

# **Contract No. CM 04/2024 – Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works – Environmental Team Services (2025 - 2027)**

Quarterly Environmental Monitoring, and Audit  
Report for:

August to October 2025

Revision 1

Certified By:

A handwritten signature in black ink, appearing to read "Ting Po Chung".

Ting Po Chung, Ivan  
Environmental Team Leader  
Report Date: 24 December  
2025



**Drainage Services Department**  
The Government of the Hong Kong Special Administrative Region

Our Ref: 7076811/L32782/AC/KL/TK/KCL/jm

24 December 2025

Drainage Services Department  
Sewage Services Branch  
Consultants Management Division Group 4  
42/F Revenue Tower  
5 Gloucester Road  
Wan Chai, Hong Kong

**By Email and Post**  
(kkchan06@dspd.gov.hk)

Attention: Mr. Chan Ka Keung

Dear Sir

**Contract No. SD 7/2020**  
**Independent Environmental Checker (“IEC”) for Environmental Monitoring Work for**  
**South Lantau Sewerage Works**  
**Verification of Quarterly EM&A Summary Report (August 2025 – October 2025)**

With reference to the Quarterly EM&A Summary Report (August 2025 – October 2025) Revision 1 certified by the ET Leader on 24<sup>th</sup> December 2025, please note that we have no adverse comments on the captioned. We herewith verify the captioned in accordance with Section 12.3 of the EM&A Manual (AEIAR-210/2017).

Should you have questions please do not hesitate to contact the undersigned at tel. 3995-8100 or by email to kitty.lee@smec.com or contact to our Mr Tommy KONG at tel. 3995-8123 or by email to tommy.kong@smec.com.

Yours faithfully



**Kitty LEE**  
Independent Environmental Checker

cc	Binnies	-	Mr Kevin CHAN	by email
	Umwelt	-	Mr Ivan TING	by email
	KLCW-JV	-	Mr Daniel CHU	by email

## Content:

<b>1.</b>	<b>Introduction</b> .....	<b>1</b>
1.1	Project Background .....	1
1.2	Environmental Monitoring & Audit Programme .....	1
1.3	Quarterly Environmental Monitoring & Audit Report .....	2
<b>2.</b>	<b>Basic project Information and Environmental Status</b> .....	<b>3</b>
2.1	Basic Project Information.....	3
2.2	Construction Programme.....	3
2.3	Works undertaken during the Reporting quarter .....	4
<b>3.</b>	<b>Environmental Monitoring and Audit (“EM&amp;A”) Requirement</b> .....	<b>5</b>
3.1	Summary of Monitoring Parameters.....	5
3.2	Environmental quality performance limits (Action and Limit levels); and Results Summary .....	5
3.3	Implementation Status of Environmental Mitigation Measures .....	7
3.4	Complaints, Non-Compliance, and Notification of Summons and Prosecution .....	8
<b>4.</b>	<b>Conclusion</b> .....	<b>9</b>
4.1	Environmental Monitoring and Audits.....	9
4.2	Implementation of Environmental Mitigation Measures .....	9

## Tables:

Table 2.1:	Contact Details of Key Personnel
Table 3.1:	Summary of Impact EM&A Requirements
Table 3.2:	Action and Limit Levels for Noise Monitoring
Table 3.3:	Action and Limit Levels for Water Quality
Table 3.4:	Summary of Ecological Impact Monitoring
Table 3.5:	Summary of Quantities of Waste Material in the Reporting Quarter

## Figures:

Figure 2.1	Master Layout Plan
Figure 3.1	Locations of Noise Monitoring Station
Figure 3.2	Locations of Water Quality Monitoring Station

## Appendices:

Appendix 3.1	Noise Monitoring Graphical Presentations
Appendix 3.2	Final Investigation Report
Appendix 3.3	Waste Material in the Reporting Quarter

## Executive Summary

This Quarterly Environmental Monitoring and Audit (“EM&A”) Report summarises project monitoring, and auditing data, with full interpretation illustrating the acceptability or otherwise of any environmental impacts, and identification or assessment of the implementation status of agreed mitigation measures, including monitoring results, and findings of the EM&A Programme, along with findings recorded during the site Inspections, and audits, reports of Complaints, Notifications of Summons, and Successful Prosecutions, and other necessary observations obtained within this reporting quarter from 1 August 2025 to 31 October 2025.

### Key Construction Works in the Reporting quarter

#### San Shek Wan Sewage Treatment Works (“SSWSTW”)

- Excavation and site formation
- Superstructure Reinforced Concrete (“RC”) works
- Waterproofing work

#### Pui O Sewage Pumping Station (“POSPS”)

- Excavation and Excavation and Lateral Support (“ELS”) work
- Electrical and Mechanical (“E&M”) Installation

#### Lo Uk Tsuen, Pui O

- Excavation, sewer laying, construction of manhole

#### South Lantau Road

- Excavation, sewer laying, construction of manhole

#### Chi Ma Wan Road

- Excavation, sewer laying, construction of manhole
- Trenchless drilling works

### Environmental Monitoring, and Audit Progress

The EM&A Programme is implemented in accordance with the EM&A Manual under the EIA Report. A summary of the monitoring activities during this reporting quarter as below:

Monitoring Activity	Monitoring Date		
	August 2025	September 2025	October 2025
Noise	7-8, 11, 22 and 28	3-4, 9-10, 15-16 and 25-26	6, 9-10, 14-15, 23 and 31
Water Quality	N/A	N/A	N/A
Nursery visit for transplanted trees	27	22	20
Site Inspection	4, 11, 18 and 27	1, 9, 15, 22 and 30	6, 13, 20 and 27

### Breaches of Action, and Limit Levels

Subsequent to the completion of marine work on 24 May 2025, water quality monitoring was considered completed by 30 May 2025. No water quality monitoring is conducted in this reporting quarter. Should marine works resume, water quality monitoring will be conducted in accordance with the requirement stipulated in the EM&A Manual accordingly.

A summary of environmental exceedances for this reporting quarter is as follows:

Environmental Monitoring	Parameters	Action Level	Limit Level
Noise	Leq (30 min)	0	0
Water Quality	Suspended solids level (“SS”)	0	0
	Turbidity level	0	0
	Dissolved oxygen level (“DO”)	0	0

### **Ecological Impact Monitoring**

Transplanting of the trees of *Aquilaris sinensis* was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.

4 trees found (1 no. of *Aquilaria sinensis*, and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin, and eventually be transplanted to POSPS.

The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.

The extent of the work site boundaries was checked by the ET during the weekly site audit.

### **Complaints, Notification of Summons and Prosecution**

On 16 September 2025, the received complaint was related to a reported oil sheen observed in the wetland area near Pui O Wetland, Lantau Island. On 25 September 2025, additional information from EPD was received that oil signs spotted in the Pui O. Subsequent investigations have been conducted.

An unannounced inspection conducted by ET on 17 September 2025, joint site investigation conducted by ET and the Contractor on 18 September 2025, and a joint site investigation conducted by ET, EPD, and the Contractor on 25 September 2025, and the subsequent site inspection conducted with ET, and Contractor on the same day. Preliminary findings showed that the diesel drum stored within the Project Sites were stored properly with no leakage or spillage. No oil signs within the project sites were found during the inspections conducted throughout the period of complaint investigation. Also, locations of the identified oil sheen are not within proximity of the Project Site.

The Final Investigation Report was submitted to EPD on 17 October 2025. Given that there is no evidence of oil leakage within our project site, it is considered that the oil pollution was not caused by our site operations. As such, the case is considered closed.

No notification of summons and successful prosecution regarding construction works were recorded in the reporting quarter.

### **Reporting Changes**

There are no reporting changes in the reporting quarter.

## 1. Introduction

### 1.1 Project Background

- 1.1.1 The Environmental Protection Department (“EPD”) completed the Outlying Islands Sewerage Master Plan (“SMP”) Study in 1994 and drew up a SMP for Lantau Island and other outlying islands. The proposed sewerage works of the SMP were divided into 2 stages. The Stage 2 Works of the SMP were subsequently reviewed by EPD under the Outlying Islands Sewerage Master Plan Stage 2 Review (SMP Review Study) in 2001.
- 1.1.2 The proposed sewerage works for South Lantau were further reviewed in 2008 under the Review of Sewerage Scheme for South Lantau (Review Study). According to the Review Study, the proposed sewerage works for South Lantau would serve the unsewered areas of Shui Hau, Tong Fuk, Cheung Sha, San Shek Wan, Pui O and Ham Tin.
- 1.1.3 The Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works, herein referred to as “the Project”, referred to the sewerage works for South Lantau that would serve the unsewered areas of Shui Hau, Tong Fuk, Cheung Sha, San Shek Wan, Pui O and Ham Tin.
- 1.1.4 The Project mainly comprises of the following items:
- Construction of a secondary sewage treatment works (“STW”) at San Shek Wan in South Lantau;
  - Construction of sewage pumping station (“SPS”) at Pui O, San Shek Wan, Cheung Sha, Cheung Fu Street, Shui Hau and Tong Fuk;
  - Construction of about 1.4km of twin submarine outfalls with a diameter of 350mm for the disposal of treated effluent from the STW at San Shek Wan;
  - Construction of about 10.1km of gravity sewers with diameters ranging from 150mm to 375mm along South Lantau Road and Chi Ma Wan Road and at Pui O; and
  - Construction of about 3.1km of twin rising mains with a diameter of 200mm to 250mm along South Lantau Road and Chi Ma Wan Road.

### 1.2 Environmental Monitoring & Audit Programme

- 1.2.1 An Environmental Impact Assessment (“EIA”) was subsequently prepared to review the potential environmental impact that would be due to the Project during its construction works and operational works. The EIA Report was submitted and approved on 24 April 2017, and Environmental Permit (“EP”) No. EP-538/2017 was subsequently granted on 13 July 2017.
- 1.2.2 The EM&A Programme is therefore implemented in accordance with the EM&A Manual under the EIA Report.
- 1.2.3 Umwelt Consulting Limited (“UCL”) has been appointed to work as the Environmental Team (“ET”) under EP No. EP-538/2017 to implement the EM&A programme as stipulated in the EM&A Manual of the approved EIA Report for the Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works (Register No.: AEIAR-210/2017).

### **1.3 Quarterly Environmental Monitoring & Audit Report**

- 1.3.1 This Quarterly EM&A Report summarises project monitoring and auditing data, with full interpretation illustrating the acceptability or otherwise of any environmental impacts and identification or assessment of the implementation status of agreed mitigation measures, including monitoring results and findings of the EM&A Programme, along with findings recorded during the site Inspections and audits, reports of Complaints, Notifications of Summons and Successful Prosecutions, and other necessary observations obtained within this reporting quarter from August 2025 to October 2025.

## 2. Basic project Information and Environmental Status

### 2.1 Basic Project Information

2.1.1 Drainage Services Department (“DSD”) is the project proponent and the permit holder of the Project. For the construction phase of the Project, Contractor(s), ET and Independent Environmental Checker (“IEC”) are appointed to manage and control environmental issues. Key personnel and contact particulars are summarized in **Table 2.1**.

2.1.2 Upon conclusion of Contract No: SD 15/2022 Outlying Island Sewerage Stage 2 – South Lantau Sewage Works – Environmental Team Services (2023 – 2024), the subsequent contract, Contract No. CM 04/2024 Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works – Environmental Team Services (2025-2027), has been awarded to Umwelt Consulting Limited (“UCL”) starting 1 February 2025. As such the environmental team leader (“ETL”) appointed for the Project has been updated to Mr. Ting Po Chung, Ivan since 1 February 2025. His contact details has been updated in **Table 2.1**.

2.1.3 There are no other reporting changes in the reporting quarter.

**Table 2.1: Contact Details of Key Personnel**

Party	Role	Post	Name	Contact No.	Contact Fax
Drainage Services Department	The Engineer for the Contract	Engineer	Mr. KK Chan	2594 7297	3104 6426
Binnies Hong Kong Limited	Engineer’s Representative	Resident Engineer	Mr. Kevin Chan	3529 3003	-
Kwan Lee – Chun Wo Joint Venture	Contractor	Sub Agent	Mr. Daniel Chu	6737 6701	2744 6937
		Environmental Supervisor	Ms. Joey Pang	6978 2876	
		Environmental Supervisor	Mr. Philip Wong	6908 8920	
SMEC Hong Kong	IEC	IEC	Ms. Kitty Lee	3995 8140	3422 3631
Umwelt Consulting Limited	ET	ET Leader	Mr. Ivan Ting	3756 9590	3582 3310

### 2.2 Construction Programme

2.2.1 The proposed sewerage works will collect the sewage generated from the unsewered areas of Shui Hau, Tong Fuk, Cheung Sha, San Shek Wan, Pui O and Ham Tin in South Lantau (i.e. within the Project Catchment Area) and convey it to a proposed sewage treatment works at San Shek Wan for treatment and disposal into outer bay of Pui O / Chi Ma Wan via a submarine outfall.

2.2.2 The Project was divided into 3 contracts. The current contract, Contract No. DC/2020/02 - Construction of San Shek Wan Sewage Treatment Works, Associated Submarine Outfall and Pui O Sewerage Works (“the Contract”) would have the following implementations. The works site of the Contract is also given in **Figure 2.1**.

2.2.3 The major components of the Contract under Environmental Permit (“EP”) (EP No. EP-538/2017) comprises:

- a) Construction of a secondary sewage treatment works (“STW”) at San Shek Wan in South Lantau;
- b) Construction of a sewage pumping station (“SPS”) at Pui O, San Shek Wan, Cheung Sha and Cheung Fu Street;
- c) Construction of about 1.4km of submarine outfall with a diameter of 350mm for the disposal of treated effluent from the STW at San Shek Wan;
- d) Construction of about 10.1km of gravity sewers with diameters ranging from 150mm to 375mm along South Lantau Road and Chi Ma Wan road and at Pui O; and
- e) Construction of about 3.1km twin rising mains with a diameter of 200mm to 250mm along South Lantau Road and Chi Ma Wan Road.

### 2.3 Works undertaken during the Reporting quarter

2.3.1 In the reporting quarter, the principal work activities conducted are as follow:

#### San Shek Wan Sewage Treatment Works (“SSWSTW”)

- a) Excavation and site formation
- b) Superstructure Reinforced Concrete (“RC”) works
- c) Waterproofing work

#### Pui O Sewage Pumping Station (“POSPS”)

- a) Excavation and Excavation and Lateral Support (“ELS”) work
- b) Electrical and Mechanical (“E&M”) Installation

#### Lo Uk Tsuen, Pui O

- a) Excavation, Sewer Laying, and Construction of Manhole

#### South Lantau Road

- a) Excavation, Sewer Laying, and Construction of Manhole

#### Chi Ma Wan Road

- a) Excavation, Sewer Laying, and Construction of Manhole
- b) Trenchless drilling works

### 3. Environmental Monitoring and Audit (“EM&A”) Requirement

#### 3.1 Summary of Monitoring Parameters

3.1.1 The EM&A programme requires environmental monitoring, noise monitoring, water quality monitoring, and ecology as specified in the approved EM&A Manual.

3.1.2 A summary of Impact EM&A requirements is presented in **Table 3.1**. The locations of noise monitoring stations, and water quality monitoring stations are shown in **Figure 3.1** and **Figure 3.2** respectively.

**Table 3.1: Summary of Impact EM&A Requirements**

Environmental Monitoring Aspects	Parameters and Unit	Monitoring Station	Frequencies	Remarks
Noise	$L_{eq}$ (30mins), $L_{10}$ (30mins) and $L_{90}$ (30mins)	N12a, N12b, N13, N14, N15b, N16a, N16b, and N17	At least once per week	Daytime on normal weekdays (0700-1900 hrs).
Water Quality	Dissolved Oxygen, mg/L Temperature, °C Salinity, 0/00 Turbidity, NTU Suspended Solids, mg/L pH	CE, CF, SR4, SR5, SR6, SR9, SR10, SR12, and SR15	Three times per week during mid-ebb, and mid-flood tides	Samples are collected at 3 depths (1 m below water, mid-depth, and 1 m above seabed) shall be collected.  Where the water depth is less than 6 m, in which case the mid-depth station may be omitted.  Should the water depth be less than 3 m, only the mid-depth station will be monitored

#### 3.2 Environmental quality performance limits (Action and Limit levels); and Results Summary

##### Noise Monitoring

3.2.1 A-weighted equivalent continuous sound pressure level (“ $L_{eq}$ ”) over a period of 30 minutes  $L_{eq}$  (30min) shall be used as the monitoring parameter for construction noise monitoring. Supplementary information for data auditing, statistical results such as  $L_{10}$ , and  $L_{90}$  should also be recorded for reference.

3.2.2 For impact monitoring of construction works, noise monitoring should be undertaken on weekly basis. Six consecutive  $L_{eq}$  (5min) between 07:00-19:00 hours on normal weekdays is taken in this EM&A Programme.

3.2.3 The Action and Limit Levels for noise monitoring are given as in **Table 3.2**. No examination was conducted during the reporting quarter.

**Table 3.2: Action and Limit Levels for Noise Monitoring**

Monitoring Station ID	Monitoring Location	Action Level	Limit Level
N12a	Lo Uk Tsuen	When one documented complaint is received from any one of the noise sensitive receivers	75 dB(A)
N12b	Lo Uk Tsuen		75 dB(A)
N13	Pui O San Wai Tsuen		75 dB(A)
N14	South Lantau Community Centre		75 dB(A)
N15b	Pui O Lo Wai Tsuen		75 dB(A)
N16a	Residences at Ham Tin		75 dB(A)
N16b	Residences at Ham Tin		75 dB(A)
N17	Bui O Public School		70 dB(A) / 65 dB(A) <sup>1</sup>

Note:

1. The Limit Level for N17 is 70 dB(A) for being an educational institution. The Limit Level is reduced to 65 dB(A) during school examination period.

3.2.4 No exceedance was recorded for the reporting quarter. The detailed results and graphical plot for noise monitoring is given in **Appendix 3.1**.

#### Water Quality Monitoring

##### Completion of Water Quality Monitoring

3.2.5 Subsequent to the completion of marine work on 24 May 2025, water quality monitoring was considered completed by 30 May 2025. No water quality monitoring is conducted in August to October 2025.

3.2.6 Should marine works resume, water quality monitoring will be conducted in accordance with the requirement stipulated in the EM&A Manual accordingly.

#### Ecological Impact Monitoring

3.2.7 Monitoring in the form of regular site inspections should be carried out to ensure ecological measures in the form of tree transplantation, and establishment are being implemented, and effective for plant species of conservation importance (e.g. *Aquilaria sinensis*).

3.2.8 Transplanting works for plant species, *Aquilaris sinensis*, was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.

3.2.9 Monitoring of maintenance works for the transplanted plant species was conducted at the holding nursery while in the reporting period.

3.2.10 As per latest version of PTP, four tree found (1 no. of *Aquilaria sinensis*, and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to POSPS.

3.2.11 Within this reporting period, holding nursery visit for transplanted trees on 27 August, 22 September and 20 October 2025.

3.2.12 No non-compliance was found during the site inspection while reminders on environmental measures were recommended. Results and findings of these inspections in this reporting period are listed below in **Table 3.4**.

**Table 3.4: Summary of Ecological Impact Monitoring**

Inspection Date	Reminder and Recommendations	Close-out Date / Status
27 August 2025	Nil	--
22 September 2025	Nil.	--
20 October 2025	Nil.	--

### Waste Management

3.2.13 The quantities of waste for disposal in present quarter are summarized in **Table 3.5**.

**Table 3.5: Summary of Quantities of Waste Material in the Reporting Quarter**

Waste Type	Quantity for Reporting Quarter	Cumulative Quantity-to-Day
Hard Rock and Large Broken Concrete (Inert), in '000m <sup>3</sup>	0	0
Reused in this Contract (Inert), in '000m <sup>3</sup>	0	0
Reused in other Projects (Inert), in '000m <sup>3</sup>	0	0
Disposal as Public Fill (Inert), in '000m <sup>3</sup>	0.71	30.62789
Metals (in '000kg)	30.9471	113.98617
Paper / Cardboard Packing, in '000kg	0.1704	1.37028
Plastics in '000kg	0.0071	0.11216
Chemical Waste in '000kg	0	0
General Refuse in '000kg	186.51	1083.83

Note:

The table is summary of quantities of waste material of August to October period.

## **3.3 Implementation Status of Environmental Mitigation Measures**

3.3.1 The mitigation measures recommended in the EIA Report has been implemented where applicable. The implemented mitigation measures for the reporting quarter are listed below:

- a) Implementation of noise mitigation measures in accordance with Construction Noise Mitigation Plan, including the use of quality powered mechanical equipment, use of noise barriers, and locating noisy equipment away from noise sensitive receivers as far as possible;
- b) Dust control during dust generating works, including watering of construction works site, covering the stockpile stored on site, provision of wheel-washing facilities for vehicles at the site entrance;

- c) Adopt surface drainage and sediment control facilities for sewage installation in village and public roads;
- d) Adopt temporary drainage and sediment control facilities on Site; and
- e) Proper waste handling, recycling and storage.

3.3.2 The implemented mitigation measures are considered effective.

### **3.4 Complaints, Non-Compliance, and Notification of Summons and Prosecution**

#### Environmental Complaints Received

3.4.1 On 16 September 2025, the received complaint was related to a reported oil sheen observed in the wetland area near Pui O Wetland, Lantau Island. On 25 September 2025, additional information from EPD was received that oil signs spotted in the Pui O. Subsequent investigations have been conducted.

3.4.2 An unannounced inspection conducted by ET on 17 September 2025, joint site investigation conducted by ET and the Contractor on 18 September 2025, and a joint site investigation conducted by ET, EPD, and the Contractor on 25 September 2025, and the subsequent site inspection conducted with ET, and Contractor on the same day. Preliminary findings showed that the diesel drum stored within the Project Sites were stored properly with no leakage or spillage. No oil signs within the project sites were found during the inspections conducted throughout the period of complaint investigation. Also, locations of the identified oil sheen are not within proximity of the Project Site.

3.4.3 The Final Investigation Report was submitted to EPD on 17 October 2025. Given that there is no evidence of oil leakage within our project site, it is considered that the oil pollution was not caused by our site operations. As such, the case is considered closed. The Final Investigation Report is given in **Appendix 3.2**.

3.4.4 No notification of summons and successful prosecution regarding construction works were recorded in the reporting quarter.

#### Environmental Non-Compliance

3.4.5 No environmental non-compliance was recorded in the reporting quarter.

#### Notifications of Summons and Successful Prosecutions

3.4.6 No notification of summons and successful prosecution regarding construction works were recorded in the reporting quarter.

## 4. Conclusion

### 4.1 Environmental Monitoring and Audits

4.1.1 Environmental monitoring and audits including Noise, Water Quality, Ecology, and Site audits have been conducted in the reporting quarter in accordance with the requirement stipulated in the EM&A Manua.

#### Noise Monitoring

4.1.2 Noise Monitoring has been conducted at 8 of the designated monitoring locations where construction works has been conducted nearby during the reporting period.

4.1.3 No action or limit level exceedance was recorded in construction noise level in this reporting period.

#### Water Quality Monitoring

4.1.4 Subsequent to the completion of marine work on 24 May 2025, water quality monitoring was considered completed by 30 May 2025. No water quality monitoring is conducted in this reporting period.

#### Ecological Impact Monitoring

4.1.5 Transplanting of the trees of *Aquilaris sinensis* was completed on 26 April 2022. Maintenance works for trees in holding nursery have commenced.

4.1.6 As per latest version of PTP, 4 tree found (1 no. of *Aquilaria sinensis* and 3 nos. of *Gmelina chinensis*) within the site of SSWSTW which are considered to be the plant species with conservative importance for temporarily transplanted to the nursery at Kam Tin and eventually be transplanted to Pui O Pumping Station.

4.1.7 The weekly site audit was carried out by ET include checking whether good site practices are being properly implemented by the Contractor.

4.1.8 The extent of the work site boundaries was checked by the ET during the weekly site audit.

4.1.9 No non-compliance was found during the site inspection while reminders on environmental measures were recommended.

### 4.2 Complaints, Notification of Summons and Prosecution

4.2.1 On 16 September 2025, the received complaint was related to a reported oil sheen observed in the wetland area near Pui O Wetland, Lantau Island. On 25 September 2025, additional information from EPD was received that oil signs spotted in the Pui O. Subsequent investigations have been conducted.

4.2.2 An unannounced inspection conducted by ET on 17 September 2025, joint site investigation conducted by ET and the Contractor on 18 September 2025, and a joint site investigation conducted by ET, EPD, and the Contractor on 25 September 2025, and the subsequent site inspection conducted with ET, and Contractor on the same day. Preliminary findings showed that the diesel drum stored within the Project Sites were stored properly with no leakage or spillage. No oil signs within the project sites were

found during the inspections conducted throughout the period of complaint investigation. Also, locations of the identified oil sheen are not within proximity of the Project Site.

4.2.3 The Final Investigation Report was submitted to EPD on 17 October 2025. Given that there is no evidence of oil leakage within our project site, it is considered that the oil pollution was not caused by our site operations. As such, the case is considered closed.

4.2.4 No notification of summons and successful prosecution regarding construction works were recorded in the reporting period.

### **4.3 Implementation of Environmental Mitigation Measures**

4.3.1 The mitigation measures recommended in the EIA Report has been implemented where applicable. The implemented mitigation measures are considered effective.

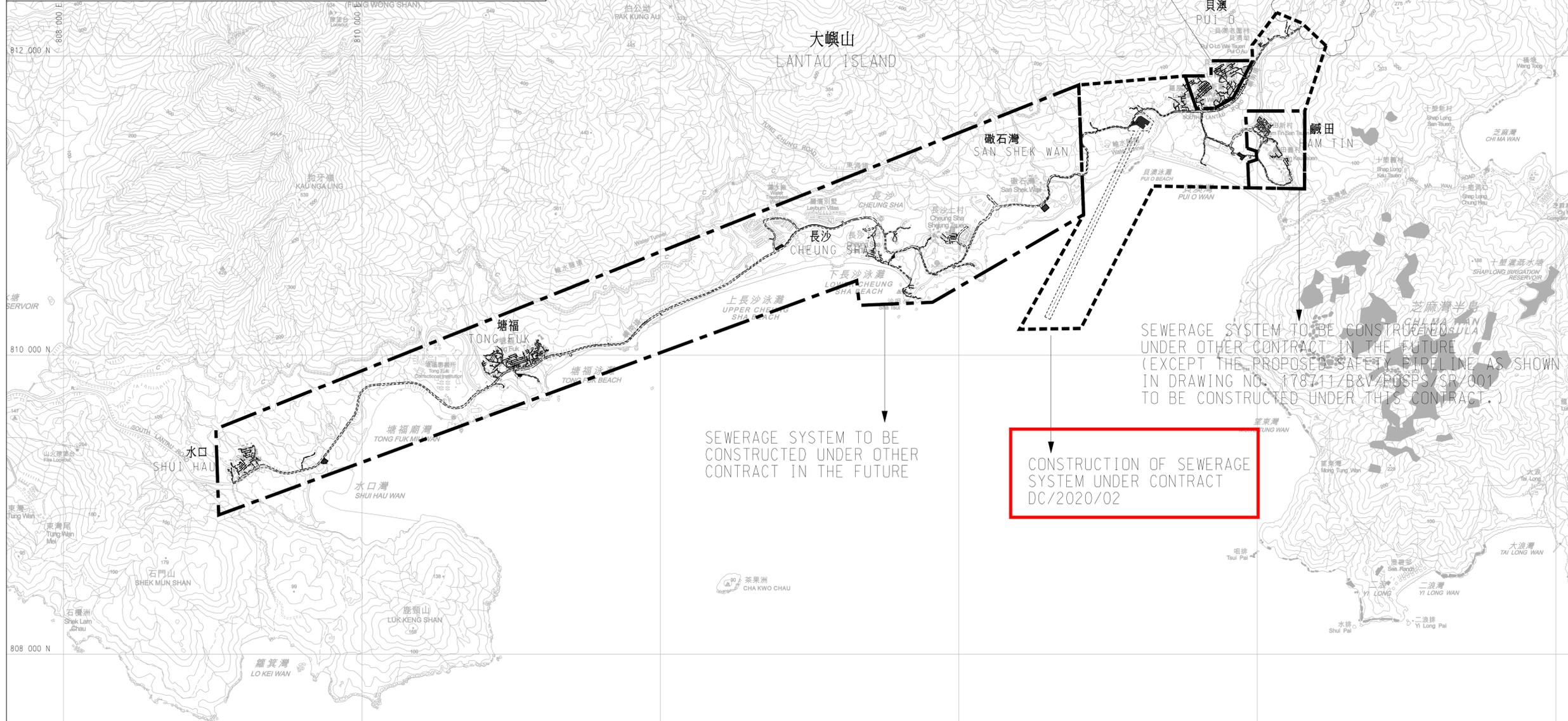
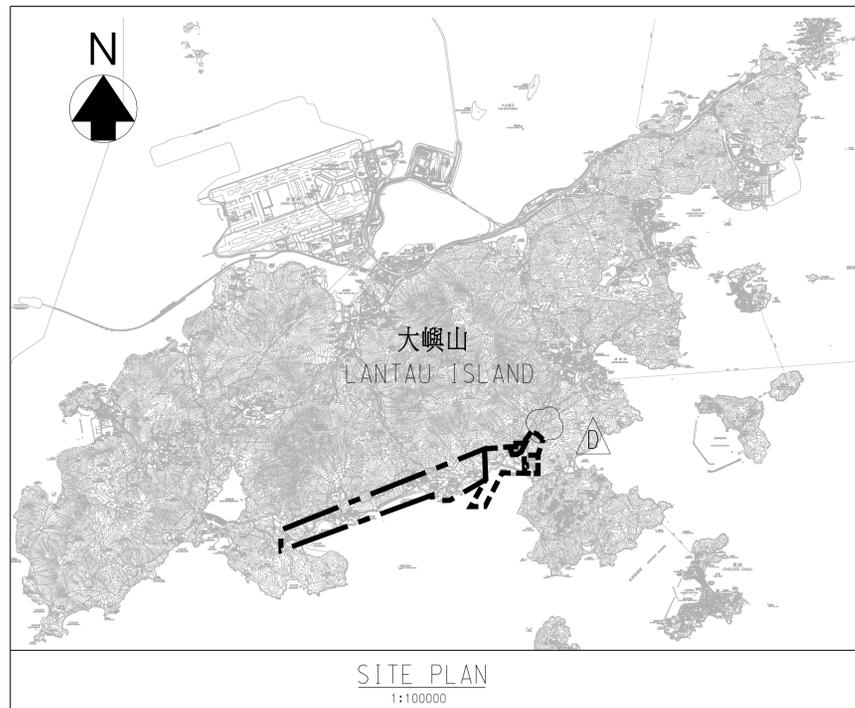


**Contract No. CM 04/2024 - Outlying Islands Sewerage  
Stage 2 – South Lantau Sewerage Works –  
Environmental Team Services (2025 - 2027)**

**UMWELT CONSULTING LIMITED**

23/F, On Hong Commercial Building, 145  
Hennessy Road, Wan Chai, Hong Kong

**Figure**



© Copyright by Black & Veatch Hong Kong Limited

Revision	Date	Description	Initial
D	11/20	TENDER ADDENDUM NO.6	BL
C	11/20	TENDER ADDENDUM NO.5	BL
B	11/20	TENDER ADDENDUM NO.4	BL
A	09/20	TENDER ADDENDUM NO.2	TFL
Initial	Designed	Checked	Drawn
	TFL	BL	SZ
Date	04/20	04/20	04/20

Approved: *Christina*

Contract no. DC/2020/02

Contract title  
CONSTRUCTION OF SAN SHEK WAN SEWAGE TREATMENT WORKS, ASSOCIATED SUBMARINE OUTFALL AND PUI O SEWAGE WORKS

Drawing title  
SOUTH LANTAU SEWAGE WORKS - MASTER LAYOUT PLAN

Drawing no.	Revision
178711/B&V/GN/001	D
Scale	1 : 15000

香港特別行政區政府渠務署  
THE GOVERNMENT OF THE HONG KONG  
SPECIAL ADMINISTRATIVE REGION  
DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED  
博威工程顧問有限公司



Plot Date - 11/25/2020

Figure 2.1 - Master Layout Plan

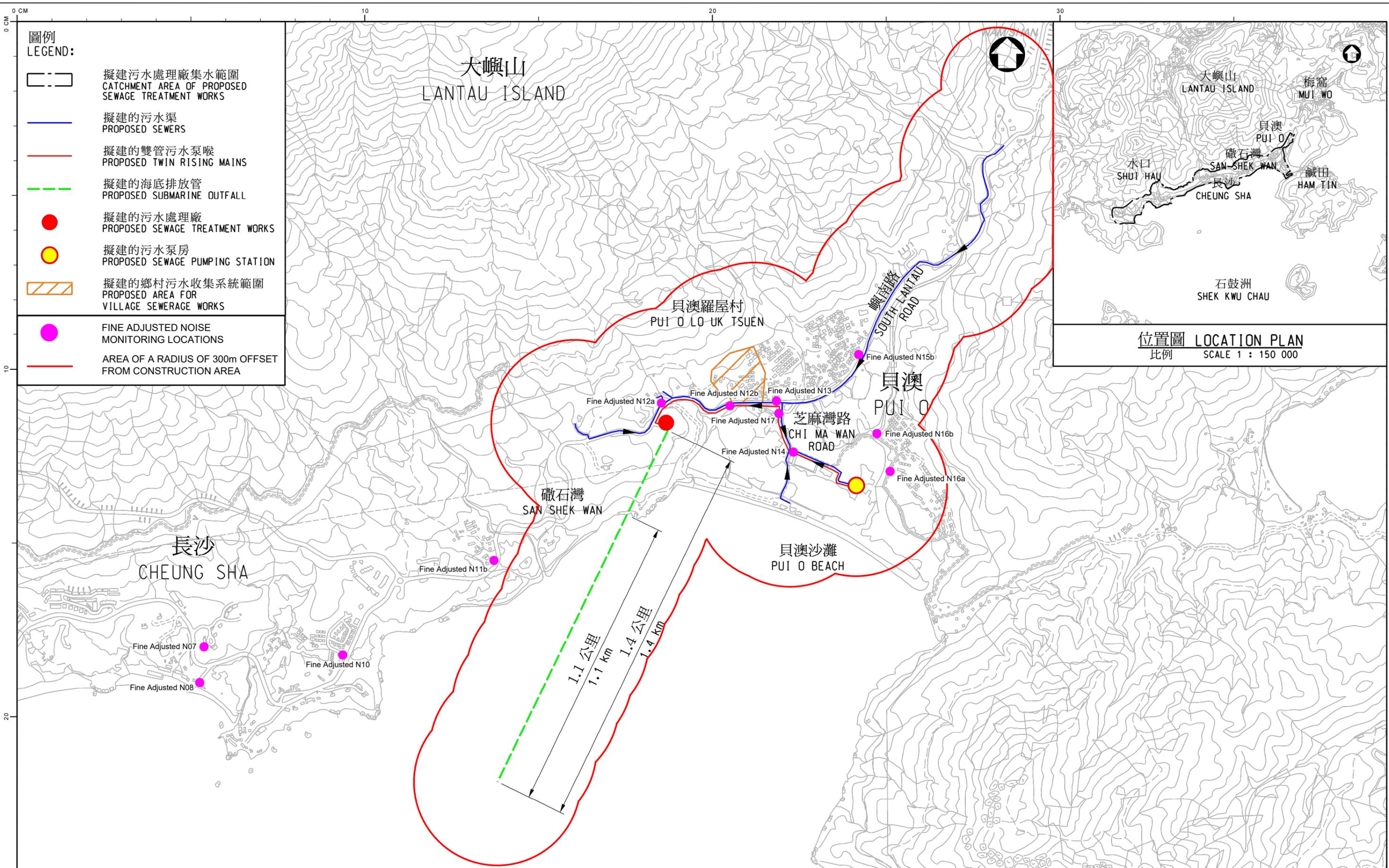
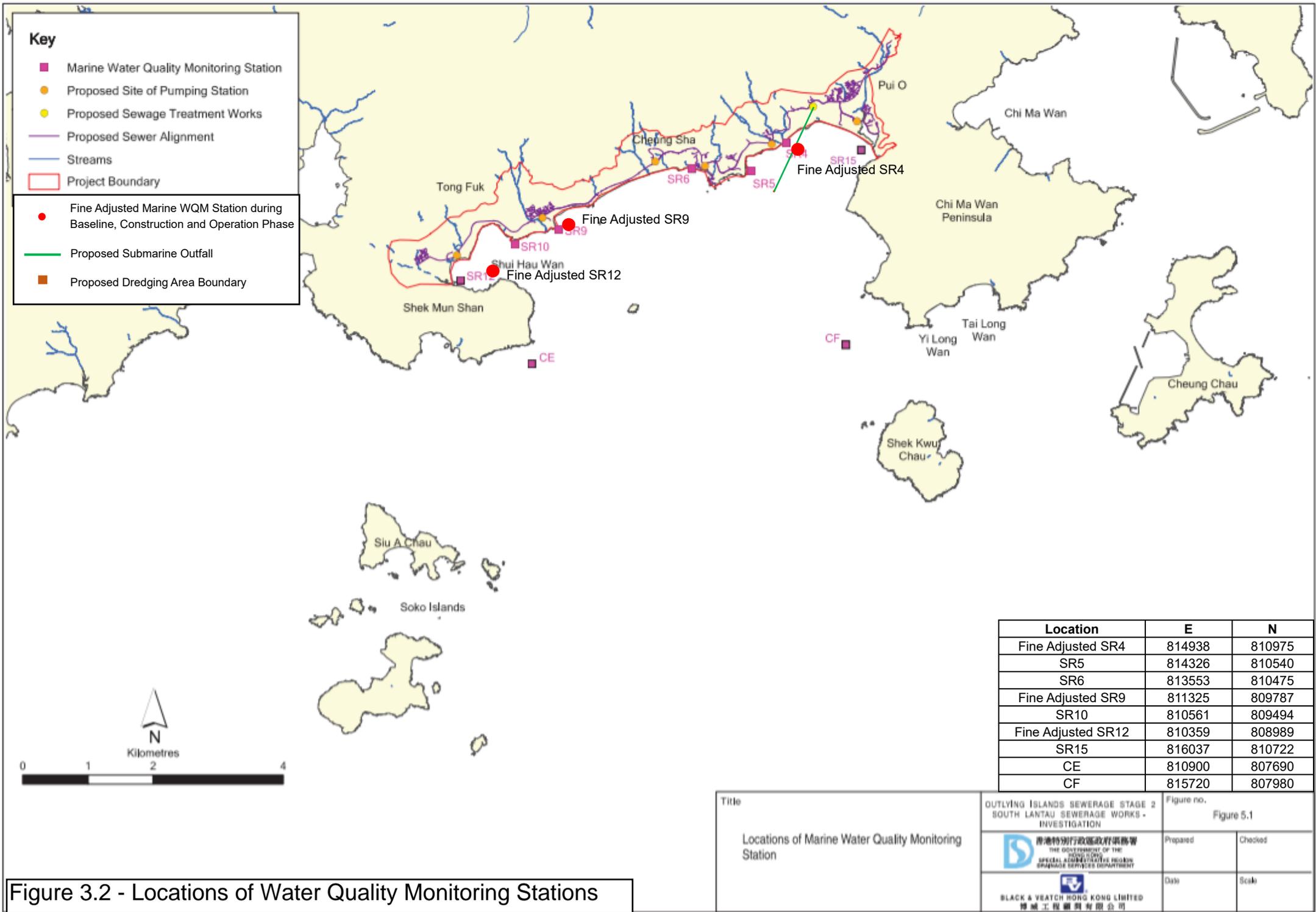


Figure 3.1 - Locations of Noise Monitoring Station



**Figure 3.2 - Locations of Water Quality Monitoring Stations**

Title  Locations of Marine Water Quality Monitoring Station	OUTLYING ISLANDS SEWERAGE STAGE 2 SOUTH LANTAU SEWERAGE WORKS - INVESTIGATION		Figure no. Figure 5.1	
			Prepared	Checked
			Date	Scale



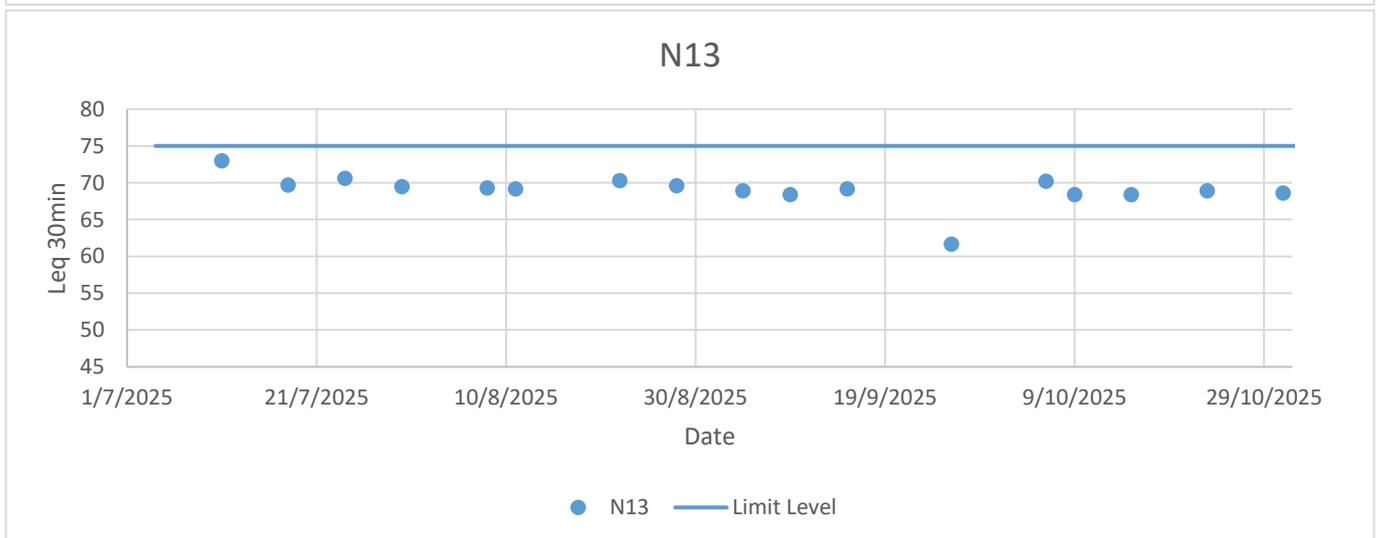
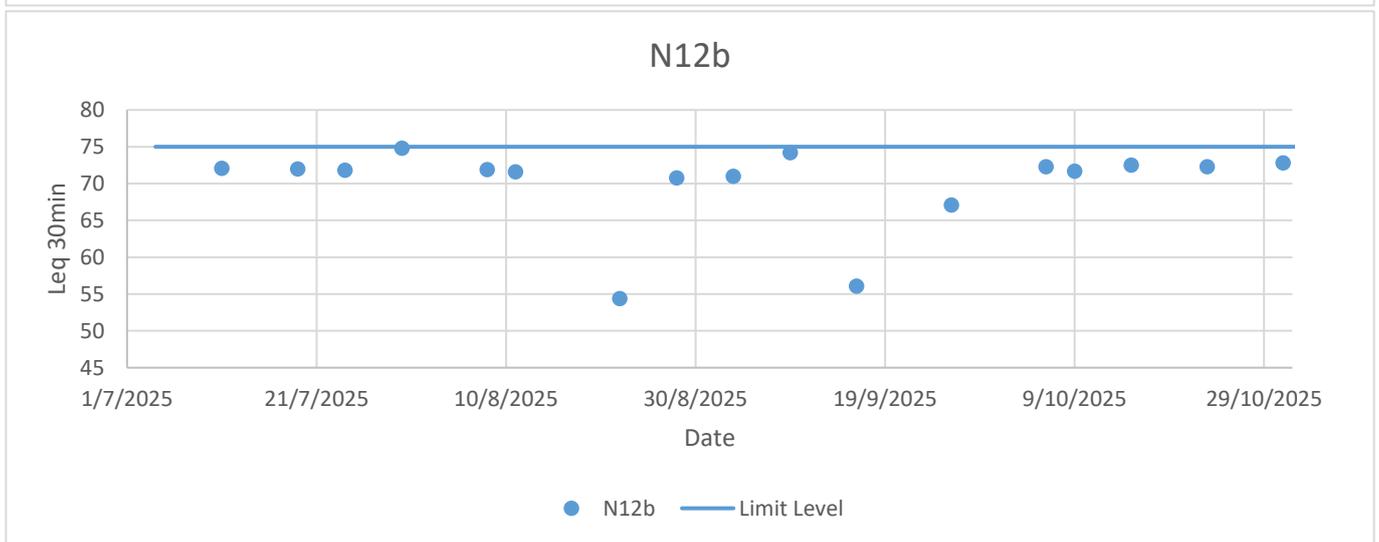
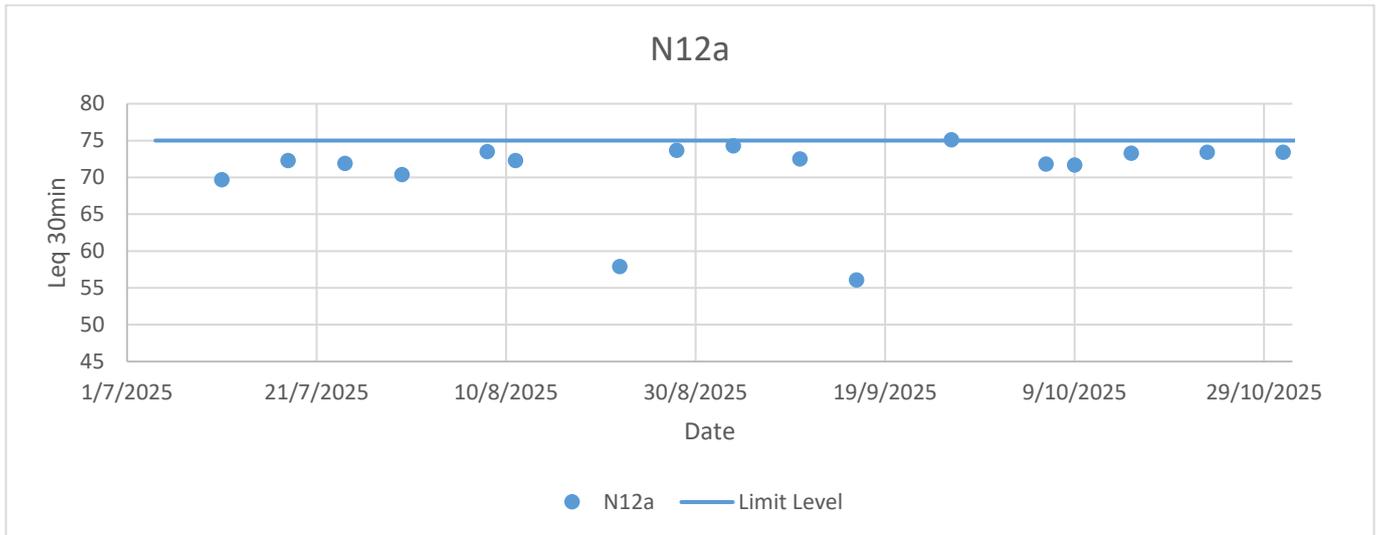
Contract No. CM 04/2024 - Outlying Islands Sewerage  
Stage 2 – South Lantau Sewerage Works –  
Environmental Team Services (2025 - 2027)

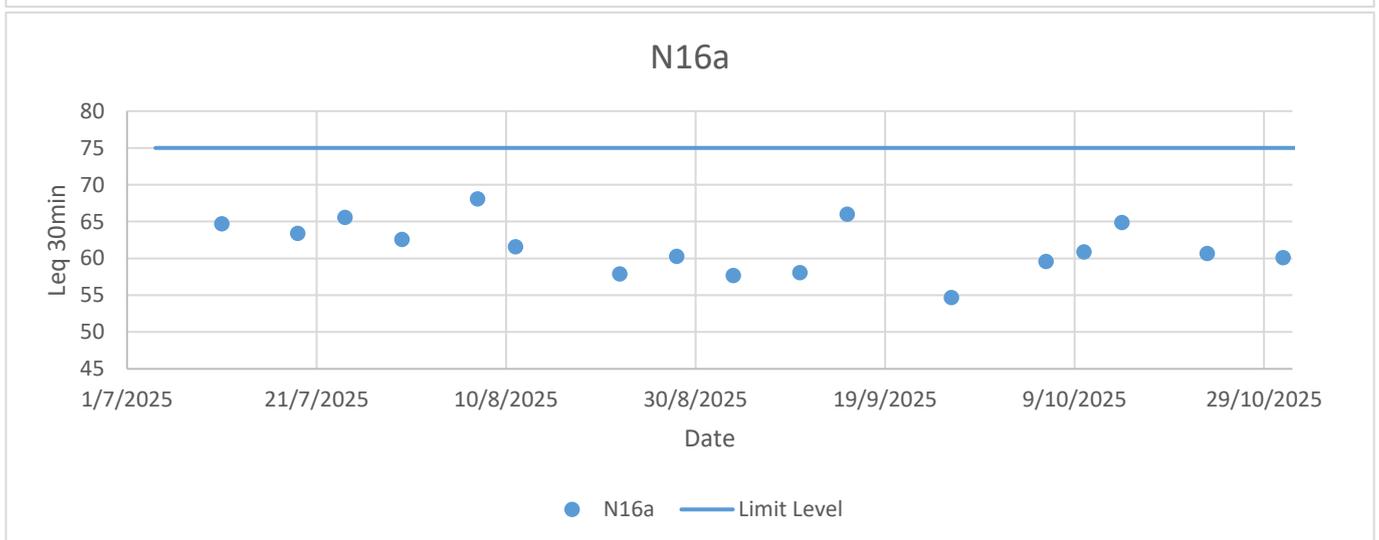
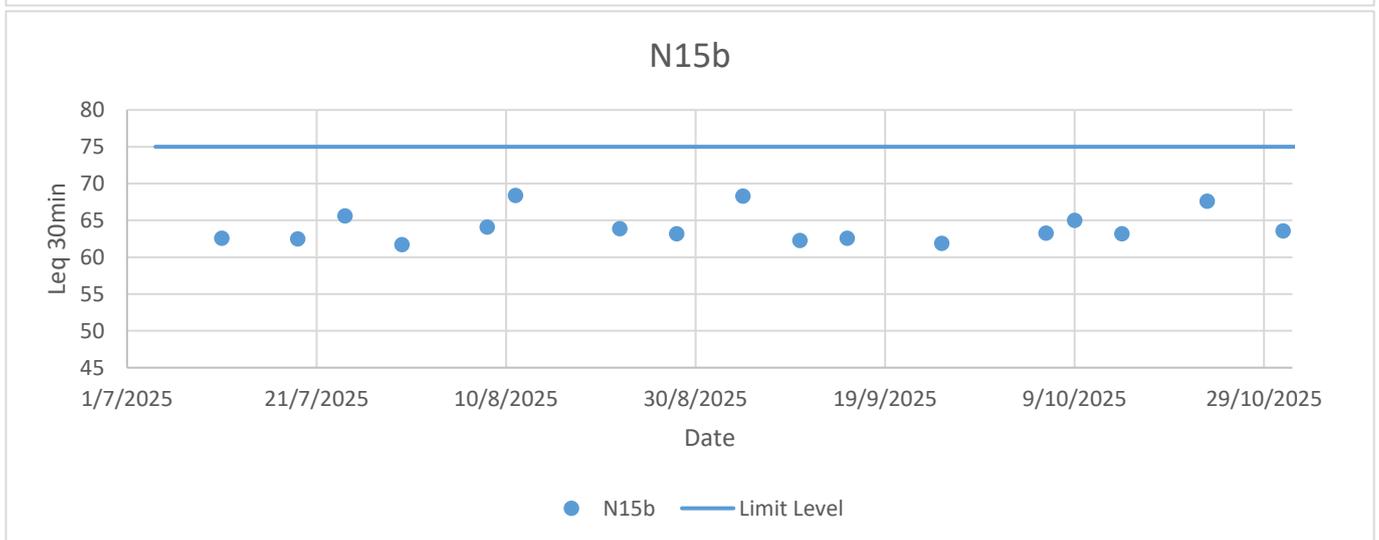
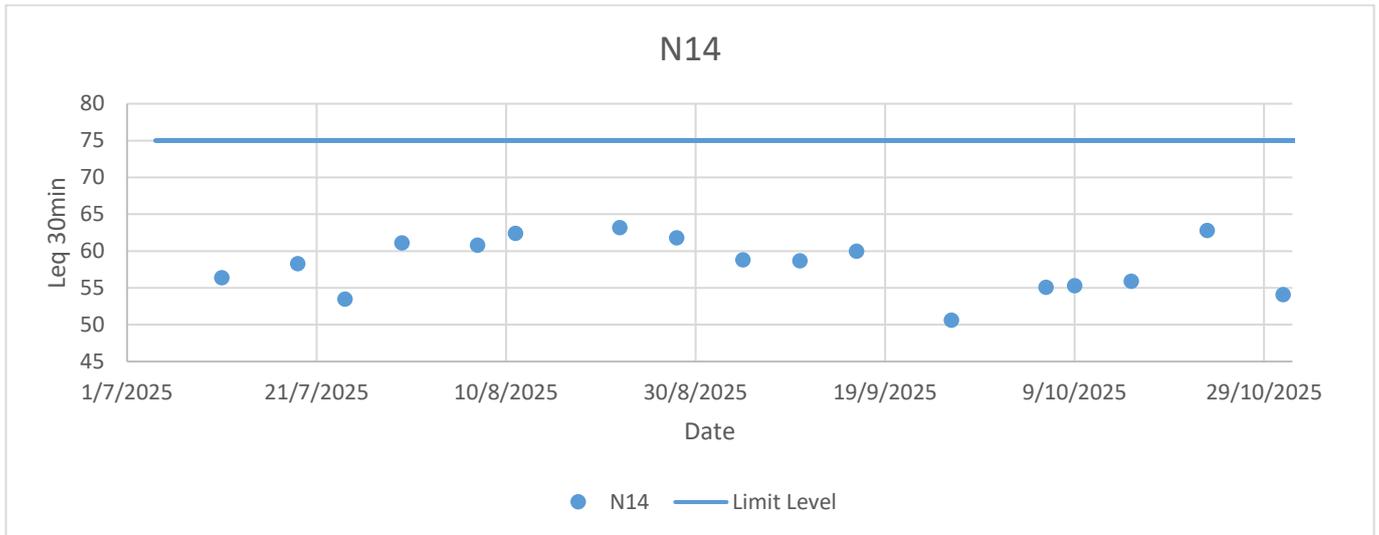
UMWELT CONSULTING LIMITED

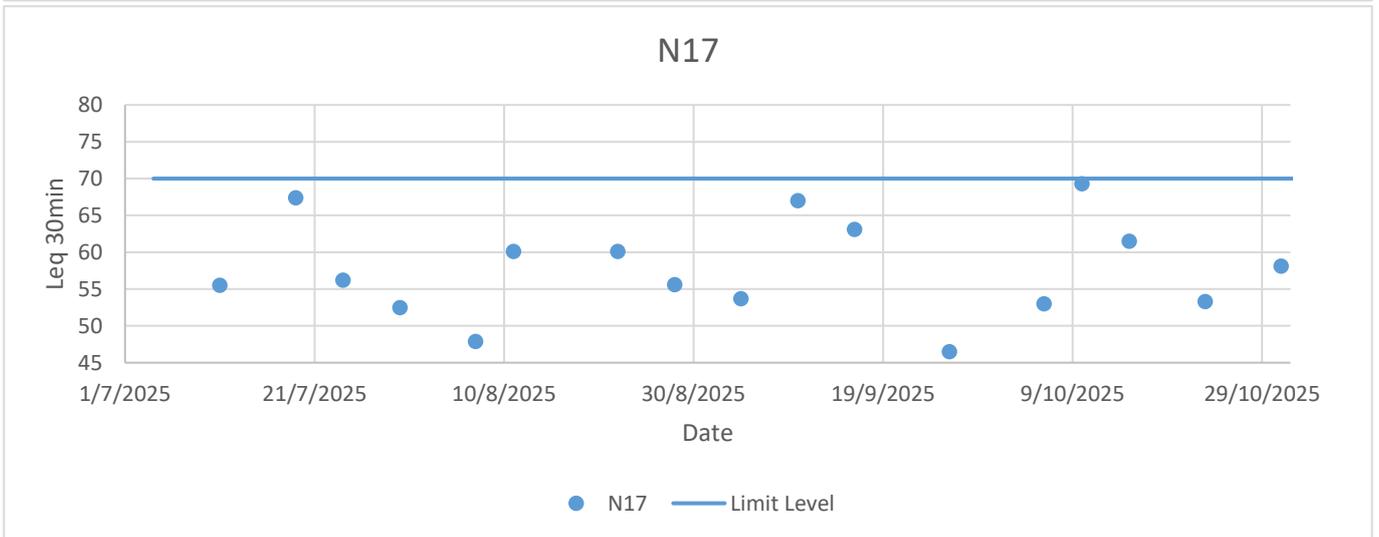
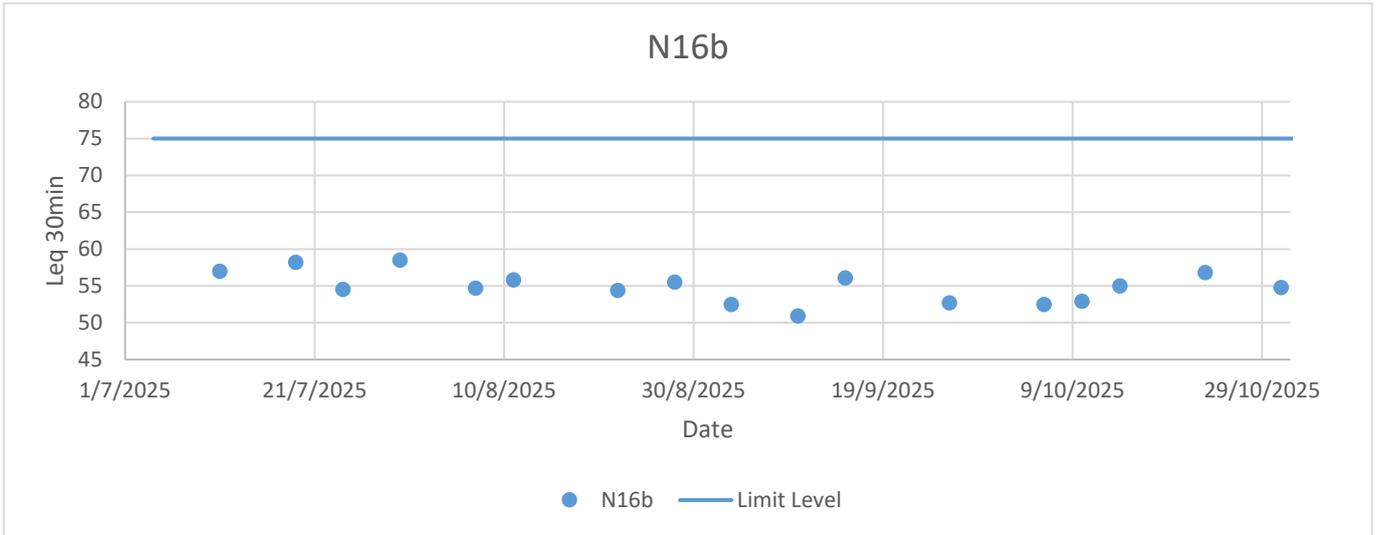
23/F, On Hong Commercial Building, 145  
Hennessy Road, Wan Chai, Hong Kong

## Appendix 3.1

# Noise Monitoring Graphical Presentations









Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N12a Location Name: Lo Uk Tsuen Level: G/F Type of Measurement: Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	16:18	16:48	67.2	70.1	47.2	66.7	3.0	69.7	73.3	<Baseline Level	75.0	Human activity, traffic	Not observed
					64.6	69.3	48.3								
					67.0	71.1	48.1								
					66.0	71.0	46.6								
					67.0	70.8	46.6								
					67.7	67.1	45.0								
18/7/2025	Cloudy	Calm	10:47	11:17	69.6	72.2	62.1	69.3	3.0	72.3	73.3	<Baseline Level	75.0	Human activity, Traffic	Construction noise from our project (Traffic road)
					70.2	70.6	61.9								
					68.2	71.2	61.9								
					67.3	70.6	62.3								
					71.1	73.6	63.1								
					68.3	70.7	63.3								
24/7/2025	Cloudy	Calm	16:06	16:36	71.2	72.3	61.8	68.9	3.0	71.9	73.3	<Baseline Level	75.0	Human activity, Traffic	Not observed
					68.2	70.0	62.0								
					67.9	70.2	63.4								
					69.6	72.3	63.2								
					68.6	70.6	61.8								
					66.7	70.5	59.4								
30/7/2025	Cloudy	Calm	10:28	10:58	69.6	72.2	60.5	67.4	3.0	70.4	73.3	<Baseline Level	75.0	Human activity, Traffic	Not observed
					68.5	71.1	59.1								
					65.1	68.8	59.0								
					67.0	68.8	58.9								
					65.6	69.5	58.9								
					67.0	70.7	58.8								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N12a      Lo Uk Tsuen      G/F      Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
8/8/2025	Sunny	Calm	15:24	15:54	68.0	70.2	64.0	70.5	3.0	73.5	73.3	60	75.0	Human Activity, Traffic	Not Observed
					69.3	72.2	63.9								
					70.4	71.4	63.5								
					71.5	73.4	63.7								
					72.7	70.3	62.3								
					69.2	72.0	62.0								
11/8/2025	Sunny	Calm	16:21	16:51	70.9	73.4	65.5	69.3	3.0	72.3	73.3	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					69.3	72.0	64.1								
					72.1	76.1	60.0								
					66.1	72.1	49.5								
					65.9	69.9	49.8								
					67.8	71.9	53.5								
22/8/2025	Sunny	Calm	14:59	15:29	74.8	75.2	54.4	54.9	3.0	57.9	73.3	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					67.6	72.1	61.2								
					66.9	70.5	58.1								
					67.9	70.8	57.7								
					73.2	74.3	53.8								
					67.9	70.0	55.0								
28/8/2025	Cloudy	Calm	11:33	12:03	70.3	73.3	53.1	70.7	3.0	73.7	73.3	63.1	75.0	Human activity, Traffic	Not Observed
					71.6	74.5	52.1								
					70.7	71.3	51.9								
					68.3	72.2	51.7								
					66.4	70.5	53.4								
					73.4	75.7	56.0								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N12a Location Name: Lo Uk Tsuen Level: G/F Type of Measurement: Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
3/9/2025	Sunny	Calm	09:16	09:46	70.4	73.4	57.9	71	3	74	73	67	75	traffic, dog, human activity	Construction noise from other project
					71.1	73.5	57.1								
					67.2	71.4	57.1								
					66.2	69.9	57.1								
					73.9	74.5	57.7								
					73.6	74.7	58.3								
10/9/2025	Sunny	Calm	13:38	14:08	66.8	71.5	52.2	70	3	73	73	<Baseline Level	75	traffic, dog, human activity	Crane
					68.8	72.6	52.2								
					71.0	73.6	52.2								
					71.4	73.9	54.9								
					68.6	73.1	57.2								
					68.4	72.3	57.2								
16/9/2025	Sunny	Calm	10:13	10:43	72.2	75.6	60.7	53	3	56	73	<Baseline Level	75	traffic, dog, human activity	Road works, use of excavator
					69.3	72.5	60.4								
					70.3	72.4	60.1								
					71.6	72.3	60.0								
					70.4	72.3	60.6								
					69.2	71.8	57.5								
26/9/2025	Cloudy	Small	10:41	11:11	69.5	73.3	60.4	72	3	75	73	70	75	traffic, dog, human activity	Drilling works
					71.6	74.0	60.2								
					75.8	75.9	60.4								
					71.6	74.8	60.0								
					70.0	73.7	59.4								
					70.3	72.5	60.6								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N12a	Lo Uk Tsuen	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Sunny	Calm	16:35	17:05	66.1	71.3	51.9	68.8	3.0	71.8	73.3	<Baseline Level	75.0	Traffic	Not observed
					70.7	71.7	52.0								
					68.7	73.6	52.5								
					66.3	71.8	51.8								
					69.9	73.3	53.5								
					69.2	73.6	51.7								
9/10/2025	Sunny	Calm	10:08	10:38	67.8	72.2	58.7	68.7	3.0	71.7	73.3	<Baseline Level	75.0	Traffic	drilling
					67.6	70.4	58.8								
					70.0	71.9	58.4								
					69.7	73.2	58.6								
					68.0	70.1	58.1								
					68.5	71.0	58.2								
15/10/2025	Sunny	Calm	10:24	10:54	68.4	71.1	59.4	70.3	3.0	73.3	73.3	<Baseline Level	75.0	Traffic	sawing
					69.6	70.4	58.9								
					70.1	72.2	58.6								
					70.9	74.2	59.1								
					69.0	71.2	59.1								
					72.6	72.8	59.2								
23/10/2025	Cloudy	Strong	10:19	10:49	72.6	72.1	62.0	70.4	3.0	73.4	73.3	57	75.0	Birds, traffic, human activity dog bark	Not observed
					67.8	71.0	62.8								
					71.4	74.4	61.2								
					69.7	73.0	61.0								
					70.6	72.7	60.2								
					68.0	70.1	60.5								
31/10/2025	Sunny	Calm	10:26	10:56	71.7	74.7	60.7	70.4	3.0	73.4	73.3	57	75.0	Traffic, human activity	Not observed
					74.1	74.2	58.4								
					68.5	70.4	59.8								
					66.3	70.2	60.0								
					68.6	71.1	49.4								
					68.7	72.4	51.0								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N12b	Lo Uk Tsuen	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	15:43	16:13	68.8	72.4	51.5	69.1	3.0	72.1	76.8	<Baseline Level	75.0	Human activity, traffic, bird, Helicopter	Not observed
					69.6	70.1	55.2								
					70.7	73.5	52.9								
					66.4	71.2	51.7								
					69.3	73.0	52.8								
					69.0	71.1	54.0								
19/7/2025	Cloudy	Calm	16:03	16:33	69.0	72.6	53.0	69.0	3.0	72.0	76.8	<Baseline Level	75.0	Human activity, Traffic	Not observed
					71.0	74.0	54.0								
					64.8	65.9	54.1								
					67.6	73.0	55.5								
					70.4	73.9	55.3								
					68.6	71.1	54.9								
24/7/2025	Cloudy	Calm	15:31	16:01	67.9	71.3	58.1	68.8	3.0	71.8	76.8	<Baseline Level	75.0	Human activity, Traffic, Helicopter	Not observed
					69.4	72.9	57.9								
					69.9	74.0	58.3								
					68.5	72.3	57.8								
					68.8	72.3	58.7								
					67.6	71.6	58.9								
30/7/2025	Sunny	Calm	11:03	11:33	68.3	72.0	49.3	71.8	3.0	74.8	76.8	<Baseline Level	75.0	Human activity, Traffic, Garbage truck operation	Not observed
					68.3	73.0	48.0								
					66.5	68.7	46.1								
					72.9	75.2	49.5								
					75.3	76.6	73.5								
					73.1	75.4	49.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N12b    Location Name: Lo Uk Tsuen    Level: G/F    Type of Measurement: Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
8/8/2025	Sunny	Calm	14:48	15:18	65.9	69.4	57.4	68.9	3.0	71.9	76.8	<Baseline Level	75.0	Human Activity, Traffic	Not Observed
					68.3	72.9	56.1								
					72.0	76.0	59.1								
					67.4	72.0	59.7								
					70.2	72.9	59.9								
					65.8	67.6	60.0								
11/8/2025	Sunny	Calm	15:44	16:14	68.5	73.5	56.9	68.6	3.0	71.6	76.8	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					66.6	69.7	58.6								
					68.4	70.3	57.6								
					69.1	71.6	55.9								
					69.8	72.7	54.8								
					68.3	73.3	55.2								
22/8/2025	Sunny	Calm	14:27	14:57	71.0	74.5	58.2	51.4	3.0	54.4	76.8	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					69.3	73.7	59.1								
					72.4	75.0	58.5								
					66.9	70.6	57.4								
					68.1	72.8	58.2								
					69.9	72.2	60.0								
28/8/2025	Cloudy	Calm	10:58	11:28	62.9	66.0	54.6	67.8	3.0	70.8	76.8	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					64.1	67.4	56.0								
					67.5	71.5	52.9								
					68.2	72.3	52.4								
					70.8	72.9	53.8								
					68.9	72.3	62.6								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N12b	Lo Uk Tsuen	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
3/9/2025	Sunny	Calm	09:52	10:22	68.1	71.2	55.1	68	3	71	77	<Baseline Level	75	traffic, bird, human activity	Not Observed
					65.2	68.4	55.2								
					70.7	72.9	54.9								
					67.3	70.9	54.4								
					66.0	70.5	54.8								
					68.6	72.1	55.0								
9/9/2025	Sunny	Calm	15:06	15:36	72.3	75.1	65.3	71	3	74	77	<Baseline Level	75	traffic, bird, human activity	Not Observed
					69.2	72.4	64.7								
					72.6	76.0	65.0								
					71.9	76.2	65.4								
					69.0	71.4	64.6								
					70.7	73.4	64.5								
16/9/2025	Sunny	Calm	10:48	11:18	67.8	69.7	56.0	53	3	56	77	<Baseline Level	75	traffic, bird, human activity	Not Observed
					70.9	72.6	55.7								
					67.7	70.8	55.8								
					67.1	71.6	56.0								
					70.0	73.6	55.6								
					70.8	74.1	60.0								
26/9/2025	Sunny	Small	11:37	12:07	65.6	67.3	56.7	64	3	67	77	<Baseline Level	75	traffic, bird, human activity	Not Observed
					64.2	65.4	55.4								
					63.9	66.4	55.9								
					64.5	66.5	49.8								
					63.4	64.8	48.8								
					62.7	65.1	47.3								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N12b	Lo Uk Tsuen	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Fine	Calm	15:51	16:21	71.1	73.9	55.0	69.3	3.0	72.3	76.8	<Baseline Level	75.0	Traffic , human activities	Not observed
					68.9	73.6	55.1								
					66.9	71.0	52.8								
					69.3	73.0	52.7								
					69.2	72.9	47.3								
					69.3	73.2	47.2								
9/10/2025	Sunny	Calm	10:43	11:13	68.2	71.4	53.6	68.7	3.0	71.7	76.8	<Baseline Level	75.0	Traffic , human activities	Not observed
					68.7	71.5	53.4								
					68.1	72.0	56.5								
					67.5	70.8	56.6								
					70.4	74.8	57.4								
					68.6	70.8	56.4								
15/10/2025	Sunny	Calm	10:59	11:29	67.6	71.4	53.4	69.5	3.0	72.5	76.8	<Baseline Level	75.0	Traffic , human activities	Not observed
					70.0	73.6	54.6								
					68.1	70.0	54.6								
					66.5	67.7	58.1								
					71.5	72.7	62.8								
					71.0	74.2	56.8								
23/10/2025	Cloudy	Strong	10:57	11:27	68.9	73.1	54.5	69.3	3.0	72.3	76.8	<Baseline Level	75.0	Birds, traffic, human activity	Not observed
					68.8	72.1	51.7								
					68.9	73.6	50.3								
					69.5	71.0	51.2								
					71.0	74.0	54.6								
					68.3	72.2	56.2								
31/10/2025	Sunny	Calm	10:59	11:29	69.2	73.1	54.0	69.8	3.0	72.8	76.8	<Baseline Level	75.0	Traffic, human activity, dog bark	Not observed
					65.4	69.3	53.1								
					66.2	70.1	53.4								
					69.2	72.9	52.7								
					71.9	72.5	46.8								
					72.3	73.9	70.0								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N13      Pui O San Wai Tsuen      G/F      Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	15:10	15:40	65.3	69.4	50.2	70.0	3.0	73.0	73.6	<Baseline Level	75.0	Human activity, traffic, dog bark	Observed from our project (Car parking near school)
					67.0	67.4	51.4								
					67.1	71.3	53.7								
					75.3	79.0	56.7								
					64.7	68.2	51.8								
					69.6	70.2	53.0								
18/7/2025	Cloudy	Calm	11:25	11:55	68.7	71.1	57.3	66.7	3.0	69.7	73.6	<Baseline Level	75.0	Human activity, Traffic	Construction noise from our project (Work site near school)
					66.6	70.7	57.9								
					66.7	70.9	54.9								
					66.5	70.5	53.1								
					64.5	69.0	51.9								
					66.3	70.5	54.7								
24/7/2025	Cloudy	Calm	14:55	15:25	66.2	70.0	54.4	67.6	3.0	70.6	73.6	<Baseline Level	75.0	Human activity, Traffic, Bird	Not observed
					64.7	69.7	54.5								
					63.6	66.9	55.1								
					70.7	70.8	55.4								
					68.3	71.8	61.3								
					68.3	69.7	56.7								
30/7/2025	Sunny	Calm	11:38	12:08	65.2	69.9	51.9	66.5	3.0	69.5	73.6	<Baseline Level	75.0	Human activity, Traffic, Dog bark	Not observed
					63.0	67.9	52.6								
					62.1	66.1	52.5								
					63.9	66.1	52.9								
					71.0	71.0	53.0								
					66.7	70.0	55.1								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N13 Location Name: Pui O San Wai Tsuen Level: G/F Type of Measurement: Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
8/8/2025	Sunny	Calm	14:10	14:40	66.0	69.3	61.3	66.3	3.0	69.3	73.6	<Baseline Level	75.0	Human activity, traffic	Observed from our project (Car parking near school)
					64.9	68.2	60.5								
					66.1	69.0	60.7								
					64.7	68.0	59.8								
					65.6	69.2	60.5								
					68.8	71.2	61.8								
11/8/2025	Sunny	Calm	15:11	15:41	65.5	67.5	60.8	66.2	3.0	69.2	73.6	<Baseline Level	75.0	Human activity, Traffic	Not observed
					65.3	68.3	60.8								
					66.9	69.9	61.2								
					66.7	69.6	61.5								
					66.5	69.3	61.2								
					65.8	69.3	60.8								
22/8/2025	Sunny	Calm	13:54	14:24	66.0	69.1	62.4	67.3	3.0	70.3	73.6	<Baseline Level	75.0	Human activity, Traffic, Helicopter	Engine sound from the work site in front of public toilet
					68.0	72.0	62.7								
					65.4	68.6	62.0								
					68.0	71.0	63.1								
					67.6	70.9	63.2								
					68.3	72.1	63.3								
28/8/2025	Cloudy	Calm	12:08	12:38	65.5	69.1	55.0	66.6	3.0	69.6	73.6	<Baseline Level	75.0	Human activity, Traffic	Not observed
					62.8	67.3	54.8								
					64.3	69.1	55.1								
					63.8	68.0	55.5								
					71.6	71.1	54.5								
					63.8	66.5	54.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N13 Location Name: Pui O San Wai Tsuen Level: G/F Type of Measurement: Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
4/9/2025	Sunny	Calm	13:27	13:57	67.6	70.9	60.3	66	3	69	74	<Baseline Level	75	Human activity, traffic	Our project (Car parking near school)
					67.2	70.8	58.6								
					65.0	68.5	54.7								
					61.1	64.4	54.1								
					64.5	67.6	56.0								
					67.2	70.9	58.5								
9/9/2025	Sunny	Calm	15:39	16:09	64.8	69.2	54.9	65	3	68	74	<Baseline Level	75	Human activity, traffic, birds	Not Observed
					66.6	70.5	54.2								
					66.9	70.7	55.0								
					62.7	65.8	53.1								
					63.4	68.2	54.5								
					66.4	71.4	54.1								
15/9/2025	Sunny	Calm	11:39	12:09	66.3	69.9	56.9	66	3	69	74	<Baseline Level	75	traffic, bird, human activity, school activities	Not Observed
					66.8	69.3	55.9								
					65.7	69.5	53.8								
					65.4	68.4	53.9								
					67.4	70.2	53.3								
					65.0	69.7	53.9								
26/9/2025	Sunny	Calm	15:25	15:55	58.8	59.9	47.7	59	3	62	74	<Baseline Level	75	traffic, bird, human activity, school activities	Not Observed
					57.2	61.0	49.5								
					59.0	62.2	48.8								
					60.0	62.6	49.6								
					58.4	62.1	48.7								
					58.5	62.5	47.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N13	Pui O San Wai Tsuen	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Fine	Calm	15:18	15:48	70.8	72.5	58.6	67.2	3.0	70.2	73.6	<Baseline Level	75.0	Traffic, human activities, bird	Not observed
					66.9	70.3	55.6								
					63.4	67.2	51.9								
					66.6	70.8	53.0								
					67.4	72.1	50.9								
					63.4	67.4	49.8								
9/10/2025	Sunny	Calm	11:15	11:45	66.0	71.1	53.1	65.4	3.0	68.4	73.6	<Baseline Level	75.0	Traffic, human activities, bird	Not observed
					62.7	65.4	52.8								
					64.3	68.0	52.8								
					66.8	69.9	53.4								
					64.9	68.9	55.1								
					66.6	69.2	53.7								
15/10/2025	Sunny	Calm	12:45	13:15	65.4	70.7	53.3	65.4	3.0	68.4	73.6	<Baseline Level	75.0	Traffic, human activities, bird	Not observed
					62.9	66.7	53.3								
					65.7	70.5	53.0								
					65.5	69.6	53.6								
					64.4	69.5	50.9								
					67.4	71.5	54.8								
23/10/2025	Cloudy	Calm	13:31	14:01	67.6	70.2	50.1	65.9	3.0	68.9	73.6	<Baseline Level	75.0	Birds, human activities, traffic, school bell	Not observed
					63.9	67.7	53.9								
					67.2	71.1	54.7								
					63.5	68.9	52.4								
					67.3	71.2	55.8								
					63.6	66.8	56.8								
31/10/2025	Sunny	Calm	11:32	12:02	66.7	69.5	50.4	65.6	3.0	68.6	73.6	<Baseline Level	75.0	Birds, traffic, human activity	Not observed
					65.0	69.4	49.7								
					67.9	71.8	48.9								
					65.9	68.8	48.6								
					63.3	67.3	48.2								
					62.7	65.8	48.6								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N14	South Lantau Community Centre	G/F	Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	13:55	14:25	58.1	58.9	51.8	56.4	--	56.4	62.2	<Baseline Level	75.0	Human activity, traffic	Not observed
					57.0	60.4	48.8								
					56.2	56.0	45.3								
					56.0	59.9	47.6								
					54.3	57.6	44.5								
					56.2	58.9	44.6								
19/7/2025	Cloudy	Calm	14:19	14:49	57.1	60.2	48.8	58.3	--	58.3	62.2	<Baseline Level	75.0	Human activity, Traffic	Not observed
					53.8	55.3	44.0								
					59.2	63.0	44.9								
					58.4	62.1	48.5								
					59.9	63.4	48.3								
					58.8	63.8	46.3								
24/7/2025	Sunny	Calm	13:34	14:04	53.2	55.8	41.9	53.5	--	53.5	62.2	<Baseline Level	75.0	Human activity, Traffic	Not observed
					50.8	53.6	43.6								
					57.1	59.9	42.2								
					53.0	55.4	42.6								
					50.7	52.3	44.1								
					52.8	56.8	43.1								
30/7/2025	Cloudy	Calm	14:43	15:13	56.3	59.8	47.2	61.1	--	61.1	62.2	<Baseline Level	75.0	Human activity, Traffic, Lifting operations	Not observed
					58.6	62.5	46.2								
					64.1	64.2	46.4								
					55.7	60.8	46.6								
					64.1	64.3	48.6								
					60.2	62.3	55.8								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N14      South Lantau Community Centre      G/F      Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
7/8/2025	Sunny	Calm	16:44	17:14	60.4	62.8	57.4	60.8	--	60.8	62.2	<Baseline Level	75.0	Traffic, Human activities	Air conditioning from Site Booth
					59.0	59.7	57.3								
					59.6	56.0	57.4								
					63.3	64.3	57.4								
					59.3	60.5	57.2								
					61.6	62.7	57.2								
11/8/2025	Sunny	Calm	13:58	14:28	62.1	62.4	61.2	62.4	--	62.4	62.2	48.9	75.0	Human activity, Traffic	Not observed
					61.5	61.9	61.2								
					61.6	62.2	61.0								
					62.0	63.7	60.9								
					64.0	65.9	60.9								
					62.5	62.8	61.8								
22/8/2025	Sunny	Calm	10:53	11:23	61.9	63.1	60.8	63.2	--	63.2	62.2	56.3	75.0	Human activity, Traffic	Not observed
					63.6	63.5	60.6								
					61.7	62.8	60.7								
					63.3	62.3	61.0								
					62.3	63.2	61.0								
					65.4	62.3	57.1								
28/8/2025	Cloudy	Calm	15:06	15:36	61.4	61.6	60.9	61.8	--	61.8	62.2	<Baseline Level	75.0	Human activity, Traffic	Not observed
					61.6	62.2	61.0								
					61.6	61.6	61.0								
					61.3	61.6	61.0								
					63.0	62.5	61.1								
					61.6	62.2	61.1								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N14	South Lantau Community Centre	G/F	Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
4/9/2025	Sunny	Calm	12:07	12:37	60.6	62.9	56.0	59	--	59	62	<Baseline Level	75	Traffic, Human activities	Air conditioning from Site Booth
					59.3	59.3	56.1								
					58.3	56.0	56.1								
					58.7	61.0	56.3								
					57.3	58.2	56.5								
					58.1	58.5	56.4								
10/9/2025	Sunny	Calm	10:55	11:25	58.6	61.3	55.6	59	--	59	62	<Baseline Level	75	Traffic, Human activities	Not Observed
					60.1	63.2	55.8								
					59.5	62.6	56.0								
					57.8	59.8	56.0								
					56.3	56.8	55.7								
					58.9	61.7	55.9								
16/9/2025	Sunny	Calm	12:00	12:30	59.7	61.7	56.6	60	--	60	62	<Baseline Level	75	Traffic, Human activities	Not Observed
					62.8	62.6	56.1								
					57.3	58.4	56.1								
					57.4	59.4	56.2								
					60.2	62.7	56.3								
					60.0	62.0	56.4								
26/9/2025	Sunny	Calm	14:51	15:21	50.2	51.0	38.1	51	--	51	62	<Baseline Level	75	Traffic, Human activities	Not Observed
					47.4	48.5	36.4								
					51.4	53.8	37.6								
					48.3	52.4	38.5								
					53.4	53.0	38.0								
					50.3	52.7	42.5								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N14	South Lantau Community Centre	G/F	Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Sunny	Light	11:39	12:09	52.4	54.5	42.2	55.1	--	55.1	62.2	<Baseline Level	75.0	Traffic, human activities	Not observed
					58.5	57.4	43.4								
					49.8	56.0	37.4								
					49.2	47.8	38.8								
					57.7	53.8	39.7								
					54.9	55.4	40.5								
9/10/2025	Sunny	Calm	12:30	13:00	58.1	56.4	42.8	55.3	--	55.3	62.2	<Baseline Level	75.0	Traffic, human activities	Not observed
					49.5	52.8	41.9								
					47.6	50.6	39.8								
					58.7	60.6	45.4								
					55.3	58.8	46.3								
52.0	56.0	43.2													
15/10/2025	Sunny	Calm	11:34	12:04	56.9	56.1	46.3	55.9	--	55.9	62.2	<Baseline Level	75.0	Traffic, human activities	Not observed
					53.0	56.8	41.9								
					52.4	56.4	43.4								
					56.9	61.5	42.4								
					56.9	59.9	39.9								
56.9	60.1	43.3													
23/10/2025	Cloudy	Calm	11:32	12:02	59.3	61.0	56.0	62.8	--	62.8	62.2	53.9	75.0	Birds, traffic, human activity	Not observed
					60.3	62.5	55.9								
					57.2	58.8	54.8								
					62.0	65.0	55.9								
					65.6	67.8	58.0								
65.9	69.5	48.9													
31/10/2025	Cloudy	Calm	12:42	13:12	54.6	58.9	42.0	54.1	--	54.1	62.2	<Baseline Level	75.0	Human activity, traffic	Not observed
					51.2	55.1	43.8								
					54.4	58.8	43.8								
					52.4	57.9	45.1								
					51.6	53.8	42.8								
57.2	58.6	43.4													



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N15b      Pui O Lo Wai Tsuen      G/F      Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	12:04	12:34	63.7	64.7	62.4	62.6	--	62.6	70.7	<Baseline Level	75.0	Human activity, traffic	Not observed
					62.2	65.3	55.8								
					63.0	66.5	55.1								
					61.5	65.6	55.8								
					62.3	64.8	56.0								
					62.7	66.6	55.3								
19/7/2025	Cloudy	Calm	12:25	12:55	61.2	63.0	54.5	62.5	--	62.5	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					64.2	64.2	54.7								
					65.9	67.1	54.8								
					60.7	65.3	54.7								
					57.4	59.6	54.9								
					60.5	64.5	55.4								
24/7/2025	Sunny	Calm	11:41	12:11	66.0	66.7	62.4	65.6	--	65.6	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					64.5	66.6	62.4								
					67.6	70.2	63.1								
					66.5	70.4	60.7								
					65.4	67.8	59.4								
					61.7	64.4	55.5								
30/7/2025	Cloudy	Calm	12:50	13:20	60.8	65.1	55.2	61.7	--	61.7	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					58.0	61.2	55.2								
					59.8	63.8	55.4								
					63.4	66.9	55.9								
					61.7	65.7	56.0								
					63.9	67.0	58.0								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N15b	Pui O Lo Wai Tsuen	G/F	Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
8/8/2025	Sunny	Calm	13:34	14:04	62.3	65.0	55.3	64.1	--	64.1	70.7	<Baseline Level	75.0	Human activity, Traffic, Construction noise from other project	Not observed
					66.3	69.4	58.3								
					64.2	68.0	57.6								
					64.2	66.5	57.4								
					63.7	67.2	56.1								
					62.9	66.7	56.7								
11/8/2025	Sunny	Calm	12:06	12:36	66.7	68.8	62.9	68.4	--	68.4	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					65.0	67.2	62.4								
					65.0	66.9	62.4								
					66.1	68.5	62.3								
					69.3	72.6	62.5								
					72.6	78.6	63.5								
22/8/2025	Sunny	Calm	12:40	13:10	63.3	65.6	58.4	63.9	--	63.9	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					62.8	66.7	54.3								
					65.6	69.3	59.7								
					61.9	64.4	54.3								
					61.5	65.0	54.3								
					66.0	68.2	54.3								
28/8/2025	Cloudy	Calm	12:45	13:15	64.7	66.1	56.4	63.2	--	63.2	70.7	<Baseline Level	75.0	Human activity, Traffic	Not observed
					61.1	64.6	55.1								
					63.0	67.5	54.9								
					60.1	62.7	54.6								
					62.2	66.4	54.9								
					65.7	65.7	54.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N15b Location Name: Pui O Lo Wai Tsuen Level: G/F Type of Measurement: Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
4/9/2025	Sunny	Calm	14:07	14:37	64.0	67.8	55.1	68	--	68	71	<Baseline Level	75	Human activity, Traffic	Not observed
					61.6	64.0	57.8								
					69.0	74.4	57.4								
					69.7	73.9	65.0								
					70.7	74.3	65.1								
					68.6	72.5	64.5								
10/9/2025	Sunny	Calm	10:16	10:46	61.0	63.7	55.4	62	--	62	71	<Baseline Level	75	Human activity, Traffic	Not observed
					63.3	66.7	55.4								
					62.4	65.1	56.1								
					63.2	66.4	56.1								
					62.0	65.0	56.1								
					61.6	65.7	56.1								
15/9/2025	Sunny	Calm	11:02	11:32	62.5	65.9	55.1	63	--	63	71	<Baseline Level	75	Traffic, human activities	Not observed
					63.5	67.0	55.7								
					63.6	67.1	55.2								
					60.9	63.4	55.1								
					61.8	64.9	55.1								
					62.7	66.2	55.4								
25/9/2025	Cloudy	Calm	15:23	15:53	63.0	66.3	55.5	62	--	62	71	<Baseline Level	75	Traffic, human activities	Not observed
					59.4	61.7	55.0								
					60.1	64.2	54.7								
					61.6	66.0	54.7								
					62.9	66.7	54.5								
					62.5	66.9	54.6								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N15b Location Name: Pui O Lo Wai Tsuen Level: G/F Type of Measurement: Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Sunny	Calm	14:37	15:07	63.2	67.0	57.1	63.3	--	63.3	70.7	<Baseline Level	75.0	Traffic	Not observed
					64.4	66.1	61.8								
					64.1	66.6	61.5								
					62.1	65.2	55.4								
					62.0	65.9	57.6								
					63.3	67.0	54.8								
9/10/2025	Sunny	Calm	11:51	12:21	67.5	68.7	63.0	65.0	--	65.0	70.7	<Baseline Level	75.0	Traffic	Not observed
					65.6	67.9	61.3								
					65.3	67.3	61.0								
					65.4	67.5	60.8								
					59.4	62.3	56.5								
					63.2	67.5	56.6								
14/10/2025	Sunny	Calm	10:23	10:53	61.0	65.4	54.6	63.2	--	63.2	70.7	<Baseline Level	75.0	Traffic	Not observed
					62.6	65.2	54.5								
					62.6	66.4	57.8								
					63.7	66.5	57.9								
					61.8	64.1	58.1								
					65.7	70.2	56.8								
23/10/2025	Cloudy	Calm	14:06	14:36	63.4	66.6	56.1	67.6	--	67.6	70.7	<Baseline Level	75.0	Birds, human activities, traffic	Not observed
					68.8	70.9	66.3								
					69.5	72.7	66.0								
					69.1	70.9	66.4								
					67.7	70.8	55.4								
					63.0	66.3	52.6								
31/10/2025	Cloudy	Calm	14:29	14:59	64.1	68.6	55.8	63.6	--	63.6	70.7	<Baseline Level	75.0	Birds, human activities, traffic	Not observed
					63.0	67.0	56.3								
					65.1	68.9	57.6								
					63.8	67.6	55.7								
					62.4	66.8	55.4								
					62.7	66.8	55.6								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N16a	Residences at Ham Tin	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	13:17	13:47	57.9	58.8	44.0	61.7	3.0	64.7	68.1	<Baseline Level	75.0	Human activity, traffic	Not observed
					54.8	55.9	44.0								
					53.7	54.7	45.6								
					54.1	56.8	47.6								
					65.9	66.4	59.8								
					65.5	65.8	65.0								
19/7/2025	Cloudy	Calm	13:39	14:09	57.3	57.4	45.2	60.4	3.0	63.4	68.1	<Baseline Level	75.0	Human activity, Traffic	Not observed
					60.2	62.5	49.5								
					63.9	63.9	61.6								
					60.5	61.5	58.1								
					60.0	60.0	52.1								
					56.2	56.5	47.6								
24/7/2025	Sunny	Calm	12:56	13:26	53.0	54.3	51.7	62.6	3.0	65.6	68.1	<Baseline Level	75.0	Human activity, Traffic	Not observed
					59.6	60.2	47.5								
					54.7	55.0	43.4								
					62.5	62.6	43.7								
					56.5	57.4	41.7								
					68.6	68.9	43.7								
30/7/2025	Cloudy	Calm	14:02	14:32	57.7	57.7	50.3	59.6	3.0	62.6	68.1	<Baseline Level	75.0	Human activity, Traffic	Not observed
					62.7	63.1	50.6								
					57.8	57.8	49.6								
					61.2	61.2	50.7								
					58.9	58.9	50.3								
					54.3	54.5	48.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N16a      Residences at Ham Tin      G/F      Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
7/8/2025	Sunny	Calm	14:47	15:17	60.9	62.7	57.0	65.1	3.0	68.1	68.1	<Baseline Level	75.0	Traffic, Human activities (relocation works), Helicopter	Not Observed
					60.3	60.3	55.9								
					57.4	58.8	55.0								
					61.1	63.2	54.1								
					68.7	72.7	57.1								
					69.0	72.1	57.7								
11/8/2025	Sunny	Calm	13:18	13:48	54.8	57.7	48.8	58.6	3.0	61.6	68.1	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					58.5	60.0	54.8								
					58.5	61.1	54.1								
					60.3	61.4	53.7								
					60.4	61.7	52.2								
					56.5	56.2	50.1								
22/8/2025	Sunny	Calm	12:01	12:31	53.4	53.2	41.1	54.9	3.0	57.9	68.1	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					47.6	45.3	40.7								
					53.1	48.9	42.0								
					55.9	53.6	41.8								
					49.9	49.9	40.6								
					59.4	57.6	42.7								
28/8/2025	Cloudy	Calm	14:33	15:03	56.2	56.8	41.5	57.3	3.0	60.3	68.1	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					57.4	54.1	42.8								
					53.8	55.3	42.1								
					60.2	58.9	41.6								
					57.0	51.4	43.0								
					56.4	59.3	45.7								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N16a	Residences at Ham Tin	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
3/9/2025	Sunny	Calm	10:29	10:59	50.6	52.7	43.0	55	3	58	68	<Baseline Level	75	traffic, bird, human activity	Not Observed
					53.7	59.1	42.5								
					59.5	57.9	42.9								
					54.8	59.3	43.6								
					50.3	52.5	42.4								
					51.2	53.4	42.8								
10/9/2025	Sunny	Calm	11:33	12:03	57.4	52.2	44.2	55	3	58	68	<Baseline Level	75	traffic, bird, human activity	Not Observed
					48.1	51.1	45.0								
					57.4	52.5	44.8								
					49.6	49.9	45.6								
					52.6	49.8	44.5								
					57.0	59.0	44.6								
15/9/2025	Sunny	Calm	09:52	10:22	53.8	53.7	41.8	63	3	66	68	<Baseline Level	75	traffic, bird, human activity	Not Observed
					66.3	60.2	42.3								
					57.8	55.6	41.4								
					58.7	54.9	42.8								
					64.8	61.0	42.8								
					64.9	64.0	42.5								
26/9/2025	Sunny	Calm	12:20	12:50	45.5	49.0	40.1	52	3	55	68	<Baseline Level	75	traffic, bird, human activity	Not Observed
					55.8	52.2	40.0								
					50.2	54.0	36.3								
					53.5	51.8	37.7								
					49.2	50.0	39.7								
					48.1	51.2	36.2								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement
N16a	Residences at Ham Tin	G/F	Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Fine	Calm	12:34	13:04	50.1	47.5	37.0	56.6	3.0	59.6	68.1	<Baseline Level	75.0	Traffic	Not observed
					53.1	54.6	37.6								
					58.7	50.4	37.4								
					47.3	46.4	36.6								
					57.0	52.9	36.4								
					60.6	62.5	39.3								
10/10/2025	Cloudy	Calm	10:43	11:13	56.3	58.0	45.9	57.9	3.0	60.9	68.1	<Baseline Level	75.0	Traffic, birds, human activities	Not observed
					61.6	58.0	47.1								
					57.0	56.1	44.5								
					59.3	55.0	42.4								
					52.0	51.8	38.4								
					55.5	59.8	42.0								
14/10/2025	Sunny	Calm	11:02	11:32	60.7	57.9	43.4	61.9	3.0	64.9	68.1	<Baseline Level	75.0	Traffic, birds, human activities	Not observed
					54.9	52.9	38.0								
					51.4	51.5	37.4								
					50.2	48.8	38.4								
					61.0	58.4	40.5								
					68.0	63.5	44.4								
23/10/2025	Cloudy	Strong	12:08	12:38	55.8	58.9	50.5	57.7	3.0	60.7	68.1	<Baseline Level	75.0	Birds, human activity, dog bark	Not observed
					58.7	61.0	48.7								
					60.2	62.9	52.9								
					54.8	58.3	48.4								
					57.2	57.9	47.6								
					57.3	59.0	47.3								
31/10/2025	Cloudy	Calm	13:21	13:51	54.4	55.8	45.9	57.1	3.0	60.1	68.1	<Baseline Level	75.0	Birds, human activity, traffic	Not observed
					58.7	58.6	47.7								
					56.8	56.3	45.5								
					58.3	61.7	48.3								
					57.2	55.9	46.9								
					56.0	57.8	48.2								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref	Location Name	Level	Type of Measurement													
Location	N16b	Residences at Ham Tin	G/F	Free-Field												
Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise	
					Leq	L10	L90									
11/7/2025	Cloudy	Calm	12:43	13:13	53.9	56.6	48.4	54.0	3.0	57.0	68.5	<Baseline Level	75.0	Human activity, traffic, bird	Not observed	
					56.1	58.9	51.5									
					52.5	52.1	50.3									
					48.9	51.0	46.0									
					50.2	54.2	45.0									
					56.7	54.1	44.0									
19/7/2025	Cloudy	Calm	13:04	13:34	54.8	56.7	45.8	55.2	3.0	58.2	68.5	<Baseline Level	75.0	Human activity, Traffic	Not observed	
					56.0	57.4	53.8									
					55.2	58.2	47.8									
					52.8	54.8	49.4									
					54.9	56.0	48.5									
					56.5	59.1	47.7									
24/7/2025	Sunny	Calm	12:21	12:51	50.3	53.2	46.4	51.5	3.0	54.5	68.5	<Baseline Level	75.0	Human activity, Traffic	Not observed	
					51.6	53.7	47.2									
					52.1	53.7	50.1									
					51.9	54.6	49.1									
					50.8	52.3	46.7									
					52.1	54.7	47.0									
30/7/2025	Cloudy	Calm	13:26	13:56	50.7	53.2	47.6	55.5	3.0	58.5	68.5	<Baseline Level	75.0	Human activity, Traffic	Not observed	
					55.3	59.1	48.0									
					55.5	57.1	52.6									
					57.2	59.6	54.2									
					51.9	54.1	49.9									
					57.9	62.4	50.2									



Location	Ref	Location Name	Level	Type of Measurement	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
7/8/2025	Sunny	Calm	15:21	15:51	54.6	60.0	44.9	51.7	3.0	54.7	68.5	<Baseline Level	75.0	Traffic, Birds	Not observed
					51.9	53.2	45.1								
					52.5	52.1	44.4								
					52.8	55.0	44.1								
					49.4	49.8	43.9								
					48.0	47.0	43.5								
11/8/2025	Sunny	Calm	12:45	13:15	56.3	56.6	44.8	52.8	3.0	55.8	68.5	<Baseline Level	75.0	Human activity, Traffic	Not observed
					49.8	52.8	42.1								
					49.3	51.9	47.4								
					50.9	53.1	48.0								
					50.2	51.9	47.5								
					54.9	58.4	45.9								
22/8/2025	Sunny	Calm	11:27	11:57	56.2	59.2	41.3	51.4	3.0	54.4	68.5	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					50.5	52.2	42.2								
					45.8	47.3	41.9								
					51.4	55.1	43.0								
					48.5	51.6	42.4								
					46.8	50.9	42.6								
28/8/2025	Cloudy	Calm	13:59	14:29	49.8	53.1	44.2	52.5	3.0	55.5	68.5	<Baseline Level	75.0	Human activity, Traffic	Not Observed
					48.5	50.5	42.4								
					48.7	51.1	41.4								
					46.6	48.1	43.0								
					58.6	53.7	43.8								
					47.6	50.4	43.5								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N16b      Residences at Ham Tin      G/F      Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
3/9/2025	Sunny	Calm	11:00	11:30	45.4	46.7	40.7	50	3	53	69	<Baseline Level	75	traffic, bird, human activity	Not observed
					47.4	49.6	43.5								
					52.5	52.1	42.9								
					50.4	51.2	42.1								
					51.8	53.7	41.5								
46.8	49.0	42.4													
10/9/2025	Sunny	Calm	12:07	12:37	43.1	44.4	39.5	48	3	51	69	<Baseline Level	75	traffic, bird, human activity	Not observed
					47.5	51.2	40.5								
					48.9	51.1	42.9								
					47.5	50.6	42.0								
					46.3	47.4	40.4								
50.6	50.2	39.9													
15/9/2025	Sunny	Calm	10:26	10:56	58.5	63.5	42.7	53	3	56	69	<Baseline Level	75	traffic, bird, human activity	Not observed
					50.9	52.3	40.5								
					54.4	54.5	41.0								
					42.3	43.3	40.0								
					45.8	47.4	40.6								
47.4	52.1	41.0													
26/9/2025	Sunny	Calm	12:54	13:24	52.4	49.7	40.8	50	3	53	69	<Baseline Level	75	traffic, bird, human activity	Not observed
					50.3	53.2	39.3								
					45.1	48.4	38.4								
					51.9	47.9	39.4								
					47.4	51.3	40.1								
45.6	48.4	40.9													



**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N16b      Residences at Ham Tin      G/F      Free-Field

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Sunny	Calm	13:14	13:44	47.0	48.0	44.5	49.5	3.0	52.5	68.5	<Baseline Level	75.0	Bird	Not observed
					48.4	49.6	44.4								
					52.5	52.1	45.1								
					51.7	54.6	46.1								
					51.2	52.3	45.4								
					48.1	50.9	43.9								
10/10/2025	Sunny	Calm	11:16	11:46	49.5	51.8	40.4	49.9	3.0	52.9	68.5	<Baseline Level	75.0	Birds, human activities	Not observed
					47.6	50.9	40.1								
					49.5	50.1	40.0								
					50.2	51.2	42.0								
					53.0	55.5	42.5								
					46.3	47.7	40.4								
14/10/2025	Sunny	Calm	11:36	12:06	53.7	52.5	42.3	52.0	3.0	55.0	68.5	<Baseline Level	75.0	Birds, human activities	Not observed
					55.4	51.2	42.0								
					50.2	53.9	43.5								
					50.9	51.4	42.1								
					48.9	51.8	41.3								
					47.3	49.0	40.3								
23/10/2025	Cloudy	Calm	12:41	13:11	53.2	54.8	47.8	53.8	3.0	56.8	68.5	<Baseline Level	75.0	Human activities, traffic	Not observed
					55.4	55.9	49.6								
					53.0	54.9	48.6								
					50.9	53.4	46.9								
					56.0	56.2	49.1								
					51.8	54.0	49.2								
31/10/2025	Cloudy	Calm	13:53	14:23	43.6	45.1	41.1	51.8	3.0	54.8	68.5	<Baseline Level	75.0	Human activities, traffic	Not observed
					51.9	54.2	42.1								
					54.8	59.0	42.2								
					48.3	52.4	41.9								
					49.5	51.9	43.3								
					54.5	58.7	44.5								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N17 Location Name: Bui O Public School Level: R/F Type of Measurement: Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
11/7/2025	Cloudy	Calm	14:33	15:03	51.1	52.5	49.6	55.5	--	55.5	62.3	<Baseline Level	70.0	Human activity, traffic	Observed from our project (Car parking near school)
					51.7	53.5	49.4								
					55.8	60.0	49.2								
					50.6	51.7	49.3								
					54.0	55.9	50.5								
					60.4	63.8	50.2								
19/7/2025	Sunny	Calm	15:29	15:59	69.1	72.2	59.6	67.4	--	67.4	62.3	65.8	70.0	Human activity, Traffic	Not observed
					66.6	71.0	55.6								
					67.0	71.3	53.7								
					65.7	69.7	54.3								
					68.7	71.6	52.9								
					66.5	71.2	53.3								
24/7/2025	Cloudy	Calm	14:12	14:42	54.5	56.8	51.4	56.2	--	56.2	62.3	<Baseline Level	70.0	Human activity, Traffic, Bird	Work site in car park
					57.9	60.2	53.6								
					59.4	63.5	50.2								
					53.2	56.6	48.5								
					51.9	54.6	47.4								
					55.8	59.3	49.5								
30/7/2025	Sunny	Calm	15:19	15:49	53.0	55.0	50.3	52.5	--	52.5	62.3	<Baseline Level	70.0	Human activity, Traffic	Not observed
					51.8	53.2	50.1								
					52.5	54.0	51.1								
					52.9	54.6	50.9								
					51.5	52.7	50.2								
					53.3	53.5	49.5								



**Ref**      **Location Name**      **Level**      **Type of Measurement**  
 N17      Bui O Public School      R/F      Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
7/8/2025	Sunny	Calm	16:08	16:38	49.3	51.7	45.6	47.9	--	47.9	62.3	<Baseline Level	70.0	Traffic, Birds	Not Observed
					47.3	50.3	44.2								
					48.0	50.1	45.0								
					47.4	49.3	44.8								
					46.5	49.0	43.3								
					48.6	49.9	43.4								
11/8/2025	Sunny	Calm	14:34	15:04	60.5	61.5	58.1	60.1	--	60.1	62.3	<Baseline Level	70.0	Human activity, Traffic	Not Observed
					59.9	61.6	58.3								
					59.7	61.2	57.9								
					61.1	63.4	58.2								
					59.6	61.1	58.0								
					59.6	61.1	57.9								
22/8/2025	Sunny	Calm	10:17	10:47	62.6	64.5	59.8	60.1	--	60.1	62.3	<Baseline Level	70.0	Human activity, Traffic	Not Observed
					60.9	61.6	60.3								
					61.1	61.9	60.2								
					60.1	61.8	54.5								
					55.9	57.8	54.0								
					55.8	57.2	53.9								
28/8/2025	Cloudy	Calm	15:42	16:12	59.8	56.0	51.7	55.6	--	55.6	62.3	<Baseline Level	70.0	Human activity, Traffic	Not Observed
					56.0	54.7	51.0								
					53.3	53.4	50.7								
					53.4	54.6	51.7								
					53.6	55.7	50.7								
					51.8	53.5	50.4								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Ref: N17 Location Name: Bui O Public School Level: R/F Type of Measurement: Façade

Date	Weather	Wind Condition	Start Time	End Time	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Limit Level	Noise Sources	Construction Noise
					Leq	L10	L90								
4/9/2025	Sunny	Calm	12:49	13:19	53.7	55.0	52.0	54	--	54	62	<Baseline Level	70	Human activities	Not Observed
					53.4	54.6	52.3								
					53.4	54.3	52.4								
					53.1	53.9	52.3								
					54.4	55.6	53.2								
					54.2	55.0	53.2								
10/9/2025	Cloudy	Calm	14:17	14:47	63.6	64.9	62.2	67	--	67	62	65	70	Human activities	Not Observed
					63.8	64.7	62.7								
					63.2	63.9	62.6								
					63.3	64.2	62.1								
					70.4	76.1	62.2								
					70.2	74.1	65.0								
16/9/2025	Sunny	Small	11:24	11:54	53.1	54.4	50.6	63	--	63	62	55	70	Human activities, school activities	Not Observed
					59.3	63.2	50.8								
					66.8	70.0	59.0								
					66.5	69.5	61.2								
					62.8	67.0	53.0								
					52.2	53.2	50.7								
26/9/2025	Sunny	Calm	14:05	14:35	45.2	47.2	41.7	47	--	47	62	<Baseline Level	70	Human Activities	Not Observed
					43.4	46.3	40.0								
					45.6	47.3	41.6								
					45.5	47.9	41.4								
					47.1	50.0	41.6								
					49.6	53.4	42.9								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
 Stage 2 – South Lantau Sewerage Works –  
 Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
 Hennessy Road, Wan Chai, Hong Kong

Location	Ref	Location Name	Level	Type of Measurement	Measured Noise Level			Leq30mins	Façade Correction	Corrected Leq30mins	Baseline Level	Construction Noise Level	Action Level	Noise Sources	Construction Noise
					Leq	L10	L90								
6/10/2025	Fine	Calm	13:54	14:24	52.8	54.3	51.2	53.0	--	53.0	62.3	<Baseline Level	70.0	Human activities, bird	Not observed
					55.3	56.8	50.7								
					54.2	56.9	50.2								
					50.9	51.6	50.2								
					51.1	52.3	49.9								
					51.5	52.4	50.5								
10/10/2025	Sunny	Calm	11:55	12:25	50.0	51.6	48.1	69.3	--	69.3	62.3	68.3	70.0	Human activities	Not observed
					53.9	54.1	50.7								
					52.0	53.1	50.9								
					54.5	56.7	51.9								
					72.0	76.0	52.4								
					75.4	79.0	64.9								
15/10/2025	Sunny	Calm	12:11	12:41	60.1	62.4	55.0	61.5	--	61.5	62.3	<Baseline Level	70.0	Human activities	Not observed
					65.1	69.0	56.7								
					63.6	67.4	55.4								
					56.8	59.3	54.2								
					58.5	61.5	54.7								
					58.8	61.1	55.6								
23/10/2025	Cloudy	Strong	14:43	15:13	50.2	52.3	47.1	53.3	--	53.3	62.3	<Baseline Level	70.0	Birds, human activities, school bell	Not observed
					50.8	52.2	46.8								
					50.9	51.8	48.0								
					56.6	59.2	47.4								
					53.7	55.3	48.7								
					54.1	56.6	47.6								
31/10/2025	Cloudy	Calm	12:07	12:37	57.3	58.5	55.3	58.1	--	58.1	62.3	<Baseline Level	70.0	human activity	Not observed
					58.7	61.0	56.7								
					60.2	63.2	56.5								
					58.6	60.4	56.0								
					56.8	57.5	56.0								
					55.7	56.6	55.3								



Contract No. CM 04/2024 - Outlying Islands Sewerage  
Stage 2 – South Lantau Sewerage Works –  
Environmental Team Services (2025 - 2027)

UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145  
Hennessy Road, Wan Chai, Hong Kong

# Appendix 10.1

## Final Investigation Report

Investigation Report

**Contract:** DC2020 - Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works – Environmental Team Services (2025 - 2027)

**ET Log Reference:** 007

**Date Received:** 16 September 2025

**Source of Complaint:** Environmental Protection Department

**Location:** Pui O Wetland

**Details of Complaint:**

The complaint was submitted to the Environmental Protection Department (EPD) on 16 September 2025. The complaint was then referred to the Environmental Team (ET), Independent Environmental Checker (IEC), Drainage Services Department (DSD), and the Contractor on 16 September 2025. Engineer's Representative (ER) was informed on 17 September 2025. The complainants alleged that there was oil sheen found at the wetland in Pui O, leading to withering of plants.

**Content of the complaint:** 貝澳濕地油污問題

昨天收到貝澳居民投訴，指貝澳濕地（位置見圖）發現有電油，電油佈滿部份濕地的水及泥土中，導致部份浮籐及浮萍枯死。源頭不明。

今日中午時到過上址，發現在附地圖紅間位置濕地上的植物有枯萎情況，有村民表示今早仍見有油跡由西北方往東南流動。中午時，雖未見明顯油跡，但有強烈的氣油味從嶼南路方向飄來。再到嶼南路尋持氣油味的來源，似乎在羅屋村往東涌方向巴士站旁的垃圾站小徑中途發出，亦不排除與工程地盤有關。



On 25 September 2025, additional information from EPD was received that oil signs spotted in the Pui O. Location map and relevant photos, are given as follows.



Location of oil signs



**Actions taken:**

- 16 September 2025: Discussion between ET, Contractor, IEC, DSD and ER
- 17 September 2025: An unannounced inspection was conducted by ET
- 17 September 2025: ET requested the Contractor to provide information on chemical storage and usage; the Contractor provided the Information, including details of chemical storage and usage on the same day
- 18 September 2025: ET and Contractor conducted a joint site investigation.
- 25 September 2025: ET, EPD, and Contractor conducted a joint site investigation. The site investigation location specified by EPD.
- 25 September 2025: ET, and Contractor conducted a subsequent site inspection.
- 3 October 2025: ET requested information on ongoing and immediately past construction activities carried by the Contractor, chemical waste disposal record, and the condition at site boundaries and the on-site facilities (i.e. PME).

**Investigation Findings:**

In accordance with the contractor's report, the following activities were carried out in September 2025:

- Excavation, sewer laying, construction of manhole at Pui O Lo Uk Tsuen, South Lantau Road, Chi Ma Wan Road;
- Trenchless drilling works (Chi Ma Wan Road);

- Excavation and Excavation and Lateral Support (“ELS”) work at Pui O Sewage Pumping Station (“POSPS”);
- Superstructure Reinforced Concrete (“RC”) works at San Shek Wan Sewerage Treatment Works (“SSWSTW”);
- Waterproofing Work at SSWSTW;
- Excavation and Site formation at SSWSTW; and
- Electrical and Mechanical (“E&M”) Installation at POSPS

Site inspection record was checked. Oil drums stored on site were found to be properly stored on drip trays, and no leakage was observed. The photo of the oil drums is given in **Figure 1** in Photo Records. Active site locations are given in **Figure 2** in Photo Records.

On 17 September 2025, an unannounced Inspection was conducted by ET. The inspected locations are given in **Figure 3** in Photo Records. NAPL stains were identified at the wetlands of Pui O. The location of the contamination is shown in **Figure 4** in Photo Records. The Oil stains was observed in the stream (**Figure 5**). The oil sheen was not identified within proximity of our Project Sites.

On 18 September 2025, site inspection was conducted by ET and the Contractor on the status of chemical and fuel storage on site. No chemical storage near polluted location was identified (**Figure 6**). In addition, the diesel drum stored on site are in good condition and protected by drip trays. No leakage or spillage was observed (**Figure 7 to 8**).

On 25 September 2025, joint site inspection was conducted by ET, EPD, and the Contractor to inspect the location where oil signs were reported by EPD and No oil sheen was found at the location where oil signs were identified as reported by EPD (**Figure 9 to 11**). The joint inspection location was designated by EPD in **Figure 12** in Photo Records. A patch of oil stain was identified during the inspection, and the location is given in **Figure 13** in Photo Records. The location of identified oil stains was not within proximity of the project sites. No source of oil leakage was identified.

**Photo Records**

Date	Status / Observation
15 September 2025	 <p data-bbox="400 1760 1374 1792"><b>Figure 1: Proper storage of diesel drum on 15 September 2025 (before the complaint)</b></p>

Date	Status / Observation
--	 <p data-bbox="555 584 735 674">Reported location of oil sheen</p> <div data-bbox="352 779 719 925"> <p>LEGEND:</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: red; margin-right: 5px;"></span> Major Project Location</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid blue; border-radius: 50%; margin-right: 5px;"></span> Sewer Laying Site</li> </ul> </div> <p data-bbox="719 969 1054 999" style="text-align: center;"><b>Figure 2: Active Site Location</b></p>
17 September 2025	<p data-bbox="272 1055 1254 1084">ET conducted an unannounced inspection on 17 September 2025. Oil stains were identified.</p>  <p data-bbox="719 1794 1054 1823" style="text-align: center;"><b>Figure 3: Inspected locations</b></p>

Date	Status / Observation
<p>17 September 2025</p>	 <p style="text-align: center;"><b>Figure 4: The location of the pollution found</b></p>
<p>17 September 2025</p>	 <p style="text-align: center;"><b>Figure 5: Photo on Pollution found in Pui O Wetland</b></p>

Date	Status / Observation
<p>18 September 2025</p>	 <p data-bbox="536 546 715 651">Reported location of oil sheen</p> <p data-bbox="948 546 1216 636">Location of oil drum storage in Pui O</p> <p data-bbox="625 969 1155 999"><b>Figure 6: The storage location of the oil drums</b></p>
<p>18 September 2025</p>	<p data-bbox="276 1043 1445 1072">Diesel fuel drums were stored in a proper manner, and no signs of leakage were detected in the generator set.</p>  <p data-bbox="536 1771 1246 1800"><b>Figure 7: Proper storage of diesel drum on 18 September 2025</b></p>

Date	Status / Observation
<p>18 September 2025</p>	 <p style="text-align: center;"><b>Figure 8: Proper storage of diesel drum on 18 September 2025</b></p>
<p>25 September 2025</p>	<p>On 25 September 2025, a joint inspection was conducted by ET, EPD and Contractor to inspect the location where oil signs were reported by EPD. No source of oil leakage was identified at San Shek Wan Sewerage Treatment Works.</p>  <p style="text-align: center;"><b>Figure 9: Photos of the joint site investigation conducted by ET, EPD, and the Contractor</b></p>

Date	Status / Observation
<p>25 September 2025</p>	<p>The joint inspection location was designated by EPD.</p>  <p style="text-align: center;"><b>Figure 10: Inspected locations</b></p>
<p>25 September 2025</p>	<p>No oil sheen was found at the location where oil signs were identified as reported by EPD. Its location does not fall within the project site area.</p>  <p style="text-align: center;"><b>Figure 11: The location of oil sheen reported by EPD</b></p>

Date	Status / Observation
<p>25 September 2025</p>	<p>Oil signs were identified during the site inspection.</p>  <p style="text-align: center;"><b>Figure 12: The location of the pollution was found</b></p>
<p>25 September 2025</p>	 <p style="text-align: center;"><b>Figure 13: Pollution found in Pui O Wetland on 25 September 2025</b></p>

## CONCLUSION

A complaint concerning an oil sheen was observed in the Pui O wetland, leading to plant withering. It was received on 16 September 2025 by the Environmental Protection Department (EPD). The complaint was then forwarded to the Environmental Team (ET), Independent Environmental Checker (IEC), and Drainage Services Department (DSD) on the same day. Engineer's Representative (ER) was informed on 17 September 2025

Subsequent inspections confirmed that the diesel drum stored within the Project Sites were properly stored (no irregular placement, or non-compliance issues), no leakage or spillage was observed.

After an unannounced inspection conducted by ET on 17 September 2025, joint site investigation conducted by ET and the Contractor on 18 September 2025, and a joint site investigation conducted by ET, EPD, and the Contractor on 25 September 2025, and the subsequent site inspection was conducted by ET, and the Contractor on the same day, the location where oil signs were detected is far from the Project Sites. Also, the diesel drums are properly stored on site with a drip tray, and no leakage was observed during site inspections before the complaint was received. Finally, no oil signs within the project sites were found during the site inspections conducted throughout the period of complaint investigation

Therefore, it was considered that the incident is not related to the Project.

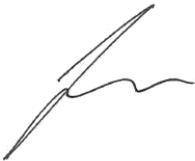
## RECOMMENDATIONS

Though the Contractor has properly stored the chemicals, Contractor is nonetheless reminded to carryout proactive measures to prevent the occurrence of similar situations.

The following measures should be implemented/maintained to prevent environmental impacts on the project and surrounding areas, and to respond to similar complaints promptly:

1. Checking of diesel drums storage conditions during the Contractor's daily site inspections to ensure no leakage observed, and are protected by a drip tray.
2. Regular inspection of fuel lines, seals, and connections for signs of wear or leakage and maintaining a spill containment system (e.g., drip trays or bunds) around the genset to contain any potential fuel leaks.
3. Staff training on chemicals storage, and procedure to response to spillage.
4. Should any chemical spillage occur, promptly report to DSD, ER, ET, and IEC on the incidents, and propose proper response actions.

ET Leader Signature :



Date : 16/10/2025

IEC Signature :



Date : 17/10/2025

DISTRIBUTION :

COPIED :



## Appendix 3.3

# Waste Material in the Reporting Quarter



Drainage Services Department

Contract No. DC/2020/02

Construction of San Shek Wan Sewage Treatment Works,  
 Associated Submarine Outfall and Pui O Sewerage Works

### Summary Waste Flow Table for August to October 2025

Month	Actual Quantities of Inert C&D Material Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated (a) (in '000m3)	Hard Rocks and Large Broken Concrete (b) (in '000m3)	Reused in the Contract (c) (in '000m3)	Reused in other Projects (d) (in '000m3)	Disposed as Public Fill (a-b-c-d) (in '000m3)	Imported Fill (in '000m3)	Metals (in '000kg)	Paper/cardboard packaging (in '000kg)	Plastics [see Note 3] (in '000kg)	Chemical waste (in '000kg)	Others. e.g. general refuse (in '000kg)
Aug	0.34	0.00	0.00	0.00	0.34	0.00	13.0244	0.095	0.0044	0.00	76.22
Sept	0.23	0.00	0.00	0.00	0.23	0.00	5.5200	0.0000	0.0000	0.00	55.6
Oct	0.49	0.00	0.00	0.00	0.14	0.35	12.4027	0.0754	0.0027	0.00	54.69
<b>Total</b>	<b>1.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>	<b>0.35</b>	<b>30.9471</b>	<b>0.1704</b>	<b>0.0071</b>	<b>0.00</b>	<b>186.51</b>

- Notes:
- (1) The inert C&D material except slurry and bentonite are disposed at Mui Wo Temporary Public Fill Bank (MW-PFRF) or Tuen Mun Area 38 Fill Bank (TM38-FB)
  - (2) The slurry and bentonite are disposed at Tseung Kwan O Area 137 Fill Bank (TKO137FB)
  - (3) The non-inert waste is disposed at NENT or Outlying Islands Transfer Facilities
  - (4) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
  - (5) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
  - (6) Assume the density of fill material is 2 tonne/m<sup>3</sup>.