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

Quarterly Environmental Monitoring and Audit Report (No. 6) – April to June 2024 2024-07-12



Our Ref.: CL/91823/1378-VES Date: 12 July 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.6) – April to June 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.6) – April to June 2024" dated 12 July 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



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

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Ref: P521530-0000-REP-NN-0089

By Email

12 July 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. 6) – April to June 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. 6) – April to June 2024" dated 12 July 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. 6) - April to June 2024 r1

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

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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 6th Quarterly EM&A Report presents the EM&A works conducted from 1 April to 30 June 2024 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during Report Period

Construction Activities Undertaken	Reporting Month		
	Apr 2024	May 2024	Jun 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, summons/prosecutions were recorded and received in this reporting period.

One complaint on 9 May 2024 was 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: - i. Site formation and preparation; ii. Installation of liner system; iii. Installation of leachate collection, treatment and disposal facilities; iv. Installation of gas collection, utilization and management facilities; v. Utilities provisions and drainage diversion; vi. Landfilling operation; vii. Restoration and aftercare in subsequent stages; and viii. Measures to mitigate environmental impacts as well as environmental monitoring and auditing to be implemented. 	

Table 1-1	Nature, Scal	e and Scope (of the captioned	Designated Project
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1.3. Purpose of this Report

1.3.1. This is the 6th Quarterly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 01 April to 30 June 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	Reporting Month			
Undertaken	Apr 2024	May 2024	Jun 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	17 th report (Apr 2024)
		Report	18 th report (May 2024)
			19 th report (Jun 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

Reference	Expiry Date	Remark
EP-292/2007	Throughout the Contract	Permit granted on 26 November 2007
FEP-01/292/2007	Throughout the Contract	Permit granted on 28 April 2022
FEP-02/292/2007	Throughout the Contract	Permit granted on23 August 2023
479809	Throughout the Construction Phase	Notified on 13 May 2022
7043692	Throughout the Contract	Registered on 13 April 2022
5213-642-P1034-18	Throughout the Contract	Registered on 11 July 2022
GW-RN0240-24	7 June 2024	Permit granted on 1 March 2024
GW-RN0702-24	18 September 2024	Permit granted on 17 June 2024
WT00042301-2022	31 October 2027	Permit granted on 18 October 2022 Variation of Licence (Permit granted on 7 February 2023)
	EP-292/2007 FEP-01/292/2007 FEP-02/292/2007 479809 7043692 7043692 5213-642-P1034-18 GW-RN0240-24 GW-RN0702-24	EP-292/2007Throughout Contractthe ContractFEP-01/292/2007Throughout Contractthe ContractFEP-02/292/2007Throughout Contractthe Contract479809Throughout Construction Phasethe Construction7043692Throughout Contractthe Contract5213-642-P1034-18Throughout Contractthe ContractGW-RN0240-247 June 202418 September 2024

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/m ³ (Range)				
Month	Dust Monitoring Station				
	AM1	AM2	AM3		
Apr 2024	27 (20 – 33)	48 (40 – 53)	55 (50 – 60)		
May 2024	24 (20 – 31)	44 (39 – 51)	49 (39 – 56)		
Jun 2024	25 (19 – 36)	43 (38 – 52)	51 (40 – 61)		
Action Level	>285	>279	>285		
Limit Level	>500				

Table 3-4	Summary of Impact 24-hr TSP Monitoring Results
-----------	--

	Average 24-hr TSP Concentration, µg/m ³ (Range)				
Month	Dust Monitoring Station				
	AM1	AM2	AM3		
Apr 2024	90 (70 – 125)	122 (107 – 137)	122 (110 – 131)		
May 2024	115 (92 – 137)	127 (116 – 138)	118 (95 – 135)		
Jun 2024	90 (71 – 122)	107 (87 – 138)	109 (91 – 143)		
Action Level	>164 >152 >163		>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		AM1		AM2		AM3	
Level Exceedance Parameters		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 3-6 Event and Action Plan for dust impact

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

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

4 Noise Monitoring

4.1 Monitoring Requirement

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

4.2 Monitoring Locations, Parameters and Frequency

- 4.2.1 According to the EM&A Manual, two monitoring stations namely NM1 and NM2 are selected for the impact monitoring.
- 4.2.2 A baseline monitoring plan has been submitted to IEC and EPD on 31 May 2022 including the proposal with justification of change of monitoring locations. Due to limited access to the original monitoring locations at NM1 and NM2, the adjusted stations at NM1a and NM2a were agreed with IEC prior to the baseline and impact monitoring. The noise monitoring locations are summarized in **Table 4-1** and shown in **Figure 2**. 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, Fre	quency 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		
Apr 2024	60.9 (60.1 - 62.5)	54.1 (48.5 – 56.2)		
May 2024	60.6 (60.1 - 61.6)	55.4 (48.1 – 57.4)		
Jun 2024	60.5 (59.3 - 61.3)	57.5 (56.3 – 58.5)		
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

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)		
Station		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)	N	Ionitoring Resul	ts	A stien Lovel	Limit Level
T drameter(3)	Apr 2024	May 2024	Jun 2024	Action Level	
рН	6.0	6.9	6.5	>7.7	>7.8
DO in mg/L	8.1	8.5	8.2	<7.4	<4
Turbidity in NTU	3.0	7.1	4.2	>9.2	>9.5
Electrical Conductivity in µS/cm	92	47	56		
SS in mg/L	2.0	2.9	3.5	>9.7	>11.4
Alkalinity	5	9	4		
COD	10	9	7		
BOD ₅	<2	<2	2.0		
TOC	2	2	4		
Ammonia-nitrogen	0.06	0.02	0.12		
TKN	0.3	0.3	1.0		
Nitrate	0.05	0.05	0.04		
Sulphate	24	3	9		
Sulphite	<2	<2	<2		
Phosphate	<0.01	0.01	0.01		
Chloride	9	6	8		
Sodium	10800	6630	8400		
Mg	820	400	460		-
Ca	5910	2440	3000		
K	620	570	870		
Fe	570	220	290		
Ni	<1	<1	1.0		
Zn	18	<10	32		
Mn	105	24	26		
Cu	2.0	2.0	5.0		
Pb	<1	<1	1.0		
Cd	<0.2	<0.2	<0.2		
Coliform Count	4200	4400	6200		
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	lts			
Parameter(s)	Apr 2024	4 May 2024 Jun 2024		Action Level	Limit Level	
рН	7.1	6.9	7.1	>7.6	>7.7	
DO in mg/L	8.0	8.8	8.7	<5	<4	
Turbidity in NTU	74.6	17.1	8.6	>108.3	>108.9	
Electrical Conductivity in µS/cm	253	111	131			
SS in mg/L	67.6	13.8	5.1	>94.7	>94.7	
Alkalinity	66	28	37			
COD	14	6	8			
BOD ₅	<2	<2	<2			
TOC	2	1	3			
Ammonia-nitrogen	0.16	0.03	0.07			
TKN	0.6	0.2	0.5			
Nitrate	0.90	0.30	0.29			
Sulphate	42	24	26			
Sulphite	<2	<2	<2			
Phosphate	<0.01	<0.01	<0.01			
Chloride	11	5	4			
Sodium	12300	5190	4950			
Mg	1660	890	1220			
Ca	34400	16200	20800			
К	6970	1980	2200			
Fe	3560	1030	520			
Ni	2	<1	<1			
Zn	40	11	75			
Mn	694	393	308			
Cu	4	1	2			
Pb	7	2	<1			
Cd	<0.2	<0.2	<0.2			
Coliform Count	4900	2100	5000			
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
	Level Exceedance Exceedance Date Exceedance Count Exceedance Date Exceedance Count Exceedance Date Exceedance Count Exceedance Date Exceedance Count Exceedance Date	Level ExceedanceAction LevelExceedance Date-Exceedance Count0Exceedance Date-Exceedance Count0Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Date-Exceedance Count0Exceedance Date-Exceedance Date-Exceedance Date-OExceedance DateO0	Level ExceedanceAction LevelLimit LevelExceedance DateExceedance Count00Exceedance DateExceedance Count00Exceedance Count00Exceedance DateExceedance DateExceedance Count00Exceedance Count00Exceedance Count00Exceedance DateExceedance Count00Exceedance Count00	Level ExceedanceAction LevelLimit LevelAction LevelExceedance DateExceedance Count00Exceedance DateExceedance DateExceedance Count00Exceedance Count00Exceedance DateExceedance DateExceedance Count00Exceedance DateExceedance Count00Exceedance Count00Exceedance Count00Exceedance DateExceedance Count00

ks: * equal to non-project related

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

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

6 Waste Management

- **6.1** 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	
Apr to Jun 2024	Portion A +50 mpD to 70 mpD Platform	Excavation Works	
May 2024	Portion B2/E1		

7.3 Monitoring Results

7.3.1 The LFG monitoring was conducted at Portion A +50 mpD to 70 mpD Platform from April to June (conducted on working days) and Portion B2/E1 in May (conducted on working days). The LFG monitoring results are summarized in **Table 7-2**.

Table 7-2	Summary of LFG Monitoring Results				
LFG	Monitoring	Monitoring Parameter(s)			
Monitoring	Date	CH₄ in %	LEL in %/v	CO ₂ in %	O2 in %
Station		Average Monitoring Results (Range)			
	4 = = 2024	0	0	0	20.1
Portion A	Apr 2024	0	0		(20.0 - 20.1)
+50 mpD to	May 2024	0	0	0	20.1
70 mpD	May 2024	0	U		(20.0 – 20.2)
Platform	June 2024	0	0	0	20.1
	June 2024	0	0		(20.0 – 20.2)
Portion	May 2024	0	0	0	20.1
B2/E1	May 2024	0	U	U	(20.0 – 20.2)
Actio	Action Level >10% LEL >0.5%** CO2 <19%		<19%		
Limi	it Level	>20% LEL >1.5% CO ₂ <18%			
LEL: Lower Explosive Limit - concentrations in air below which there is not enough fuel to continue an explosion.					

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

- 7.3.2 No exceedance of Action and Limit Levels of LFG was recorded during the reporting period. 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

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

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

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 (CH ₄)	Action Level >10% LEL*	Prohibit hot works Increase ventilation to restore CH ₄ to <10% LEL
	Limit Level >20% LEL*	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore CH ₄ to <10% LEL
Carbon dioxide (CO ₂)	Action Level** >0.5%** CO ₂	Ventilate to restore CO ₂ to <0.5%
	Limit Level >1.5% CO ₂	Stop works Evacuate personnel / prohibit entry Increase ventilation to restore CO ₂ to <0.5%

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 CO_2 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 Apr 2024	Observation: Unpaved main haul road at SBA and Portion E3-1A are dry and fugitive dust were found.	The Contractor was advised to increase the frequency of watering to prevent dust dispersion.
	02 Apr 2024	Observation: Stockpiling of excavated materials at SBA without covering impervious sheet were found.	The Contractor was recommended that stockpiling of excavated materials at SBA shall be covered by impervious sheet or removed.
	08 Apr 2024	Observation: The section between the site entrance / exit where located from main access road to Portion E3-1 without paving with concrete, bituminous materials or hardcores and without wheel washing facilities were found.	The Contractor was recommended that the section between the site entrance / exit where located from main access road to Portion E3-1 and wheel washing facilities within 30m should be paved with concrete, bituminous materials or hardcores. The wheel washing facilities with high pressure water jet should be provided at the entrance / exit.
	15 April 2024	Reminder: The Contractor was reminded that the stockpiling of dusty materials should be covered entirely by impervious sheeting at SBA to prevent dust dispersion.	
	29 Apr 2024	Observation: The exposed slope surface at Portion E4 shall be covered by tarpaulin sheets properly.	The Contractor was advised to provide impervious sheet to cover the exposed slope surface properly at Portion E4 for slope protection.
	13 May 2024	Observation: The activity of handing of bulk cement or dry PFA shall be carried out at a totally enclosed system or facility at Portion B2-E1.	The Contractor was advised that the activity of handing of bulk cement or dry PFA carried out in a totally enclosed system or facility or placed in an area sheltered on the top and 3 sides to prevent dust dispersion.

Table 11-1 Observations and Recommendations of Site Audit

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Air Quality	27 May 2024	Observation: Working area at Portion E3 is dry and fugitive dust was observed.	The Contractor was reminded to arrange for watering regularly at the work sites of Portion E3 to ensure the work sites are wetted and to prevent dust dispersion.
	27 May 2024	Observation: The generator at Portion B2-E1 without NRMM label was observed.	TheContractorwasrecommendedthatNRMMlabelshouldbefixedanddisplayedthegeneratoratPortionB2-E1.
	11 June 2024	Observation: The stockpiling of dusty materials without covering by impervious sheets properly is observed at SBA.	The Contractor was advised that the stockpiling of dusty materials should be covered properly and entirely by impervious sheeting to prevent dust dispersion at SBA.
	24 June 2024	Reminder: The Contractor was reminded that the frequency of water spraying should be increased under the sunny weather.	
Noise	No specific obs	servation was identified in the reporti	ng period.
Water Quality	02 Apr 2024	Observation: Stockpiling of excavated materials at SBA without covering impervious sheet were found.	The Contractor was recommended that stockpiling of excavated materials at SBA shall be covered by impervious sheet or removed.
	2 Apr 2024	Reminder:	
	8 Apr 2024	The Contractor was reminded that the precaution shall be taken with Appendix A2 of ProPECC	
	15 Apr 2024	PN 1/94 before, during and after rainstorm.	
	22 Apr 2024	Observation: The silt fence at SBA shall be maintained properly to prevent sediment from entering the drainage system.	The Contractor has been reminded to conduct regular maintenance of the silt fence in each layer to prevent sediment from entering the surface water drainage system.
	22 Apr 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.	
	29 Apr 2024	Observation: The exposed slope surface at Portion E4 shall be covered by tarpaulin sheets properly.	The Contractor was advised to provide impervious sheet to cover the exposed slope surface properly at Portion E4 for slope protection.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Water Quality	29 Apr 2024	Reminder: The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94, especially the removal of deposited silt at the sedimentation basins and ponds of Portion E3-1 and E4.	
	6 May 2024	Reminder: The Contractor was reminded that	
	13 May 2024	the precaution shall be taken with Appendix A2 of ProPECC PN 1/94 before, during and after rainstorm.	
	13 May 2024	Reminder: The Contractor was reminded that the exposed slope surfaces at Portion B2-E1 should be covered by tarpaulin.	
	20 May 2024	Reminder: The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94, especially the removal of deposited silt at the sedimentation basins and ponds of Portion E3-1 and E4.	
	27 May 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.	
	27 May 2024	Reminder: The Contractor was reminded that the temporary drainage system e.g. channel and earth bund should be provided and protected properly at Portion E4 to direct stormwater to slit removal facility.	
	3 Jun 2024	Reminder: The Contractor was reminded that	
	11 Jun 2024	the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94, especially the	
	17 Jun 2024	wet-sep operation.	
	17 Jun 2024	Reminder: The Contractor was reminded that the efficient silt fence should be maintained regularly at SBA.	

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Water Quality	24 Jun 2024	Reminder: The Contractor was reminded that the precautions should be taken in accordance with Appendix A2 of ProPECC PN 1/94.	
	24 Jun 2024	Reminder: The Contractor was reminded that the inspection and maintenance for slope protective layer should be enhanced to ensure the effectiveness of the slope surface protective layers.	
Waste and Chemical Management	8 Apr 2024	Observation: The accumulation of C&D Materials and General Refuse (i.e. food waste) were found on the floor at Portion E3-1 near the rest area for workforce.	The Contractor was advised to provide the enclosed bins with clearly label near each the rest area for workforce and the waste skip for collection of C&D Materials should be provided at the designated storage area of Portion E3-1.
	8 Apr 2024	Observation: The chemical container without drip tray was found at Portion E3- 1.	The Contractor was advised to provide the drip tray under the chemical container.
	15 Apr 2024	Observation: Oil drums at SBA without chemical drip tray and label was observed.	The Contractor was recommended to provide a chemical drip tray at SBA for storing and placing the oil drums to prevent oil leakage and subsequent land contamination, and the oil drums at SBA should be labelled in English and Chinese.
	29 Apr 2024	Observation: The chemical containers at Portion E3-1 shall be placed and stored in the chemical drip tray and included chemical label.	The Contractor was reminded to provide chemical drip tray for chemical storage at Portion E3-1 to prevent chemical leakage and land contamination and should be included chemical label.
	13 May 2024	Observation: General waste and C&D waste on the floor was observed at Portion A and D.	The Contractor was reminded to provide and arrange sufficient waste skip and enclosed bins for waste collection and storage at Portion A and D.
	20 May 2024	Observation: Rubbish bins shall be covered and enclosed, and the waste skip shall be placed and designed in a flat area at Portion A.	The Contractor was reminded that rubbish bin for general waste collection should be covered and enclosed, and the waste skip for C&D waste collection and storage should be placed properly in the flat area to prevent water stagnation at Portion A.

Parameter	Date	Observation and Reminders	Follow-up Action Taken
Waste and Chemical Management	20 May 2024	Observation: Oil drum and chemical container at Portion A without the drip tray and chemical label in chinses and English was observed.	The Contractor was recommended to provide chemical drip trays for chemical storage at Portion A to prevent chemical leakage and land contamination, and to provide chemical labels in Chinese and English.
	27 May 2024	Observation: The general waste at Portion E4 shall be collected and stored in the enclosed rubbish bin.	The Contractor was reminded to provide sufficient enclosed rubbish bin for general waste collection and storage at Portion E4.
	27 May 2024	Observation: The chemical container without drip tray was observed at Portion B2-E1.	The Contractor was reminded that the chemical container should be placed in the drip tray properly at Portion B2-E1to prevent chemical leakage and land contamination.
	11 Jun 2024	Observation: The chemical containers without chemical drip tray were observed at Portion A.	The Contractor was reminded that the chemical containers should be placed and stored in the chemical drip tray to prevent chemical leakage and land contamination at Portion A.
	11 Jun 2024	Observation: The chemical container without chemical drip tray was observed at Portion A.	The Contractor was reminded to provide chemical drip tray for placing chemical container to prevent chemical leakage and land contamination.
	24 Jun 2024	Observation: A damaged chemical container and chemical containers without drip tray were found at Portion A.	The Contractor was advised that the chemical containers should be placed on the drip tray and the damaged chemical containers should be handled properly to avoid the potential contamination risk in the project site.
Landscape and Visual Impact	20 May 2024	Reminder: The Contractor was reminded that the exposed slope surface at Portion A should be covered with green netting after the excavation activity in order to reduce visual impact.	
Permit / Licenses	No specific obs	servation was identified in the report	ling period.

11.1.4 One general site inspection on 30 May 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	itoring Station	NM1(a)		NM2(a)	
Parameters	Level Exceedance	Action Level	Limit Level	Action Level	Limit Level
LA _{eq} (30mins)	Exceedance Date	-	-	-	-
Describe to such to such to such	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		WM2	
Parameters	Level Exceedance	Action Level	Limit Level	Action Level	Limit Level
рН	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
DO	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
Turbidity	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0
SS	Exceedance Date	-	-	-	-
	Exceedance Count	0	0	0	0

Remarks: * equal to non-project related

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 Gas Monitoring Station			mpD to 70 mpD form	Portion B2/E1		
Paramet	Level Exceedance	Action Level	Limit Level	Action Level	Limit Level	
CH₄	Exceedance Date	-	-	-	-	
	Exceedance Count	0	0	0	0	
CO ₂	Exceedance Date	-	-	-	-	
	Exceedance Count	0	0	0	0	
O 2	Exceedance Date	-	-	-	-	
	Exceedance Count	0	0	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 1 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		
Amr 2024	Complaint Date	-	-	-	-	-		
Apr 2024	No. of Complaint	0	0	0	0	0		
May 0004	Complaint Date	-	-	9 May 2024	-	-		
May 2024	No. of Complaint	0	0	1	0	0		
hur 0004	Complaint Date	-	-	-	-	-		
Jun 2024	No. of Complaint	0	0	0	0	0		
Total during	the reporting period	0	0	1#	0	0		
Accum	ulate of project	1	0	6(1* & 1#)	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 One 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 increase the frequency of watering to prevent dust dispersion.
- The Contractor was recommended that stockpiling of excavated materials at SBA shall be covered by impervious sheet or removed.
- The Contractor was recommended that the section between the site entrance / exit where located from main access road to Portion E3-1 and wheel washing facilities within 30m should be paved with concrete, bituminous materials or hardcores. The wheel washing facilities with high pressure water jet should be provided at the entrance / exit.
- The Contractor was advised to provide impervious sheet to cover the exposed slope surface properly for slope protection.

- The Contractor was advised that the activity of handing of bulk cement or dry PFA carried out in a totally enclosed system or facility or placed in an area sheltered on the top and 3 sides to prevent dust dispersion.
- The Contractor was reminded to arrange for watering regularly at the work sites to ensure the work sites are wetted and to prevent dust dispersion.
- The Contractor was recommended that NRMM label should be fixed and displayed on the generator.

Construction Noise Impact

• No specific observation was identified in the reporting period.

Water Quality Impact

- The Contractor was recommended that stockpiling of excavated materials at SBA shall be covered by impervious sheet or removed.
- 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 has been reminded to conduct regular maintenance of the silt fence in each layer to prevent sediment from entering the surface water drainage system.
- The Contractor was advised to provide impervious sheet to cover the exposed slope surface properly for slope protection.
- The Contractor was reminded that the temporary drainage system e.g. channel and earth bund should be provided and protected properly to direct stormwater to slit removal facility.
- The Contractor was reminded that the efficient silt fence should be maintained regularly.
- The Contractor was reminded that the inspection and maintenance for slope protective layer should be enhanced to ensure the effectiveness of the slope surface protective layers.

Waste and Chemical Management

- The Contractor was advised to provide the enclosed bins with clearly label near each the rest area for workforce and the waste skip for collection of C&D Materials should be provided at the designated storage area.
- The Contractor was recommended to provide a chemical drip tray for storing and placing the oil drums and chemical containers to prevent oil leakage and subsequent land contamination, and the oil drums and chemical containers should be labelled in English and Chinese.
- The Contractor was reminded that the waste skip for C&D waste collection and storage should be placed properly in the flat area to prevent water stagnation.

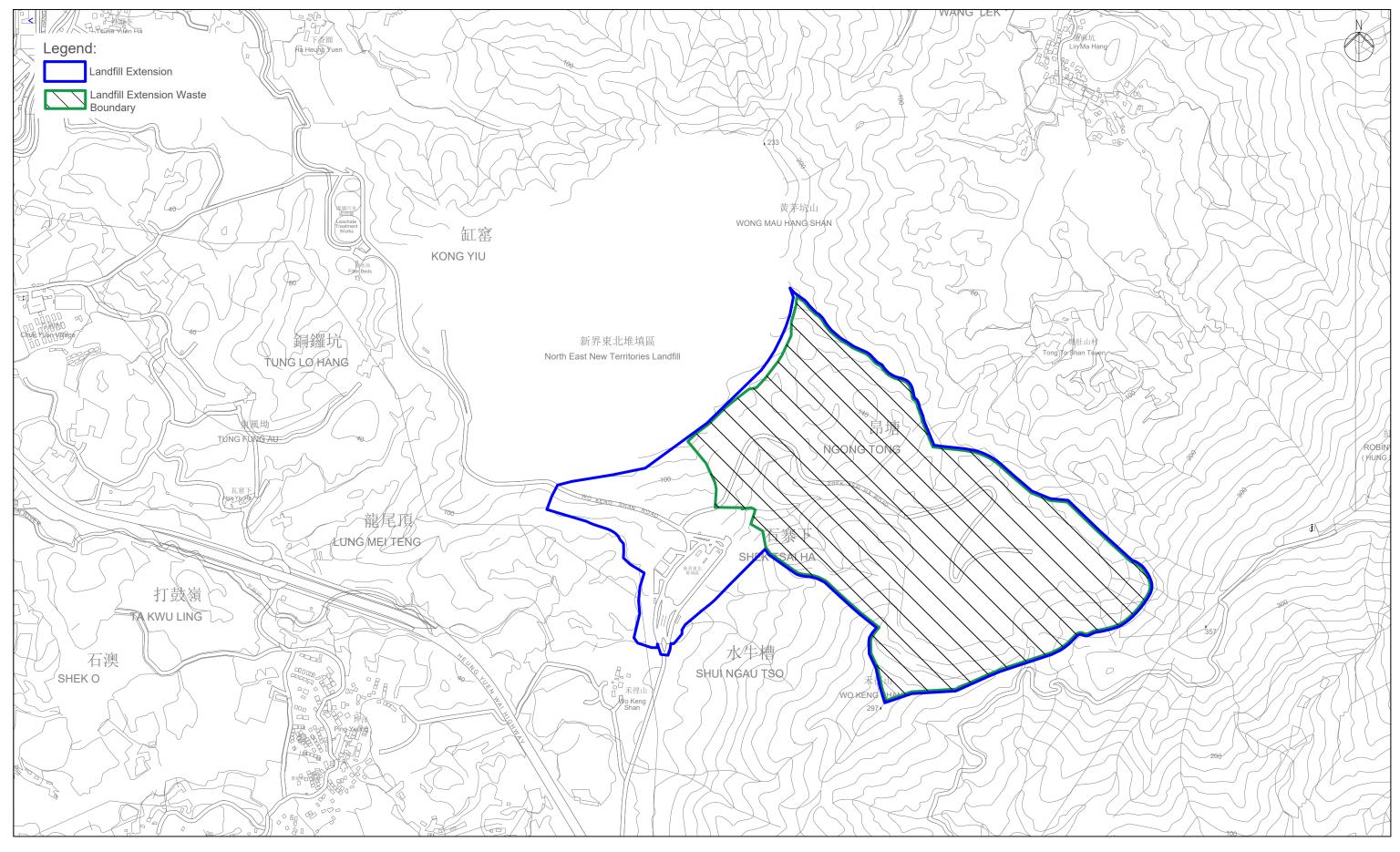
Landscape and Visual Impact

• The Contractor was reminded that the exposed slope surface should be covered with green netting after the excavation activity in order to reduce visual impact.

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



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

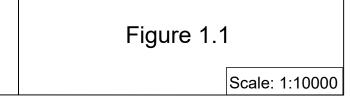
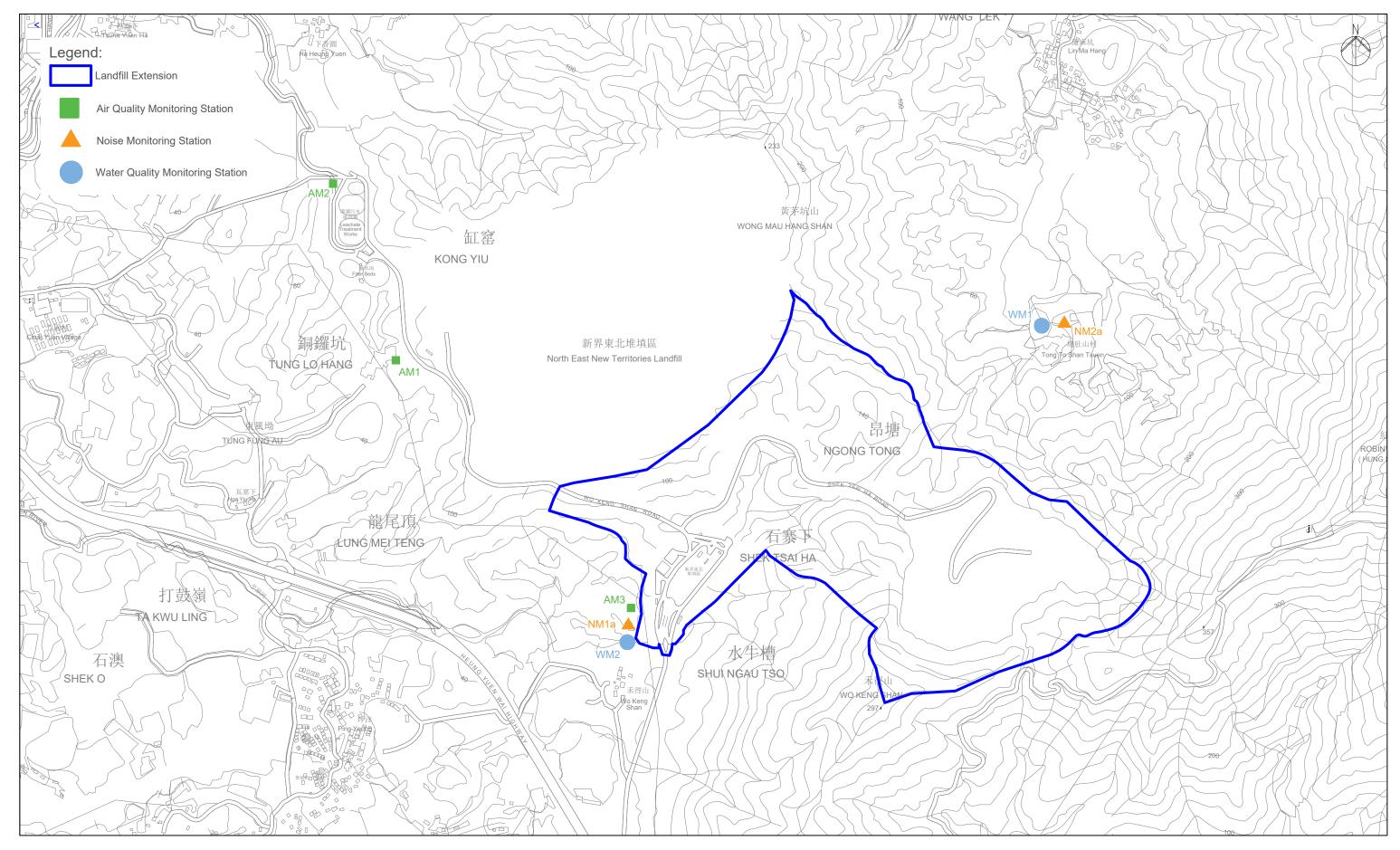


Figure 2 Impact Air, Noise & Surface Water Quality Monitoring Locations



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

Aurecon Hong Kong Limited

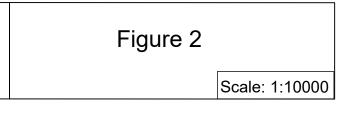
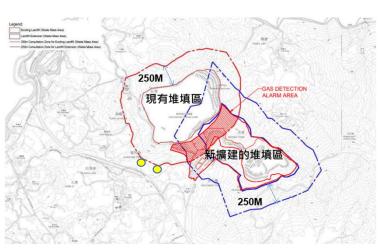
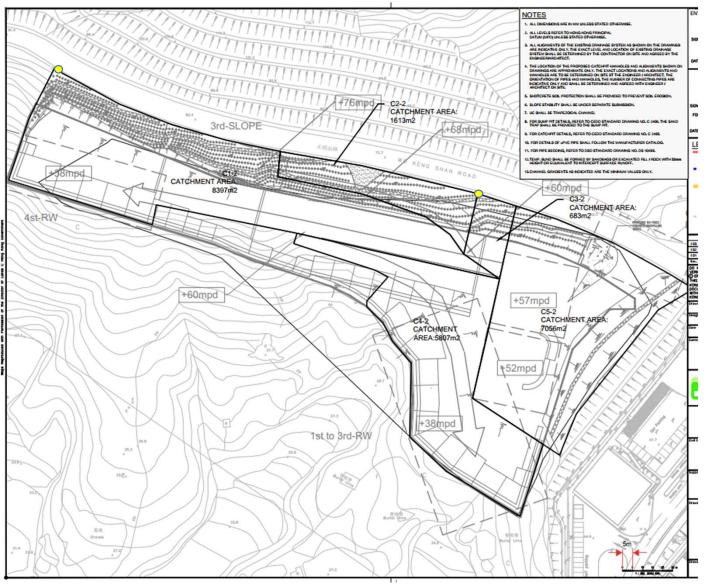


Figure 3 Landfill Gas Monitoring Locations

Gas Monitoring Point • Monitoring Frequency: 2 times per day







AppendixAConstructionProgramme&ConstructionSiteActivities

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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				
Portion A - Readiness for FS inspection (Process Building) 210 07-feb-25 05-Sep-25 08-Feb-25 08-Sep-25 0 0 Portion D : Readiness for FS inspection 120 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 06-Sep-25 0 0 2nd Inspection 210 07-Feb-25 06-Sep-25 08-Feb-25 06-Sep-25 04-Jan-26 0 0 0 0 0 0 0 0 0 0 0 0	Portion A - Readiness for FS inspection (Process Building) 210 07-Feb-25 06-Sep-25 04-Jan-26 04-Jan-26 04-Jan-26				
Portion D : Readiness for FS inspection 120 10-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26	Portion D : Readiness for FS inspection 120 10-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 11-Oct-24 08-Feb-25 10-Oct-24 08-Feb-25 06-Sep-25 04-Jan-26 06-Sep-25 04-Jan-26 0				
2nd Inspection 210 07-Feb-25 06-Sep-25 04-Jan-26 0 <td< td=""><td>2nd Inspection 210 07-Feb-25 06-Sep-25 04-Jan-26 06-Sep-25</td><td></td><td></td><td></td><td></td></td<>	2nd Inspection 210 07-Feb-25 06-Sep-25 04-Jan-26 06-Sep-25				
FS Inspection Certificate 330 08-Feb-25 04-Jan-26 08-Feb-25 04-Jan-26 04-Jan-26 0 STATUTORY SUBMISSION 1446 16-Feb-22A 01-Feb-28 01-Feb-28 <td>FS Inspection Certificate 330 08-Feb-25 04-Jan-26 08-Feb-25 04-Jan-26 04-Ja</td> <td></td> <td></td> <td></td> <td></td>	FS Inspection Certificate 330 08-Feb-25 04-Jan-26 08-Feb-25 04-Jan-26 04-Ja				
STATUTORY SUBMISSION 1448 16-Feb-22A 01-Feb-26 28-Feb-23 01-Feb-26 02-Mar-23 01-Feb-26 0 0 Obtain Licences & Permits for Construction 1418 16-Feb-22A 03-Jan-26 02-Mar-23 01-Feb-26 0	STATUTORY SUBMISSION 1448 16-Feb-22A 01-Feb-26 28-Feb-23 01-Feb-26 02-Mar-23 01-Feb-26 0 0 Obtain Licences & Permits for Construction 148 16-Feb-22A 03-Jan-26 02-Mar-23 01-Feb-26 0				
Obtain Licences & Permits for Operation 1246 04-Sep-22 A 01-Feb-26 15-Mar-23 01-Feb-26 16-Mar-23 01-Feb-26 0	Obtain Licences & Permits for Operation 1248 04-Sep-22 A 01-Feb-28 01-Feb-28 0		1418 16-Feb-22 A 03-Jan-26 28-Feb-23 03-Jan-26 02-Mar-23 04-Jan-26 0		
			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		
			Effort NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION		Date Revision Ch
Remaining Level of Effort NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION Date Revision	Date Revision Ch	Remaining Level of			22-Jun-22 GENERAL REVISION
Remaining Level of Effort Remaining Level of Effort Remaining Work UIPDATED BASELINE PROGRAMME (Rev. 4) Date Revision 22-Jun-22 GENERAL REVISION GENERAL REVISION CONTRACT C	Remaining Level of Effort Bernaining Work NORTH EAST NEW TERRITORIES (NENTX) LANDFILL EXTENSION Date Revision Ch Date Revision Ch 22-Jun-22 GENERAL REVISION				
マ環境保護署 UPDATED BASELINE PROGRAMME (Rev.4) 22-Jun-22 GENERAL REVISION 22-Jun-22 GENERAL REVISION 31-Marc23 GENERAL REVISION 31-Marc23 GENERAL REVISION	環境保護署 Gried Remaining Work UPDATED BASELINE PROGRAMME (Rev.4) UPDATED BASELINE PROGRAMME (Rev.4) UPDATED BASELINE PROGRAMME (Rev.4)	環境保護署 Remaining Work	ork		
現境保護署 Environmental Protection Department Critical Remaining Work のRine as I New TERRITORIES (NENTA) LANDFILL EXTENSION UPDATED BASELINE PROGRAMME (Rev.4) Environmental Protection Department Of Milestone Of Mil	環境保護署 Environmental Protection Department Additional Protectinal Protection Department Additional	環境保護署 Environmental Protection Department Critical Remaining Work Critical Remaining W	Ececutive Summary		
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		



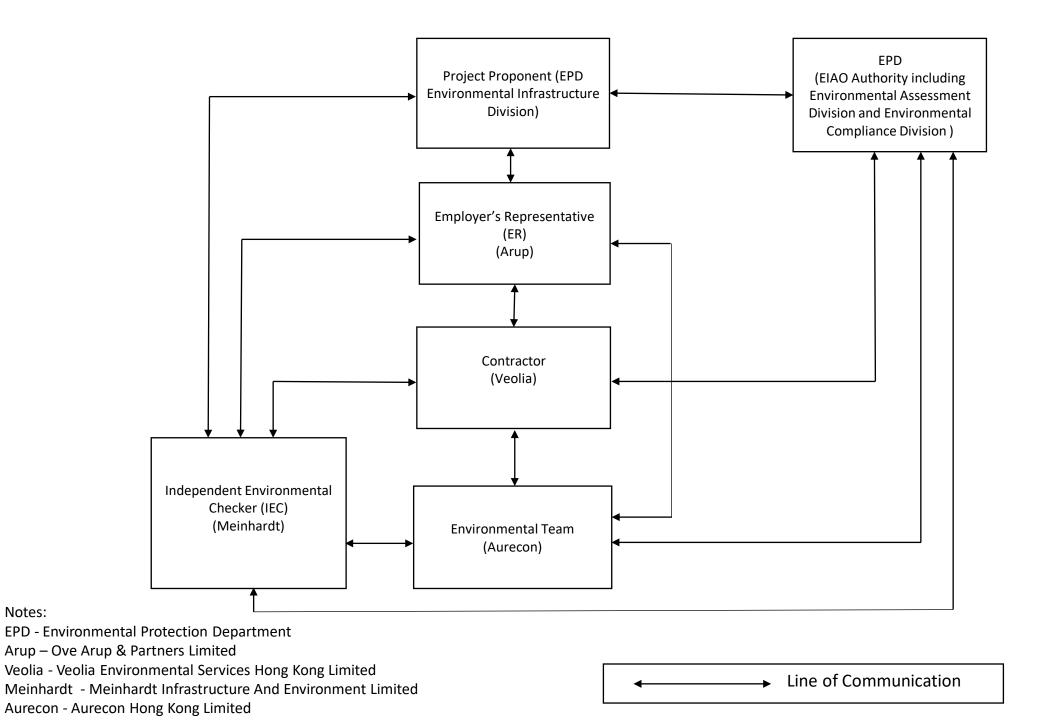


Construction Activities	Where	Who	What - ENV Impacts	Mitigation Measures
Material loading and unloading, site traffic	Portion A, SBA to Alternative Disposal Ground	PYE	Dust, bringing mud to the common haul road	Speed limit, covering of materials and water spraying, lorry washing at the exit of the site
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)

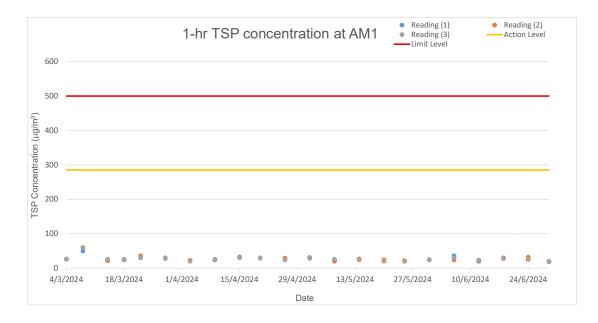
Detail Status of Submissions required under the FEP & EP

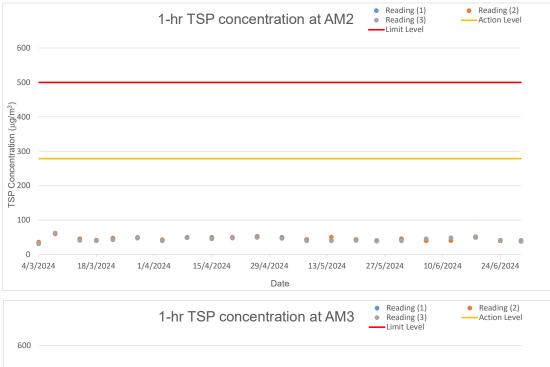
FEP Condition	EP Condition	Submission / Measures	Status
2.8	2.10	Submission of Translocation Report and Post-Translocation Monitoring	Translocation was carried out in July 2022
			Submission Date (27 December 2022)
			1 st monitoring (29 Aug 2022)
			2 nd monitoring (28 Sep 2022)
			3 rd monitoring (28 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)
			17 th report (Apr 2024)
			18 th report (May 2024)
			19 th report (Jun 2024)

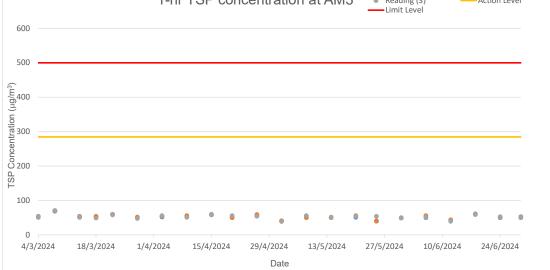
North East New Territories (NENT) Landfill Extension Quarterly Environmental Monitoring and Audit Report (No. 6) – April to June 2024

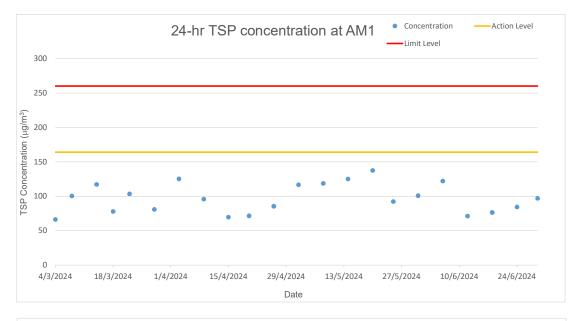
Appendix D Graphical Presentations

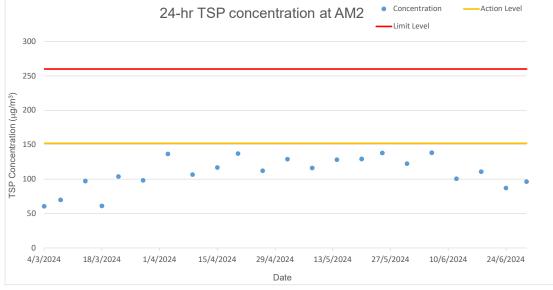
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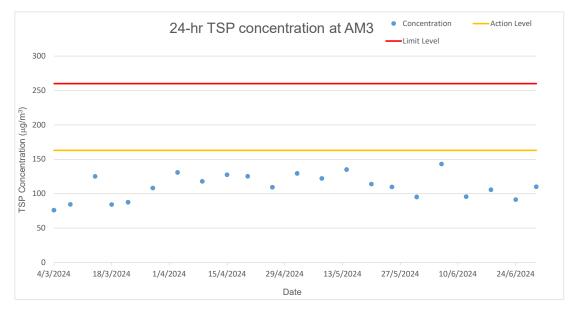








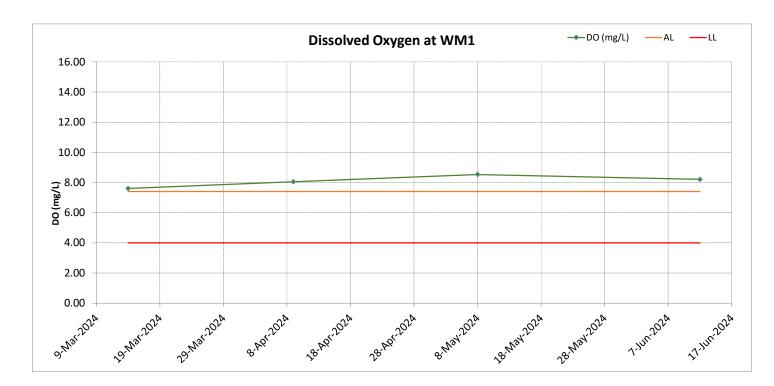


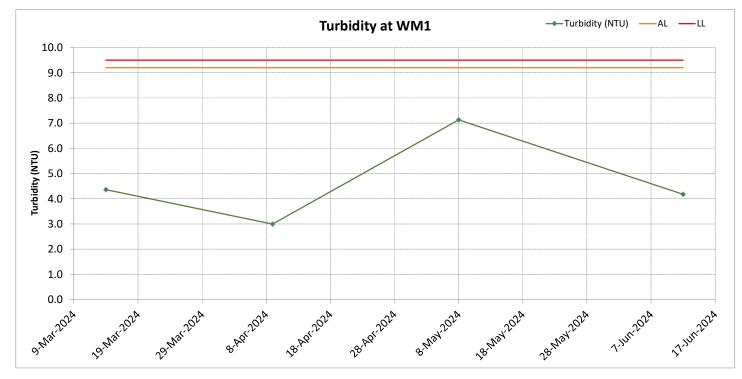


<u>Noise</u>

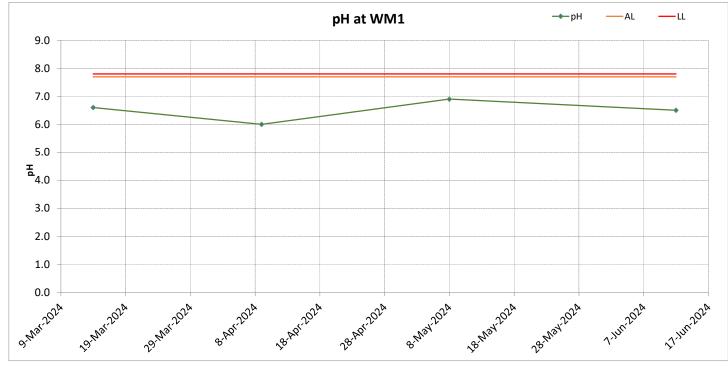


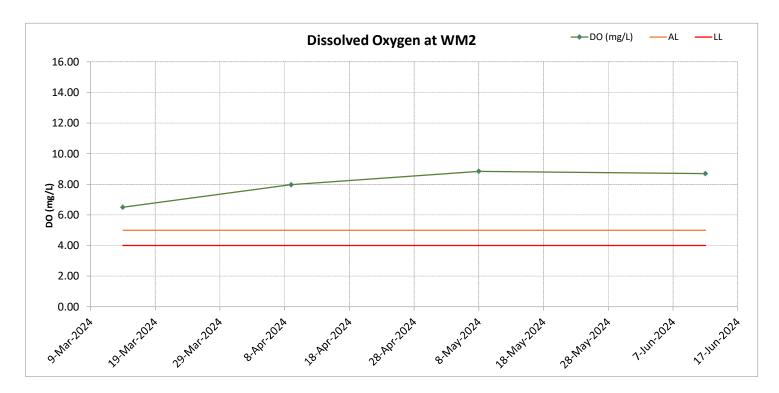
Water Quality

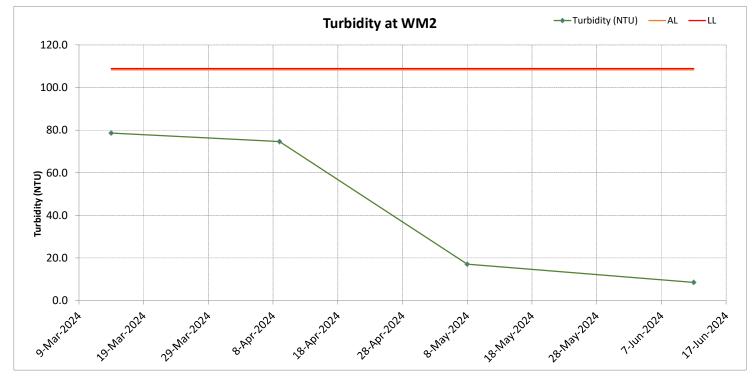


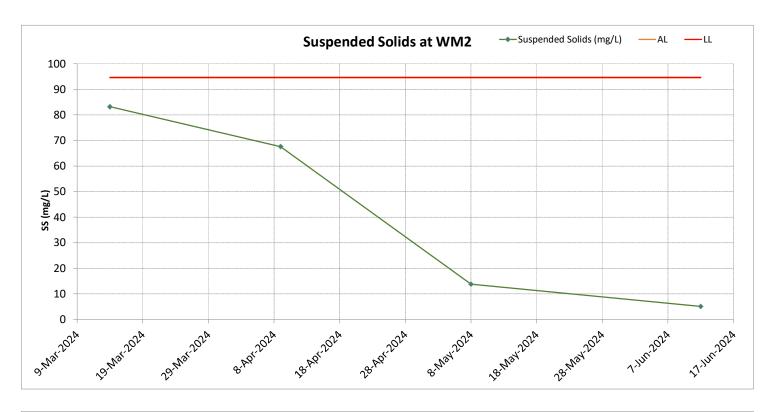


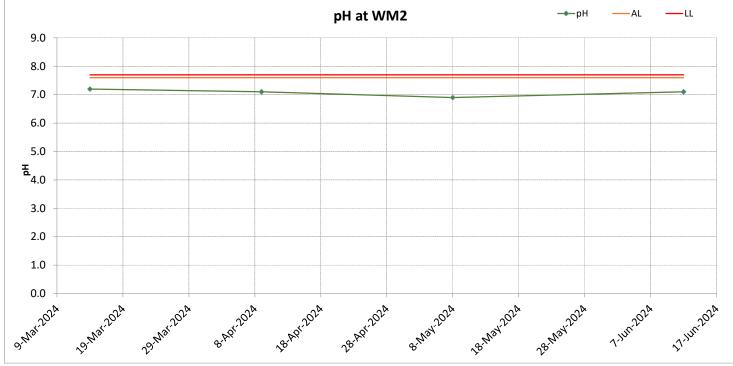












Appendix E Notification of Environmental Quality Limits Exceedance

Notification of Environmental Quality Limits Exceedance

Air Quality Monitoring - Construction Dust

		1-ł	nr TSP Exce	edance Co	unt	24-	hr TSP Exc	eedance Co	ount
Dust Monitoring	Level	Reportir	ıg period		ate project date	Reportir	ıg period		ate project 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		ate project 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								Ex	ceedar	nce Col	unt						
Water	Level			R	eportir	ng perio	bd					Accum	ulate p	oroject	to date)	
Quality Monitoring	Exceedance		Project related				Non-project replated				Project	related	I I	Νοι	1-proje	ct repla	ited
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

						E	xceedai	nce Cou	int						
LFG			F	Reportir	ng perio	d		Accumulate project to date							
Monitoring Station	Level Exceedance	Pro	ject rela	ated		on-proje replateo		Pro	ject rela	ated		on-proje replatec			
		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. 6) – April to June 2024

Appendix F Waste Flow Table

Image: here with the section of the section															
Month Generate Hard Rock and Large Contract Reuse in the Dispose Dispose as Public Fill Importe Fill Paper / Metals Paper / Packagin Paper / Packagin <td></td> <td></td> <td>Total Qua</td> <td></td> <td></td> <td></td> <td>Generated</td> <td>Total Qua</td> <td>ntities of Re</td> <td>ecyclables G</td> <td>eneration</td> <td></td> <td></td> <td></td>			Total Qua				Generated	Total Qua	ntities of Re	ecyclables G	eneration				
Dec-22 84.77 0 0 0 0 0 0 0 0 0 0 0 0 24.51 0 Jan-23 24.51 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 3.69 0 6.96 383.5 Apr-23 18,532.07 0 0 18,466 0 0 0 0 0 0 0 7.45 409.16 Jun-23 15,595.49 0 0 11.21 0 0 0 0 0 0 25.54 262.95 Jul-23 50,595.49 0 0 63,076 0 0 0 0 3.38	Month	Quantity	Broken	the	Other	as Public		Metals	Cardboard		Waste			recyclable	
Jan-23 24.51 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 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 14.69 0 0 0 0 0 0 0 0 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 2.54 262.95 Aug-23 63,178.52 0 0 <td></td> <td>(in tonne)</td> <td>(in '000L)</td> <td>(in tonne)</td> <td>(in tonne)</td>		(in tonne)	(in tonne)	(in tonne)	(in '000L)	(in tonne)	(in tonne)								
Feb-23 506.45 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 3.69 0 6.96 383.5 Apr-23 18,532.07 0 0 18,466 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 7.45 409.16 Jul-23 11,574.89 0 0 11,211 0 0 0 0 0 2.38 0 14.69 346.82 Jul-23 63,178.52 0 0 63,076 0 0 0 0 0 0 3.338 0 Sep-23 42,707.5 0 0 42,676 0 0 0 0 0 2.66 2.62.95 1	Dec-22	84.77	0	0	0	0	0	0	0	0	11.49	0	7.53	65.75	
Mar.23 9,581.15 0 0 9,187 0 0 0 0 3.69 0 6.96 383.5 Apr.23 18,532.07 0 0 18,466 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 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 2.38 0 14.69 346.82 Jul-23 50,595.49 0 0 63,076 0 0 0 0 0 0 0 0 33.38 0 Aug-23 55,551.68 0 0 55,405 0 0	Jan-23	24.51	0	0	0	0	0	0	0	0	0	0	24.51	0	
Apr-23 18,532.07 0 0 18,466 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 0 0 0 0 0 7.45 409.16 Jun-23 11,574.89 0 0 11,211 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 2.54 262.95 Aug-23 63,178.52 0 0 63,076 0 0 0 0 0 0 0 3.0.77 71.75 Sep-23 42,709.75 0 0 42,676 0 0 0 0 0 2.566 0 28.05 116.07 Nov-23 76,127.24 0 0 5296.17	Feb-23	506.45	0	0	0	0	0	0	0	0	3.16	0	5.85	497.44	
May-23 28,889.61 0 0 28,473 0 0 0 0 0 0 7.45 409.16 Jun-23 11,574.89 0 0 11,211 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 0 2.38 0 14.69 346.82 Jul-23 50,595.49 0 0 50,307 0	Mar-23	9,581.15	0	0	9,187	0	0	0	0	0	3.69	0	6.96	383.5	
Jun-23 11,574.89 0 0 11,211 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 2.38 0 14.69 346.82 Jul-23 50,595.49 0 0 50,307 0 0 0 0 0 0 0 0 0 25.54 262.95 Aug-23 63,178.52 0 0 63,076 0 <th< td=""><td>Apr-23</td><td>18,532.07</td><td>0</td><td>0</td><td>18,466</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1.97</td><td>0</td><td>5.81</td><td>58.29</td></th<>	Apr-23	18,532.07	0	0	18,466	0	0	0	0	0	1.97	0	5.81	58.29	
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<	May-23	28,889.61	0	0	28,473	0	0	0	0	0	0	0	7.45	409.16	
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 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 5296.17 0 0 0 34.26 375.34 Jan-24 125,840.50 0 0 125,010 0 0 0 0 0 0 71.13 753.78 Feb-24 108,176.42 0 0 106,218 0 1371.16 0 0 0 <td>Jun-23</td> <td>11,574.89</td> <td>0</td> <td>0</td> <td>11,211</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2.38</td> <td>0</td> <td>14.69</td> <td>346.82</td>	Jun-23	11,574.89	0	0	11,211	0	0	0	0	0	2.38	0	14.69	346.82	
Sep-2342,709.750042,6760000000033.380Oct-2355,551.680055,405000002.56028.05116.07Nov-2376,127.240073,35202629.370000035.13110.74Dec-2363,389.250057,68105296.170002.48034.26375.34Jan-24125,840.5000125,0100000005.59071.13753.78Feb-24108,176.4200106,21801771.160000053.76133.17Mar-2470,683.040068,98901324.130003.260108.43258.01Apr-2477,385.120075,09201883.8700000090.72110.1Jun-2424,576.6304716.4319,2740532.800002.77041.988.58	Jul-23	50,595.49	0	0	50,307	0	0	0	0	0	0	0	25.54	262.95	
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 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 5.59 0 71.13 753.78 Feb-24 108,176.42 0 0 132,010 0 1771.16 0 0 0 0 5.59 0 71.13 753.78 Mar-24 70,683.04 0 0 1324.13 0 0 0 0 108.43 258.01 Apr-24 77,385.12 0 0 75,092 0 1883.87 0 0 0 0	Aug-23	63,178.52	0	0	63,076	0	0	0	0	0	0	0	30.77	71.75	
Nov-2376,127.240073,35202629.3700000035.13110.74Dec-2363,389.250057,68105296.170002.48034.26375.34Jan-24125,840.5000125,010000005.59071.13753.78Feb-24108,176.4200106,21801771.160000053.76133.17Mar-2470,683.040068,98901324.130003.260108.43258.01Apr-2477,385.120075,09201883.87000000112.54296.71May-2445,429.3101396.8842,80901022.6800000090.72110.1Jun-2424,576.6304716.4319,2740532.80002.77041.988.58	Sep-23	42,709.75	0	0	42,676	0	0	0	0	0	0	0	33.38	0	
Dec-2363,389.250057,68105296.170002.48034.26375.34Jan-24125,840.5000125,010000005.59071.13753.78Feb-24108,176.4200106,21801771.160000053.76133.17Mar-2470,683.040068,98901324.130003.260108.43258.01Apr-2477,385.120075,09201883.8700000112.54296.71May-2445,429.3101396.8842,80901022.680000090.72110.1Jun-2424,576.6304716.4319,2740532.80002.77041.988.58	Oct-23	55,551.68	0	0	55,405	0	0	0	0	0	2.56	0	28.05	116.07	
Jan-24125,840.5000125,010000005.59071.13753.78Feb-24108,176.4200106,21801771.160000053.76133.17Mar-2470,683.040068,98901324.130003.260108.43258.01Apr-2477,385.120075,09201883.8700000112.54296.71May-2445,429.3101396.8842,80901022.680000090.72110.1Jun-2424,576.6304716.4319,2740532.80002.77041.988.58	Nov-23	76,127.24	0	0	73,352	0	2629.37	0	0	0	0	0	35.13	110.74	
Feb-24 108,176.42 0 0 106,218 0 1771.16 0 0 0 0 53.76 133.17 Mar-24 70,683.04 0 0 68,989 0 1324.13 0 0 0 3.26 0 108.43 258.01 Apr-24 77,385.12 0 0 75,092 0 1883.87 0 0 0 0 112.54 296.71 May-24 45,429.31 0 1396.88 42,809 0 1022.68 0 0 0 0 90.72 110.1 Jun-24 24,576.63 0 4716.43 19,274 0 532.8 0 0 0 2.77 0 41.98 8.58	Dec-23	63,389.25	0	0	57,681	0	5296.17	0	0	0	2.48	0	34.26	375.34	
Mar-24 70,683.04 0 0 68,989 0 1324.13 0 0 3.26 0 108.43 258.01 Apr-24 77,385.12 0 0 75,092 0 1883.87 0 0 0 0 0 112.54 296.71 May-24 45,429.31 0 1396.88 42,809 0 1022.68 0 0 0 0 90.72 110.1 Jun-24 24,576.63 0 4716.43 19,274 0 532.8 0 0 0 2.77 0 41.98 8.58	Jan-24	125,840.50	0	0	125,010	0	0	0	0	0	5.59	0	71.13	753.78	
Apr-24 77,385.12 0 0 75,092 0 1883.87 0 0 0 0 0 112.54 296.71 May-24 45,429.31 0 1396.88 42,809 0 102.68 0 0 0 0 90.72 110.1 Jun-24 24,576.63 0 4716.43 19,274 0 532.8 0 0 0 2.77 0 41.98 8.58	Feb-24	108,176.42	0	0	106,218	0	1771.16	0	0	0	0	0	53.76	133.17	
May-24 45,429.31 0 1396.88 42,809 0 1022.68 0 0 0 0 90.72 110.1 Jun-24 24,576.63 0 4716.43 19,274 0 532.8 0 0 0 2.77 0 41.98 8.58	Mar-24	70,683.04	0	0	68,989	0	1324.13	0	0	0	3.26	0	108.43	258.01	
Jun-24 24,576.63 0 4716.43 19,274 0 532.8 0 0 0 2.77 0 41.98 8.58	Apr-24	77,385.12	0	0	75,092	0	1883.87	0	0	0	0	0	112.54	296.71	
	May-24	45,429.31	0	1396.88	42,809	0	1022.68	0	0	0	0	0	90.72	110.1	
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	Jun-24	24,576.63	0	4716.43	19,274	0	532.8	0	0	0	2.77	0	41.98	8.58	
	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:

1. The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2. Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

Appendix G Environmental Mitigation Implementation Schedule (EMIS)

Quality 8.1 S3. Instruction N S4.9	Noise	B7 – B36 B4, B15 & B18 B11 – B12 - C1 C2		Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	Entire NENT Landfill Extension site	To control the dust impact to within the criteria of EIA Report (Register No. AEIAR- 111/2007)	✓ ✓ Vehicle washing facilities provided at vehicula
nstruction N	Noise	B4, B15 & B18 B11 – B12 - C1	 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. 1) Use of good site practices to limit noise emissions by considering the following: (a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the 	site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.	Contractor	Landfill	within the criteria of EIA Report (Register No. AEIAR-	
	Noise .9 C	B18 B11 – B12 - C1	 Watering facilities will be provided at every designated vehicular exit point. Good site practice is recommended during construction phase. 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 	impact at the nearby sensitive receivers to within the relevant criteria.		Extension site		 ✓ Vehicle washing facilities provided at vehicula
	- Noise .9 C	- C1	 Good site practice is recommended during construction phase. 1) Use of good site practices to limit noise emissions by considering the following: (a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the 	within the relevant criteria. Control construction				Vehicle washing facilities provided at vehicula
	.9 C		 Use of good site practices to limit noise emissions by considering the following: (a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the 	Control construction				exit point in Portion A, B1-2, D, E3-1 & E4
	.9 C		(a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the	-				√
S4.9	C		(a) Only well-maintained plant should be operated on-site and plant should be serviced regularly during the	-		•	1	1
		C2		means of good site	Contractor	Entire construction site	Noise Control Ordinance	√
	С		(b) Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;	practices		Site		Ý
		C3	(c) Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;	-				×
	C	C4	(d) Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;					N/A
	C	C5	(e) Mobile plant should be sited as far away from NSRs as possible and practicable;	-				×
	C	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.					Ń
S4.9		C11 – C13	2) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards.	Reduce the noise levels of plant items	Contractor	Entire construction site	Noise Control Ordinance & its TM	×
						5110	Annex 5, TM-EIA	
nstruction R	Runoff	1			1	1	1	1
8.1 S5.2	.2.1 D	D1	 Construction on Site Runoff (a) At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be 	Control construction runoff and erosion	Contractor	Entire Construction	ProPECC PN 1/94	(a) √
			constructed with internal drainage works and erosion and sedimentation control facilities implemented. (b) Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.	from site surface, drainage channel, stockpiles, wheel		site	Water Pollution Control Ordinance	(b) 🔨
	D	D2	(a) The dikes or embankments for flood protection should be implemented around the boundaries of earthwork	washing facilities, etc				(a) 🗸
			areas. (b) Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. (c) The sediment/silt traps should be incorporated in the permanent drainage channels	to minimize water quality during				(b) 🗸
			to enhance deposition rates.	construction stage				(c) 🔨
	D	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.					×
	D	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.					$\begin{array}{ccc} (a) & \checkmark \\ (b) & \checkmark \\ (c) & \checkmark \end{array}$
ks:	Co	ompliance of mi	itigation measure					
			n was made during site audit but improved/rectified by the contractor					
			n was made during site audit but not yet improved/rectified by the contractor.					

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

it or measures to	Status
st impact to of EIA	\checkmark
No. AEIAR-	\checkmark
	Vehicle washing facilities provided at vehicular
	exit point in Portion A, B1-2, D, E3-1 & E4
	×

	EM&A	Weekly	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or	Status
	Log Ref	Site	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the measures to	
		Inspection Item		Measures & Main Concerns to address	the measures?		achieve?	
ructi	ion Runoff (Concerns to address	measures			
	S5.2.1	D5	• (a) The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water	Control construction	Contractor	Entire	ProPECC PN 1/94	(a) √
			flows, and (b) all traffic areas and access roads protected by coarse stone ballast. An additional advantage	runoff and erosion		Construction		(a) v (b) √
			accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement	from site surface,		site	DSD Technical Circular	
			weather and the reduction of surface sheet flows.	drainage channel,			TC01/2017	
		D6	• (a) All drainage facilities and erosion and sediment control structures should be regularly inspected and (b)	stockpiles, wheel				(a) 🔨
			maintained to ensure proper and efficient operation at all times and particularly following rainstorms. (c)	washing facilities, etc			Water Pollution Control	(b) √
			Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated	to minimize water			Ordinance	(c) 🗸
			areas.	quality during				(-) .
		D7	• (a) Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of	construction stage				(a) 🔨
			trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable.					(b) 🔨
			(b) Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt					
		D8	removal facilities.					
		Do	 Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m³ chould be sourced with terpaulin or similar fabric during reinsterms. Measures should be taken to prevent the 					\checkmark
			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.					
			washing away or construction materials, son, sit of debris into any dramage system.					
		D9	• (a) Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed					(a) √
			so as (b) to prevent silt, construction materials or debris being washed into the drainage system and storm					(a) v (b) √
			runoff being directed into foul sewers.					
		D10	Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm					\checkmark
			is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2					
			of ProPECC PN 1/94. Particular attention should be paid to the control of silly surface runoff during storm					
			events, especially for areas located near steep slopes.					
		D11	• (a) All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris					(a) 🔨
			and the like is deposited by them on roads. (b) An adequately designed and sited wheel washing bay should					(b) 🔨
			be provided at every construction site exit. (c) Wash-water should have sand and silt settled out and removed					(c) 🗸
			at least on a weekly basis (d) to ensure the continued efficiency of the process. (e) The section of access road					(d) 🗸
			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.					(e) √
		D12	 (a) Oil interceptors should be provided in the site drainage system downstream of any oil/fuel pollution sources. 					(a) N/A
			(a) On interceptors should be provided in the site drainage system downstream of any oninder politicity sources. (b) The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into					(b) N/A
			the storm water drainage system after accidental spillage. (c) A bypass should be provided for the oil					(c) N/A
			interceptors to prevent flushing during heavy rain.					
		D13	Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to					\checkmark
			avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of this Report.					
		D14	All fuel tanks and storage areas should be provided with docks and sited on sealed areas, within bunds of a					\checkmark
			capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching					
			water sensitive receivers nearby.					
		D15	• To prevent pollution risks arising from works area (waste reception area) and haul roads, intercepting bund or					\checkmark
			barrier along the roadside should be constructed.					
		D19	Sewage Effluent from Workforce					(a) 🗸
			(a) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage					(a) v (b) √
			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.					
		D20	• Notices will be posted at conspicuous locations to remind the workers not to discharge any sewage or					N/A
			wastewater into the nearby environment during the construction phase of the Project.					
6:								l
		Compliance of m	itigation measure					

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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Log Ref	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
	,						
		• (a) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. (b) A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	effluent arising from the sanitary facilities provided for the on-	Contractor	On-site sanitary facilities	ProPECC PN 1/94 DSD Technical Circular TC01/2017	(a) ✓ (b) ✓
-	-	 Wonces will be posted at conspicators to remind the workers not to discharge any sewage of 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 	workforce			Water Pollution Control Ordinance	 ✓
		achieve continual improvement of environmental performance on site.				Waste Disposal Ordinance	
S5.2.1	D21	 <u>Accidental Spillage of Chemical</u> (a) Any service workshop and maintenance facilities shall be located within a bunded area, and sumps and oil interceptors shall be provided. (b) Maintenance of equipment involving activities with potential for leakage and spillage will only be undertaken within the areas. 	Control of chemical leakage	Contractor	Service workshop and maintenance facilities	ProPECC PN 1/94 Water Pollution Control Ordinance Waste Disposal Ordinance	(a) N/A (b) N/A
ntrol Meas	sures					·	
S5.2.2	-	 <u>Erosion Control /Measures</u> a. Preserve Natural Vegetation This Best Management Practices will involve preserving natural vegetation to the greatest extent possible during the construction process. and after construction where appropriate. Maintaining natural vegetation is the most effective and inexpensive form of erosion prevention control. 	Erosion control	Contractor	Drainage system	ProPECC PN 1/94 Water Pollution Control Ordinance	√
-	-	 b. Provision of Buffer Zone A buffer zone consists of an undisturbed area or strip of natural vegetation or an established suitable planting adjacent to a disturbed area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filters runoff that may leave the site. 					√
	-	c. Seeding (Temporary/Permanent) A well-established vegetative cover is one of the most effective methods of reducing erosion. Vegetation should be established on construction sites as the slopes are finished, rather than waiting until all the grading is complete. Besides, Hydroseeding will be applied on the surface of stockpiled soil and on temporary soil covers for inactive tipping areas to prevent soil erosion during rainy season.					√
	-	d. Ground Cover Ground Cover is a protective layer of straw or other suitable material applied to the soil surface. Straw mulch and/or hydromulch are also used in conjunction with seeding of critical areas for the establishment of temporary or permanent vegetation. Ground cover provides immediate temporary protection from erosion. Mulch also enhances plant establishment by conserving moisture, holding fertilizer, seed, and topsoil in place, and moderating soil temperatures.					To be implemented
-	-	 e. Hydraulic Application Hydraulic application is a mechanical method of applying erosion control materials to bare soil in order to establish erosion-resistant vegetation on disturbed areas and critical slopes. By using hydraulic equipment, soil amendments, mulch, tackifying agents, Bonded Fiber Matrix (BFM) and liquid co-polymers can be uniformly broadcast, as homogenous slurry, onto the soil. These erosion and dust control materials can often be applied in one operation. 					To be implemented
Ī		 f. Sod Establishes permanent turf for immediate erosion protection and stabilizes drainageways. 					V
		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.	ation				Ý
	S5.2.1	.og RefSite Inspection Itemn Runoff (Cont'd)55.2.1D19D20-55.2.1D21strol Measures	Stead (to be implemented when the trigger level is exceeded, where necessary) Item Item Runoff (Contd) Sexage Effluent from Workfarce 55.2.1 D19 Sexage Effluent from Workfarce 0 Notices will be posted at conspicuous locations to emitted and sevage holding tanks are recommended for handling the construction sevage generated by the workfarce. (b) A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate diaposal and maintenance. D20 Notices will be posted at conspicuous locations to remind the workfars not to discharge any sevage or wastewater into the nearby environmental upformance on site. 65.2.1 D21 Accidental Spillace of Chemical 0 (ia) Approximate and the maintenance facilities shall be located within a bunded area, and sumps and oil interceptors shall be provided. (b) Maintenance of equipment involving activities with potential for leakage and spillage will only be undertaken within the areas. stool Measures a. Preserve Natural Vegetation a. Preserve Natural Vegetation This Best Management Practicos will involve preserving natural vegetation to the greatest extent possible during the construction process, and after construction where appropriate. Maintaining natural vegetation should be established area that reduces erosion and runoff. The rooted vegetation holds soils acts as a wind break and filter zone consists of an undisturbed area on strip of natural vegetation holds soils acts as a wind break and filter an	Inspector Inspector Recommended Measures A Main Concents to address S5.2.1 D19 Sexage Effluent from Workforce Concents to address S5.2.1 D19 Sexage Effluent from Workforce (b) A licensed contactor should be employed to provide appropriate and adequate portable clies and be responsible for appropriate disposal and maintenance. Control sewage offluent attains from the samilary facilities of the construction sewage of use and the construction set of the construction set of the construction address and the construction set of the construction and the construction workforce or site construction workforce Control of the construction workforce S5.2.1 D20 Notices will be posted at conspicuous locations to remind the workfors not to discharge any sewage of users while workforce on site. Control of the construction workforce S5.2.1 D21 Accidential Splitage of Chemical the construction site can provide an effective control of any maipractices and can achieve control in your workforce and the provide and effective and the construction site can provide and effective and the stage and splitage will only be undertaken within the areas. Control of chemical the stage and splitage will only be undertaken within the areas. S5.2.1 D21 Accidential Splitage of Chemical the areas and inspective more response to the stage and inspective more appropriate. Maintaining natural vegetation is the mark and the splitage will only be undertaken within the areas. Control of chemical the stage and inspective more areaspropriate. Maintaining natu	Inspection Site inspection Description Recommended inspection Implement frequencies S52.1 D19 Sexage Effluent from Workforce Control construction sevage Control construction sevage	Bits Its beta (bb be implemented when the target level is accessed, where necessary) Reasonmented Massares Main target Massares Ma	Instrument Instrum

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.

	EM&A	Weekly	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or	Status
f.	Log Ref	Site	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the measures to	
		Inspection		Measures & Main	the		achieve?	
		Item		Concerns to address	measures?			
	1	sures (Cont'd			1 -			
3.2	S5.2.2		h. Plastic Sheeting	Erosion control	Contractor	Drainage	ProPECC PN 1/94	\checkmark
			Plastic Sheeting will provide immediate protection to slopes and stockpiles. However, it has been known to			system		
			transfer erosion problems because water will sheet flow off the plastic at high velocity. This is usually				Water Pollution Control	
			attributable to poor application, installation and maintenance.				Ordinance	
		-	i. Dust Control Dust Control is one preventative measure to minimize the wind transport of soil, prevent traffic hazards and					\checkmark
			reduce sediment transported by wind and deposited in water resources.					
rface V	Vater Draina	age System	reduce sediment transported by wind and deposited in water resources.					
8.2	S5.2.2	D22	• (a) Temporary surface water drainage system will be provided to manage runoff during construction and	Surface Water	Contractor	Surface water	Water Pollution Control	(a) 🔨
.0.2	00.2.2		operation. (b) This system will consist of channels as constructed around the perimeter of the site area. (c)	Management/ Control	Contractor	system	Ordinance	
			This system will collect surface water from the areas of higher elevations to those of lower elevations and	run off		Construction		(b) v
			ultimately to the point of discharge. (d) Erosion will therefore be minimised.				TM-water	(c) √
								(d) 🔨
		D23	• (a) The temporary surface water drainage system will include the use of a silt fence around the soil stockpile					(a) 🔨
			areas to prevent sediment from entering the system. (b) Regular cleaning will be carried out to prevent blockage					(b) 🔨
			of the passage of water flow in silt fence.					
		-	• Intermediate drainage system will be installed for filled cell/phase. The major purpose of the intermediate					N/A
			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. 					IN/A
aste ma	anagement WM1		C&D Materials	Cood site practice to	Contractor	Entire	Waste Disposal Ordinance	\checkmark
		-	m	Good site practice to minimise C&D waste		construction	Waste Disposal Ordinance	N N N N N N N N N N N N N N N N N N N
			• Implement proper waste management measures during construction phase as stipulated in the Environmental	generation and		site	ETWB TC(W) No. 19/2005	
			Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 Environmental Management in	reuse/recycle all C&D				
			Construction Sites.	on-site as far as			DEVB TC(W) No. 6/2010	
		-	• Implement a trip-ticket system to ensure that the movement of C&D materials are properly documented and	possible				V
			verified in accordance with DEVB TC(W) No. 6/2010. Copies/counterfoils from trip-tickets (with quantities of					
			C&D Materials off-site) should be kept for record purposes.					
		-	Appropriate waste management should be implemented in accordance with the ETWB TC(W) No. 19/2005.					↓ √
		E4	• (a) Make provisions in Contract documents to allow and promote the use of recycled aggregates where					(a) √
		L-7		1				(b) v
			appropriate. Ensure material balance in terms of excavated C&D materials in the design of NENT landfill				1	
			appropriate. Ensure material balance in terms of excavated C&D materials in the design of NENT landfill					
			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.					
		E5	 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. Careful design, planning and good site management to minimise over-ordering and waste materials such as 					(a) √
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		E5	 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. 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) 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 					$\begin{array}{ccc} (b) & \checkmark \\ (c) & \checkmark \\ \end{array}$ $\begin{array}{ccc} (a) & \checkmark \\ (b) & \checkmark \end{array}$
		E5	 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. 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) 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 					(b) \checkmark (c) \checkmark (a) \checkmark (b) \checkmark (c) \checkmark
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ks:		E5 E6	 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. 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) 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 					(b) \checkmark (c) \checkmark (a) \checkmark (b) \checkmark (c) \checkmark
5:		E5 E6 Compliance of n	 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. 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) 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. 					(b) \checkmark (c) \checkmark (a) \checkmark (b) \checkmark (c) \checkmark

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

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

A f.	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
ste Ma	nagement			1		1		
	WM1	E7	 (a) Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste. (b) The sorted public fill and C&D waste should be properly reused. 	Good site practice to minimise C&D waste generation and reuse/recycle all C&D on-site as far as	Contractor	Entire construction site	Waste Disposal Ordinance ETWB TC(W) No. 19/2005	(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 	possible			DEVB TC(W) No. 6/2010	(a) ✓ (b) ✓ (c) ✓
		E9	• If any topsoil-like materials need to be stockpiled for any length of time, consideration should be given to hydroseeding of the topsoil on the stockpile to improve its visual appearance and prevent soil erosion.					×
		E10	Nomination of approved personnel to be responsible for good site practices and making arrangements for collection of all wastes generated on-site and effective disposal.					×
		E11	Training of site personnel for cleanliness, proper waste management procedures including chemical waste handling, and waste reduction, reuse and recycling concepts.					Ý
		E12	Regular cleaning and maintenance programme systems, sumps and oil interceptors.					×
		E13	• (a) Prior to disposal of C&D waste, wood, steel and other metals should be separated for re-use and/or recycling to minimise the quantity of waste to be disposed of to landfill. (b)(c) Proper storage and site practices should be implemented to minimise the potential for damage or contamination of construction materials.					(a) ✓ (b) ✓ (c) N/A
			• Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. Minimise excessive ordering of concrete, mortars and cement grout by doing careful check before ordering.					\checkmark
	WM2	E16 – E23	 <u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. 	Ensure proper disposal of chemical waste generated on- site to minimise the associated hazards	Contractor	Entire construction site	Waste Disposal (Chemical 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	×
		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.					×

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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			tion Schedule (EMIS) Construction Phase				
EIA	EM&A	Weekly	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement of
Ref.	Log Ref	Site	(to be implemented when the trigger level is exceeded, where necessary)	Recommended	implement	measures	standards for the m
		Inspection		Measures & Main	the		achieve?
		Item		Concerns to address	measures?		
Waste N	lanagement	(Cont'd)					
S6	WM3	E1	General Refuse	Minimise generation	Contractor	Entire	Waste Disposal Or
			• General refuse generated on-site should be properly stored in enclosed bins or compaction units separately	of general refuse to		construction	
			from construction and chemical wastes.	avoid odour, pest and		site	
		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 	visual nuisance			
		-	• Reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law.				
		-	Aluminium cans should be separated from general waste stream and collected by recyclers. Proper collection bins should be provided on- site to facilitate the waste sorting.				
		-	Office waste paper should recycled if the volume warrant collection by recyclers. Participation in community waste paper recycling programme should be considered by the Contractor, including waste paper, aluminium cans, plastic bottles, waste batteries, etc.				

LFG

LFG1	F1	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
		to avoid potential hazards of LFG exposure (ignition, explosion, asphyxiation, toxicity).	of LFG hazards to		construction	Assessment Guidan
LFG2	F2	Prominent safety warning signs should be erected on-site to alert all personnel and visitors of LFG hazards during	personnel in		site	(EPD/TR8/97)
		excavation works.	construction site			
LFG3	F3	No smoking or burning should be permitted on-site.			F&IU (Confined Spa	
LFG4	F4	Prominent 'No smoking' and 'No Naked Flames' signs should be erected on-site.				Regulations
LFG5	F5	No worker should be allowed to work alone at any time in excavated trenches or confined areas on-site.				Code of Practice on
LFG6	F6	Adequate fire fighting equipment should be provided on-site.				and Health at Work i
LFG7	F7	Construction equipment should be equipped with vertical exhaust at least 0.6m above ground installed with spark				Confined Spaces
		arrestors.				
LFG8	F8	Electrical motors and extension cords should be explosion-proof and intrinsically safe for use on-site.				
LFG9	F9	'Permit to Work' system should be implemented.				
LFG10) F10	Welding, flame-cutting or other hot works should be conducted only under 'Permit to Work' system following clear				
		safety requirements, gas monitoring procedures and presence of qualified persons to supervise the works.				
LFG1'	I 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	2 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	3 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	1 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.				
LFG1	5 F15	(a) LFG precautionary measures involved in excavation and piping works should be provided in accordance with				
1		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.				

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Compliance of mitigation measure

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

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

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

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

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	(c) 🗸
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azard	N/A
Guidance Note	
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ice on Safety	\checkmark
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	\checkmark
	(a) N/A
	(b) N/A

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

Environme	Invironmental Miligation Implementation 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?	
				Concerns to address	measures?			
	nťd)	16:11 F						
		Ifill Extension	For lowe development such as NENT low fill extension a Cofety Officer trained in the use of new detection	To univiation the state	O a m tras a ta m	F uting		
	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	√
			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	F1/	(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					
-	1 5040	F 40	10mm from exposed ground surface.	-				
	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						
	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				
- 1	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	1		
			For all affected trees, the principle of avoidance of tree felling and tree transplanting of tree before felling should					
			For all affected trees, the principle of avoidance of tree felling and tree transplanting of tree before felling should apply whenever possible. A tree felling application should be submitted to DEVB-GLTMS and be approved before any trees are felled or transplanted.					

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.

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

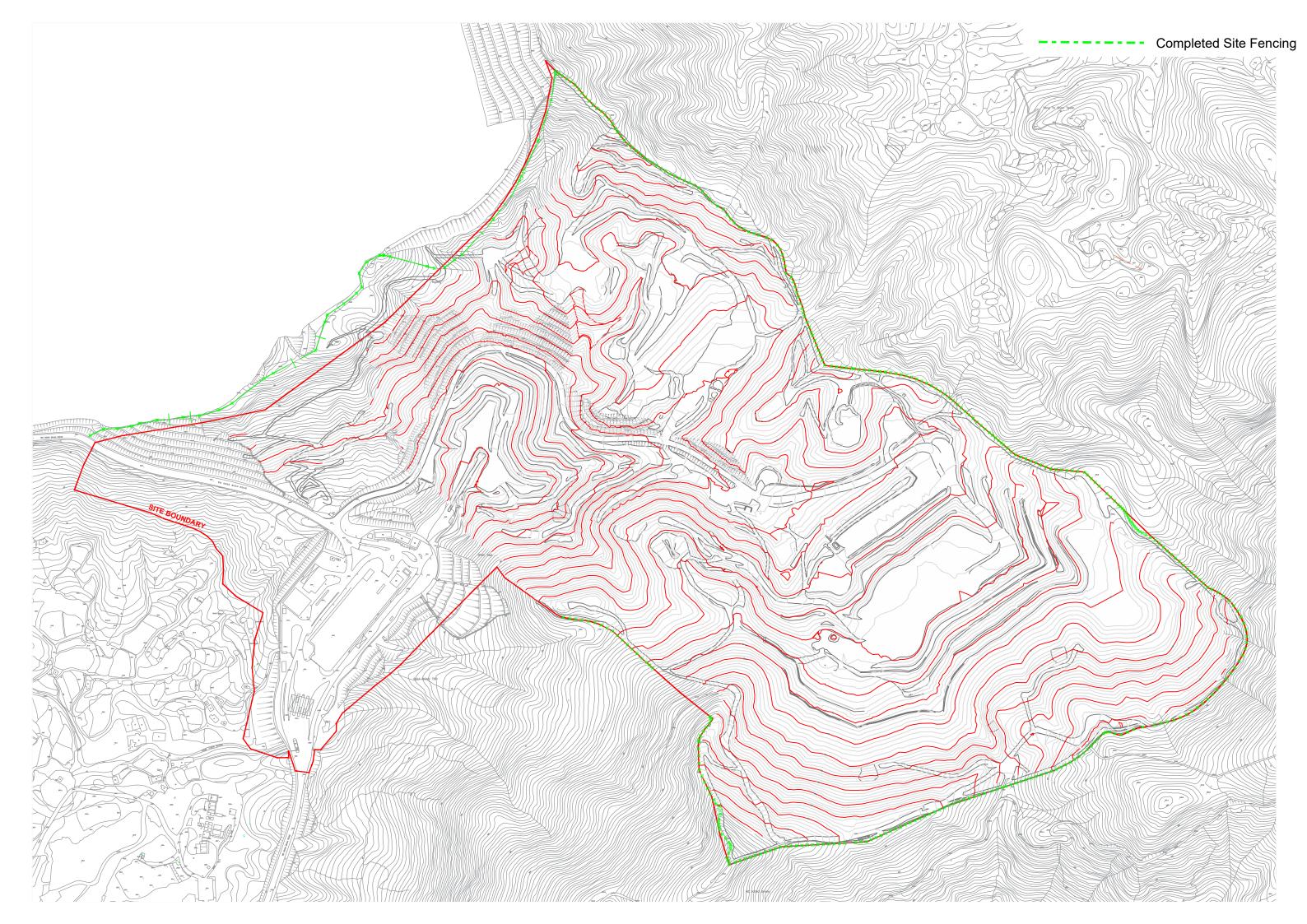
Environmental Mitigation Implementation Schedule (EMIS) Construction Phase												
EIA	EM&A	Weekly Site	Recommended Precautionary/Mitigation Measures	Objectives of the	Who to	Location of the	What requirement or					
Ref.	Log	Inspection	(to be implemented when the trigger level is exceeded, where 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
C007_20240509	9 May 2024	EPD-RNG	ET	Water Quality	13 May 2024	It was noted from EPD-RNG's email to the ET on 9 May 2024 that EPD receipted a memo from DSD/Mainland North regarding the incident of muddy water observed in Ping Yuen River, at the downstream of NENTX, on 23 April 2024. The related investigation results will be presented when the investigation was finished.	TBC

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)"

3. "NA" equal to "Not Applicable"

Cumulative Statistics on Complaints

Aspects	Cumulative No. Brought Forward	No. of Complaints during reporting period	Cumulative Project-to- Date
Air Quality	1*	0	1*
Noise	0	0	0
Water Quality	5(1*)	1#	6(1* & 1 [#])
Waste Management	0	0	0
Total	6(2*)	1#	7(2* & 1#)

Remarks:

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

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