal drainage works and erosion and sedimentation control facilities implemented. (b)	from site surface,		site	Water Pollution Control	(b) # (Refer to Appendix K
			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.	drainage channel, stockpiles, wheel			Ordinance	18 Mar 2024 Weekly Site Inspecti Observation 1)
		D2	(a) The dikes or embankments for flood protection should be implemented around the boundaries of earthwork	washing facilities, etc to minimize water				(a) N/A
			areas. (b) Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse,	quality during				(b) √
			through a silt/sediment trap. (c) The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates.	construction stage				
								(c) v
marks:		Compliance of n	nitigation measure					
		Recommendatio	on was made during site audit but improved/rectified by the contractor					
		Recommendatio	on was made during site audit but not yet improved/rectified by the contractor.					
		Not Applicable a	t this stage were conducted in the reporting period.					
/hich me	asure)	Alternative measure	sure was made by the contractor.					

North East New Territories (NENT) Landfill Extension

EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status				
Construct	tion Runoff (1							
\$5.8.1	S5.2.1	D3	• The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silts and sediment traps should be 5 minutes under maximum flow conditions.	Control construction runoff and erosion from site surface, drainage channel,	Contractor	Entire Construction site	ProPECC PN 1/94 DSD Technical Circular TC01/2017	√				
		D4	 (a) Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). (b) All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. (c) If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means. 	ssible after vrks where year when face water advantage f inclement ed and (b) storms. (c)			Water Pollution Control Ordinance	 (a) √ (b) √ (c) # (Refer to Appendix K 4 Mar 2024 Weekly Site Inspect Observation 2) 				
		D5	 (a) The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and (b) all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows. 					(a) √ (d) N/A				
		D6	 (a) All drainage facilities and erosion and sediment control structures should be regularly inspected and (b) maintained to ensure proper and efficient operation at all times and particularly following rainstorms. (c) Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas. 					 (a) √ (b) √ (c) # (Refer to Appendix K 18 Mar 2024 Weekly Site Inspec Observation 1) 				
		D7	 (a) Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. (b) Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities. 	t				(a) ✓ ✓				
		D8	• Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m ³ should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	-				(b) v				
		D9	 (a) Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as (b) to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. 					(a) ✓ (c) ✓				
		D10	 Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silly surface runoff during storm events, especially for areas located near steep slopes. 	2				(b) v				
		D11	 (a) All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. (b) An adequately designed and sited wheel washing bay should be provided at every construction site exit. (c) Wash-water should have sand and silt settled out and removed at least on a weekly basis (d) to ensure the continued efficiency of the process. (e) The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silly water to public roads and drains. 					$\begin{array}{ccc} (a) & \checkmark \\ (b) & \checkmark \\ (c) & \checkmark \\ (d) & \checkmark \\ (c) & \checkmark \end{array}$				
		D12	 (a) Oil interceptors should be provided in the site drainage system downstream of any oil/fuel pollution sources. (b) The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. (c) A bypass should be provided for the oil interceptors to prevent flushing during heavy rain. 	into e oil	nto	to						(a) N/A (b) N/A (e) N/A
		D13	 Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report. 	1				(c) v				

✓ Compliance of mitigation measure

* Recommendation was made during site audit but improved/rectified by the contractor

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage were conducted in the reporting period.

North East New Territories (NENT) Landfill Extension

EIA	EM&A		ion Schedule (EMIS) Construction Phase	Objectives of the	Who to	Location of the	What requirement a
EIA Ref.	Log Ref	Weekly Site	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended	implement	Location of the	What requirement of standards for the me
Nel.	LOGINEI	Inspection	(to be implemented when the trigger level is exceeded, where necessary)	Measures & Main	the	measures	achieve?
		Item		Concerns to address	measures?		achieve?
Construc	tion Runoff (1			Ineasures!		
5.8.1	S5.2.1	D14	• All fuel tanks and storage areas should be provided with docks and sited on sealed areas, within bunds of a	Control sewage	Contractor	On-site	ProPECC PN 1/94
			capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching	effluent arising from		sanitary	
			water sensitive receivers nearby.	the sanitary facilities		facilities	DSD Technical Circ
		D15	 To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or 	provided for the on-			TC01/2017
			barrier along the roadside should be constructed.	site construction			
		D19	Sewage Effluent from Workforce	workforce			Water Pollution Con
			(a) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage				Ordinance
			generated by the workforce. (b) A licensed contractor should be employed to provide appropriate and adequate				
			portable toilets and be responsible for appropriate disposal and maintenance.				Waste Disposal Orc
		D20	• Notices will be posted at conspicuous locations to remind the workers not to discharge any sewage or				
			wastewater into the nearby environment during the construction phase of the Project.				
		-	• 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.				
\$5.8.1	S5.2.1	D21	Accidental Spillage of Chemical	Control of chemical	Contractor	Service	ProPECC PN 1/94
			• (a) Any service workshop and maintenance facilities shall be located within a bunded area, and sumps and oil	leakage		workshop and	
			interceptors shall be provided. (b) Maintenance of equipment involving activities with potential for leakage and			maintenance	Water Pollution Con
			spillage will only be undertaken within the areas.			facilities	Ordinance
							Waste Disposal Orc
Erosion (Control Mea	sures			1	l	
S5.8.2	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 vegetation to the greatest extent possible				Water Pollution Cor
			during the construction process. and after construction where appropriate. Maintaining natural vegetation is				Ordinance
			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.				
		-	e. Hydraulic Application				
			Hydraulic application is a mechanical method of applying erosion control materials to bare soil in order to	order to	to	1	
			establish erosion-resistant vegetation on disturbed areas and critical slopes. By using hydraulic equipment,				

uniformly broadcast, as homogenous slurry, onto the soil. These erosion and dust control materials can often

Establishes permanent turf for immediate erosion protection and stabilizes rainageways.

* Recommendation was made during site audit but improved/rectified by the contractor

Remarks:

 \checkmark

Recommendation was made during site audit but not yet improved/rectified by the contractor.

Sod

be applied in one operation.

N/A Not Applicable at this stage were conducted in the reporting period.

Compliance of mitigation measure

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measures to	
4	\checkmark
ircular	
liculai	N/A
	N/A
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	(b) 🗸
Ordinance	
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	To be implemented
	To be implemented
	\checkmark

A ef.	EM&Ă Log Ref	Weekly Site Inspection Item	(to	commended Precautionary/Mitigation Measures 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
rosion (5.8.2	S5.2.2	sures (Cont'	<u>d)</u> 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.	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	¥
			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.					×
Surface V 5.8.2	Vater Draina S5.2.2	age System D22	•	operation. (b) This system will consist of channels as constructed around the perimeter of the site area. (c)	Surface Water Management/ Control run off	Contractor	Surface water system Construction	Water Pollution Control Ordinance TM-water	$\begin{array}{ccc} (a) & \checkmark \\ (b) & \checkmark \\ (c) & \checkmark \\ (d) & \checkmark \end{array}$
		D23	•	(a) The temporary surface water drainage system will include the use of a silt fence around the soil stockpile areas to prevent sediment from entering the system. (b) Regular cleaning will be carried out to prevent blockage of the passage of water flow in silt fence.					(a) ✓ (b) ✓
		-	•	Intermediate drainage system will be installed for filled cell/phase. The major purpose of the intermediate drainage system is to prevent the clean surface water run-off from the filled phases coming into contact with the waste mass in active cell and to prevent excessive surface water infiltration through the intermediate cover, thus contribute to increasing volume of leachate. The intermediate drainage system will collect the clean surface water run-off and divert it to the permanent discharge channels connected to the public drainage system.					N/A
		-	•	In addition, surface flow from the haul road (especially near the wheel washing facility) will be collected to a dry weather flow interceptor and conveyed to the on-site leachate treatment plant for further treatment.					N/A
aste M	anagement								
56	WM1	-		<u>AD Materials</u> Implement proper waste management measures during construction phase as stipulated in the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 Environmental Management in Construction Sites.	Good site practice to minimise C&D waste generation and reuse/recycle all C&D on-site as far as	Contractor	Entire construction site	Waste Disposal Ordinance ETWB TC(W) No. 19/2005 DEVB TC(W) No. 6/2010	√
		-	•	Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and verified in accordance with DEVB TC(W) No. 6/2010. Copies/counterfoils from trip-tickets (with quantities of C&D Materials off-site) should be kept for record purposes.	possible				×
		-	•	Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005.					\checkmark
		E4	•	(a) Make provisions in Contract documents to allow and promote the use of recycled aggregates where appropriate. Ensure material balance in terms of excavated C&D materials in the design of NENT landfill extension project. (b) The contract specifications should specify no excavated materials should be removed from the landfill extension site, but should be fully reused.					(a) ✓ (b) ✓
		E5	•	Careful design, planning and good site management to minimise over-ordering and waste materials such as concrete, mortars and cement grouts. (a)(b) The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. (c) Alternatives such as steel formwork or plastic fencing should be considered to increase the potential for reuse.					(a) ✓ (b) ✓ (c) ✓

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage were conducted in the reporting period.

North East New Territories (NENT) Landfill Extension

EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement or standards for the measures to achieve?	Status
 magement WM1	(Cont'd) E6	 (a) The Contractor should recycle as much as possible the C&D waste on-site through proper waste segregation on-site. (b) Concrete and masonry should be used as general fill and steel reinforcement bars can be used by scrap steel mills. (c) Proper areas should be designated for waste segregation and storage wherever site conditions permit. (d) Maximise the use of reusable steel formwork to reduce the amount of C&D material. 	Good site practice to minimise C&D waste generation and reuse/recycle all C&D on-site as far as	Contractor	Entire construction site	Waste Disposal Ordinance ETWB TC(W) No. 19/2005 DEVB TC(W) No. 6/2010	$\begin{array}{ccc} (a) & \checkmark \\ (b) & \checkmark \\ (c) & \checkmark \\ (d) & \checkmark \end{array}$
	E7	 (a) Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste. (b) The sorted public fill and C&D waste should be properly reused. 	- possible				(a) √ (b) √
	E8	 (a) Excavated slope, stockpiled material and bund walls should be covered by tarpaulin until used in order to prevent wind-blown dust during dry weather, and to reduce muddy runoff during wet weather. (b)(c) Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers 					(a) ✓ (b) ✓ (c) ✓
	E9	If any topsoil-like materials need to be stockpiled for any length of time, consideration should be given to hydroseeding of the topsoil on the stockpile to improve its visual appearance and prevent soil erosion.					Ý
	E10	Nomination of approved personnel to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal.					Ý
	E11	• Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts.					Ý
	E12	Regular cleaning and maintenance programme systems, sumps and oil interceptors.					V
	E13	 (a) Prior to disposal of C&D waste, wood, steel and other metals should be separated for re-use and/or recycling to minimise the quantity of waste to be disposed of to landfill. (b)(c) Proper storage and site practices should be implemented to minimise the potential for damage or contamination of construction materials. 	-				(a) ✓ (b) ✓ (c) N/A
		• Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. Minimise excessive ordering of concrete, mortars and cement grout by doing careful check before ordering.					Ý
WM2	E16 –	Chemical Waste	Ensure proper	Contractor	Entire	Waste Disposal (Chemical	\checkmark
	E23	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.	disposal of chemical waste generated on- site to minimise the associated hazards		construction site	Waste) General Regulation Code of Practice on the	
	-	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	on human health and environment			Packaging, Labelling and Storage of Chemical Waste	v
	E17 & E18	• Containers used for storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD. Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulation.					*
	E19	 (a) The storage area for chemical wastes should be clearly labelled and used solely for storage of chemical waste, (b) enclosed with at least 3 sides, having an impermeable floor and bund of sufficient capacity to accommodate 110% of volume of the largest container or 20 % of total volume of waste stored in that area, (c)(d) whichever is the greatest, having adequate ventilation, being covered to prevent rainfall entering, and being arranged so that incompatible materials are adequately separated. 					(a) ✓ (b) N/A (c) N/A (d) N/A
	E20	Chemical waste should be collected by licensed waste collectors and disposed of at licensed facility, e.g. Chemical Waste Treatment Centre.					Ý

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage were conducted in the reporting period.

(Which measure) Alternative measure was made by the contractor.

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EIA Ref.	EM&A Log Ref	Weekly Site Inspection Item	Recommended Precautionary/Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	What requirement standards for the n achieve?
	Management			1		1	1
S6	WM3	E1	 <u>General Refuse</u> General refuse generated on-site should be properly stored in enclosed bins or compaction units separately from construction and chemical wastes. 	Minimise generation of general refuse to avoid odour, pest and visual nuisance	Contractor	Entire construction site	Waste Disposal On
		E2	 (a) All recyclable materials (separated from the general waste) should be stored on-site in appropriate containers with cover prior to collection by a local recycler for subsequent reuse and recycling. Residual, non-recyclable, general waste should be stored in appropriate containers to avoid odour. (b)(c)(d) Regular collection should be arranged by an approved waste collector in purpose-built vehicles that minimise environmental impacts during transportation 				
		-	 Reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. 				
		-	Aluminium cans should be separated from general waste stream and collected by recyclers. Proper collection bins should be provided on- site to facilitate the waste sorting.				
		-	 Office waste paper should recycled if the volume warrant collection by recyclers. Participation in community waste paper recycling programme should be considered by the Contractor, including waste paper, aluminium cans, plastic bottles, waste batteries, etc. 				
FG							
/Vithin N 37	NENT Landfill	Extension	Special LFG precautions should be taken due to close proximity of NENT landfill extension site to existing landfill	To minimise the risk	Contractor	Entire	Landfill Gas Hazard
57	LFG2	F1 F2	to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity). Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during	of LFG hazards to personnel in	Contractor	construction	Assessment Guidar (EPD/TR8/97)
			excavation works.	construction site		Sile	
	LFG3	F3	No smoking or burning should be permitted on-site.				F&IU (Confined Spa Regulations
	LFG4 LFG5	F4 F5	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.				
	LFG5 LFG6	F5 F6	Adequate fire fighting equipment should be provided on-site.				Code of Practice or
	LFG0 LFG7	F0 F7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark				and Health at Work
	LFG/		arrestors.				Confined Spaces
	LFG8	F8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.				
	LFG9	F9	'Permit to Work' system should be implemented.				
	LFG10	F10	Welding, flame-cutting or other hot works should be conducted only under 'Permit to Work' system following clear safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.	•			
	LFG11	F11	(a) For piping assembly or conduit construction, all valves and seals should be closed immediately after installation to avoid accumulation and migration of LFG. (b) If installation of large diameter pipes (diameter >600mm) is required, the pipe ends should be sealed on one side during installation. (c) Forced ventilation is required prior to operation of installed pipeline. (d) Forced ventilation should also be required for works inside trenches deeper than 1m.				
	LFG12	F12	Frequency and location of LFG monitoring within excavation area should be determined prior to commencement of works. LFG monitoring in excavations should be conducted at no more than 10mm from exposed ground surface.				
	LFG13	F13	For excavation works, LFG monitoring should be conducted (1) at ground surface prior to excavation, (2) immediately before workers entering excavations, (3) at the beginning of each half-day work, and (4) periodically throughout the working day when workers are in the excavation.				
	LFG14	F14	Any cracks on ground level encountered on-site should be monitored for LFG periodically. Appropriate action should be taken in accordance with the action plan in Table 7.6 of EIA Report.				
	LFG15	F15	(a) LFG precautionary measures involved in excavation and piping works should be provided in accordance with LFG Guidance Note and included in Safety Plan of construction phase. (b) Temporary offices or buildings should be located where free LFG has been proven or raised clear of ground at a separation distance of at least 500mm.				

Recommendation was made during site audit but improved/rectified by the contractor

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage were conducted in the reporting period.

@ (Which measure) Alternative measure was made by the contractor.

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t or measures to	Status
Drdinance	 # (Refer to Appendix K 25 Mar 2024 Weekly Site Inspection Observation 3 (General waste at Portion E3-1A was removed by the contractor. The enclosed bin was provided near the rest area for workers. The enclosed bin with clearly label for collection of general waste (e.g.) food waste is implemented in progress.)) (a) ✓ (b) ✓ (c) ✓ (d) ✓ ✓
	N1/A

ard	N/A
lance Note	
	\checkmark
paces)	√
	√
on Safety	\checkmark
rk in	√
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	·
	(a) N/A
	(b) N/A
	(c) N/A
	(d) N/A
	V
	×/
	v
	\checkmark
	(a) N/A
	(b) N/A

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

Environme	entai wiitiga	tion implementat	Ion Schedule (EMIS) Construction Phase				
EIA	EM&A	Weekly Site	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement of
Ref.	Log	Inspection	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the m
	Ref	Item		Measures & Main	the		achieve?
				Concerns to address	measures?		

	EM&A	Weekly Site	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or	Status
	Log	Inspection	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the measures to	
	Ref	Item		Measures & Main	the		achieve?	
	(1 I)			Concerns to address	measures?			
	onťd)							
		dfill Extension						
	LFG16	F16	For large development such as NENT landfill extension, a Safety Officer trained in the use of gas detection		Contractor	Entire	Landfill Gas Hazard	$ $ \checkmark
			equipment and LFG- related hazards should be present on-site throughout the groundwork phase. The Safety	of LFG hazards to		construction site	Assessment Guidance Note	
			Officer should be provided with an intrinsically safe portable instrument appropriately calibrated and capable of	personnel in			(EPD/TR8/97)	
			measuring the following gases:	construction site				
			•CH ₄ : 0-100% and LEL: 0-100%/v				F&IU (Confined Spaces)	
			•CO ₂ : 0-100%				Regulations	
	. = 0 / =		•O ₂ : 0-21%	-				
	LFG17	F17	(a) Periodically during groundwork construction, the works area should be monitored for $CH_4 CO_2$ and O_2 using				Code of Practice on Safety	(a) N/A
			appropriately calibrated portable gas detection equipment. The monitoring frequency and areas should be				and Health at Work in	(b) N/A
			established prior to commencement of groundwork either by Safety Officer or appropriately qualified person. (b)				Confined Spaces	(c) N/A
			Routine monitoring should be carried out in all excavations, manholes, created by temporary storage of building					
			materials on-site. (c) All measurements in excavations should be made with monitoring tube located not more than					
╞	15040	F 40	10mm from exposed ground surface.	4				L
	LFG18	F18	For excavations deeper than 1m, measurements should be conducted:					\checkmark
			At ground surface before excavation commences;					
			Immediately before any worker enters the excavation;					
			At the beginning of each working day for entire period the excavation remains open; and					
			Periodically throughout the working day whilst workers are in excavation.	-				
	LFG19	F19	For excavations between 300mm and 1m, measurements should be conducted:					\checkmark
			Directly after excavation has been completed; and					
			Periodic all whilst excavation remains open.	-				
	LFG20	F20	For excavations less than 300mm, monitoring may be omitted at the discretion of Safety Officer or appropriately					\checkmark
			qualified person.					
		sual Phases		1	1	1	1	1
	LV1	G4	Advanced screening tree planting	To minimise the	Contractor	Entire	DEVB TC(W) No. 4/2020 -	\checkmark
			• Early planting using fast growing trees and tall shrubs at strategic locations within site to block major view	impact on existing		construction site	Tree Preservation	
			corridors to the site from the VSRs, and to locally screen haul roads, excavation works and site preparation	vegetation retained				
			works.	by personnel in			DEVB TC(W)) No. 6/2015 -	
			Roadside planter and shrub planting design in front of Cheung Shan Temple.	construction			Maintenance of Vegetation	
	LV2	G5	Boundary Green Belt planting	To provide initiation			and Hard Landscape Features	To be implemented during operation pha
			Considerable planting belts proposed around the site perimeter and the construction of temporary soil bunds will	on permanent				
			screen the landfill operations to a certain degree. Fast growing and fire resistant plant species will be used.	landscape and visual			DEVB TC(W) No. 6/2011 -	
	LV3	G6	Temporary landscape treatment as green surface cover	mitigation measures			Maintenance of Man-made	\checkmark
			For certain areas where landfilling operations would have to be suspended temporarily for periods of years, simple				Slopes and Emergency Repair on Stability of Land	
			temporary landscape treatment such as hydroseeding should be considered. During construction and operational					
			phases, grass hydroseeding or synthetic covering material of green colour should also be used as a temporary					
			slope cover if applicable.	4				
	LV4	G7	Existing tree preservation					\checkmark
			Transplant existing trees and vegetation, which are identified as ecologically significant in Ecological Impact		1			
			Assessment and as rare tree species recorded in the tree survey, under circumstances where technically feasible.					
		1	For all affected trees, the principle of avoidance of tree felling and tree transplanting of tree before felling should					
								1
			apply whenever possible. A tree felling application should be submitted to DEVB-GLTMS and be approved before any trees are felled or transplanted.					

Recommendation was made during site audit but not yet improved/rectified by the contractor. #

N/A Not Applicable at this stage were conducted in the reporting period.

North East	New Territories (NENT) Landfill Extension
Environme	ntal Mitigation Implementation Schedule (FMIS) Construction Pha

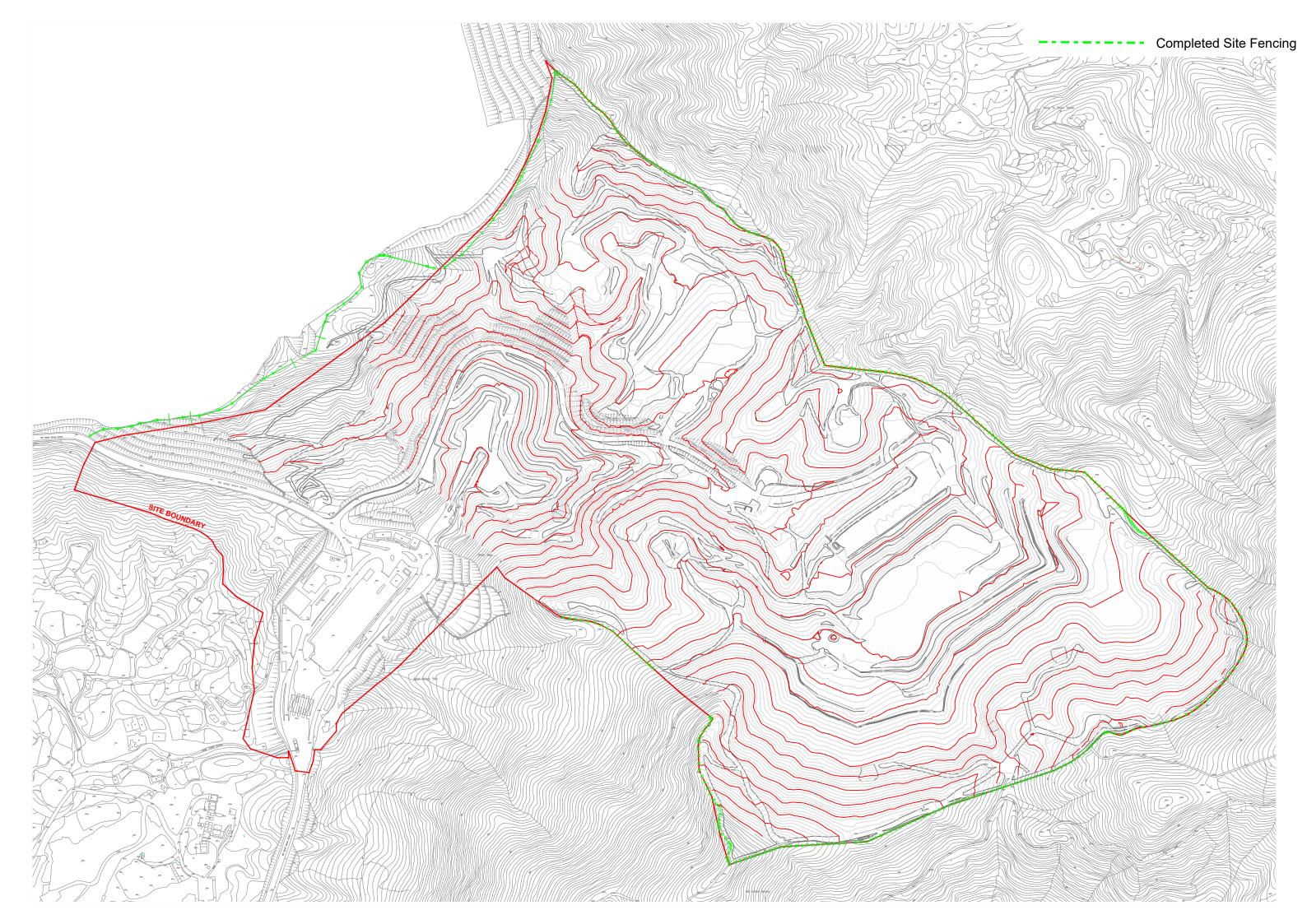
Environme	ental Mitiga	tion Implementati	ion Schedule (EMIS) Construction Phase				
EIA	EM&A	Weekly Site	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or
Ref.	Log	Inspection	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the me
	Ref	Item		Measures & Main	the		achieve?
				Concerns to address	measures?		

				Concerns to address	measures?		
ology	/						
enera	I Protection	on Measures:					
0	E1	-	Restriction of construction activities to the work areas that would be clearly demarcated.	To minimise environmental	Contractor	Entire construction site	Practice No Persons (P
-	E2	-	Reinstatement of the work areas immediately after completion of the works.	impacts and therefore potential ecological impacts			Constructio (PN1/94)
	E3	-	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.	within and near the construction site			Code of Provide Code of Provid
	E4	-	Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.				Storage of EPD (1992
	E5	-	Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.		ETWB TC(
	E6	-	Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.				Manageme and Demoli Including R
	E7	-	Mobile plant should be sited as far away from NSRs as possible and practicable.				DEVB TC(\
	E8	-	Material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.				Ticket Syst
	E9	-	Use of "quiet" plant and working methods.				Materials
	E10	-	Construction phase mitigation measures in the Practice Note for Professional Persons on Construction Site Drainage.	-			ETWB TC(Environme on Constru
	E11	-	Design and set up of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.				
	E12	-	Design and incorporation of silt/sediment traps in the permanent drainage channels to enhance deposition rates and regular removal of reposited silt and grit.				
	E13	-	Minimization of surface excavation works during the rainy seasons (April to September), and in particular, control of silty surface runoff during storm events, especially for areas located near steep slopes.				
	E14	-	Regular inspection and maintenance of all drainage facilities and erosion and sediment control structures to ensure proper and efficient operation at all times and particularly following rainstorms.				
	E15	-	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources	1			

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

nt or measures to	Status
Professional CC), e Drainage	✓ ✓
on the Iling and ical Wastes,	 ✓
lical wastes,	\checkmark
o. 33/2002 Construction	\checkmark
laterial	N/A
. 6/2010 Trip r Disposal of	\checkmark
Demolition	\checkmark
	×
.19/2005 anagement Sites	\checkmark
	\checkmark
	✓
	\checkmark
	\checkmark
	N/A

Appendix H Mitigation Measures of Cultural Landscape Features



Appendix I Cumulative complaint / enquiry log & Summaries of complaints and enquiries

Environmental Complaints Log

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

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

Complaint Ref. No.	Date of Complaint Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
C005_20230818	18 Aug 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 18 August 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 14 August 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023
C006_20230914	14 Sep 2023	EPD-RNG	ET	Water Quality	18 Sep 2023	It was noted from EPD-RNG's email to the ET on 14 September 2023 that EPD received information regarding the muddy water was observed at River Ganges (GR3) (Water Quality Monitoring Location from EPD) on 11 September 2023. In summary of the investigation, the complaint is project related. It viewed that muddy water arising from wheel washing water from the site entrance at Portion E4 & Runoff from Existing Channel near Portion E3-1 & discharge water from the silt removal facilities at Portion E3-1 eventually flows into the box culvert under Wo Keng Shan Road, WM2 and ultimately to GR3. The related rectified actions had been conducted by the contractor.	13 October 2023

Remarks:

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

Environmental Enquiries Log

Enquiry Ref. No.	Date of Enquiry Received	Received from	Received by	Aspect of Complaint	Date of Investigation	Investigation Summary & Conclusion	Date of Reply
NA	NA	NA	NA	NA	NA	NA	NA

Remarks:

"ET" equal to "Environmental Team"
 "EPD-RNG" equal to "Environmental Protection Department-Regional Office (North)"
 "NA" equal to "Not Applicable"

Cumulative Statistics on Complaints

Aspects	Cumulative No. Brought Forward	No. of Complaints during reporting period	Cumulative Project-to- Date
Air Quality	1*	0	1*
Noise	0	0	0
Water Quality	5(1*)	0	5(1*)
Waste Management	0	0	0
Total	6(2*)	0	6(2*)

Remarks:

1. * Equal to non-project related

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