Drainage Services Department

Port Shelter Sewerage, Stage 3 – Sewerage Works at Po Toi O

Quarterly EM&A Report

(Period from Sep to Nov 2025)

Prepared by

SGS Hong Kong Limited

Certified by:

Johnathan Ho

Environmental Team Leader

Verified by:

F.C. Tsang

Independent Environmental Checker

SGS Hong Kong Ltd. Units 303 & 305, 3/F, Building 22E
Phase 3, Hong Kong Science Park
Pak Shek Kok, New Territories
Hong Kong, China

Our Ref: PL- 202603039

Drainage Services Department
System Management Division
14/F, Drainage Services Tower, 8 Ying Wa Street,
Cheung Sha Wan, Kowloon

Attention: Mr. Gary CHUNG

20 March 2026

Dear Gary,

Port Shelter Sewerage, Stage3 - Sewerage Works at Po Toi O
Quarterly EM&A Report for September 2025 to November 2025

Reference is made to your submission of the Quarterly EM&A Report for September 2025 to November 2025 (Revision 01). We are pleased to inform you that we have no adverse comment on the captioned report.

Thank you for your attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully,

F.C. Tsang
Independent Environmental Checker

cc. ETL – Johnathan HO

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Issue and Revision Record

Revision	Description	Prepared by	Checked by	Approved by	Date
02	Submission	Various	Johnathan Ho 	Roy Hung 	Dec 2025

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1. EXECUTIVE SUMMARY

1.1 This Quarterly Environmental Monitoring & Audit (EM&A) report presents the EM&A works performed in the period between September to November 2025 for "Port Shelter Sewerage, Stage 3 – Sewerage works at Po Toi O".

1.2 The impact stage EM&A Programme for the Project includes air quality, noise, water quality, waste, ecology, fisheries, landscape and visual and built heritage monitoring. The recommended environmental mitigation measures were implemented on site and regular inspections were carried out to ensure that the environmental conditions are acceptable.

1.3 The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the EM&A works that adequate environmental mitigation measures have been implemented by the contractor where appropriate in the reporting quarter.

1.4 The construction commencement date of the project was revised on 27 April 2021. The construction commencement date of provision of village sewerage to the unsewered areas of Po Toi O has been revised from 1 March 2021 to 16 June 2021, and the construction commencement date of village sewerage construction of the local sewage treatment plant (STP) has been revised from 10 May 2021 to 16 June 2021. In view of the revised construction commencement date, the EM&A programme was subsequently suspended from 28 April 2021 until 16 June 2021.

Exceedance of Action and Limit Level

1.5 There was no action or limit level exceedance record of construction noise and air quality was recorded in the reporting quarter.

Implementation of Mitigation Measures

1.6 Construction phase weekly site inspections were carried out to confirm the implementation measures undertaken by the Contractor in the reporting quarter. The status of implementation of mitigation measures during the reporting quarter is shown in **Appendix E**.

Record of Complaints

1.7 No complaints, notification of summons and successful prosecution was received in the reporting period. No public engagement activity was conducted in the reporting quarter.

1.8 No air quality, noise and water complaints during 0700 – 1900 hours on normal weekdays was received in the reporting quarter.

Record of Notification of Summons and Successful Prosecutions

1.9 No notification of summons and successful prosecution was received in the reporting period. No public engagement activity was conducted in the reporting quarter.

2. INTRODUCTION

Project Information

2.1 Société Générale de Surveillance (SGS) Hong Kong Limited has been appointed by Drainage Services Department (DSD) as the Environmental Team (ET) to undertake the EM&A programme during construction phase of the Project in accordance to the approved EM&A Manual for the proposed sewerage works in Po Toi O (hereafter as "The Project"), an environmental enhancement project that aims to improve environmental hygiene of the Po Toi O area.

2.2 The Quarterly EM&A Report is prepared in accordance with the Section 13.6 of the EM&A Manual. This Quarterly EM&A Report presents the monitoring works conducted from 1 September to 30 November 2025. The purpose of this report is to summary the findings in the EM&A of the project over the reporting quarter.

Project Organization

2.3 The project organization chart, key personnel contact names and numbers and lines of communication with respect to the onsite environmental management perforce is shown in **Appendix C**.

Environmental Status in the Reporting Quarter

2.4 During the reporting quarter, construction works at Po Toi O undertaken include:

- Major activities in the reporting quarter:

1. Construction of village sewer;
2. Superstructure works for Po Toi O Sewage Treatment Plant;
3. Coring of village sewer;
4. E&M works for Po Toi O Sewage Treatment Plant

- Major activities in the upcoming quarter:

1. Construction of village sewer;
2. Excavation works and construction of ELS for Po Toi O Sewage Treatment Plant;
3. Coring of village sewer;
4. TBM;
5. E&M works for Po Toi O Sewage Treatment Plant

2.5 The Construction Works Programme of the Project is provided in **Appendix D**.

3. SUMMARY OF EM&A MONITORING REQUIREMENTS

3.1 In accordance with the EM&A Manual, environmental parameters including air quality, noise & water quality have been monitored in the reporting quarter. The specific parameters, monitoring frequency and the respective Action and Limit levels are given in **Table 3-1** and **Table 3-2**. Locations of the monitoring stations are provided in **Appendix A**.

Table 3-1 ***Summary of Impact EM&A Requirements (Air & Noise)***

Parameters[2]	Descriptions	Locations[1]	Frequencies	Action Level	Limit Level
Air Quality	24-hour TSP	AMS1N	At least once every 6 days	153 µg/m^3	260 µg/m^3
	24-hour TSP	AMS2N1		179 µg/m^3	
	24-hour TSP	AMS3N		158 µg/m^3	
	24-hour TSP	AMS4N		144 µg/m^3	
	1-hour TSP	AMS1N		319 µg/m^3	500 µg/m^3
	1-hour TSP	AMS2N1		279 µg/m^3	
	1-hour TSP	AMS3N		303 µg/m^3	
	1-hour TSP	AMS4N		278 µg/m^3	
Noise	Leq, 30 minutes	NMS1N	At least once per week	When one documented complaint is received from any one of the noise sensitive receivers	75 dB(A)*
	Leq, 30 minutes	NMS2N1			
	Leq, 30 minutes	NMS3N			
	Leq, 30 minutes	NMS4N			

Notes:
1- Due to several limitations (i.e. EM&A approved monitoring stations not accessible) identified at the air quality and noise monitoring stations in the Approved EM&A Manual for the Project, the monitoring location AMS1 – AMS4 & NMS1 – NMS4 were replaced by alternative monitoring location AMS1N – AMS4N & NMS1N – NMS4N, which was approved by ER and IEC.

Table 3-2 ***Summary of Impact EM&A Requirements (Water Quality)***

Parameters[2]	Descriptions	Locations[1]	Frequencies	DO AL	TUBIDITY AL	SS AL	DO LL	TUBIDITY LL	SS LL
Water Quality	Turbidity (NTU) DO (mg/L and % Of Saturation) SS (mg/L)	WMS1N	3 Days Per Week (The Interval Between Two Sets of Monitoring Shall Not Be Less Than 36 Hours.)	7.57 (S&M) 7.50 (B)	1.11	10	7.55 (S&M) 7.45 (B)	1.90	12
		WMS2N		7.58 (S&M) 7.49 (B)	1.60	9	7.51 (S&M) 7.36 (B)	2.50	12
		WMS3		7.62 (S&M)	1.30	10	7.49 (S&M)	1.50	12
		WMS4		7.73 (S&M)	1.47	9	7.53 (S&M)	1.75	10
		WMS5		7.62 (S&M)	1.50	8.65	7.60 (S&M)	1.70	12
		WMS6		7.56 (S&M) 7.41 (B)	1.40	9	7.42 (S&M) 7.37 (B)	1.70	11
		I1		7.52 (S&M) 7.50 (B)	1.55	11.45	7.40 (S&M) 7.44 (B)	2.03	15
		I2		7.59 (S&M) 7.53 (B)	1.15	10	7.04 (S&M) 7.51 (B)	1.80	12

Environmental Mitigation Measures

3.2 Environmental mitigation measures have been recommended in the EM&A Manual. Summary implementation status of the environmental mitigation measures is provided in **Appendix E**.

4. SUMMARY OF EM&A MONITORING RESULTS

4.1 In accordance with the EM&A Manual, impact monitoring has been conducted in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and present in **Appendix F.** Monitoring data with graphical presentation for the reporting quarter are show in **Appendix G.** A Summary on the monitoring results is presented in **Table 4-1**.

Table 4-1 Summary of Monitoring Data

Parameter[1]	Monitoring Location	Minimum	Maximum	Average
Air Quality				
24-hour TSP	AMS1N	18 μg/m^3	56 μg/m^3	36.6 μg/m^3
24-hour TSP	AMS2N1	18 μg/m^3	64 μg/m^3	37.2 μg/m^3
24-hour TSP	AMS3N	17 μg/m^3	35 μg/m^3	27.5 μg/m^3
24-hour TSP	AMS4N	17 μg/m^3	42 μg/m^3	30.1 μg/m^3
1-hour TSP	AMS1N	15 μg/m^3	54 μg/m^3	36.9 μg/m^3
1-hour TSP	AMS2N1	12 μg/m^3	53 μg/m^3	37.2 μg/m^3
1-hour TSP	AMS3N	13 μg/m^3	49 μg/m^3	29.9 μg/m^3
1-hour TSP	AMS4N	15 μg/m^3	49 μg/m^3	31.8 μg/m^3
Construction Noise				
Leq(30min)	NMS1N	64.6 dB(A)	67.2 dB(A)	66.3 dB(A)
Leq(30min)	NMS2N1	57.6 dB(A)	59.8 dB(A)	59.1 dB(A)
Leq(30min)	NMS3N	58.6 dB(A)	60.6 dB(A)	59.7 dB(A)
Leq(30min)	NMS4N	49.2 dB(A)	59.0 dB(A)	55.8 dB(A)

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

Other Influencing Factors of the Monitoring Results

Air quality monitoring

4.2 Major emission sources during air quality monitoring in the reporting quarter were mainly vehicle emission from Po Toi O Chuen Road and nearby residents' activities.

Noise monitoring

4.3 Major noise sources during noise monitoring in the reporting quarter were mainly road traffic noise.

Water quality monitoring

4.4 For the baseline water quality monitoring during operation phase, frequency of 2 days per month were carried out from July, conducted on 5th & 19th September, 10th & 24th October, 7th & 21st November.

Monitoring Exceedances

4.5 Summary of the exceedances in the reporting quarter is tabulated in **Table 4-2** and **Table 4-3**.

Table 4-2 Exceedance Summary for Air and Noise Monitoring

Monitoring Station	Parameter	No. of Exceedance		Action Taken
		Action Level	Limit Level	
Air Quality				
AMS1N	24-hour TSP	0	0	N/A
AMS2N1	24-hour TSP	0	0	N/A
AMS3N	24-hour TSP	0	0	N/A
AMS4N	24-hour TSP	0	0	N/A
AMS1N	1-hour TSP	0	0	N/A
AMS2N1	1-hour TSP	0	0	N/A
AMS3N	1-hour TSP	0	0	N/A

AMS4N	1-hour TSP	0	0	N/A
Construction Noise				
NMS1N	Leq(30min)	0	0	N/A
NMS2N1	Leq(30min)	0	0	N/A
NMS3N	Leq(30min)	0	0	N/A
NMS4N	Leq(30min)	0	0	N/A

1-hour TSP Monitoring

4.6 All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No action/ limit level exceedance was recorded.

24-hour TSP Monitoring

4.7 All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No action/ limit level exceedance was recorded.

Construction Noise Monitoring

4.8 All construction noise monitoring was conducted as scheduled in the reporting quarter. No action/ limit level exceedance was recorded.

5. WASTE MANAGEMENT

5.1 As advised by the Contractor, 52.21 m^3 of inert C&D material was generated and disposal to Tseung Kwan O Area 137 Fill Bank (TKO137FB) in the reporting quarter. For C&D wastes, 14.5 tonnes of general refuse was disposed of at NENT landfill, 0 kg waste were collected by recycling contractors, and 0 kg of chemical wastes was collected by licensed Contractors in the reporting quarter.

5.2 The detailed Summary of waste flow is show in **Appendix H**.

6. ENVIRONMENTAL NON-CONFORMANCE

6.1 For this reporting quarter, no environmental complaint was received.

6.2 No non-compliance and environmental related prosecution or notification of summons was received. There was no breach of Action or Limit Levels for Air Quality and Noise monitoring in the reporting quarter. Exceedance of suspended solids (SS) were recorded, investigated and no project related exceedances were identified.

6.3 Statistics on complaints, notifications of summons, successful prosecutions and public engagement activities are summarized in **Appendix I**.

7. COMMENTS, RECOMMENDATIONS AND CONCLUSION

Comments

7.1 Based on the observations made during site audits and construction dust and noise monitoring results, no non-compliances and exceedances of air quality and noise limits were recorded. Water quality exceedances were recorded and investigated and no project related exceedances were recorded.

Recommendations

7.2 Reviewing the implementation of the recommended mitigation measures in the EM&A Manual, it was observed that they were effective and efficient in controlling the potential impacts due to construction of the project during the reporting quarterly. Review of the effectiveness and efficiency of the EM&A programme will continue, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

Conclusion

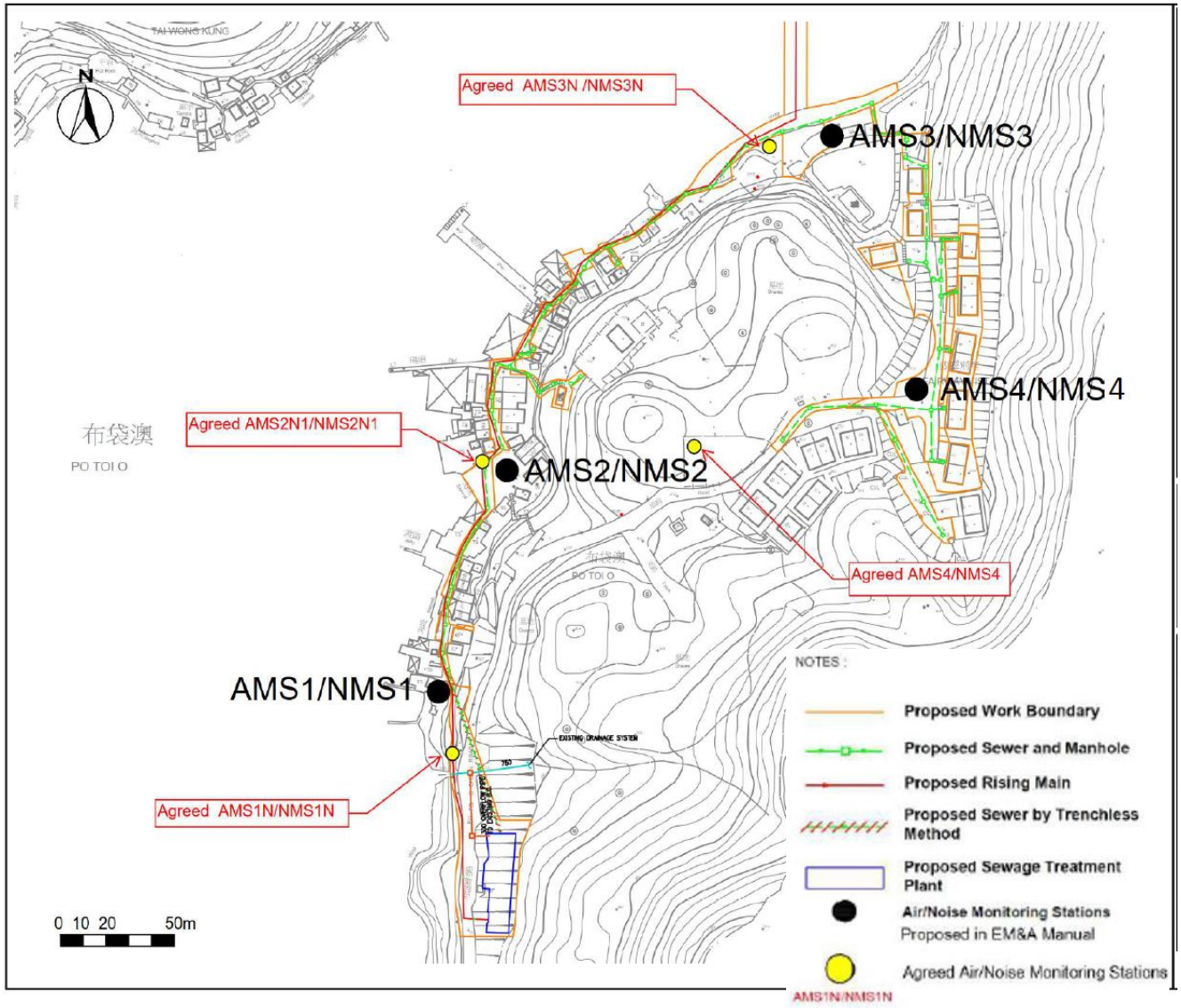
7.3 The EM&A programme as recommended in the EM&A Manual has been undertaken since the construction works of Port Shelter Sewerage, Stage 3 – Sewerage works at Po Toi O works commenced on 1 March 2021.

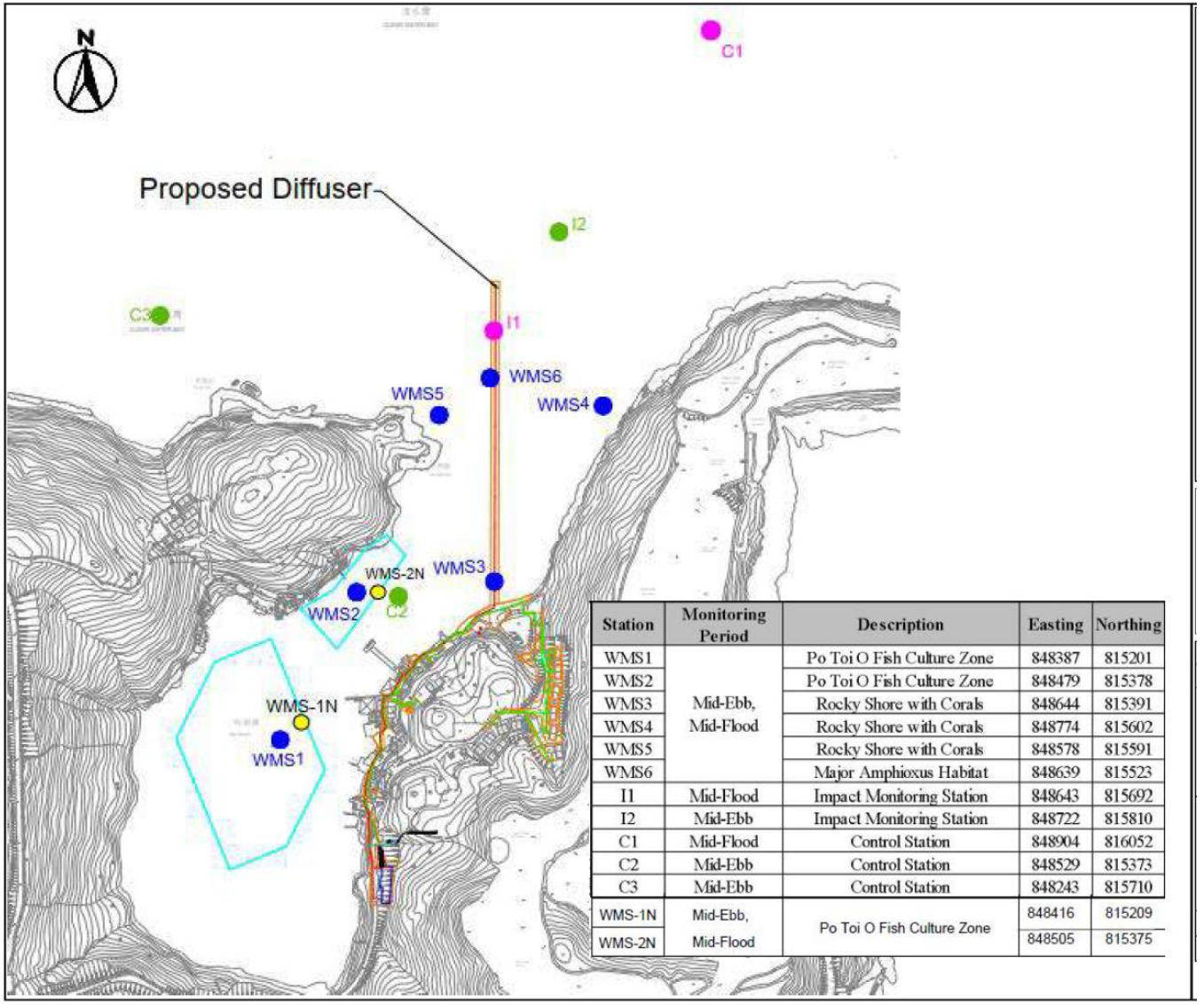
7.4 Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP, noise level (as Leq, 30 minutes). There was no breach of Action and Limit Levels for 1-hour TSP, 24-hour TSP and noise monitoring in the reporting quarter.

7.5 No complaint was received during the reporting quarter.

7.6 No notifications of summons or successful prosecution were received during the reporting quarter.

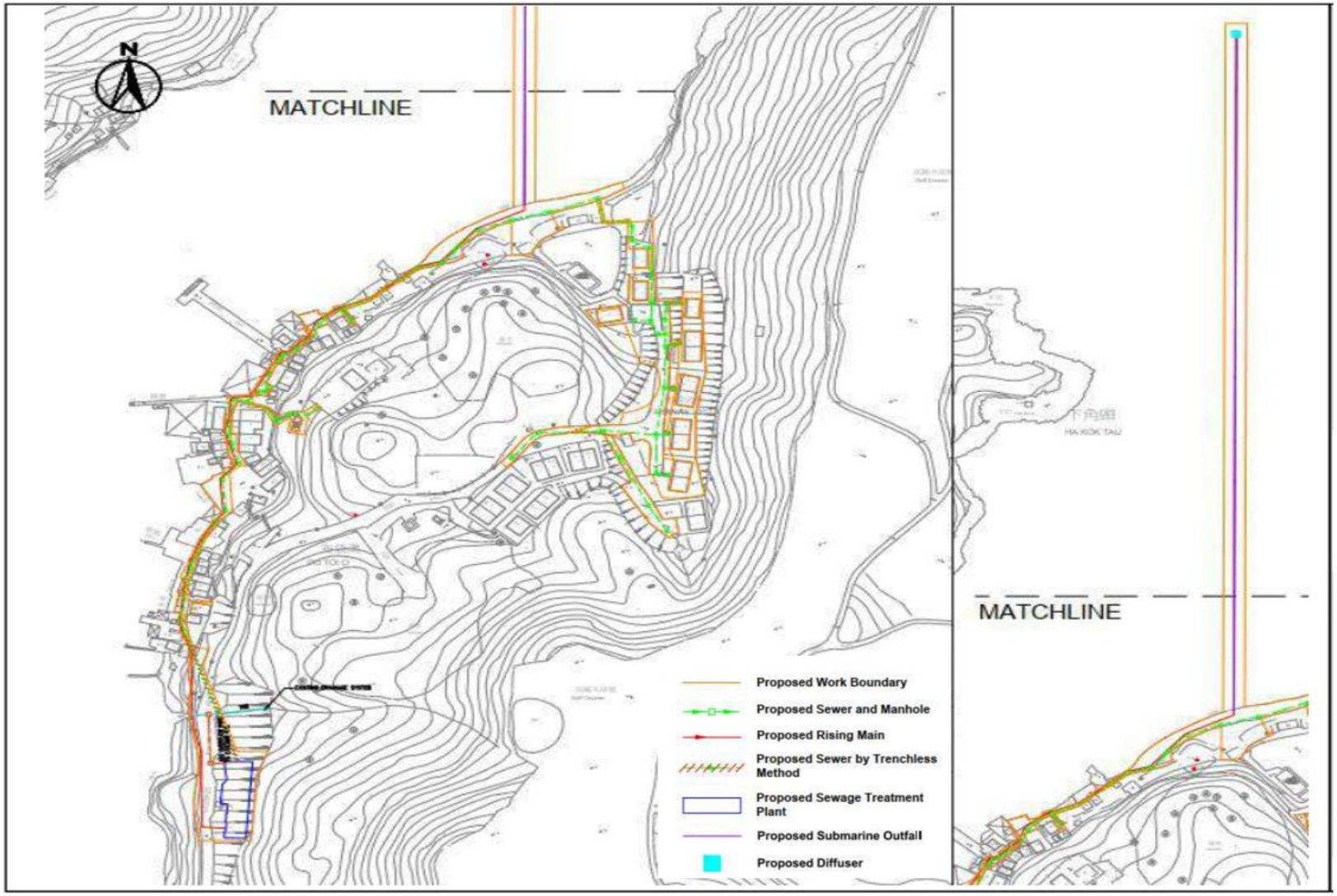
APPENDIX A - LOCATION OF THE MONITORINGAND CONTROL STATIONS


Agreed AMS3N /NMS3N
AMS3/NMS3
AMS4/NMS4
Agreed AMS2N1/NMS2N1
布袋澳
PO TOI O
AMS2/NMS2
Agreed AMS4/NMS4
AMS1/NMS1
Agreed AMS1N/NMS1N
0 10 20 50m
NOTES :
Proposed Work Boundary
Proposed Sewer and Manhole
Proposed Rising Main
Proposed Sewer by Trenchless Method
Proposed Sewage Treatment Plant
Air/Noise Monitoring Stations Proposed in EM&A Manual
Agreed Air/Noise Monitoring Stations
AMS1N/NMS1N

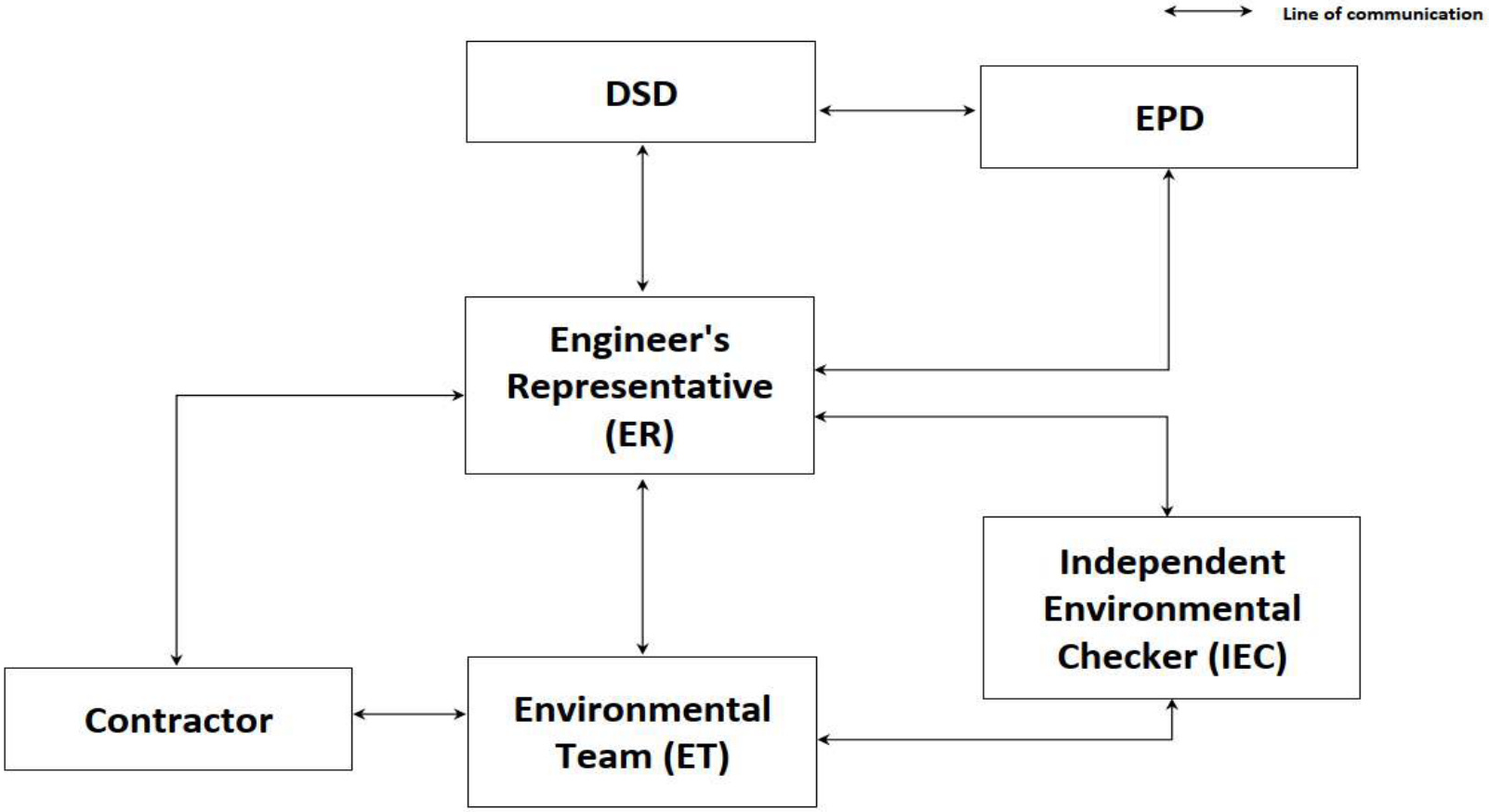


Station	Monitoring Period	Description	Easting	Northing
WMS1	Mid-Ebb, Mid-Flood	Po Toi O Fish Culture Zone	848387	815201
WMS2		Po Toi O Fish Culture Zone	848479	815378
WMS3		Rocky Shore with Corals	848644	815391
WMS4		Rocky Shore with Corals	848774	815602
WMS5		Rocky Shore with Corals	848578	815591
WMS6		Major Amphioxus Habitat	848639	815523
I1	Mid-Flood	Impact Monitoring Station	848643	815692
I2	Mid-Ebb	Impact Monitoring Station	848722	815810
C1	Mid-Flood	Control Station	848904	816052
C2	Mid-Ebb	Control Station	848529	815373
C3	Mid-Ebb	Control Station	848243	815710
WMS-1N	Mid-Ebb, Mid-Flood	Po Toi O Fish Culture Zone	848416	815209
WMS-2N			848505	815375

APPENDIX B - LAYOUT PLAN OF PROJECT AREA


N
MATCHLINE
MATCHLINE
Proposed Work Boundary
Proposed Sewer and Manhole
Proposed Rising Main
Proposed Sewer by Trenchless Method
Proposed Sewage Treatment Plant
Proposed Submarine Outfall
Proposed Diffuser

APPENDIX C - PROJECT ORGANIZATION CHART & CONTACT INFORMATION OF KEY PERSONNEL

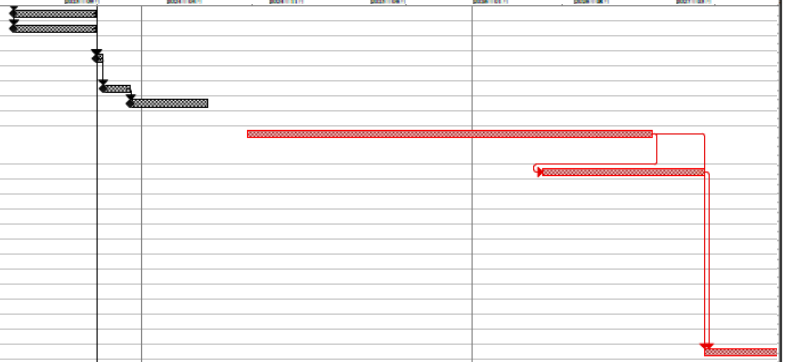

Line of communication
DSD
EPD
Engineer's Representative (ER)
Independent Environmental Checker (IEC)
Contractor
Environmental Team (ET)

Position	Party	Name	Telephone
Project Proponent	Drainage Services Department (DSD)	Mr. Gary Chung	2594 7227
Senior Resident Engineer (SRE)	Binnies Hong Kong Limited (Binnies)	Mr. Eugene Chan	6392 3809
Independent Environmental Checker (IEC)	Aurecon Hong Kong Limited (Aurecon)	Dr. F.C. Tsang	2698 8060
Environmental Team (ET)	Société Générale de Surveillance (SGS) Hong Kong Limited	Mr. Johnathan Ho	9236 5528
Environmental Officer	China Geo-engineering Corporation (CGC)	Mr. Alex Chow	5918 9179
Hotline Telephone Number			6902 2820

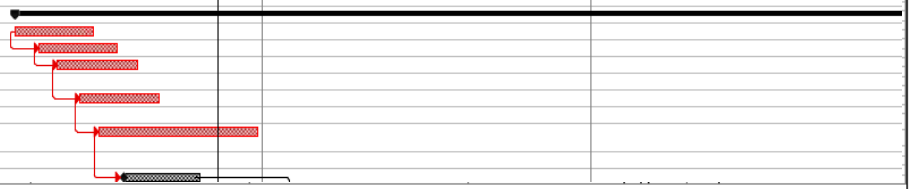
APPENDIX D – CONSTRUCTION WORK PROGRAMM

标识号	Task Name	Duration	Starting Date	Percentage of Completion	Completion Date	TKA	前置任务
530	**Po Tai O Sewage Treatment Plant (PTOSTP)**	**1737 days**	**2020年07月24日**	**0%**	**2025年05月30日**		
531							
532	Liaise with the village representative works to ensure the possession of construction site	75 days	2020年07月24日	0%	2020年10月21日		
533	Preparation works (i.e. TMLG meetings, Application for traffic advice for suspension of existing car park, etc.)	281 days	2020年07月24日	0%	2021年04月29日		
534	Air, Noise, and Water monitoring and submissions to the EPD	281 days	2020年07月24日	0%	2021年04月29日		
535	Possession of site (Access Date: 22nd October 2020)	1 day	2020年10月22日	0%	2020年10月22日		532
536	Installation of site hoardings at PTOSTP	50 days	2020年10月23日	0%	2020年12月21日		535
537	Mobilisation of plant and equipment	10 days	2020年12月22日	0%	2021年01月[illegible]		536

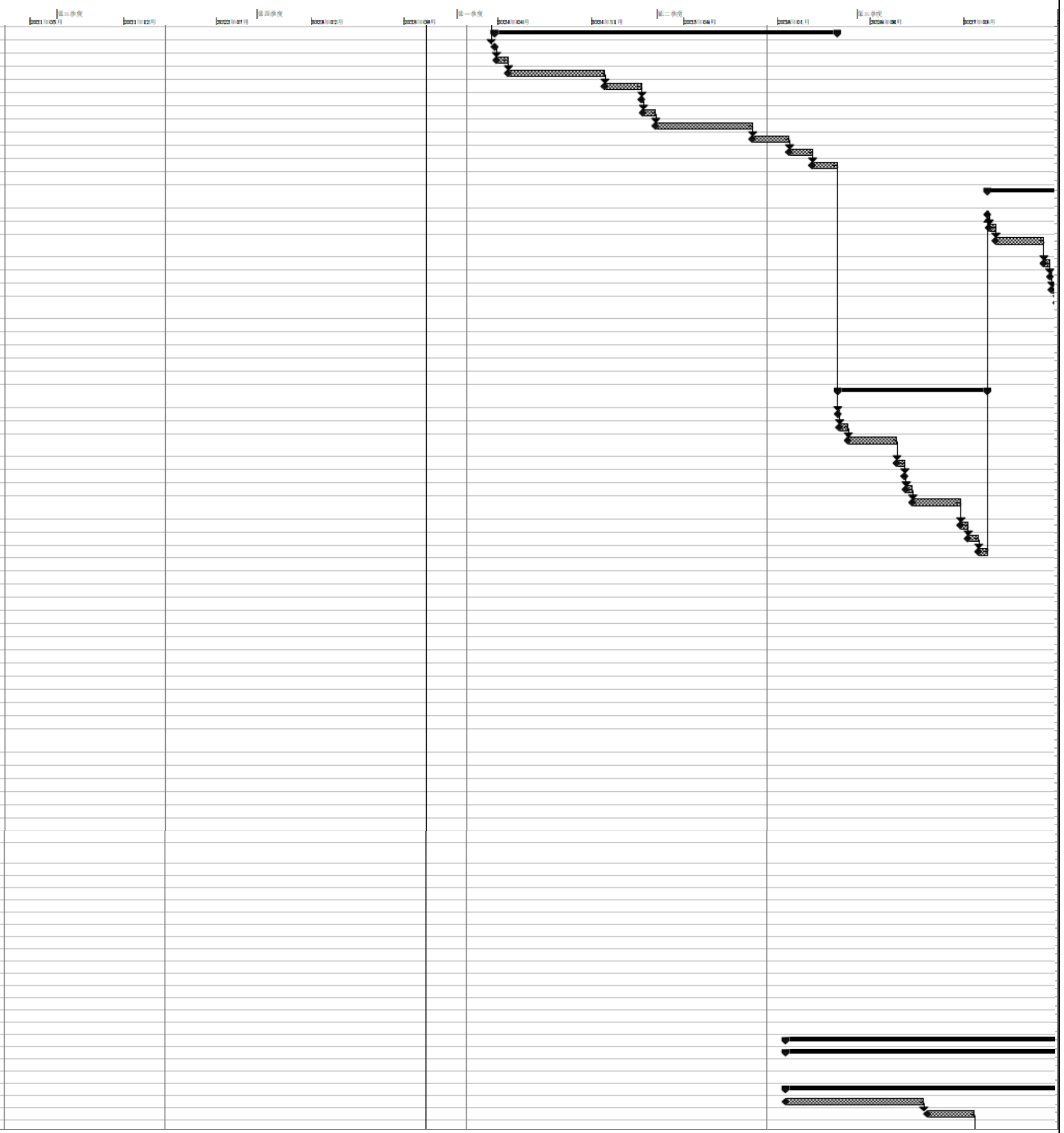
	Task Name	Duration	Starting Date	% of complete	Completion Date	TMA	前置任务	
538	Site clearance	95 days	2021年01月6日	0%	2021年04月29日		537	
539	Initial survey, UU detection and permit-to-dig	95 days	2021年01月6日	0%	2021年04月29日		537	
540								
541	Preparation for geotechnical submissions (topographic survey)	7 days	2021年04月30日	0%	2021年05月8日		538,539,533,53	
542								
543	Liaison work with Po Toi O Villagers due to Feng Shui	30 days	2021年05月10日	0%	2021年06月15日		541	
544	Pending EPD's Endorsement of Detailed Landscape Plan	90 days	2021年06月16日	0%	2021年09月30日		543	
545								
546	Slope curting (Total 2850 m3 solid materials to be removed, i.e. about 4275 m3 loosen materials. 25m3 loosen materials to be removed per day, i.e. 4-5 trips of dumping per day); Geologist inspection and rock joint mapping	450 days	2021年11月25日	0%	2023年06月5日			
547	Installation of rock dowl (include drilling, rebar installation and grouting, etc.)	180 days	2023年01月6日	0%	2023年08月16日		546FS-120 day	
548	Installation of working platform for survey	21 days	2024年10月7日	0%	2024年10月31日			
549	Tree survey & topo survey	14 days	2024年11月1日	0%	2024年11月16日		548	
550	Unforseen graveyard on PTO slope	1 day	2024年11月18日	0%	2024年11月18日		549	
551	Design for flexible barriers	125 days	2024年11月19日	0%	2025年04月24日		550	
552	Confirmation with village representative for the alignment of flexible barrier	1 day	2025年04月25日	0%	2025年04月25日		551	
553	Material ordering, method statement material testing and submission and ICE	105 days	2025年04月26日	0%	2025年08月30日		552	
554	Erection of working platform and anchor point for working at Height	21 days	2025年09月1日	0%	2025年09月24日		553	
555	Construction of base anchors, pull-out test and anchor head	30 days	2025年09月25日	0%	2025年11月1日		554	
556	Erection of pole	14 days	2025年11月3日	0%	2025年11月18日		555	
557	Installation of flexible barriers	14 days	2025年11月19日	0%	2025年12月4日		556	
558	Construction of maintenance access	70 days	2025年12月5日	0%	2026年03月3日		557	
559	Installation of ELS	150 days	2023年08月17日	0%	2024年02月17日		546,547	
560	Excavation from +13.25 Mpd to -1.20 Mpd (Total 2150 m3 solid materials to be removed, i.e. about 3225m3 loosen materials. 25m3 loosen materials to be removed per day, i.e. 4-5 trips of dumping per day)	292 days	2024年02月19日	0%	2025年02月12日		559	
561								
562	**Construction of EQ Tank and Wet Well**	**96 days**	**2025年02月13日**	**0%**	**2025年06月12日**			
563	**I (-2.57 to -0.35mPD)**	**30 days**	**2025年02月13日**	**0%**	**2025年03月19日**			
564	Erection of formwork	4 days	2025年02月13日	0%	2025年02月17日		560	
565	Rebar fixing	6 days	2025年02月18日	0%	2025年02月24日		564	
566	Preparation works for concreting	5 days	2025年02月25日	0%	2025年03月1日		565	
567	Close up formwork	4 days	2025年03月3日	0%	2025年03月6日		566	
568	Concreting	1 day	2025年03月7日	0%	2025年03月7日		567	
569	Exact formwork	3 days	2025年03月8日	0%	2025年03月11日		568	
570	Curing	7 days	2025年03月12日	0%	2025年03月19日		569	
571	**II (-0.35 to +2.23mPD)**	**25 days**	**2025年03月8日**	**0%**	**2025年04月7日**			
572	Erection of formwork	4 days	2025年03月8日	0%	2025年03月12日		568	
573	Rebar fixing	3 days	2025年03月13日	0%	2025年03月15日		572	
574	Preparation works for concreting	4 days	2025年03月17日	0%	2025年03月20日		573	
575	Close up formwork	3 days	2025年03月21日	0%	2025年03月24日		574	
576	Concreting	1 day	2025年03月25日	0%	2025年03月25日		575	
577	Exact formwork	3 days	2025年03月26日	0%	2025年03月28日		576	
578	Curing	7 days	2025年03月29日	0%	2025年04月7日		577	
579	**III (+2.23 to +5.65mPD)**	**34 days**	**2025年02月18日**	**0%**	**2025年03月28日**			
580	Erection of formwork III (+2.23 to +5.98mPD)	5 days	2025年02月18日	0%	2025年02月22日		564	
581	Rebar fixing	6 days	2025年02月24日	0%	2025年03月1日		580	
582	Preparation works for concreting	6 days	2025年03月3日	0%	2025年03月8日		581	
583	Close up formwork	6 days	2025年03月10日	0%	2025年03月15日		582	
584	Concreting	1 day	2025年03月17日	0%	2025年03月17日		583	
585	Remove formwork	3 days	2025年03月18日	0%	2025年03月20日		584	
586	Curing	7 days	2025年03月21日	0%	2025年03月28日		585	
587	**IV EQ Tank(+2.26 to +5.65mPD)**	**23 days**	**2025年03月3日**	**0%**	**2025年03月28日**			
588	Erection of formwork	4 days	2025年03月3日	0%	2025年03月6日		581	
589	Rebar fixing	3 days	2025年03月7日	0%	2025年03月10日		588	
590	Preparation works for concreting	3 days	2025年03月11日	0%	2025年03月13日		589	
591	Close up formwork	2 days	2025年03月14日	0%	2025年03月15日		590	
592	Concreting	1 day	2025年03月17日	0%	2025年03月17日		591	
593	Exact formwork	3 days	2025年03月18日	0%	2025年03月20日		592	
594	Curing	7 days	2025年03月21日	0%	2025年03月28日		593	
595	Water Test	14 days	2025年05月10日	0%	2025年05月26日		606	
596	Waterproof	14 days	2025年05月27日	0%	2025年06月12日		595	
598	**Construction of Basement**	**113 days**	**2025年02月13日**	**0%**	**2025年07月3日**			
599	**V Basement Slab (+5.65 to +7.23mPD)**	**40 days**	**2025年03月18日**	**0%**	**2025年05月9日**			
600	**Erection of formwork**	**7 days**	**2025年03月18日**	**0%**	**2025年03月25日**		**592**	
601	**Rebar fixing**	**7 days**	**2025年03月26日**	**0%**	**2025年04月2日**		**600**	
602	**Preparation works for concreting**	**7 days**	**2025年04月3日**	**0%**	**2025年04月11日**		**601**	
603	**Close up formwork**	**6 days**	**2025年04月12日**	**0%**	**2025年04月22日**		**602**	
604	**Concreting**	**1 day**	**2025年04月23日**	**0%**	**2025年04月23日**		**603**	
605	**Exact formwork**	**5 days**	**2025年04月24日**	**0%**	**2025年04月29日**		**604**	
606	**Curing**	**7 days**	**2025年04月30日**	**0%**	**2025年05月9日**		**605**	
607	**VI Basement Wall (+7.23 to +9.18mPD)**	**31 days**	**2025年04月24日**	**0%**	**2025年06月2日**			
608	**Erection of formwork**	**5 days**	**2025年04月24日**	**0%**	**2025年04月29日**		**604**	
609	**Rebar fixing**	**5 days**	**2025年04月30日**	**0%**	**2025年05月7日**		**608**	
610	**Preparation works for concreting**	**4 days**	**2025年05月8日**	**0%**	**2025年05月12日**		**609**	
611	**Close up formwork**	**4 days**	**2025年05月13日**	**0%**	**2025年05月16日**		**610**	
612	**Concreting**	**1 day**	**2025年05月17日**	**0%**	**2025年05月17日**		**611**	
613	**Exact formwork**	**5 days**	**2025年05月19日**	**0%**	**2025年05月23日**		**612**	
614	**Curing**	**7 days**	**2025年05月24日**	**0%**	**2025年06月2日**		**613**	
615	**Excvation of ground floor slab Grid 1 to Grid 3**	**30 days**	**2025年02月13日**	**0%**	**2025年03月19日**		**560**	



	Task Name	Duration	Starting Date	% of work complete	Completion Date	TBA	前置任务	Predecessors
616	**VII Basement Wall & Ground floor slab (+9.18 to +12.18mPD)**	**38 days**	**2025年05月19日**	**0%**	**2025年07月3日**			
617	Erection of formwork	5 days	2025年05月19日	0%	2025年05月23日		612	
618	Rebar fixing	5 days	2025年05月24日	0%	2025年05月29日		617	
619	Preparation works for concreting	4 days	2025年05月30日	0%	2025年06月4日		618	
620	Delivery plant, material to installation of deodorisation tank	1 day	2025年06月5日	0%	2025年06月5日		619	
621	Close up formwork	10 days	2025年06月6日	0%	2025年06月17日		620	
622	Concreting	1 day	2025年06月18日	0%	2025年06月18日		621	
623	Exact formwork	3 days	2025年06月19日	0%	2025年06月21日		622	
624	Curing	12 days	2025年06月19日	0%	2025年07月3日		622	
625								
626	**Construction of R.C. walls at 1st Floor**	**21 days**	**2025年06月19日**	**0%**	**2025年07月14日**			
627	**VIII (+12.18 to +16.36mPD)**	**21 days**	**2025年06月19日**	**0%**	**2025年07月14日**			
628	Erection of formwork	4 days	2025年06月19日	0%	2025年06月23日		622	
629	Rebar fixing	4 days	2025年06月24日	0%	2025年06月27日		628	
630	Preparation works for concreting	3 days	2025年06月28日	0%	2025年07月2日		629	
631	Close up formwork	3 days	2025年07月3日	0%	2025年07月5日		630	
632	Concreting	1 day	2025年07月7日	0%	2025年07月7日		631	
633	Exact formwork	5 days	2025年07月8日	0%	2025年07月12日		632	
634	Curing	6 days	2025年07月8日	0%	2025年07月14日		632	
635	**Construction of rooftop (above + 16.36 mPD)**	**39 days**	**2025年07月8日**	**0%**	**2025年08月21日**			
636	Erection of formwork	5 days	2025年07月8日	0%	2025年07月12日		632	
637	Rebar fixing	5 days	2025年07月14日	0%	2025年07月18日		636	
638	Preparation works for concreting	5 days	2025年07月19日	0%	2025年07月24日		637	
639	Close up formwork	5 days	2025年07月25日	0%	2025年07月30日		638	
640	Concreting	1 day	2025年07月31日	0%	2025年07月31日		639	
641	Exact formwork	4 days	2025年08月1日	0%	2025年08月5日		640	
642	Curing	12 days	2025年07月31日	0%	2025年08月13日		639	
643	Temp work removal	7 days	2025年08月14日	0%	2025年08月21日		642	
644	**Water Test**	**59 days**	**2025年06月16日**	**0%**	**2025年08月23日**			
645	Water test 1	15 days	2025年06月16日	0%	2025年07月3日			
646	Water test 2	15 days	2025年07月4日	0%	2025年07月21日		645	
647	Water test 3	15 days	2025年07月22日	0%	2025年08月7日		646	
648	Dewatering &Falsework removal	14 days	2025年08月8日	0%	2025年08月23日		647	
649	External Finishes	90 days	2025年08月22日	0%	2025年12月8日		643	
650	**Internal Finishes (incl. installation of Door & Window etc)**	**60 days**	**2025年08月22日**	**0%**	**2025年11月3日**		**643**	
651	Waterproof for tank	14 days	2025年08月22日	0%	2025年09月6日		927	
652	Waterproof for roof	30 days	2025年08月22日	0%	2025年09月25日			
653	Screeding for basement	7 days	2025年09月15日	0%	2025年09月22日		657	
654	Screeding for ground floor	7 days	2025年09月23日	0%	2025年09月30日		653	
655	Screeding for roof	7 days	2025年09月26日	0%	2025年10月4日		652	
656	Louver, door and roller shutter installation	60 days	2025年08月22日	0%	2025年11月3日			
657	FRP cover installation	20 days	2025年08月22日	0%	2025年09月13日			
658	**other associated works**	**312 days**	**2025年03月26日**	**0%**	**2026年04月17日**			
659	Drainage works	60 days	2025年08月1日	0%	2025年10月11日		640	
660	Construction of rising main by open trench method	60 days	2025年03月26日	0%	2025年06月11日		576	
661	Temp. Relocation of RCP	15 days	2025年07月14日	0%	2025年07月30日			
662	Boundary Wall	60 days	2025年10月13日	0%	2025年12月22日		659	
663	Slope of U channel	60 days	2025年06月19日	0%	2025年08月28日		622	
664	Roadworks & U-Channel	90 days	2025年12月23日	0%	2026年04月17日		662	
665	Permanent Relocation of RCP	30 days	2026年02月26日	0%	2026年04月1日		664SS+50 days	
666	**E&M works for site access date**	**54 days**	**2025年06月23日**	**0%**	**2025年08月25日**			
667	Basement	1 day	2025年06月23日	0%	2025年06月23日		623	
668	Ground Floor	1 day	2025年07月29日	0%	2025年07月29日			
669	Water Tank	1 day	2025年08月25日	0%	2025年08月25日		648	
670	**Utilities**	**368 days**	**2025年01月25日**	**0%**	**2026年04月27日**			
671	Telecommunication	198 days	2025年06月6日	0%	2026年01月30日			
672	Electricity Supply (CLP)	287 days	2025年01月25日	0%	2026年01月14日			
673	Water Supply	178 days	2025年06月9日	0%	2026年01月9日			
674	Fire Service	120 days	2025年11月27日	0%	2026年04月27日			
675	Material Delivery to Site	135 days	2025年02月14日	0%	2025年07月30日			
676	**Installation (300 days)**	**226 days**	**2025年06月23日**	**0%**	**2026年03月24日**			
677	Installation & Test & commissioning	190 days	2025年06月23日	0%	2026年02月6日		623	
678	System commissioning / MBR process start up	36 days	2026年02月7日	0%	2026年03月24日		677	
679	Plant commissioning (60 days)	52 days	2026年03月25日	0%	2026年05月30日		678	
680								
681								
682								
683								
684	**Construction of PTO Village Sewerage**	**1692 days**	**2020年07月24日**	**0%**	**2026年04月1日**			
685	Liaise with the village representatives	90 days	2020年07月24日	0%	2020年11月9日			
686	Initial survey and photo-taking	90 days	2020年08月26日	0%	2020年12月11日		685SS+28 days	
687	UU Detection and application for permit-to-dig	90 days	2020年09月21日	0%	2021年01月9日		686SS+22 days	
688								
689	Trial pit excavation (Access Date of PTO-B1-01: 22nd Oct 2020)	90 days	2020年10月22日	0%	2021年02月8日		687SS+25 days	
690								
691	Producing Layout plans showing the loction of terminal manholes, timber box and alignment of sewers and other associated preparation works	180 days	2020年11月17日	0%	2021年06月24日		689SS+21 days	
692								
693	Liaison work with PTO Villagers due to Feng Shui	84 days	2020年12月22日	0%	2021年04月5日		691SS+30 days	

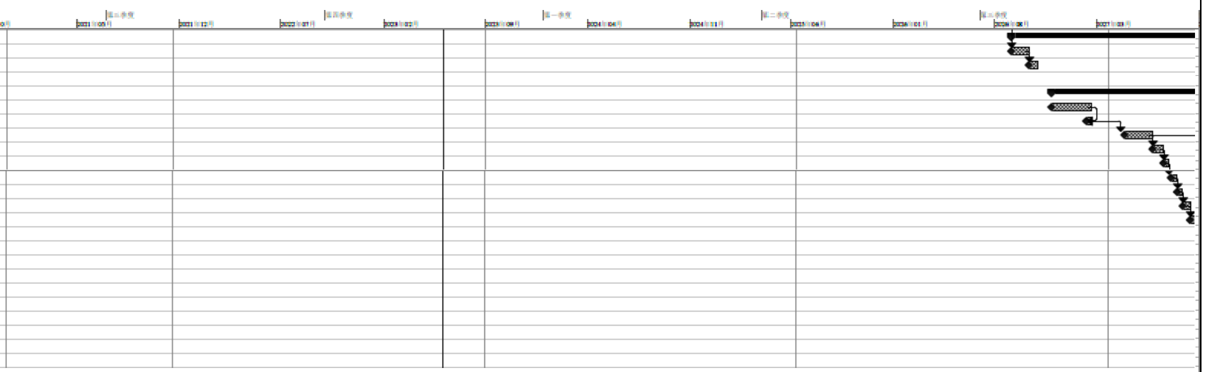


标识号	Task Name	Duration	Starting Date	% of complete	Completion Date	TKA	前置任务
695	**PTO-SW-03 (Open Trench, 25 nos., Length: 360m)**	**424 days**	**2021年08月13日**	**0%**	**2023年01月14日**		
696	Installation of fencing (PTO 001 - PTO 017)	2 days	2021年08月13日	0%	2021年08月14日		693
697	Temporary diversion of existing sewerage	15 days	2021年08月16日	0%	2021年09月1日	4	696
698	Construction of sewer pipe and manhole	120 days	2021年09月2日	0%	2022年01月26日		697
699	Tapping sewer + timber box	45 days	2022年01月27日	0%	2022年03月23日		698
700	Installation of fencing (PTO 018 - PTO 026A)	2 days	2022年03月24日	0%	2022年03月25日		699
701	Temporary diversion of existing sewerage	15 days	2022年03月26日	0%	2022年04月13日	3	700
702	Construction of sewer pipe and manhole	120 days	2022年04月14日	0%	2022年09月7日		701
703	Tapping sewer + timber box	45 days	2022年09月8日	0%	2022年11月2日		702
704	Air testing	30 days	2022年11月3日	0%	2022年12月7日		703
705	Reinstatement Works	30 days	2022年12月8日	0%	2023年01月14日		704
706							
707	**PTO-SW-02 (Trenchless, 15nos. Manhole(145m), and a Section of Rising Main)**	**179 days**	**2023年08月31日**	**0%**	**2024年04月10日**		
708	Installation of fencing (PTO 050 - PTO 057)	2 days	2023年08月31日	0%	2023年09月1日		730
709	Temporary diversion of existing sewerage	8 days	2023年09月2日	0%	2023年09月11日	4	708
710	Construction of sewer pipe, manhole and rising main by open trench (Downstream to Upstream, including chambers for rising main)	60 days	2023年09月12日	0%	2023年11月23日		709
711	Tapping sewer + timber box	8 days	2023年11月24日	0%	2023年12月2日		710
712	Installation of fencing	2 days	2023年12月4日	0%	2023年12月5日		711
713	Temporary diversion of existing sewerage (PTO 058 - PTO 064)	7 days	2023年12月6日	0%	2023年12月13日	3	712
714	Construction of sewer pipe, manhole and rising main by open trench (Downstream to Upstream, including chambers for rising main)	60 days	2023年12月14日	0%	2024年02月28日		713
715	Tapping sewer + timber box	7 days	2024年02月29日	0%	2024年03月7日		714
716	Air testing	13 days	2024年03月8日	0%	2024年03月22日		715
717	Reinstatement Works	12 days	2024年03月23日	0%	2024年04月10日		716
718							
719							
720	**PTO-SW-01 (Trenchless, 19 nos. manholes (170m), and rising main(CH2+53.81 - CH4+36.66)**	**184 days**	**2023年01月16日**	**0%**	**2023年08月30日**		
721	Installation of fencing (PTO 032 - PTO 040)	2 days	2023年01月16日	0%	2023年01月17日		705
722	Temporary diversion of existing sewerage	8 days	2023年01月18日	0%	2023年01月30日	4	721
723	Construction of sewer pipe, manhole and rising main by open trench (Downstream to Upstream, including chambers for rising main)	60 days	2023年01月31日	0%	2023年04月14日		722
724	Tapping sewer + timber box	10 days	2023年04月15日	0%	2023年04月26日		723
725	Installation of fencing (PTO 041 - PTO 049) - Trenchless	2 days	2023年04月27日	0%	2023年04月28日		724
726	Temporary diversion of existing sewerage	7 days	2023年04月29日	0%	2023年05月8日	3	725
727	Construction of sewer pipe, manhole and rising main by open trench (Downstream to Upstream, including chambers for rising main)	60 days	2023年05月9日	0%	2023年07月20日		726
728	Tapping sewer + timber box	9 days	2023年07月21日	0%	2023年07月31日		727
729	Air testing	14 days	2023年08月1日	0%	2023年08月16日		728
730	Reinstatement Works	12 days	2023年08月17日	0%	2023年08月30日		729
731							
732	**PTO-Trechless-01 (Open Trench, (Length: 75m) and related Rising Main)**	**237 days**	**2024年04月11日**	**0%**	**2025年01月23日**		
733	Installation of fencing (PTO 026A - PTO 028)	2 days	2024年04月11日	0%	2024年04月12日		717
734	Temporary diversion of existing sewerage	5 days	2024年04月13日	0%	2024年04月18日	2	733
735	Excavation of jacking pit and receiving pit	30 days	2024年04月19日	0%	2024年05月25日		734
736	**Construction of sewer pipe by trenchless method**	**71 days**	**2024年05月27日**	**0%**	**2024年08月19日**		**735**
737	Excavation for tunnel	30 days	2024年05月27日	0%	2024年07月2日		
738	Pipe laying	7 days	2024年07月3日	0%	2024年07月10日		737
739	Grouting	4 days	2024年07月11日	0%	2024年07月15日		738
740	Construction of manhole	30 days	2024年07月16日	0%	2024年08月19日		739
741	Installation of fencing (PTO 026A - PTO 028)	2 days	2024年08月20日	0%	2024年08月21日		740
742	Temporary diversion of existing sewerage	5 days	2024年08月22日	0%	2024年08月27日	2	741
743	Excavation of jacking pit and receiving pit	30 days	2024年08月28日	0%	2024年10月3日		742
744	**Construction of sewer pipe and rising main (Downstream to Upstream) by trenchless method**	**73 days**	**2024年10月4日**	**0%**	**2024年12月31日**		**743**
745	Excavation for tunnel	30 days	2024年10月4日	0%	2024年11月8日		
746	Pipe laying	8 days	2024年11月9日	0%	2024年11月18日		745
747	Grouting	5 days	2024年11月19日	0%	2024年11月23日		746
748	Construction of manhole and chambers for rising main	30 days	2024年11月25日	0%	2024年12月31日		747
749	Air testing	7 days	2025年01月2日	0%	2025年01月9日		748
750	Reinstatement Works	12 days	2025年01月10日	0%	2025年01月23日		749
752	**PTO-Trechless-02 (Trenchless, (Length: 100m) and related Rising Main)**	**224 days**	**2025年07月4日**	**0%**	**2026年04月1日**		
753	**Construction of sewer & effuent pipe by trenchless method (PTO063 - 065) 85m**	**224 days**	**2025年07月4日**	**0%**	**2026年04月1日**		
754	Excavation of receiving pit	30 days	2025年08月22日	0%	2025年09月25日		643
755	TBM set up	30 days	2025年07月4日	0%	2025年08月7日		624
756	Trenchless Excavation	50 days	2025年09月26日	0%	2025年11月26日		754
757	Pipe laying	12 days	2025年11月27日	0%	2025年12月10日		756
758	Air testing	1 day	2025年12月11日	0%	2025年12月11日		757
759	Grouting	12 days	2025年12月12日	0%	2025年12月27日		758
760	Construction of manhole (Chambers)	60 days	2025年12月29日	0%	2026年03月12日		759
761	CCTV	5 days	2026年03月13日	0%	2026年03月18日		760
762	Reinstatement Works	12 days	2026年03月19日	0%	2026年04月1日		761
763							
764	**Testing of PTO Village Sewerage**	**73 days**	**2025年12月17日**	**0%**	**2026年03月18日**		
765	CCTV surveying, T&C (Stage 3)	73 days	2025年12月17日	0%	2026年03月18日		761FF
766							
767							
768	**Submarine Outfall by HDD Method with Cofferdam**	**1047 days**	**2022年10月29日**	**0%**	**2026年05月14日**		
769	**Civil Works**	**560 days**	**2022年10月29日**	**0%**	**2024年09月17日**		
770	**Construction of Offshore Cofferdam**	**45 days**	**2024年07月2日**	**0%**	**2024年08月22日**		
771	Installation of sheetpiles and lateral supports	45 days	2024年07月2日	0%	2024年08月22日		783FF
772	**Working Platform**	**560 days**	**2022年10月29日**	**0%**	**2024年09月17日**		
773	Construction of Onshore Working Platform + Mud Pit + Deadman Anchor	168 days	2022年10月29日	0%	2023年05月25日		
774	Complete Diversion of CLP Cable	59 days	2023年06月1日	0%	2023年08月10日		773
775	Dismantling of Onshore Working Platform	75 days	2024年06月21日	0%	2024年09月17日		779



Task | Split | Summary | Milestone | Project Summary

ID	Task Name	Duration	Starting Date	% complete	Completion Date	TSA	Predecessors
776	**Mobilzation And Demobilization**	**254 days**	**2023年08月11日**	**0%**	**2024年06月20日**		
777	Mobiilization of HDD Plant and Machineries to Hong Kong Site	22 days	2023年08月11日	0%	2023年09月5日		774
778	Mobilization of HDD plant and Machinery to Site	11 days	2023年09月6日	0%	2023年09月18日		777
779	Demobilization of HDD Plant And Machinery from Site	14 days	2024年06月4日	0%	2024年06月20日		790
780	**HDD WORKS**	**192 days**	**2023年10月9日**	**0%**	**2024年06月3日**		
781	Plant And Machinery Setting Up	50 days	2023年10月9日	0%	2023年12月6日		
782	Installation of Paratrack Cable	7 days	2023年11月29日	0%	2023年12月6日		781FF
783	Pilot Hole Drilling	32 days	2024年01月24日	0%	2024年03月4日		782
784	Installation Exit Casing - as required	14 days	2024年03月5日	0%	2024年03月20日		783
785	Plug Tunnel At Exit Site	7 days	2024年03月21日	0%	2024年03月28日		784
786	Hole Cleaning - Pass 1	7 days	2024年04月2日	0%	2024年04月10日		785
787	Hole Cleaning - Pass 2	7 days	2024年04月11日	0%	2024年04月18日		786
788	Pipe Pulling @ 48m/day	9 days	2024年04月19日	0%	2024年04月29日		787
789	Pipe Testing	14 days	2024年04月30日	0%	2024年05月17日		788
790	Dismantle	14 days	2024年05月18日	0%	2024年06月3日		789
791	**Construction of Diffuser Manifold**	**335 days**	**2025年03月25日**	**0%**	**2026年05月14日**		
792	VEP application	140 days	2025年03月25日	0%	2025年09月12日		
793	Installation of silt curtain	25 days	2025年09月13日	0%	2025年10月14日		792
794	Dreadging of marine deposit	60 days	2025年10月15日	0%	2025年12月24日		793
795	Installation of diffuser manifold	45 days	2025年12月27日	0%	2026年02月21日		794
796	Reinstatement of the seabed	40 days	2026年02月23日	0%	2026年04月14日		795
797	Installation of Marker Buoy	25 days	2026年04月15日	0%	2026年05月14日		796
798							
799							



APPENDIX E - IMPLETEMENTATION OF RECOMMENDED MITGATION MEASURES

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Air Quality Impact	A10	Good housekeeping to minimize dust generation, e.g. by properly handling and storing dusty materials.	✓	✓	✓
	A11	Adopt dust control measures, such as dust suppression using water spray on exposed soil at least 4 times a day, in areas with dusty construction activities and during material handling.	✓	✓	✓
	A12	Store cement bags in shelter with 3 sides and the top covered by impervious materials if the stack exceeds 20 bags.	N/A	N/A	N/A
	A13	Maintain a reasonable height when dropping excavated materials to limit dust generation.	N/A	N/A	N/A
	A14	Limit vehicle speed within construction site and in Po Toi O to 10km/hr and confine vehicle movement in haul road.	✓	✓	✓
	A15	Minimize exposed earth after completion of work in a certain area by hydroseeding, vegetating, soil compacting or covering with bitumen.	✓	✓	✓
	A16	Provide wheel washing at construction site exit to clean the vehicle body and wheel.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Air Quality Impact	A17	Cover materials on trucks before leaving the construction site to prevent debris from dropping during traffic movement or being blown away by wind	✓	✓	✓
	A18	Regular maintenance of plant equipment to prevent black smoke Emission.	✓	✓	✓
	A19	Throttle down or switch off unused machines or machine in intermittent use	✓	✓	✓
	A20	Minimize excavation area as far as possible.	✓	✓	✓
	A21	Store odorous excavated materials in covered containers and remove off-site as soon as possible within 24 hours.	✓	✓	✓
	A22	Cover open stockpiles of construction materials (e.g. aggregates, sand and fill materials) with impermeable materials such as tarpaulin during rainstorms.	✓	✓	✓
	A23	Hoarding of not less than 2.4 m high shall be erected from ground level to surround the construction site for sewage treatment plant along Po Toi O Chuen Road except for a construction site entrance or exit.	N/A	N/A	N/A
	A24	Carry out air quality monitoring throughout the construction period	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Noise Impact	N1	Use hand-held plant equipment or manual equipment within village area.	✓	✓	✓
	N2	For HDD, enclose the stationary plant equipment on three sides with cover. Only the side facing the sea shall be opened for heat exhaustion.	N/A	N/A	N/A
	N3	Generator should be placed at a fixed location at least 5-6m away from the NSRs and screened by noise barrier whenever excavation work must be carried out at their front doors.	✓	✓	✓
	N4	Avoid carrying out noisy activities at the same time. The work front of village sewer installation near NSRs PTO_N1 and PTO_N3 shall not be conducted concurrently with installation of Po Toi O Chuen Road sewer and horizontal directional drilling respectively.	✓	✓	✓
	N5	Vibratory poker shall only be operated 4m away from NSR and with noise barrier properly erected. Surfacing work within 4m from NSR shall be carried out by manual method.	✓	✓	✓
	N6	Schedule noisy activities to minimize exposure of nearby NSRs to high levels of construction noise.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Noise Impact	N7	Use Quality Powered Mechanical Equipment (QPME) which produces lower noise level.	✓	✓	✓
	N8	Erect 3m high mobile barriers with skid footing and a small cantilevered upper portion within a few meters of stationary plants and within about 5m of more mobile plant.	✓	✓	✓
	N9	Hand-held breaker shall be fitted with mufflers. A movable enclosure made up of plywood is proposed to surround both worker and breaker during breaking process. The internal wall of the enclosure should be laid with sound absorbent such as mineral wool.	✓	✓	✓
	N10	Regular maintenance of plant equipment to prevent noise emission due to impair.	✓	✓	✓
	N11	Position mobile noisy equipment in location and direction away from NSR.	✓	✓	✓
	N12	Use silencer or muffler on plant equipment and should be properly maintained.	✓	✓	✓
	N13	Throttle down or switch off unused machines or machine in intermittent use between work.	✓	✓	✓
	N14	Make good use of stockpiles or other structures for noise screening.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Noise Impact	N15	Mobile plant should be sited as far away from NSRs as possible	✓	✓	✓
	N16	Reduce the percentage on-time for some noisy PMEs	✓	✓	✓
	N17	Carry out noise monitoring	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Water Quality Impact	W1	Divert the water from outfall of W3 (stream near Fairway Vista) during open cut excavation for laying of gravity sewer nearby.	✓	✓	✓
	W2	Place sandbag along the upstream section of the stream near Fairway Vista and along rocky shore during open cut excavation for laying of gravity sewers/rising mains nearby.	✓	✓	✓
	W3	Intercept the water from u-channel at the foot of the slope where the STP will be built.	✓	✓	✓
	W4	Install cofferdam around the proposed excavation area for entry pit of HDD work to prevent falling of debris into the sea	N/A	N/A	N/A
	W5	Install sheet piles in Junine waters by vibratory action.	N/A	N/A	N/A
	W6	Junine works (dredging, construction and installation works at diffuser location, backfilling) shall be carried out inside the watertight cofferdam. The cofferdam can only be removed after completion of work.	N/A	N/A	N/A
	W7	Dredging should be carried out by grab dredgers anchored outside the cofferdam. The Junine sediment should be placed in sealed compartment of the Junine barge.	N/A	N/A	N/A
	W8	Water removed from the cofferdam should be desilted before discharge back into the sea.	N/A	N/A	N/A

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Water Quality Impact	W9	Carry out water quality monitoring at water sensitive receivers before and during cofferdam installation works, throughout dredging works, and during cofferdam extraction works.	N/A	N/A	N/A
	W12	Set up sedimentation tank for settling suspended solids in wastewater before discharge into storm drains. Sand/silt removal facilities such as sand traps, silt traps and sedimentation basin should be provided with adequate capacity.	Obs.	✓	✓
	W13	Follow ProPECC PN 1/94 "Construction Site Drainage" as far as practicable	✓	✓	✓
	W14	Construct catchpits and perimeter channels prior to commencement of site formation works and earthworks	✓	✓	✓
	W15	Maintain silt removal facilities, channels, manholes before and after rainstorm.	✓	✓	✓
	W16	Remove silt and grit from silt trap at regular interval.	✓	✓	✓
	W17	Well design works program to minimize the work areas to minimize the soil exposure and site runoff.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Water Quality Impact	W18	Arrange soil excavation works outside rainy seasons (April to December) as far as possible. If this cannot be achieved, the following measures should be implemented:	✓	✓	✓
		Cover temporary exposed slope surfaces with impermeable materials, e.g. tarpaulin.	✓	✓	✓
		Protect temporary access roads by crushed stone or gravel.	✓	✓	✓
		Provide intercepting channels along crest/edge of excavation.	✓	✓	✓
	W19	Minimize exposed earth after completion of work in a certain area by hydroseeding, vegetating, soil compacting or covering with bitumen.	✓	✓	✓
	W20	Prevent rainwater from entering trenches. Excavation of trenches should be dug and backfilled in short sections during rainy seasons. Remove silt in rainwater collected from the trenches or foundation excavations prior to discharge to storm drains.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Water Quality Impact	W21	Cover open stockpiles of construction materials (e.g. aggregates, sand and fill materials) with impermeable materials such as tarpaulin during rainstorms.	Rem.	Rem.	✓
	W22	Cover and temporary seal manholes to prevent silt, construction materials or debris and surface runoff from entering foul sewers.	✓	✓	✓
	W23	Remove waste from the construction site regularly.	✓	✓	✓
	W24	Apply discharge license for effluent discharge. Treat the discharge to comply with the requirement in TM-DSS.	✓	✓	✓
	W25	Reuse treated effluent onsite, e.g. dust suppression, wheel washing and general cleaning.	✓	✓	✓
	W26	Monitor effluent water quality.	✓	✓	✓
	W27	Register as chemical waste producer if chemical waste will be generated.	✓	✓	✓
	W28	Perform maintenance of vehicles and equipment that have oil leakage and spillage potential on hard standings within a bunded area with sumps and oil interceptors.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Water Quality Impact	W29	Dispose chemical waste in accordance to Waste Disposal Ordinance. Follow the *Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes,* examples as follows:	✓	✓	✓
		Store chemical wastes with suitable containers to avoid leakage or spillage during storage, handling and transport.	✓	✓	✓
		Label chemical waste containers according to the CoP to notify and warn the waste handlers.	✓	✓	✓
		Store chemical wastes at designated safe location with adequate space.	✓	✓	✓
	W30	Provide sufficient chemical toilets with regular maintenance by registered waste collector where necessary.	✓	✓	✓
	W31	Provide a drip tray/container underneath the bentonite recycling system.	N/A	N/A	N/A
	W32	Carry out regular site inspection to audit the implementation of mitigation measures.	✓	✓	✓
	W33	Carry out effluent quality monitoring at location specified in the discharge license.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM4	Allocate an area for waste sorting and storage of C&D materials into the following categories for reuse, recycle or disposal if possible. Remove waste from the construction site for sorting once generated if no suitable space can be identified.	✓	✓	✓
		Excavated materials suitable for reuse	✓	✓	✓
		Inert C&D materials (or public fill) for disposal offsite	✓	✓	✓
		Non-inert C&D materials (or C&D waste) for disposal at landfills	✓	✓	✓
		Records of quantities generated/ recycled/ disposed maintained?	✓	✓	✓
		Chemical waste	✓	✓	✓
		Bentonite slurry for reconditioning and reuse	N/A	N/A	N/A
		General refuse	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM5	Adopt good site practice as follows:	✓	✓	✓
		Provide training to workers on site cleanliness, waste management (waste reduction, reuse and recycle) and chemical handling procedures.	✓	✓	✓
		Cover waste materials with tarpaulin or in enclosure during transportation.	✓	✓	✓
		Maintain drainage systems, sumps and oil interceptors.	✓	✓	Obs.
		Sort out chemical waste for proper handling and treatment onsite or offsite.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM6	Adopt good site practice as follows:	✓	✓	✓
		Allocate area/containers for sorting, recovering and storing waste for reuse, recycle or disposal (e.g. demolition debris and excavated materials, general refuse like aluminum cans.) Remove waste from the construction site for sorting once generated if no suitable space can be identified.	✓	✓	✓
		Allocate area for proper storage of construction materials to prevent contamination prevent soil contamination?	✓	✓	✓
		Maintain drainage systems, sumps and oil interceptors.	✓	✓	✓
		Minimize wastage through careful planning and avoiding over purchase of construction materials	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM7	Prepare and implement a site-specific Waste Management Plan (WMP) as part of Environmental Management Plan (EMP) in accordance with ETWB TCW No. 19/2005. Detail waste management method in the form of avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal according to the recommendations on the EIA and EM&A Manual. It should be approved by the ER and regularly reviewed.	✓	✓	✓
	WM8	Store waste materials properly as follows:	✓	✓	✓
		Avoid contamination by proper handling and storing waste.	✓	✓	✓
		Prevent erosion by covering waste.	✓	✓	✓
		Apply water spray on excavated materials.	✓	✓	✓
		Maintain and clean storage area regularly.	✓	✓	✓
		Sort and stockpile different materials at designated location to enhance reuse.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM9	Apply for relevant waste disposal permits in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap.28) Dumping at Sea Ordinance (Cap. 466).	✓	✓	✓
	WM10	Hire licensed waste disposal contractors for waste collection and removal. Dispose waste at licensed waste disposal facilities	✓	✓	✓
	WM11	Implement trip-ticket system for recording the amount of waste generated, recycled and disposed, including chemical wastes	✓	✓	✓
	WM12	Provide wheel washing at construction site exit to clean the vehicle body and wheel.	✓	✓	✓
	WM13	Reduce water content in wet spoil generated from piling work by mixing with dry materials. Only dispose treated spoil with less than 25% dry density to Public Fill Reception Facilities	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM14	Dispose dry waste or waste with less than 70% water content by weight to landfill.	✓	✓	✓
	WM15	Follow the Code of Practice on the Packaging, Labelling and Storage of Chemical Waste as follows:	✓	✓	✓
		Store chemical wastes with suitable containers. Seal and maintain the container to avoid leakage or spillage during storage, handling and transport.	✓	✓	✓
		Label chemical waste containers in both English and Chinese with instructions in accordance to Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation.	✓	✓	✓
		The container capacity should be smaller than 450 litres unless agreed by the EPD.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM16	Comply with the requirement of the chemical storage area:	✓	✓	✓
		Store only chemical waste and label clearly the chemical characters of the waste.	✓	✓	✓
		Have at least 3 sides enclosed and protected from rainfall with cover.	✓	✓	✓
		Provide sufficient ventilation	✓	✓	✓
		Have impermeable floor and has bunds to contain 110% of the capacity of the largest container or 20% of the total volume of the stored waste in the area, whichever is larger		✓	✓
	WM17	Transfer used lubricants, waste oils and other chemicals to oil recycling companies, if possible, and empty oil drums for reuse or refill. No direct or indirect discharge is permitted	✓	✓	✓
	WM18	Hire licensed chemical waste disposal contractors for waste collection and removal. Dispose chemical waste at the approved Chemical Waste Treatment Centre at Tsing Yi or other licensed facility.	✓	✓	✓
	WM19	Hire reputable waste collector to Separately collect and dispose general refuse from other wastes. Cover the waste to prevent being blown away.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Waste/Chemical Management	WM20	Provide recycling bins for sorting out recyclables for collection by recycling companies. Non-recyclables should be removed to designated landfills every day by licensed collectors to prevent environmental and health nuisance.	✓	✓	✓
	WM21	Organize training and reminders to site staff on waste minimization through avoidance and reduction, reusing and recycling.	✓	✓	✓
	WM22	Used bentonite shall be reconditioned onsite and reused as far as practical to minimize wastage. If this is deemed not viable, the used bentonite shall be delivered offsite for reconditioning.	N/A	N/A	N/A
	WM23	Characterize the sediment quality of the Marine sediment to be dredged and submit a Sediment Quality Report for EPD's approval. Dispose the dredged Marine sediment in accordance with ETWB TC(W) No. 34/2002.	N/A	N/A	N/A

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Ecology	E1	Erect bright colour fencing along the boundary of the undisturbed region of the shrubland and woodland, and around *Diospyros vaccinioides,* a plant species of conservation importance, near the work boundary to remind workers not to trespass or occupy the area, and to be careful during operation of equipment.	✓	✓	✓
	E2	Reinstate the disturbed rocky shore with the rocks temporarily removed.	N/A	N/A	N/A
	E3	Place sandbag around the section of W3 next to Fairway Vista and along the shore during open cut excavation for laying of gravity sewer nearby.	✓	✓	✓
	E4	Temporarily divert the water from outfall of W3 away from excavation area.	✓	✓	✓
	E5	Inspect the condition of the *Diospyros vaccinioides* near the work boundary as part of weekly site audit.	✓	✓	✓
	E6	Erection of hoarding, fencing or provision of clear deJuncation of work zones	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Ecology	E7	Designate areas for placement of equipment, building materials and wastes away from the natural environment.	✓	✓	✓
	E8	Carry out tree preservation and compensatory tree planting will be carried out in accordance with DEVB TCW No. 7/2015.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Landscape and Visual	CM8	Protective materials to be provided to natural rocky coastline to prevent damage to existing landform from plant and machinery during temporary drilling operations. Reinstatement following removal of plant & equipment to original or improved condition shall be undertaken.	N/A	N/A	N/A
	OM2	Use of appropriate building materials and colours for Sewage Treatment Plant to complement surroundings	N/A	N/A	N/A
	CM1	The construction area and contractor's temporary works areas should be minimized to avoid impacts on adjacent landscape. All slope excavation shall take place from within the work boundary to minimize impacts on adjacent slopes.	✓	✓	✓
	CM2	Reduction of construction period to practical minimum.	✓	✓	✓
	CM3	Construction traffic (land and sea) including construction plant, construction vessels and barges to be kept to a practical minimum.	✓	✓	✓
	CM4	Erection of decorative mesh screens or construction hoardings and/or temporary noise barriers around works areas in visually unobtrusive colors.	✓	✓	✓
	CM5	Avoidance of excessive height and bulk of site buildings and structures.	✓	✓	✓

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Landscape and Visual	CM6	Protective materials to be provided to natural rocky coastline to prevent damage to existing landform from plant and machinery during temporary drilling operations. Reinstatement following removal of plant & equipment to original or improved condition shall be undertaken.	✓	✓	✓
	CM7	All existing trees shall be carefully protected during construction. A Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. Tree risk assessment shall be undertaken to all existing trees within the project site as per "Guidelines for Tree Risk Assessment and Management Arrangement"	✓	✓	✓
	OM3	Lighting units to be directional and minimize unnecessary light spill and glare.	N/A	N/A	N/A
	OM4	Greening measures to reinstate the landscape which are appropriate to the context, including tree and shrub planting and vertical greening, shall be implemented.	N/A	N/A	N/A

Item	EM & A Ref.	EM&A Manual Recommended Mitigation/ Actions	Implementation Status		
			September 2025	October 2025	November 2025
Building Heritage	BH1	Undertake condition survey by professional qualified building surveyor or engineer to record the existing condition of the built heritage resources.	✓	✓	✓
	BH2	Carry out vibration and settlement monitoring to build heritage resources. A maximum vibration level 7.5mm/s shall be adopted for the Grade 3 Hung Shing Temple and settlement check points in the Alert/Alarm/Action limit levels at 6mm/8mm/10mm shall be adopted.	✓	✓	✓
	BH3	Are protective covering or protective screen provided to build heritage resources which are close to building area? (c.f. BH3)	N/A	N/A	N/A
	BH4	Maintain public access to the cultural landscape features (c.f. BH4)	N/A	N/A	N/A
	BH5	Provision of at least 1m buffer zone from the proposed works provided? (c.f. BH5)	N/A	N/A	N/A

Remark
N/A – Not Applicable
✓ – Implemented
Obs. – Observed
Rem. – Reminder

APPENDIX F - METEOROLOGICAL DATA EXTRACTED FROM HONG KONG OBSERVATORY

2025/09 Daily Extract of Meteorological Observations from HKO

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
1	1007.9	34.4	30.3	28.2	25	74	74	0	9.2	90	9.3
2	1008.2	33.7	30.3	28.5	25.3	75	60	0.1	10.5	80	9.3
3	1008.2	34.1	30.5	28.5	24.9	73	59	0	10.5	110	7.4
4	1007.9	35.2	30.9	28.5	24.8	71	62	0	10.4	100	7.4
5	1008.2	35.3	30.9	28.3	24.5	70	52	0	11	100	6.4
6	1007.9	34.5	30.7	28.7	24.9	72	55	0	7.7	80	11.9
7	1006.2	30.5	28.1	25.9	25.1	84	85	46.7	2.8	80	34.3
8	1005.4	28.6	27.4	25	24.8	86	91	85.6	0.4	170	54.5
9	1010.3	29.9	28.7	27.7	25.7	84	86	13.1	1.4	180	26.8
10	1011.2	32.4	29.1	27.5	25.3	80	83	0.1	6.1	180	12.4
11	1011.1	33.2	29.5	27.3	25.3	79	70	0	5.6	130	4.3
12	1011.4	33.6	30.1	28	24.6	73	31	0	10.3	110	6.1
13	1011.7	33.9	30.1	28	24.1	71	27	0	11.1	110	5.9
14	1011.7	34	29.8	27.7	24.2	72	24	0	8.4	110	3.8
15	1012.1	33.8	30.4	28.2	25	73	59	Trace	8.6	80	17.8
16	1011.2	33.2	30.4	28.5	25.2	74	87	0.5	6.7	80	21.3
17	1009.9	33.6	29.9	25.3	25.3	77	83	18.1	6.7	60	18.9
18	1008.9	33.3	29.9	28.2	24.6	74	74	1.4	8.2	70	22.9
19	1005.9	30	28.5	27	23.1	73	85	0.4	0	290	30.7
20	1006.1	28.5	26.3	25	24.7	91	98	98.4	0	220	21.8
21	1007.9	27.5	26.5	25.7	25.4	94	93	81.6	0	90	21.3
22	1006.3	32.5	29.3	26.5	24.5	76	70	0	8.6	360	15.1
23	999.5	31.4	29.3	26.2	23.2	70	89	10.2	0.6	350	45.1
24	994	27.2	26.1	25	24.6	91	95	170.1	0	100	83
25	1008.1	28.5	27.8	27	25.2	86	91	1.7	2.2	100	40.1
26	1012.7	33.3	29.4	27.4	24.8	77	77	0	10	60	27.7
27	1012.9	32.8	30	28.3	24.2	72	62	Trace	11.1	70	32.4
28	1012.8	31.4	29.2	28.1	25	79	86	0.7	6.1	80	28.3
29	1013.2	32.7	29.5	27.8	25.1	78	85	0	10.2	80	13.6
30	1012.5	32.8	29.5	27	24.2	74	80	0	10.1	230	5
Mean/Total	1008.7	32.2	29.3	27.3	24.8	77	73	528.7	194.5	80	21.5
Climatological Normal?	1008.8	30.5	27.9	26.1	23.6	78	66	321.4	174.4	80	21.4

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since November 1989
Trace means rainfall less than 0.05 mm
? 1991-2020 Climatological Normal, unless otherwise specified
Source: Daily Extract | Hong Kong Observatory(HKO) | Climate Information Service

2025/10 Daily Extract of Meteorological Observations from HK

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
1	1012.2	33.6	29.8	27.7	24.3	73	50	0	10.7	140	7
2	1012.9	32.5	29.5	27.9	24.7	76	43	Trace	10.9	90	9.8
3	1012.5	33.4	29.7	27.8	24.4	73	43	0	10.1	90	4.3
4	1010.6	33.4	29.6	27.5	23.5	70	60	0.6	6.9	70	34.6
5	1010.8	29.9	28.8	27.8	25.1	81	88	1	1.3	100	41.3
6	1013.1	31	28.6	27.3	25	81	68	0.6	5.3	90	16.2
7	1013.6	32.7	29.3	26.7	23.6	72	34	0	10	210	3.3
8	1012.8	33.1	30	28	23.9	71	47	0	9.7	80	14.7
9	1012.5	32.7	29.8	28.4	24.3	73	36	Trace	9.9	080#	17.5#
10	1012.1	32.1	29.2	27.8	24.2	75	56	0.1	6.1	80	16.3
11	1011.4	32.5	29.5	28	24.6	75	54	0	10.1	80	20.7
12	1011.8	29.1	28.3	26.6	25.5	85	83	15.7	1.7	80	23.4
13	1012.8	31	28.7	27.1	25.7	84	75	3.8	8	90	14.8
14	1013.3	32	29.1	26.7	25.3	80	55	5.5	9.7	80	15.9
15	1013.4	32.8	29.7	27.6	24	73	31	0	10.3	80	15.5
16	1013.8	32	29.6	28.3	23.9	72	43	0	8.9	80	22.5
17	1014	32.2	29.6	28.1	24	72	49	0	8.6	70	24.4
18	1012.6	32.8	29.9	28.3	24.8	74	48	0	9.5	80	19.1
19	1011.5	32.9	30.1	28.2	23.1	67	66	0	7	30	23
20	1011.8	29	26.8	23.7	19.9	66	87	Trace	3	360	41.3
21	1014.4	24	22.4	20.4	16.6	70	94	0.1	0.1	360	49.5
22	1016.4	20.9	19.2	18.2	14.8	76	92	3.3	0	350	45.3
23	1017.2	22.8	20.8	18.7	14.1	65	88	0	0.2	350	41.7
24	1016.4	26.4	23.3	21.1	15.1	60	88	Trace	3.8	360	31.7
25	1015.5	29	25.6	23.2	17.2	60	82	Trace	6.9	360	23.1
26	1015.6	29.2	26.5	24.2	17.2	57	79	0	9.1	10	23
27	1016.9	26.1	24.6	22.9	17	63	88	Trace	0	360	25.5
28	1017.1	24.4	23.4	21.5	18.4	73	89	0.5	0	360	28.9
29	1016.7	25.5	24.4	22.9	19.3	73	90	Trace	0.5	70	38.9
30	1016.1	28.9	26.3	24.8	20.4	70	82	Trace	5.6	70	26.4
31	1015.6	28.7	26.6	25.1	20.1	68	73	0	5.4	10	14
Mean/Total	1013.8	29.9	27.4	25.6	21.7	72	66	31.2	189.3	80	23.7
Climatological Normal?	1014	28.1	25.7	23.9	20.2	73	58	120.3	197.8	80	26.3

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since November 1989
Trace means rainfall less than 0.05 mm
? 1991-2020 Climatological Normal, unless otherwise specified
Source: Daily Extract | Hong Kong Observatory(HKO) | Climate Information Service

2025/11 Daily Extract of Meteorological Observations from HKO

Day	Hong Kong Observatory								King's Park	Waglan Island^	
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)	Total Bright Sunshine (hours)	Prevailing Wind Direction (degrees)	Mean Wind Speed (km/h)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)							
1	1017.2	25.2	24.5	23.1	17.2	64	83	0	2.3	50	24.1
2	1017.4	27.7	25.3	23.5	18.3	66	77	0	4.5	70	26.1
3	1017.9	24.8	23.7	22.9	16.3	64	84	0	1.3	60	36.7
4	1016.6	23.2	22.3	21.6	16.6	70	89	Trace	0	10	30
5	1013.6	26.4	23.5	20.9	18	71	48	0	8	360	21.9
6	1013.6	27.3	24.8	23	19.9	75	79	0.3	4.4	60	35.1
7	1014.8	25.6	24.6	23.2	21.3	82	92	5.7	0	70	41.3
8	1015.4	28.1	25.9	24.6	21.4	76	40	0	9.4	60	24.1
9	1012	28.9	26.4	24.2	21.1	73	49	0	7.2	10	14
10	1008.8	27.2	25	23.3	17.9	65	82	0	9.4	360	31.6
11	1008.1	23.6	23	22.4	16.1	65	86	Trace	0	350	37.4
12	1011.6	25.3	22.5	20.8	14.9	63	78	0	8.7	350	32.7
13	1015.4	24	21.1	19.1	15	69	88	0.2	2.5	360	30.1
14	1017.1	26	22.2	18.4	16.8	73	62	0.7	7.8	360	26.3
15	1019.4	26.6	24	22.7	16.6	64	73	0	6.2	70	33.6
16	1020.3	26.4	23.8	22.4	18.3	72	39	0	9.5	70	26.5
17	1019.9	27.4	24.5	22.7	19.2	73	57	0	9.9	70	26.6
18	1022.8	23.9	20.3	14.7	11.6	57	86	Trace	5	360	44.1
19	1024.5	16.8	15.4	13.2	2.1	41	89	0.1	0.7	360	42.8
20	1023.7	18.2	16.5	14.6	2.4	39	88	Trace	0	360	27.7
21	1022.7	22.5	19.7	17.3	5.8	41	77	0	6	360	25
22	1021.4	23.7	20.5	17.5	10.5	53	23	0	9.9	360	22.3
23	1019.5	25.2	22.3	20.3	15.8	67	55	0	8.8	70	16.4
24	1018.3	25.8	23.4	21.5	16.1	65	77	Trace	6.9	60	15.2
25	1018.9	23.7	21.9	20	5.3	34	59	0	9.7	360	39
26	1019.5	22.8	20	17.6	8.1	46	83	0	9.6	360	21.2
27	1020.3	22.2	19.8	18.2	0.5	28	87	0	7.1	360	37.3
28	1017.9	22.6	19.3	16.7	4.2	38	76	0	9.8	360	26
29	1016	23.9	20.5	18.4	10.9	55	74	0	8.6	60	20.5
30	1015.1	24.5	22.3	20.7	15.1	64	88	0	0.6	50	20.8
Mean/Total	1017.3	24.7	22.3	20.3	13.8	60	72	7	173.8	360	28.5
Climatological Normal?	1017.3	24.5	22.2	20.3	16.7	72	58	39.3	172.3	70	26.6

^ Information of wind direction and wind speed for Waglan Island are based on automatic weather station data since November 1989

Trace means rainfall less than 0.05 mm

? 1991-2020 Climatological Normal, unless otherwise specified

Source: Daily Extract | Hong Kong Observatory(HKO) | Climate Information Service

APPENDIX G - GRAPHICAL PLOTS OF THE MONITORING RESULT

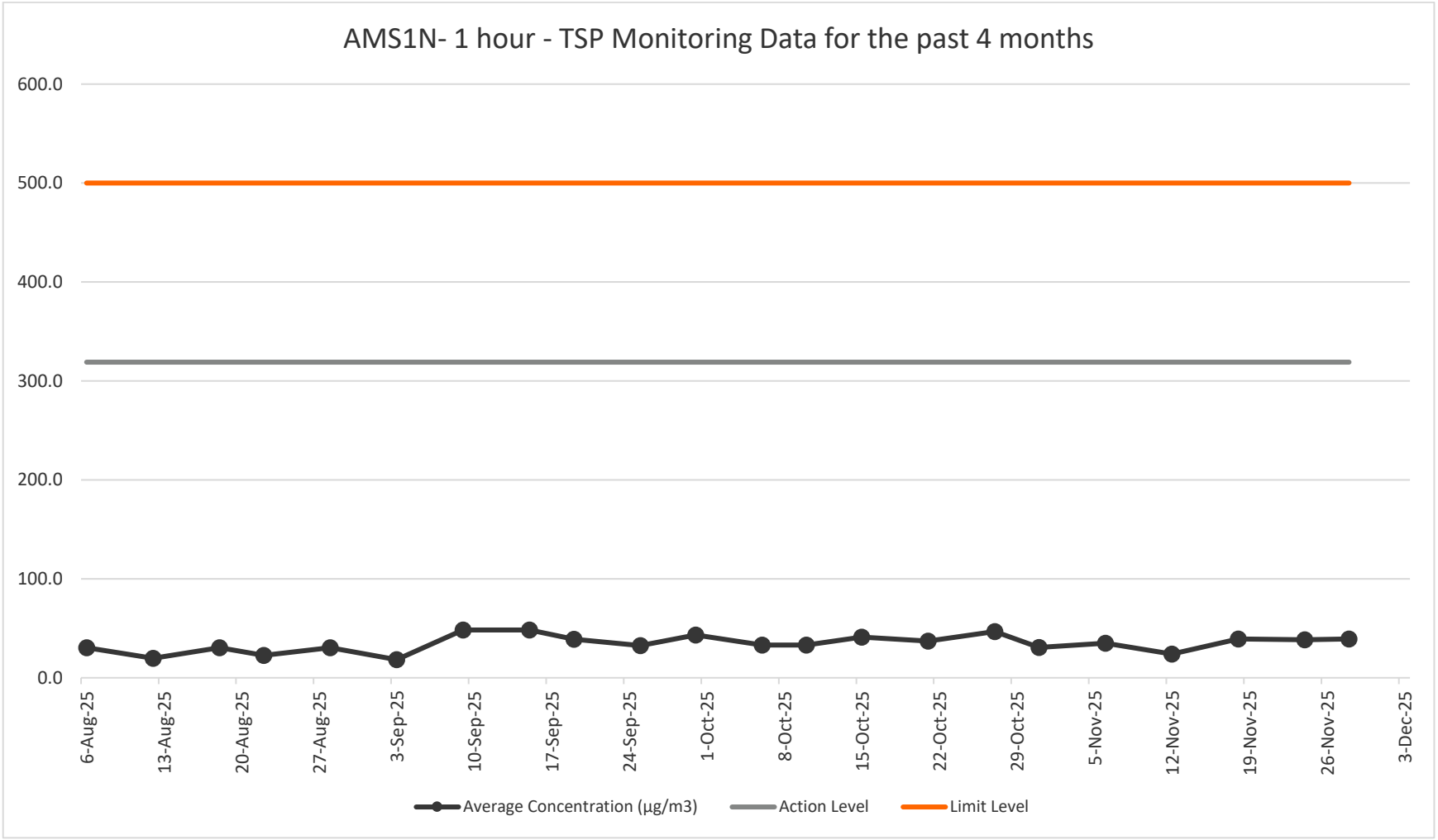
AMS1N – 1-hour and 24-hour TSP monitoring

Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
3- Sep -25	Fine	18.3	18.0
9- Sep -25	Cloudy	48.3	46.0
15- Sep -25	Fine	48.3	37.0
19- Sep -25	Cloudy	39.0	36.0
25- Sep -25	Cloudy	32.7	34.0
30- Sep -25	Sunny	43.3	45.0

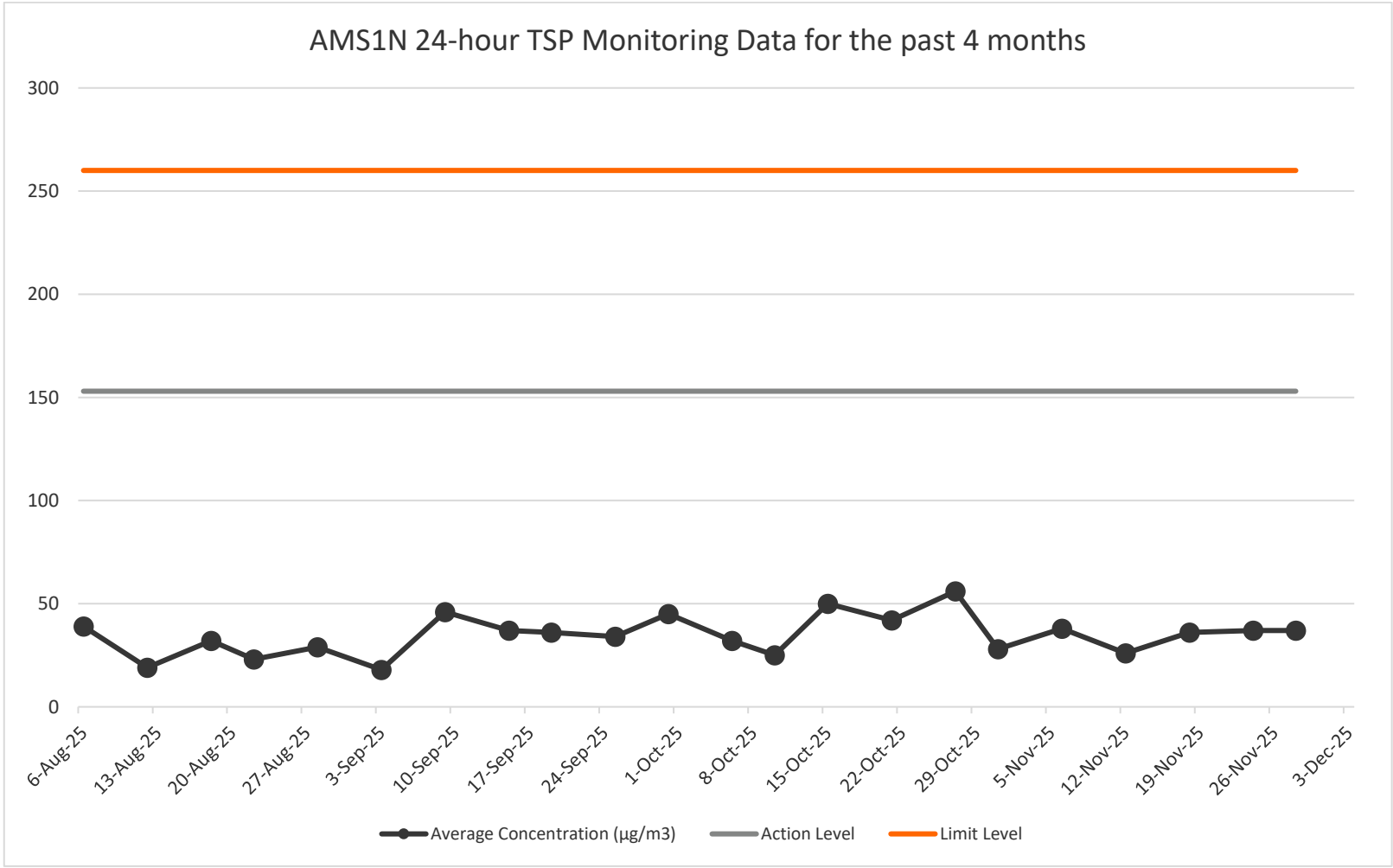
Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Oct -25	Sunny	33.0	32.0
10- Oct -25	Fine	33.0	25.0
15- Oct -25	Fine	41.0	50.0
21- Oct -25	Cloudy	37.0	42.0
27- Oct -25	Cloudy	46.7	56.0
31- Oct -25	Fine	30.7	28.0

Date	Weather	1-hour TSP Monitoring	24-hour TSP Monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Nov -25	Cloudy	35.0	38.0
12- Nov -25	Fine	24.0	26.0
18- Nov -25	Fine	39.3	36.0
24- Nov -25	Fine	38.3	37.0
28- Nov -25	Sunny	39.3	37.0
	Average:	36.9	36.6
	Action Level:	319	153
	Limit Level:	500	260

AMS1N- 1 – hour TSP Monitoring



AMS1N- 24– hour TSP Monitoring



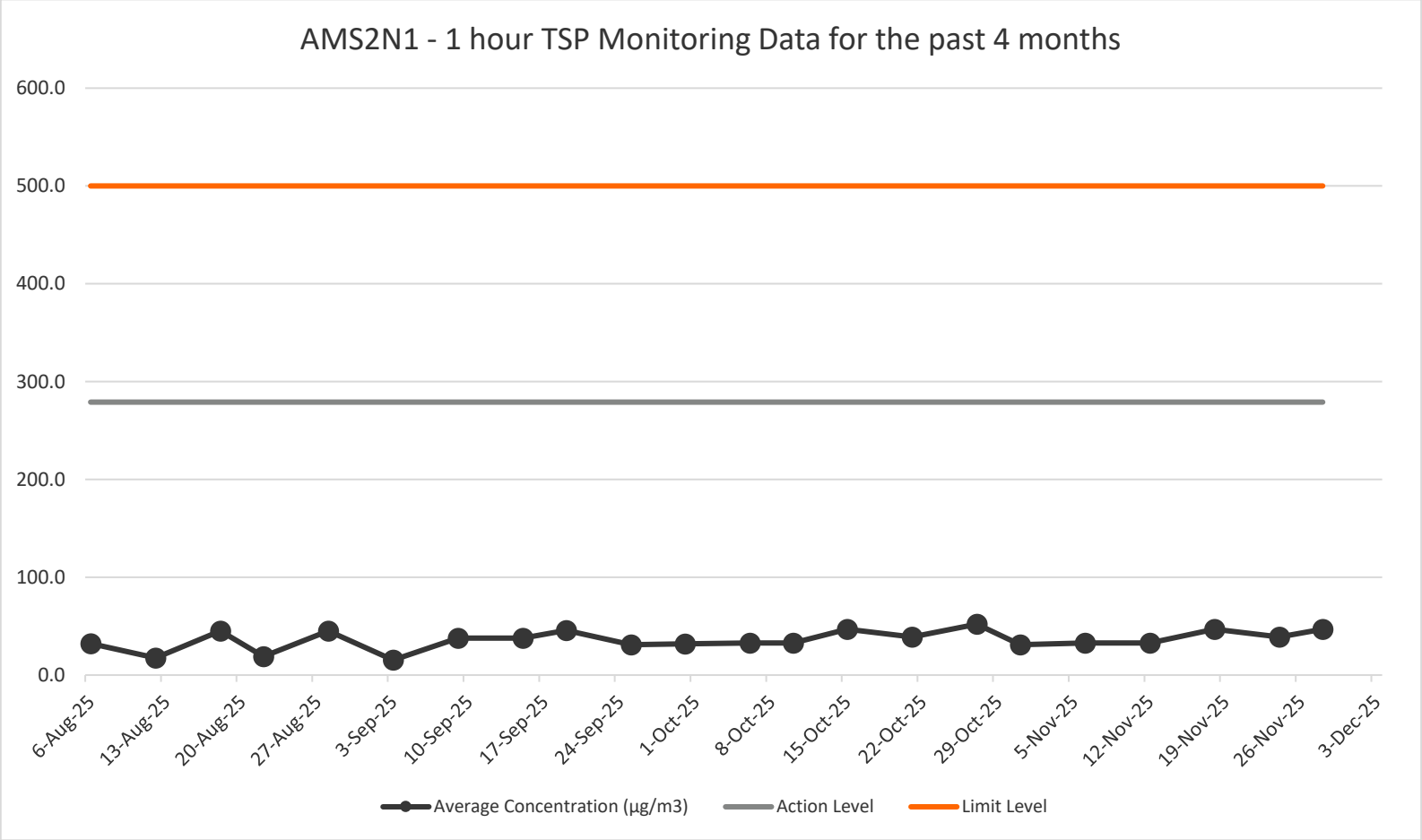
AMS2N1 – 1- hour and 24-hour TSP Monitoring

Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
3- Sep -25	Fine	15.3	18.0
9- Sep -25	Cloudy	37.7	33.0
15- Sep -25	Fine	37.7	49.0
19- Sep -25	Cloudy	45.7	48.0
25- Sep -25	Cloudy	31.0	31.0
30- Sep -25	Sunny	32.0	30.0

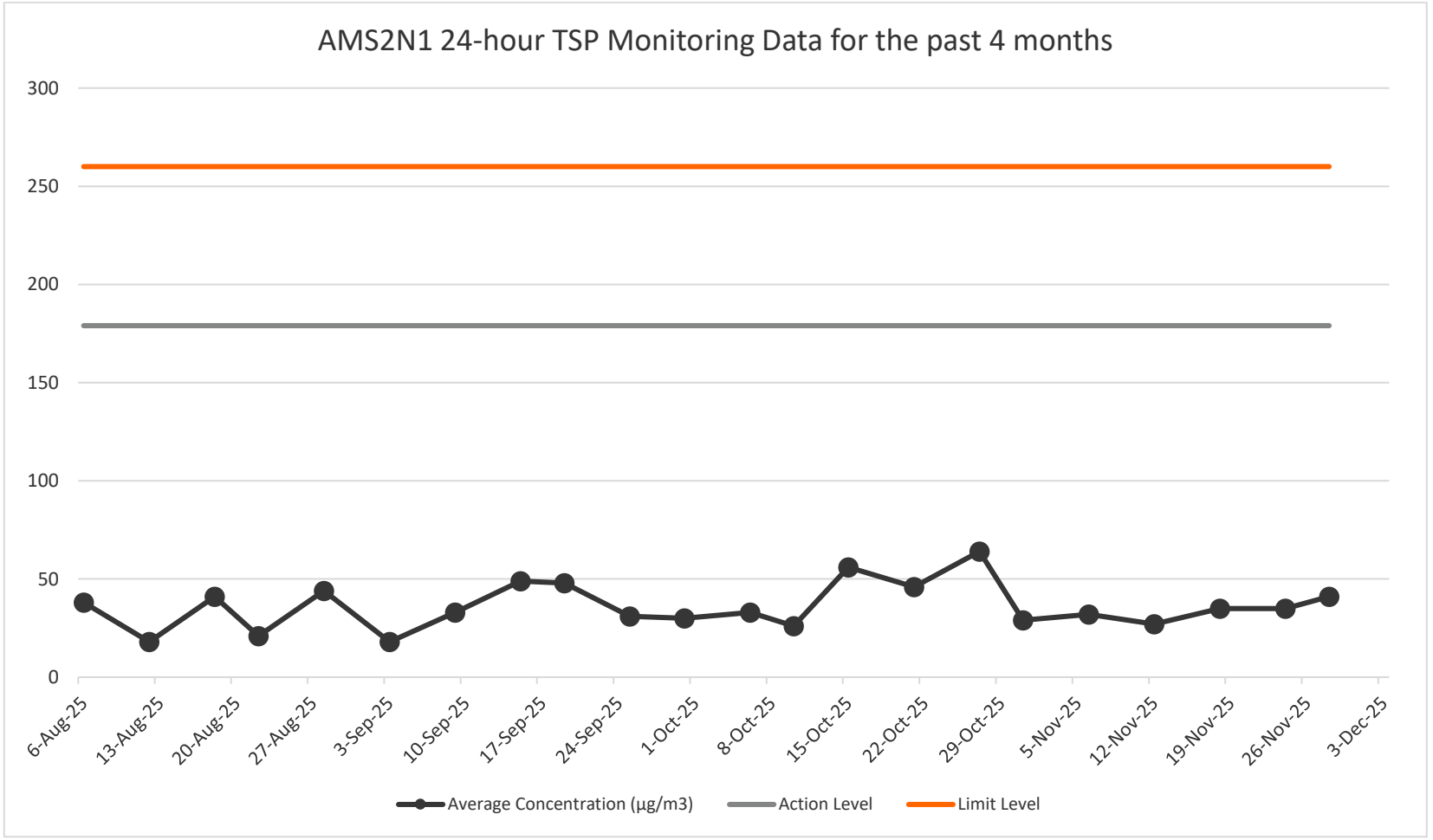
Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Oct -25	Sunny	32.7	33.0
10- Oct -25	Fine	32.7	26.0
15- Oct -25	Fine	47.0	56.0
21- Oct -25	Cloudy	39.0	46.0
27- Oct -25	Cloudy	52.0	64.0
31- Oct -25	Fine	31.0	29.0

Date	Weather	1-hour TSP Monitoring	24-hour TSP Monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Nov -25	Cloudy	32.7	32.0
12- Nov -25	Fine	32.7	27.0
18- Nov -25	Fine	47.0	35.0
24- Nov -25	Fine	39.0	35.0
28- Nov -25	Sunny	47.0	41.0
	Average:	37.2	37.2
	Action Level:	279	179
	Limit Level:	500	260

AMS2N- 1 – hour TSP Monitoring



AMS2N1- 24 – hour TSP Monitoring



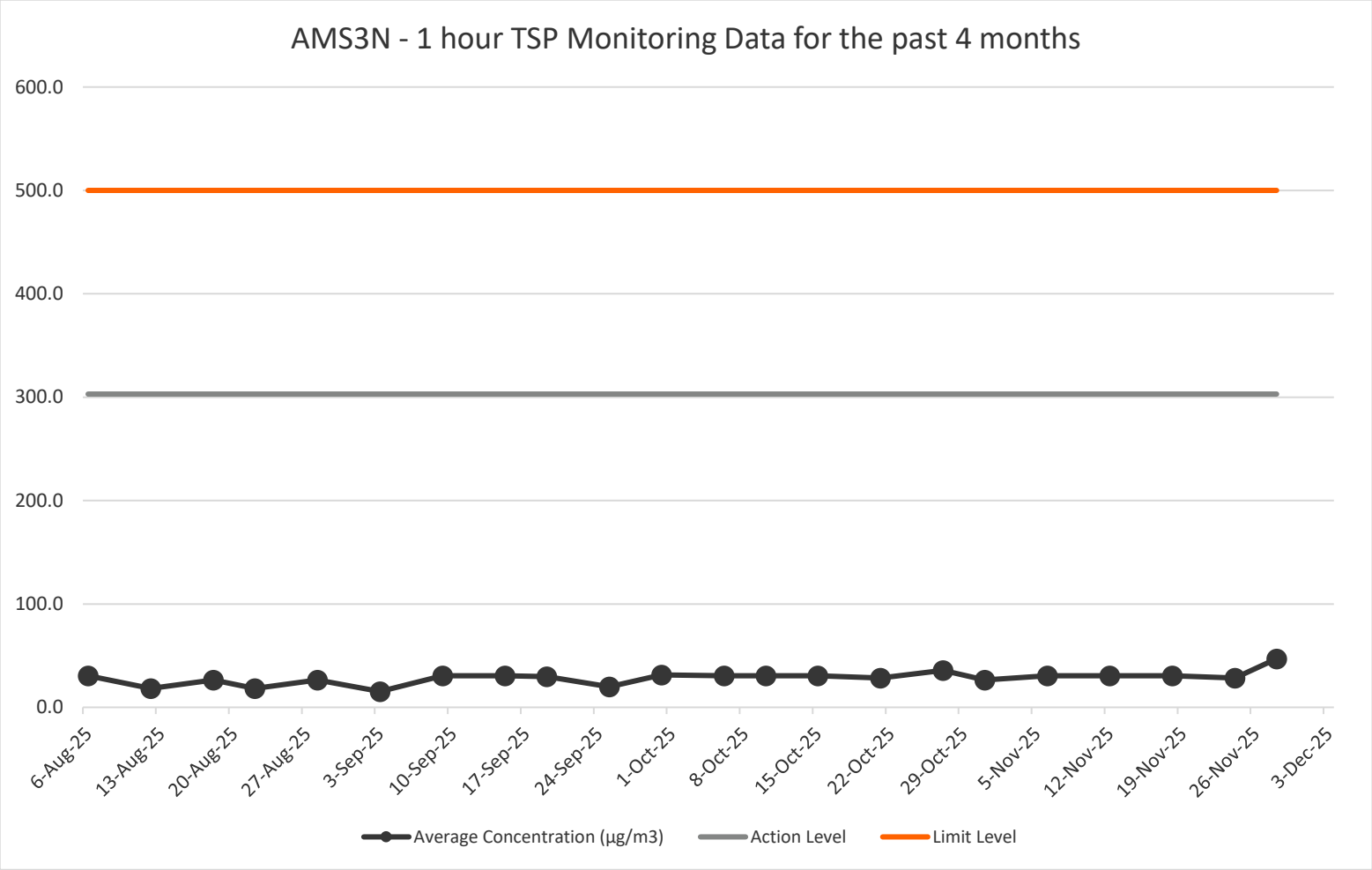
AMS3N – 1- hour and 24-hour TSP Monitoring

Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
3- Sep -25	Fine	15.3	17.0
9- Sep -25	Cloudy	30.7	28.0
15- Sep -25	Fine	30.7	23.0
19- Sep -25	Cloudy	29.7	23.0
25- Sep -25	Cloudy	20.0	24.0
30- Sep -25	Sunny	31.3	34.0

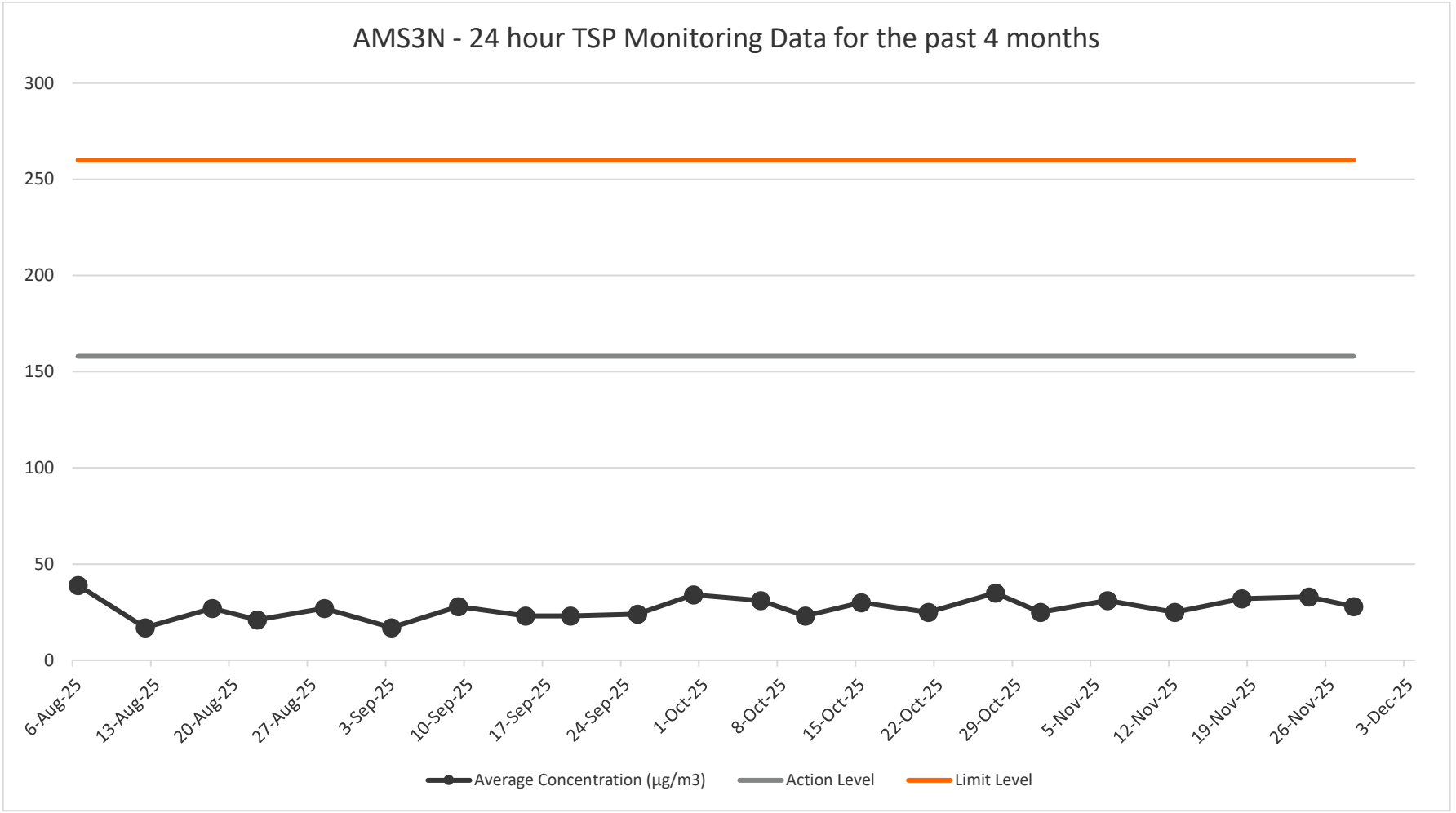
Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Oct -25	Sunny	30.7	31.0
10- Oct -25	Fine	30.7	23.0
15- Oct -25	Fine	30.7	30.0
21- Oct -25	Cloudy	28.3	25.0
27- Oct -25	Cloudy	35.7	35.0
31- Oct -25	Fine	26.3	25.0

Date	Weather	1-hour TSP Monitoring	24-hour TSP Monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Nov -25	Cloudy	30.7	31.0
12- Nov -25	Fine	30.7	25.0
18- Nov -25	Fine	30.7	32.0
24- Nov -25	Fine	28.3	33.0
28- Nov -25	Sunny	47.0	28.0
	Average:	29.9	27.5
	Action Level:	303	158
	Limit Level:	500	260

AMS3N- 1 – hour TSP Monitoring



AMS3N – 24-hour TSP Monitoring



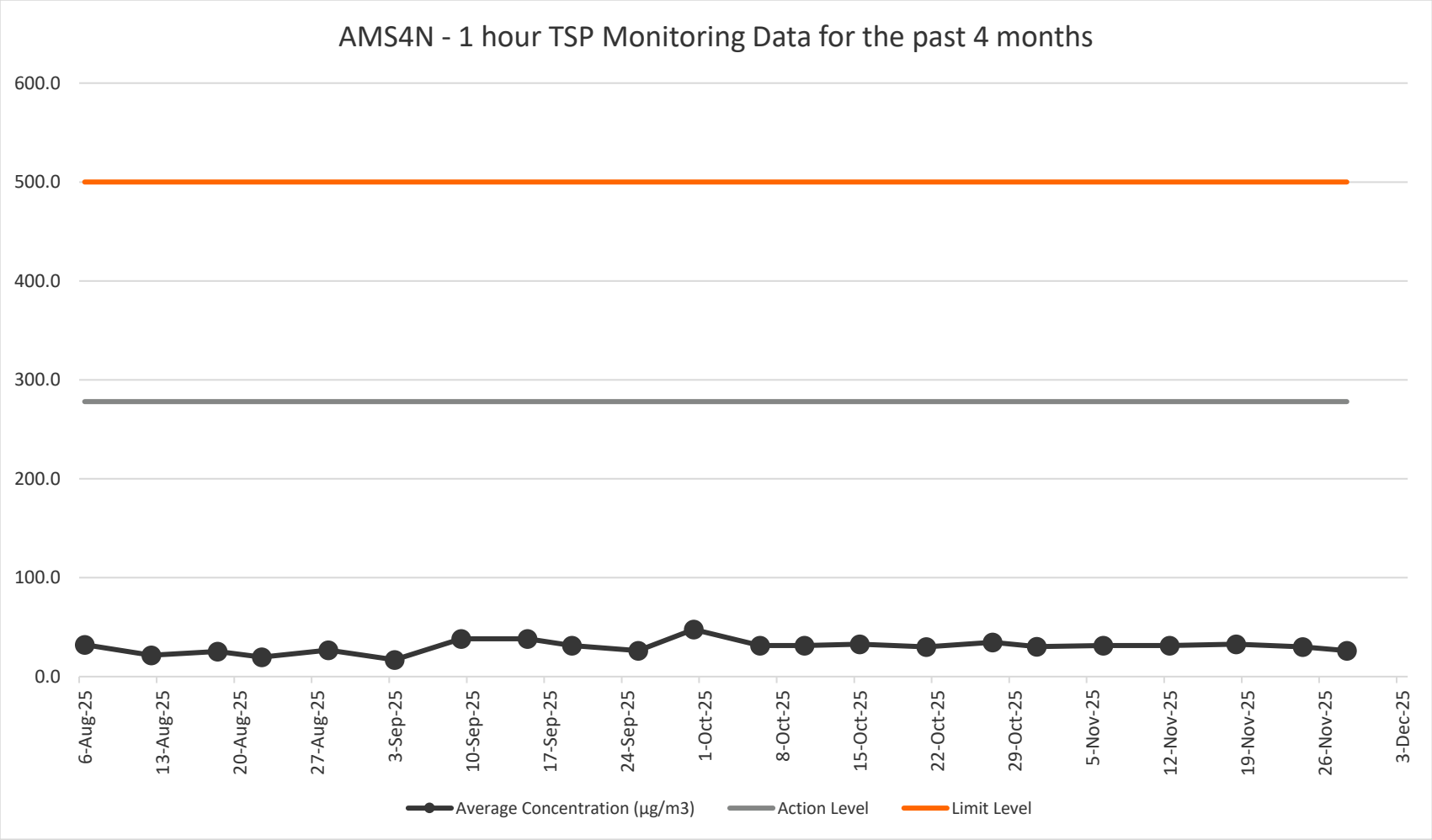
AMS4N — 1- hour and 24-hour TSP Monitoring

Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
3- Sep -25	Fine	17.0	18.0
9- Sep -25	Cloudy	38.3	42.0
15- Sep -25	Fine	38.3	26.0
19- Sep -25	Cloudy	31.3	29.0
25- Sep -25	Cloudy	26.3	27.0
30- Sep -25	Sunny	47.7	41.0

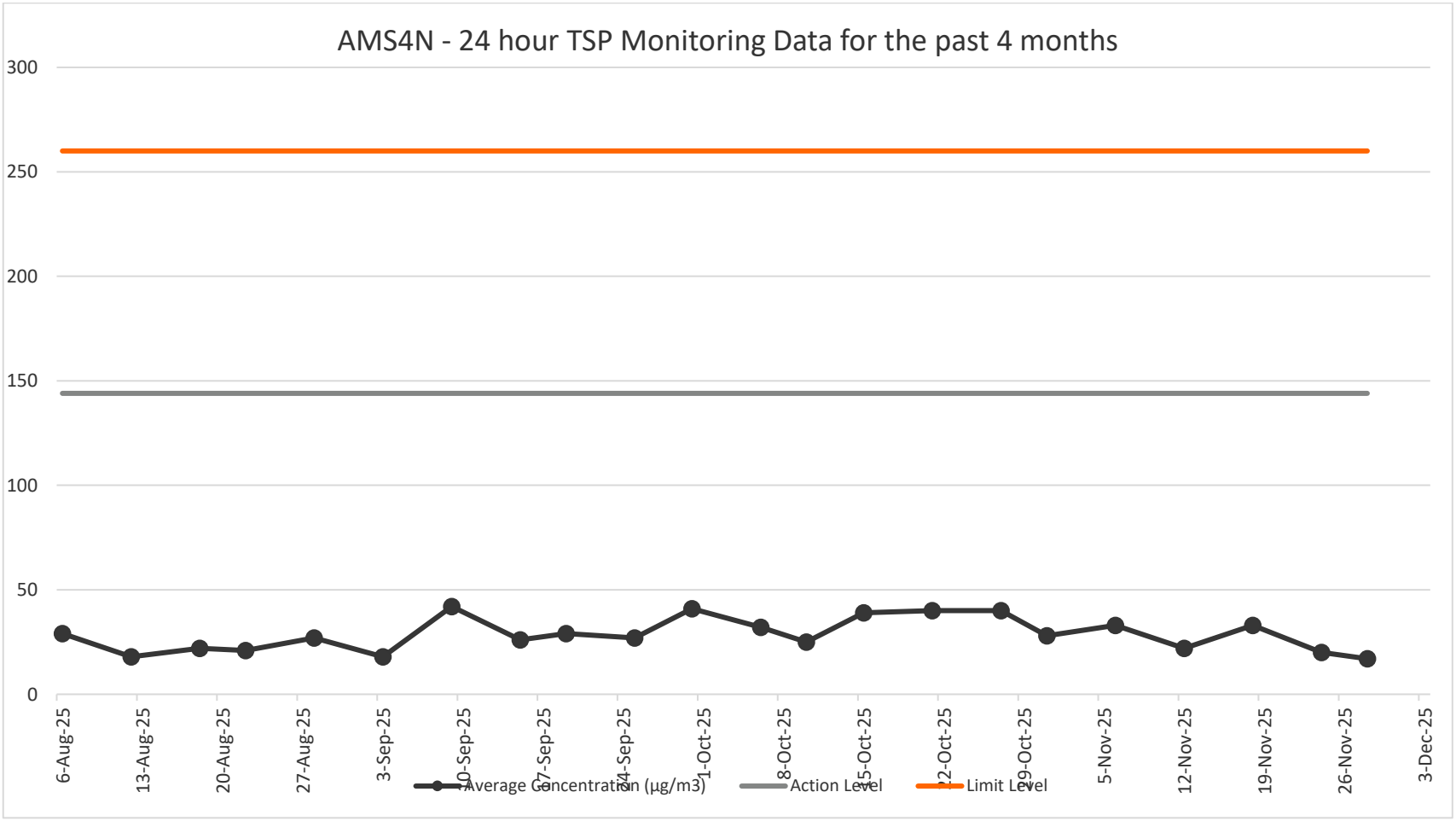
Date	Weather	1-hour TSP Monitoring	24-hour TSP monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Oct -25	Sunny	31.3	32.0
10- Oct -25	Fine	31.3	25.0
15- Oct -25	Fine	32.7	39.0
21- Oct -25	Cloudy	30.0	40.0
27- Oct -25	Cloudy	34.7	40.0
31- Oct -25	Fine	30.3	28.0

Date	Weather	1-hour TSP Monitoring	24-hour TSP Monitoring
		Average Concentration (μg/m3)	Average Concentration (μg/m3)
6- Nov -25	Cloudy	31.3	33.0
12- Nov -25	Fine	31.3	22.0
18- Nov -25	Fine	32.7	33.0
24- Nov -25	Fine	30.0	20.0
28- Nov -25	Sunny	26.3	17.0
	Average:	31.8	30.1
	Action Level:	278	144
	Limit Level:	500	260

AMS4N- 1 – hour TSP Monitoring



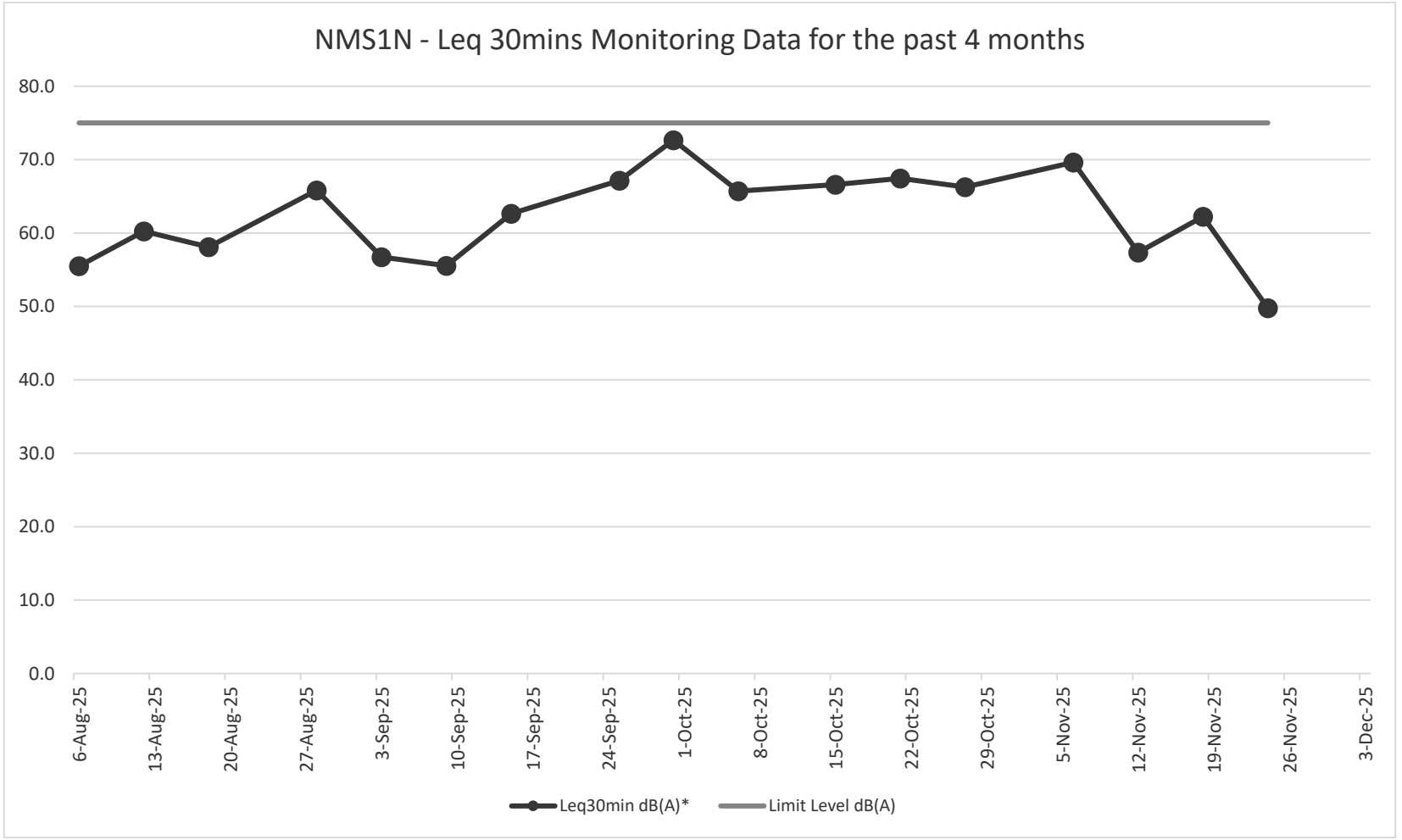
AMS4N- 24 – hour TSP Monitoring



NMS1N – Leq30 Noise monitoring

Start Date & Time	Weather	Leq dB(A)	L90 dB(A)	L10 dB(A)	Limit Level:
3- Sep -25	Fine	56.7	52.0	58.9	75
9- Sep -25	Cloudy	55.5	52.8	61.0	75
15- Sep -25	Fine	62.6	60.7	69.4	75
25- Sep -25	Cloudy	67.2	63.4	68.5	75
30- Sep -25	Sunny	72.7	69.0	74.1	75
6-Oct-25	Sunny	65.7	64.3	69.0	75
15-Oct-25	Fine	66.6	63.2	69.1	75
21-Oct-25	Cloudy	67.5	64.4	69.2	75
27-Oct-25	Cloudy	66.3	63.5	68.1	75
6-Nov-25	Cloudy	69.6	55.0	72.7	75
12-Nov-25	Fine	57.4	50.6	59.3	75
18-Nov-25	Fine	62.2	55.4	66.1	75
24-Nov-25	Fine	49.8	41.4	53.6	75
Action Level:	When one valid documented complaint is received				
Limit Level:	75.0 dB(A)				

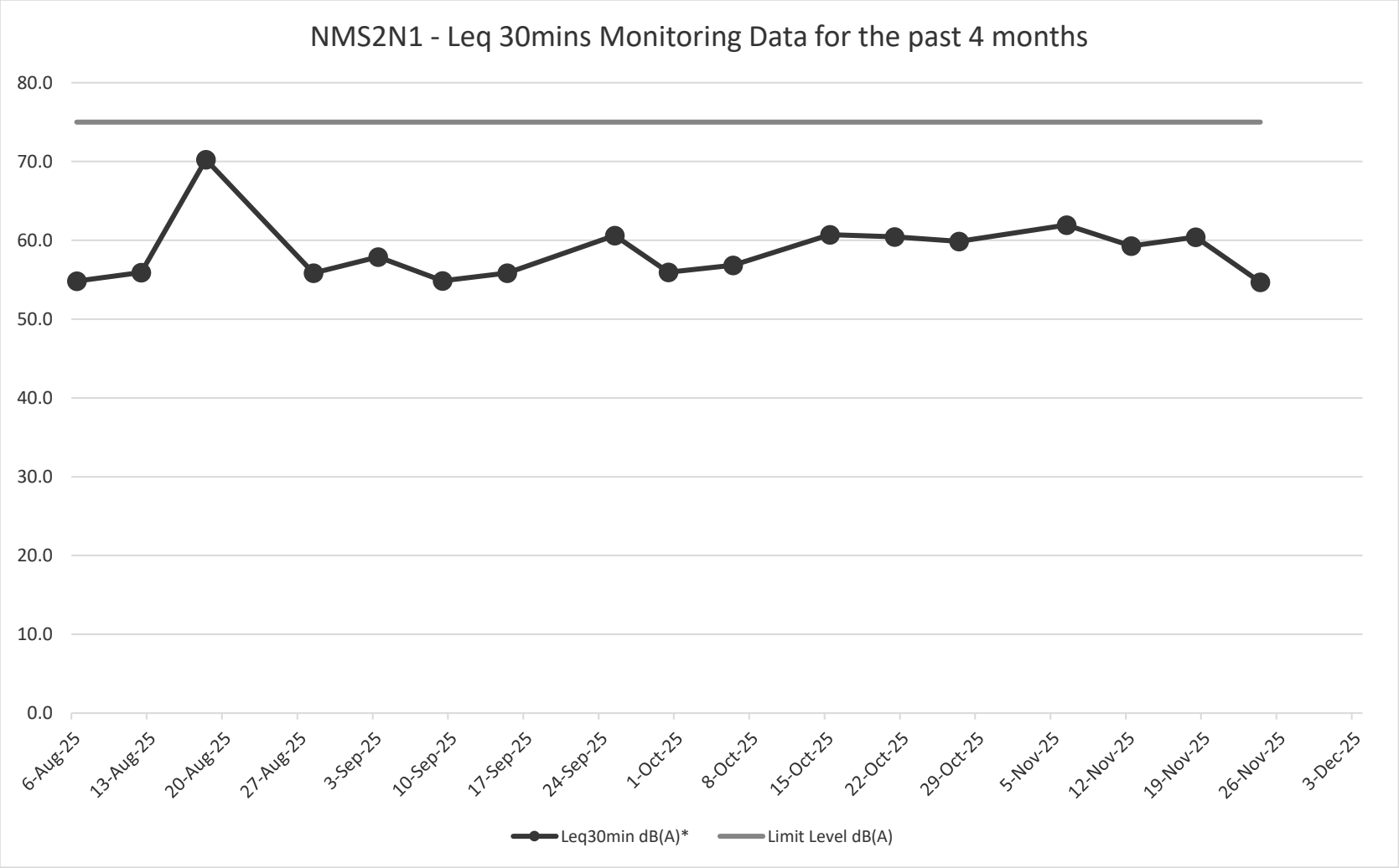
NMS1N – Leq30 Noise monitoring



NMS2N1 – Leq30 Noise monitoring

Start Date & Time	Weather	Leq dB(A)	L90 dB(A)	L10 dB(A)	Limit Level:
3- Sep -25	Fine	57.9	51.8	60.9	75
9- Sep -25	Cloudy	54.9	53.2	61.4	75
15- Sep -25	Fine	55.8	52.4	57.2	75
25- Sep -25	Cloudy	60.6	57.5	62.2	75
30- Sep -25	Sunny	56.0	51.6	58.5	75
6-Oct-25	Sunny	56.8	54.3	59.3	75
15-Oct-25	Fine	60.7	57.6	62.6	75
21-Oct-25	Cloudy	60.4	58.2	61.8	75
27-Oct-25	Cloudy	59.9	57.1	61.3	75
6-Nov-25	Cloudy	61.9	55.8	63.9	75
12-Nov-25	Fine	59.3	54.8	61.9	75
18-Nov-25	Fine	60.4	55.1	62.3	75
24-Nov-25	Fine	54.7	46.6	57.6	75
Action Level:	When one valid documented complaint is received				
Limit Level:	75.0 dB(A)				

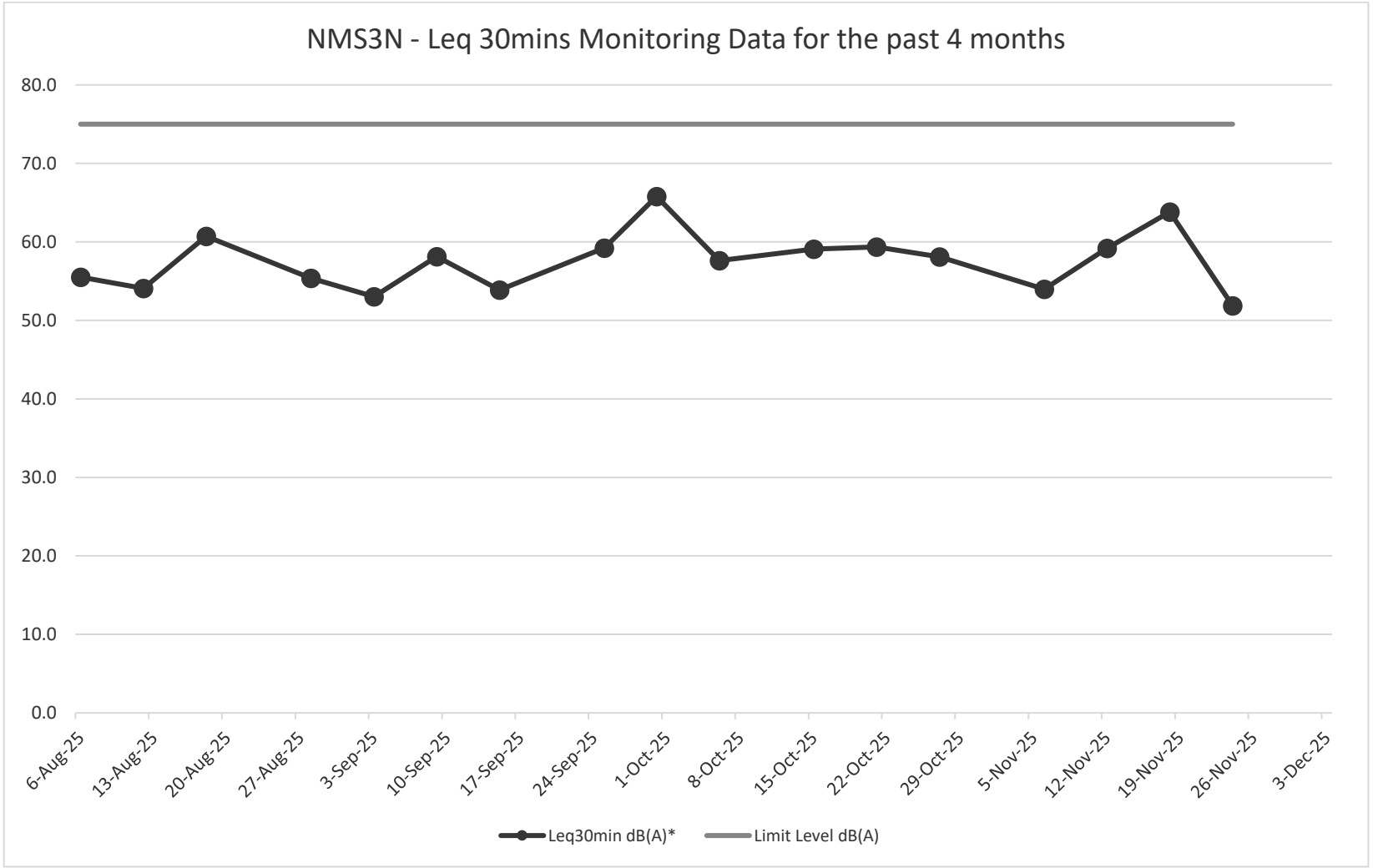
NMS2N1 – Leq30 Noise monitoring



NMS3N – Leq30 Noise monitoring

Start Date & Time	Weather	Leq dB(A)	L90 dB(A)	L10 dB(A)	Limit Level:
3- Sep -25	Fine	53.0	44.2	56.2	75
9- Sep -25	Cloudy	58.1	54.6	61.6	75
15- Sep -25	Fine	53.9	51.2	56.2	75
25- Sep -25	Cloudy	59.2	56.6	61.6	75
30- Sep -25	Sunny	65.8	64.5	72.2	75
6-Oct-25	Sunny	57.6	54.1	62.1	75
15-Oct-25	Fine	59.1	55.8	61.2	75
21-Oct-25	Cloudy	59.4	56.5	60.9	75
27-Oct-25	Cloudy	58.1	54.9	60.0	75
6-Nov-25	Cloudy	54.0	51.6	55.8	75
12-Nov-25	Fine	59.2	57.3	60.7	75
18-Nov-25	Fine	63.8	61.4	65.6	75
24-Nov-25	Fine	51.9	44.7	56.0	75
Action Level:	When one valid documented complaint is received				
Limit Level:	75.0 dB(A)				

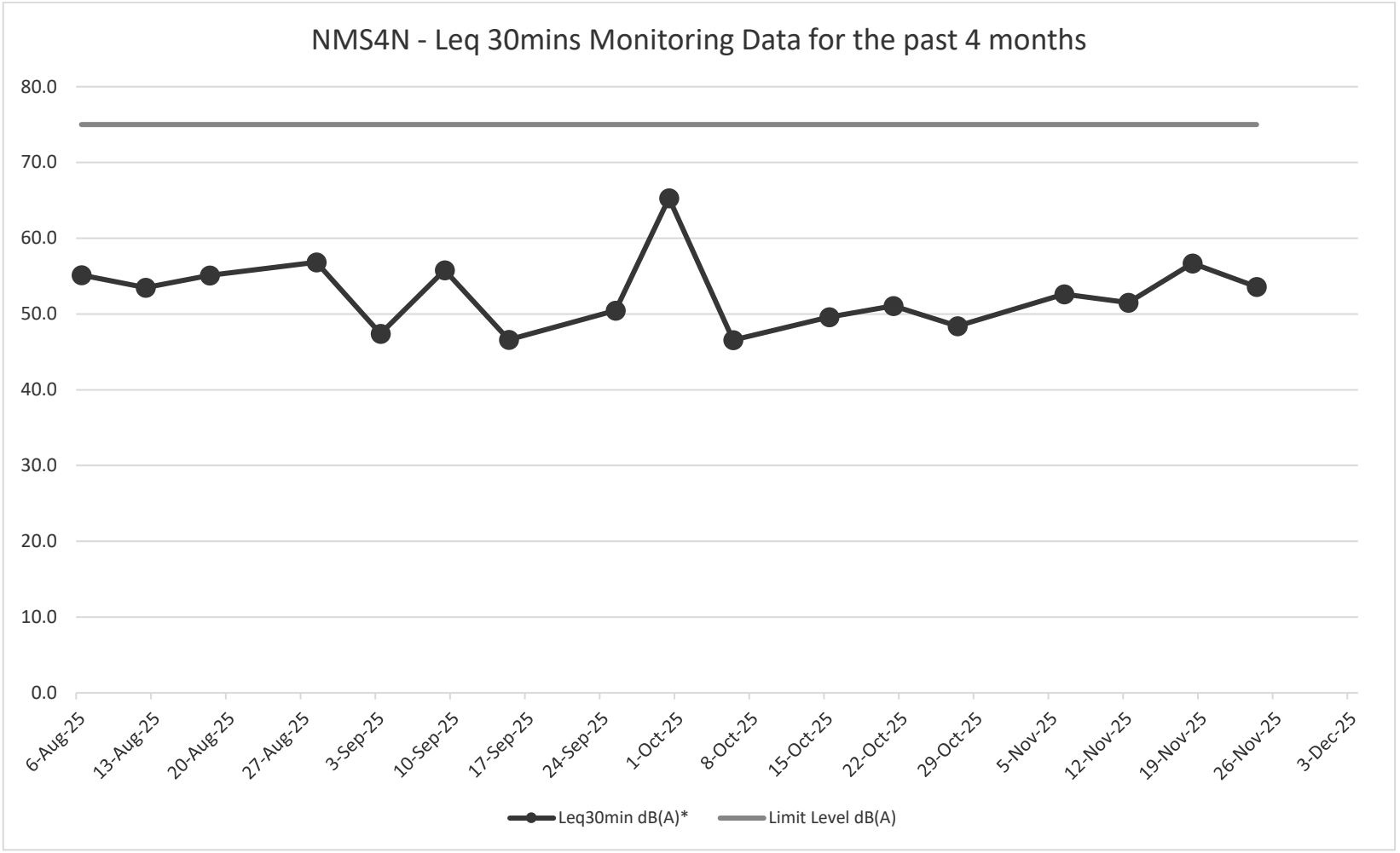
NMS3N – Leq30 Noise monitoring



NMS4N – Leq30 Noise monitoring

Start Date & Time	Weather	Leq dB(A)	L90 dB(A)	L10 dB(A)	Limit Level:
3- Sep -25	Fine	47.4	39.5	51.3	75
9- Sep -25	Cloudy	55.8	53.3	60.9	75
15- Sep -25	Fine	46.6	43.9	48.4	75
25- Sep -25	Cloudy	50.5	47.4	52.3	75
30- Sep -25	Sunny	65.3	60.0	67.9	75
6-Oct-25	Sunny	46.6	44.1	48.4	75
15-Oct-25	Fine	49.6	46.9	52.0	75
21-Oct-25	Cloudy	51.1	48.1	53.2	75
27-Oct-25	Cloudy	48.4	44.8	50.2	75
6-Nov-25	Cloudy	52.6	46.9	55.2	75
12-Nov-25	Fine	51.5	48.2	53.4	75
18-Nov-25	Fine	56.7	54.3	58.5	75
24-Nov-25	Fine	53.6	41.8	56.7	75
Action Level:	When one valid documented complaint is received				
Limit Level:	75.0 dB(A)				

NMS4N – Leq30 Noise monitoring



APPENDIX H - SUMMARY OF WASTE FLOW TABLE

Monthly Summary Waste Flow Table for 2025 Year

Month		Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposal as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics (see note 3)	Chemical Waste	Other, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in Tonne]
Jan	0.003	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.085	0.000	0.000	0.000	0.085	0.000	0.000	0.000	0.000	0.000	3.67
Sub-Total	0.088	0.000	0.000	0.000	0.088	0.000	0.000	0.000	0.000	0.000	3.67
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.34
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.76
Sep	0.003	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	10.37
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.13
Nov	0.050	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000
Dec											
Total	0.141	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.000	35.27

Note:

(1) The performance targets are given in the Environmental Management Plan.
(2) The waste flow table shall also include C&D materials to be imported for use at the Site.
(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

APPENDIX I - CUMULATIVE STATISTICS ON COMPLAINTS, NOTIFICATIONS OF SUMMONS

Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From	Received By	Nature of Environmental Complaint	Relevant to the Construction Work of Project Site? (Y/N)	Investigation/ Mitigation Action	Status
001	28 December 2021	EPD	ET	Waste Management	N	The investigation report was submitted on 7 April 2022	Closed
002	23 September 2024	EPD	ET	Waste Management	N	The investigation report was submitted on 27 September 2024	Closed
003	26 February 2025	EPD	ET	Wastewater Management / Air & Noise	N	The investigation report was submitted on 5 March 2025	Closed

Remarks: * No Notifications of Summons or Successful Prosecutions were received during the reporting period.

Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions and Public Engagement Activities

Reporting Period	Complaints	Notifications of Summons and Prosecutions	Public Engagement Activities
2025/09	0	0	0
2025/10	0	0	0
2025/11	0	0	0
Cumulative Project-to-Date	3	0	0