**Civil Engineering and Development Department** 

Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O – Lam Tin Tunnel Design and Construction

Quarterly Environmental Monitoring and Audit Report – May 2022 – July 2022

(version 1.0)

Approved By	Chan
V	(Dr. HF Chan,
E	nvironmental Team Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

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Attention: Mr Raymond Chan

BY FAX & POST (Fax no.: 2739 0076)

Dear Sirs

Agreement No.: NTE 06/2016 Independent Environmental Checker for Tseung Kwan O – Lam Tin Tunnel Quarterly Environmental Monitoring and Audit Report for May 2022 to July 2022

We refer to emails of 16 August 2022 from Cinotech Consultants Limited attaching the Quarterly Environmental Monitoring and Audit Report for May 2022 to July 2022.

We have no further comment and hereby verify the captioned report.

Should you have any queries, please do not hesitate to contact the undersigned or our Mr Edric Lau on 2618 2831.

Yours faithfully ANEWR CONSULTING LIMITED

James Choi Independent Environmental Checker

#### CPSJ/LCCR/LTKE/lsmt

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# **EXECUTIVE SUMMARY**

## Introduction

- This is the 23<sup>rd</sup> Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the "Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O – Lam Tin Tunnel – Design and Construction" (hereinafter called "the Project"). This summary report presents the EM&A works performed in the period from May 2022 to July 2022.
- 2. During the reporting quarter, the following works contracts were undertaken within the site:
  - Contract No. NE/2015/01 Tseung Kwan O Lam Tin Tunnel Main Tunnel and Associated Works
  - Contract No. NE/2015/02 Tseung Kwan O Lam Tin Tunnel Road P2 and Associated Works
  - Contract No. NE/2017/01 Tseung Kwan O Lam Tin Tunnel Tseung Kwan O Interchange and Associated Works
  - Contract No. NE/2017/02 Tseung Kwan O Lam Tin Tunnel Road P2/D4 and Associated Works
  - Contract No. NE/2017/06 Tseung Kwan O Lam Tin Tunnel Traffic Control and Surveillance System (TCSS) and Associated Works
  - Contract No. NE/2017/07 Cross Bay Link, Tseung Kwan O Main Bridge and Associated Works

# **Environmental Monitoring Works**

- 3. Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans, and environmental complaint handling procedures were also checked.
- 4. Summary of the non-compliance in the reporting quarter for the Project is tabulated in Table I. Details of the environmental monitoring results are presented in Section 3.

	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
Parameter					
	Action Level	Limit Level	Action Level	Limit Level	
May 2022					
Air Quality	0	0	0	0	Refer to Appendix K
Noise	7	1	6	1	Refer to Appendix K & L
Marine Water Quality	18	55	0	0	Refer to Appendix K
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A <sup>1</sup>	N/A	N/A <sup>1</sup>	N/A
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	0	0	0	0	N/A
Landfill Gas	0	0	0	0	N/A
June 2022					

#### Table I Non-compliance (Exceedance) Record for the Project in the Reporting Quarter

Parameter	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
Air Quality	0	0	0	0	Refer to Appendix K
Noise	2	4	2	1	Refer to Appendix K & L
Marine Water Quality	9	50	0	0	Refer to Appendix K
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A <sup>1</sup>	N/A	N/A <sup>1</sup>	N/A
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	0	0	0	0	N/A
Landfill Gas	0	0	0	0	N/A
July 2022					
Air Quality	0	0	0	0	Refer to Appendix K
Noise	2	2	2	0	Refer to Appendix K & L
Marine Water Quality	16	38	0	0	Refer to Appendix K
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A <sup>1</sup>	N/A	N/A <sup>1</sup>	N/A
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	0	0	0	0	N/A
Landfill Gas	0	0	0	0	N/A

Note:

(1) No Limit Level for Groundwater Level Monitoring (Piezometer Monitoring).

# Key Information in the Reporting Quarter

5. Summary of key information in the reporting quarter is tabulated in **Table II**. **Table II** Summary Table for Key Information in the Reporting Quarter

Event	Event Details		- Action Taken	Status	Remark
Event	Number	Nature	Action Taken	Status	Kemark
Complaint received by Project Team / Complaint referred by EPD (May 2022)	7	Noise/Air	Investigation Completed	Closed	
Complaint received by Project Team / Complaint referred by EPD (Jun 2022)	3*1	Noise/Water	Investigation Completed	Closed	Details refer to App L
Complaint received by Project Team / Complaint referred by EPD (Jul 2022)	3	Noise/Water	Investigation Completed	Closed	
Reporting Changes	0		N/A	N/A	
Notifications of any summons & prosecutions received (May 2022)	0		N/A	N/A	

Event	Event Details		Action Taken	Status	Remark	
Event	Number	Nature	Action Taken	Status	кешагк	
Notifications of any summons & prosecutions received (Jun 2022)	0		N/A	N/A		
Notifications of any summons & prosecutions received (Jul 2022)	0		N/A	N/A		

Remarks: \*1: 1 complaint in June 2022 were received in July 2022.

6. Environmental monitoring works for the Project are considered effective and is generating data to categorically identify the environmental impacts from the works and influencing factors in the vicinity of monitoring stations.

# 1. INTRODUCTION

# Background

- 1.1 In 2002, Civil Engineering and Development Department (CEDD) commissioned an integrated planning and engineering study under Agreement No. CE 87/2001 (CE) "Further Development of Tseung Kwan O Feasibility Study" (the "TKO Study") to formulate a comprehensive plan for further development of TKO New Town. It recommended to further develop TKO to house a total population of 450,000 besides the district's continuous commercial and industrial developments.
- 1.2 At present, the Tseung Kwan O Tunnel is the main connection between Tseung Kwan O (TKO) and other areas in the territory. To cope with the anticipated transport need, the TKO Study recommended the provision of Tseung Kwan O Lam Tin Tunnel (TKO-LTT) (hereinafter referred to as "the Project") and Cross Bay Link (CBL) to meet the long-term traffic demand between TKO and the external areas. The site layout plan for the Project is shown in **Figure 1**.
- 1.3 The Environmental Impact Assessment (EIA) Report for the TKO-LTT project was approved under the Environmental Impact Assessment Ordinance (EIAO) in July 2013. The corresponding Environmental Permit (EP) was issued in November 2013 (EP no.: EP-458/2013). Variations to the EP was applied and the latest EP (EP no.: EP-458/2013/C) was issued by the Director of Environmental Protection (DEP) in January 2017.

# **Project Organizations**

- 1.4 Different parties with different levels of involvement in the project organization include:
  - Project Proponent Civil Engineering and Development Department (CEDD)
    - The Engineer and the Engineer's Representative (ER) AECOM
    - Environmental Team (ET) Cinotech Consultants Limited (Cinotech)
  - Independent Environmental Checker (IEC) AnewR Consulting Limited (AnewR)
- 1.5 The key contacts of the Project are shown in **Table 1.1**.

Table 1.1	Key Project Contacts				
Party	Role	Contact Person	Phone No.	Fax No.	
CEDD	Project Proponent	Mr. LO Sai Pak, Sunny	2301 1384	2739 0076	
AECOM	Engineer's Representative	Mr. Jackie Ng	3910 1601	3910 1600	
Cinotech	Environmental	Dr. HF Chan	2151 2088	3107 1388	
Chiotech	Team	Mr. KS Lee	2151 2091	5107 1588	
AnewR	Independent Environmental Checker	Mr. James Choi	2618 2836	3007 8648	

# Construction Activities undertaken during the Report Quarter

1.6 The major site activities undertaken in the reporting quarter are shown in **Appendix M**.

# 2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

## Monitoring Parameters and Monitoring Locations

2.1 The EM&A Manual designates locations for environmental monitoring in terms of air quality, noise, groundwater quality, water quality, ecology, cultural heritage and landfill gas due to the Project. The Project area and monitoring locations are depicted in Figures 1 - 6. Appendix A gives details of monitoring requirements. Locations of the environmental sensitive receivers are shown in Figures 3.1, 3.2, 4.1, 5.1, 6.2 and 9.2.

## Monitoring Methodology and Calibration Details

2.2 Monitoring works/equipment were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the Monthly EM&A Reports.

# **Environmental Quality Performance Limits (Action and Limit Levels)**

- 2.3 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results. Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Appendix B**.
- 2.4 Should the monitoring results of the environmental monitoring parameters at any designated monitoring stations indicate that the Action / Limit Levels are exceeded, the actions in accordance with the Event and Action Plans in **Appendix N** was carried out.

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

2.5 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the EM&A Manual for implementation by the Contractor. The implementation status of environmental mitigation measures (EMIS) is given in **Appendix I**.

#### Site Audit Summary

2.6 During site inspections in the reporting period, no non-compliances was recorded. The observations and recommendations made during the reporting period are summarized in **Appendix H**.

#### **Status of Waste Management**

2.7 The amount of wastes generated by the activities of the Work Contracts within TKO-LTT during the reporting period is shown in **Appendix J**.

# 3. MONITORING RESULTS

## Weather Conditions

3.1 The weather during monitoring sessions was summarized in **Table 3.1**.

#### Table 3.1 Summary of Weather Conditions in the Reporting Period

Reporting Month	<b>General Weather Conditions</b>
May 2022	Sunny, Cloudy and Rainy
June 2022	Sunny, Cloudy and Rainy
July 2022	Sunny, Cloudy and Rainy

3.2 The detail of weather conditions for each individual monitoring session was presented in the monthly EM&A report.

#### **Air Quality**

- 3.3 All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.
- 3.4 All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.
- 3.5 The graphical presentations of the air quality monitoring results are shown in **Appendix C**.

#### **Construction Noise**

<u>May 2022</u>

3.6 All noise monitoring was conducted as scheduled in the reporting month. Six (6) Action Level exceedances were recorded due to the documented complaints received in this reporting month. One (1) Limit Level exceedance was recorded in the reporting month. The summary of documented complaints and the complaint investigation in reporting month are tabulated in **Table 3.2**.

Complaint No.	Complaint Details	Investigation Findings	Follow-up Action / Mitigation Measure				
Lam Tin Side	Lam Tin Side						
604, 605 & 607	Construction Noise Nuisance at May 2022 (C1)	The complaint is considered as project-related. Various construction activities were conducted during the time of complaint. The details shall be referred to CIR-N169.	The Contractor is reminded to follow the approved valid CNMP, repair damaged noise barrier and erect them properly.				
609	Deterioration of Indoor Air Quality and Noise Nuisance	The complaint is believed to be project-related as construction works had been conducted during the time of the complaint. No non-compliance was recorded for this particular event. However, 1 Limit level exceedance of daytime construction noise was recorded at AM1 on 10 May 2022, while no limit level exceedance of dust nuisance was recorded between April 2022 and May 2022. The details shall be referred to CIR-C41.	The Contractor is reminded to follow the approved valid CNMP, ensure the effectiveness of existing and future semi-enclosures for noisy PMEs and regularly repair and check materials of the noise mitigation measures.				
614	Construction noise during restricted hours near Yau Lai Estate	The complaint is believed to be project-related as construction works had been carried out at the public holidays. The Contractor had followed the instruction of the approve CNP. The details shall be referred to CIR-N174.	The Contractor is reminded to follow the approved valid CNP.				
Tseung Kwan	O Side						

#### Table 3.2Summary of Documented Complaints in May 2022

Complaint No.	Complaint Details	Investigation Findings	Follow-up Action / Mitigation Measure
608	Construction Noise during Holiday (CBL-C1)	The complaint is considered project-related as construction is undergoing during the time of the complaint. However, the contractor held a valid CNP and no non-compliance was recorded for this particular event. The details shall be referred to CIR-N171.	The Contractor is reminded to follow the approved valid CNP.
611	Construction Noise during Holiday (C2)	The contracts located near Tseung Kwan O Bay Area were investigated. Construction works had been conducted for NE2015/02. However, the Contractor of NE2015/02 held a valid CNP and no non-compliance was recorded. No conclusion has been made as not all information had been collected. The details shall be referred to CIR- N172.	The Contractor is reminded to follow the approved valid CNP and provide regular maintenance of PMEs.

#### June 2022

3.7 All noise monitoring was conducted as scheduled in the reporting month. Two (2) Action Level exceedances were recorded due to the documented complaints received in this reporting month. One (1) Limit Level exceedances for day-time construction noise monitoring and no Limit Level exceedances for restricted hours noise monitoring were recorded in the reporting month. The summary of documented complaints and the complaint investigations in reporting month are tabulated in **Table 3.3**.

Complaint No.	Complaint Details	Investigation Findings	Follow-up Action / Mitigation Measure
Lam Tin Side			
Nil in the report	ting period		
Tseung Kwan	O Side		
612 & 613	Construction Noise from a Yellow Excavator	The complaints are believed to be project- related as there is a yellow excavator working on-site during the time of the complaint. The details shall be referred to CIR-N173.	The Contractor is reminded to follow the approved valid CNMP and cover or shield PMEs by appropriate materials.
615	Suspected Muddy Water Discharge near Ocean Shores	The complaint is considered as non-project related. There was no direct evidence showing the muddy water was produced and discharged by contracts under the Project. The details shall be referred to the CIR-W20.	NA

## Table 3.3Summary of Documented Complaints in June 2022

July 2022

3.8 All noise monitoring was conducted as scheduled in the reporting month. Two (2) Action Level exceedance was recorded due to the documented complaints received in this reporting month. No Limit Level exceedances for daytime and restricted hours of construction noise monitoring were recorded. The summary of documented complaints and the complaint investigations in reporting month are tabulated in **Table 3.4**.

Complaint No.	Complaint Details	Investigation Findings	Follow-up Action / Mitigation Measure		
Lam Tin Side					
617	Construction Noise Nuisance during Nighttime (July 2022)	The complaint is considered non-project- related as no construction works was undergoing during the time of complaint. The details shall be referred to CIR-N175.	The Contractor is reminded to follow the approved valid CNP.		
Tseung Kwan O Side					
MA16024/Questeels/2205.2207 7 Cineteels/					

# Table 3.4 Summary of Complaints Details in July 2022

Complaint No.	Complaint Details	Investigation Findings	Follow-up Action / Mitigation Measure
616	Construction Noise from a Yellow Excavator	The complaint is considered as project- related. The Contractor had conducted maintenance on the excavator after receiving the complaint. The details shall be referred to CIR-N173.	The Contractor is reminded to follow the approved valid CNMP and cover or shield PMEs by appropriate materials.
618	Suspected water pollution at Junk Bay (July 2022)	The complaint is considered non-project- related as the phenomenon is due to the algae blooming in Hong Kong waters during summer monsoon season.	NA

3.9 The graphical presentations of the noise monitoring results are shown in **Appendix D**.

# Water Quality

## Exceedance Summary

<u>May 2022</u>

3.10 As for marine water quality monitoring, eighteen (18) and fifty-five (55) action level and limit level exceedances in Monitoring Stations (M) were recorded.

## June 2022

3.11 As for marine water quality monitoring, nine (9) and fifty (50) action level and limit level exceedances in Monitoring Stations (M) were recorded.

#### July 2022

3.12 As for marine water quality monitoring, sixteen (16) and thirty-eight (38) action level and limit level exceedances in Monitoring Stations (M) were recorded.

Exceedance Summary – Post-Reclamation Marine Water Quality Monitoring

#### <u>May 2022</u>

3.13 No action or limit level of DO in mg/L was recorded in the reporting month.

#### June 2022

3.14 No action or limit level of DO in mg/L was recorded in the reporting month.

#### July 2022

3.15 No action or limit level of DO in mg/L was recorded in the reporting month.

Suspension of Groundwater Quality Monitoring

- 3.16 The groundwater monitoring was suspended since October 2019.
- 3.17 The monitoring results had been deemed non-representative of the impact from the project justified by two major factors: (1) influence on the monitoring results from non-project related factors, such as anthropogenic activities and natural phenomenon; and (2) large separation between the monitoring stations and works area. In addition, as no alternative locations for the groundwater quality monitoring were available, the groundwater quality monitoring has been suspended since January 2020 upon the agreement by EPD.

Observation and Exceedance Investigations

- 3.18 During this reporting quarter, no sand plume was observed during the water quality monitoring and site audits, therefore there is no direct evidence that the recent exceedances were due to reclamation activities of the Project. The Contractor is reminded to deploy the silt curtain properly when the barge enters/exits the embayment area. If possible, the Contractor shall also move the barge during high tide to prevent stirring up the sediments on the sea bed.
- 3.19 Exceedances of turbidity and suspended solids were recorded from various monitoring stations non-specifically among all stations including the control stations. Investigations from May 2022 July 2022 showed that the range of SS levels recorded in reporting period remained consistent with the records in recent months. Since we officially entered the wet season, all Contractors are reminded to clear the drainage, repair any broken pipes/drainage and ensure there is an embankment surrounding the works area to prevent accidental muddy water spillage or surface runoff due to heavy downpours. Details of the exceedance investigation report can be found in **Appendix K**.
- 3.20 The graphical presentations of the marine water quality monitoring results are shown in **Appendix F**. Embayment measurement at W1 was completed in December 2019.

# Daily Piezometer Monitoring

3.21 Construction phase daily piezometer monitoring was carried out during the whole period whenever tunnel construction activities were carried out within +/- 50m of the piezometer gate in the plan. The monitoring had switched to a monthly basis on 19 November 2018 as the construction activities were not within +/- 50m of the piezometer gate in the plan. Since no construction had been conducted within +/- 50m of the piezometer gate in the reporting quarter, no piezometer monitoring was conducted in the reporting quarter.

# **Ecological Monitoring**

3.22 Post-translocation coral monitoring survey shall be conducted once every 3 months for a period of 12 months after completion of coral translocation. The post-translocation coral monitoring survey was completed in February 2017.

# Monitoring Cultural Heritage

3.23 Monitoring of vibration impacts at Cha Kwo Ling Tin Hau Temple commenced on 8 April 2017. No Alert Alarm and Action (AAA) Level exceedance was recorded in the reporting quarter.

# Landscape and Visual Monitoring and Audit

3.24 The implementation of landscape and visual mitigation measures was checked during the environmental site inspections. Recommended follow-up actions have been discharged by the Contractor. Details of the audit findings and implementation status are presented in **Appendix H**.

# Landfill Gas Monitoring

3.25 Monitoring of landfill gases was commenced in March 2016 and was carried out by the Contractors at the excavation location, Portion III in the reporting quarter. No Limit Level exceedance was recorded. The graphical presentations of the landfill gas monitoring results are shown in **Appendix G**.

## Waste Management

3.26 Wastes generated from this Project include inert construction and demolition (C&D) materials, non-inert C&D materials, and marine sediments. Details of waste management data are presented in **Appendix I**.

# **Influencing Factors on the Monitoring Results**

3.27 During the reporting period, the major dust and noise sources identified at the designated monitoring stations are as follows:

#### Table 3.5 Major Dust Sources during the Monitoring in the Reporting Period

Station	Major Dust Source	
AM1 – Tin Hau Temple	Road Traffic at Cha Kwo Ling Road	
AM2 – Sai Tso Wan Recreation Ground	N/A	
AM3 – Yau Lai Estate Bik Lai House	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza	
AM4 - Sitting-out Area at Cha Kwo Ling Village	Road Traffic at Cha Kwo Ling Road	
AM4(A) - Cha Kwo Ling Public Cargo Working Area Administrative Office	Road Traffic at Cha Kwo Ling Road	
AM5(A) - Tseung Kwan O DSD Desilting Compound	Vehicle Movement within the Desilting Compound	
AM6(A) - Park Central, L1/F Open Space Area	Road Traffic at Po Yap Road	

#### Table 3.6 Major Noise Sources during the Monitoring in the Reporting Period

Monitoring Stations	Locations	Major Noise Source	
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza	
CM2	Bik Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza	
CM3	Block S, Yau Lai Estate Phase 5, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza	
CM4	Tin Hau Temple, Cha Kwo Ling	Road Traffic at Cha Kwo Ling Road	
CM5	CCC Kei Faat Primary School, Yau Tong	Road Traffic at Yau Tong Road	
CM6(A)	Site Boundary of Contract No. NE/2015/02 near Tower 1, Ocean Shores	Road Traffic at O King Road near Ocean Shores	
CM7(A)	Site Boundary of Contract No. NE/2015/02 near Tower 7, Ocean Shores	Road Traffic at Tong Yin Street	
CM8(A)	Park Central, L1/F Open Space Area	Road Traffic at Po Yap Road	
CM9(A)	Rooftop of Capri Tower 10	Rooftop (12/F)	

# 4. NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS)

## **Summary of Exceedances**

4.1 Environmental monitoring works were performed during the reporting period and all monitoring results were checked and reviewed. A summary of exceedances is attached in **Appendix K**.

Air Quality

- 4.2 No Action / Limit Level exceedance for 1-hour TSP monitoring was recorded in the reporting quarter.
- 4.3 No Action Level exceedance for 24-hour TSP monitoring was recorded in the reporting quarter.
- 4.4 No Limit Level exceedance for 24-hour TSP monitoring was recorded in the reporting quarter.

#### Construction Noise

4.5 Ten (10) Action Level exceedances were recorded due to the documented complaints received in the reporting quarter. Two (2) Limit Level exceedance was recorded for day time construction noise in the reporting quarter. No Limit Level exceedances was recorded in monitoring stations for restricted construction noise in the reporting quarter.

#### Water Quality

- 4.6 The groundwater monitoring was suspended since October 2019.
- 4.7 Forty-three (43) Action Level exceedances and One-hundred-and-forty-three (143) Limit Level exceedances in Monitoring Stations (M) were recorded for marine water quality monitoring in the reporting quarter.
- 4.8 No action or limit level of DO in mg/L was recorded for the post reclamation marine water quality in the reporting quarter. The monitoring data were attached in **Appendix P**.
- 4.9 *Ecological Monitoring* No action/limit level of mortality was exceeded in the monitoring survey conducted in the reporting quarter.

#### Monitoring on Cultural Heritage

4.10 No Alert Alarm and Action (AAA) Level exceedance was recorded in the reporting quarter.

#### Landscape and Visual

4.11 No non-compliance of the landscape and visual impact was recorded in the reporting quarter.

#### Landfill Gas

4.12 No Limit Level exceedance was recorded in the reporting quarter.

## **Review of the Reasons for and the Implications of Non-compliance**

4.13 During site audits in the reporting quarter, no non-compliance was recorded. Recommendations made in each individual site audit session were attached in the **Appendix H**.

#### Summary of Environmental Complaints and Prosecutions

- 4.14 Thirteen (13) cases of environmental complaints on this Project were received in the reporting quarter. The details were attached in **Appendix L**.
- 4.15 No environmental prosecution was received in the reporting quarter.

# 5. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

#### **Effectiveness of Mitigation Measures**

- 5.1 The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.
- 5.2 The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.
- 5.3 Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed.
- 5.4 The summary record of non-compliance (exceedances) of Action/Limit Level for environmental monitoring in the reporting quarter has been presented in **Table I** above and in **Appendix K**.
- 5.5 Thirteen (13) cases of environmental complaints were received in the reporting quarter. The details were attached in the **Appendix L**.
- 5.6 No warning, notification of summon and environmental prosecution was received in the reporting quarter. The details were attached in the **Appendix L**.

#### Recommendations

5.7 Joint weekly site audits by the representatives of the Engineer, Contractor and the ET were conducted in the reporting quarter. The following recommendations was made to the Contractor for the coming reporting month:

Air Quality Impact

- To implement dust suppression measures such as water spray on all haul roads, stockpiles, dry surfaces, excavation and rock breaking works.
- To cover stockpile of dusty material by impervious material
- To properly display NRMM Label to Powered Mechanical Equipment on site
- To avoid smoke emission from Powered Mechanical Equipment on site
- To remove the dusty cement bags after use.
- To provide sand bag bunds to gullies at site access near the site office
- To provide top and three-side enclosure for grouting equipment on site
- To repair the gaps and the noise tarpaulin sheets to ensure the effectiveness of dust curtain.

#### Construction Noise

- Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.
- To provide mitigation measures to PME as proposed in the approved NMP.
- To repair noise barrier of breaker on site.
- To provide proper acoustic material for enclosing the breaker head

Water Quality Impact

- To prevent any surface runoff discharge into any stream course or the waters in vicinity.
- To review and implement temporary drainage system.
- To ensure properly maintenance for de-silting facilities.
- To clear the silt and sediment in the sedimentation tanks or those accumulated in drainage.
- To provide bund to stockpile storage area on site to avoid leakage of surface runoff.
- To divert all the water generated from construction site to de-silting facilities with enough handling capacity before discharge.
- To provide and repair the silt curtain to fully enclose the site.
- To remove the dusty material to avoid mud/sand fall into the sea.
- To prevent silty water flow out of site during wheel washing
- To provide bunds or containment pit to prevent muddy water flow out of site.
- To remove the construction waste in U-channel.
- To set up proper drainage system within site.
- To cover or seal the gaps of covers of catchpit to prevent silt water or oil stain flow out of site.
- To remove the sand material deposited near the seafront.
- To provide sand bag bunds to gullies
- To cover exposed ground with tarpaulin and sandbag to avoid surface run-off
- Provide sufficient storage/diversion for storm water collected within the site during rainstorm, in order to avoid overflowing the water treatment tanks

#### Waste/Chemical Management

- To check for any accumulation of waste materials or rubbish on site.
- To avoid any discharge or accidental spillage of chemical waste or oil directly from the site.
- To avoid improper handling or storage of oil drum on site.
- To provide label to identify waste storage area within site.
- To remove oil stain mixed with muddy water within site.
- To provide drip tray to chemical containers
- To remove the construction material from drip tray and provide a plug for drip tray on site.

#### Landscape and Visual

• To remove the construction material near the tree and set up proper tree protection area

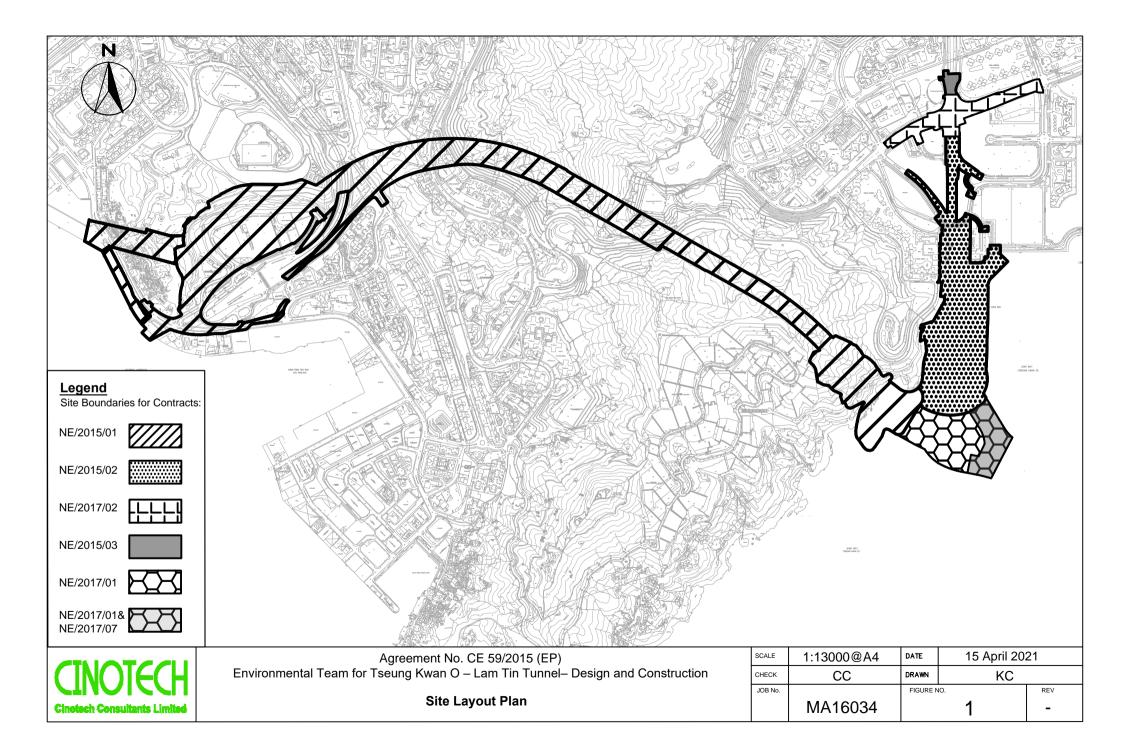
#### Permit/Licence

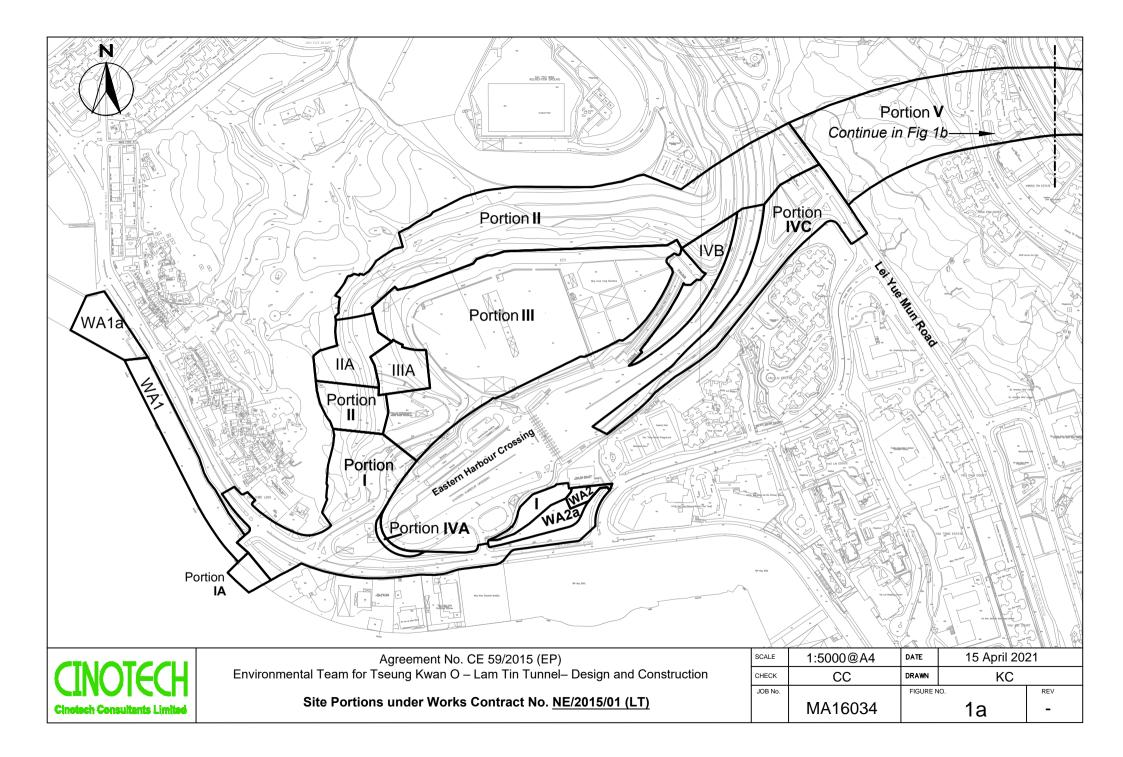
- To provide and display the Environmental Permit for the marine barge.
- To update the Environmental Permit displayed on crane barge.

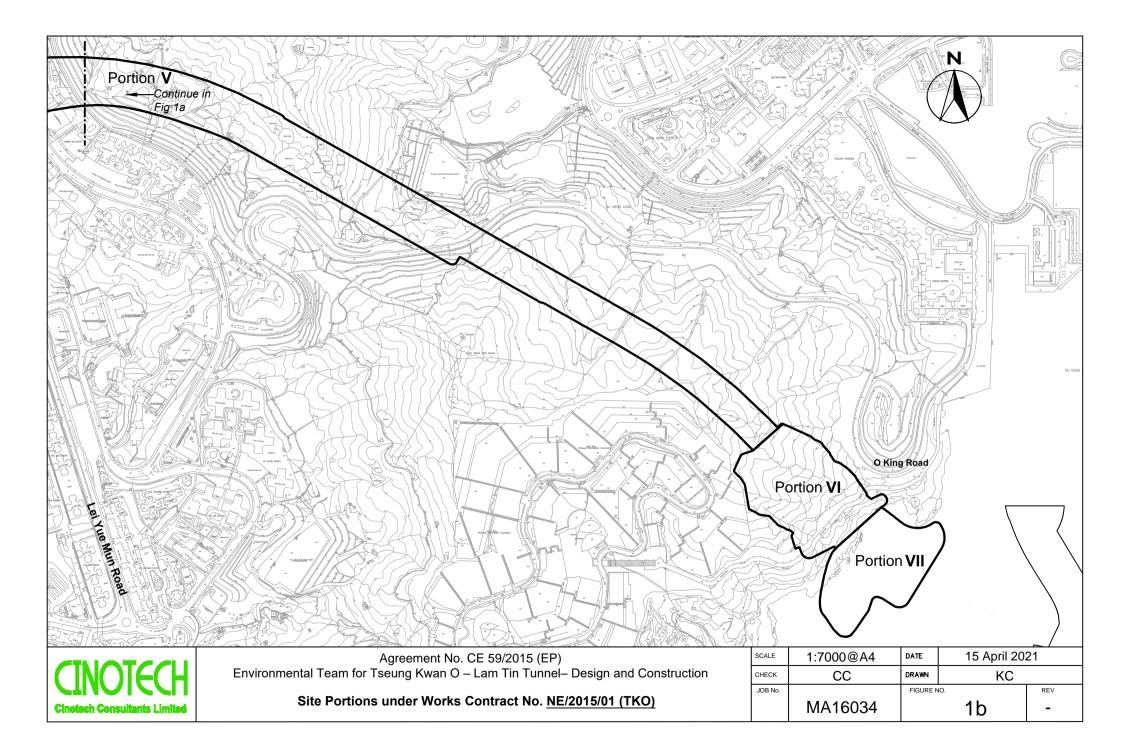
#### Cultural Heritage

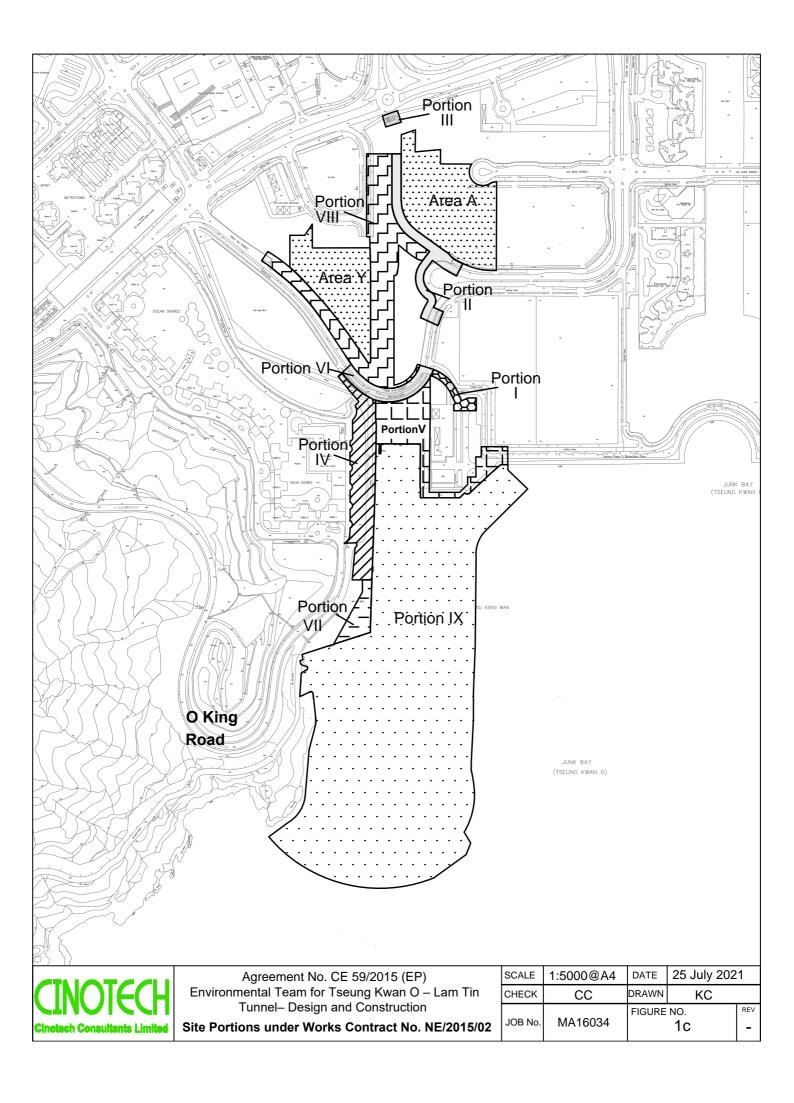
• To properly set up fenced-off buffer zone around Tin Hau Temple.

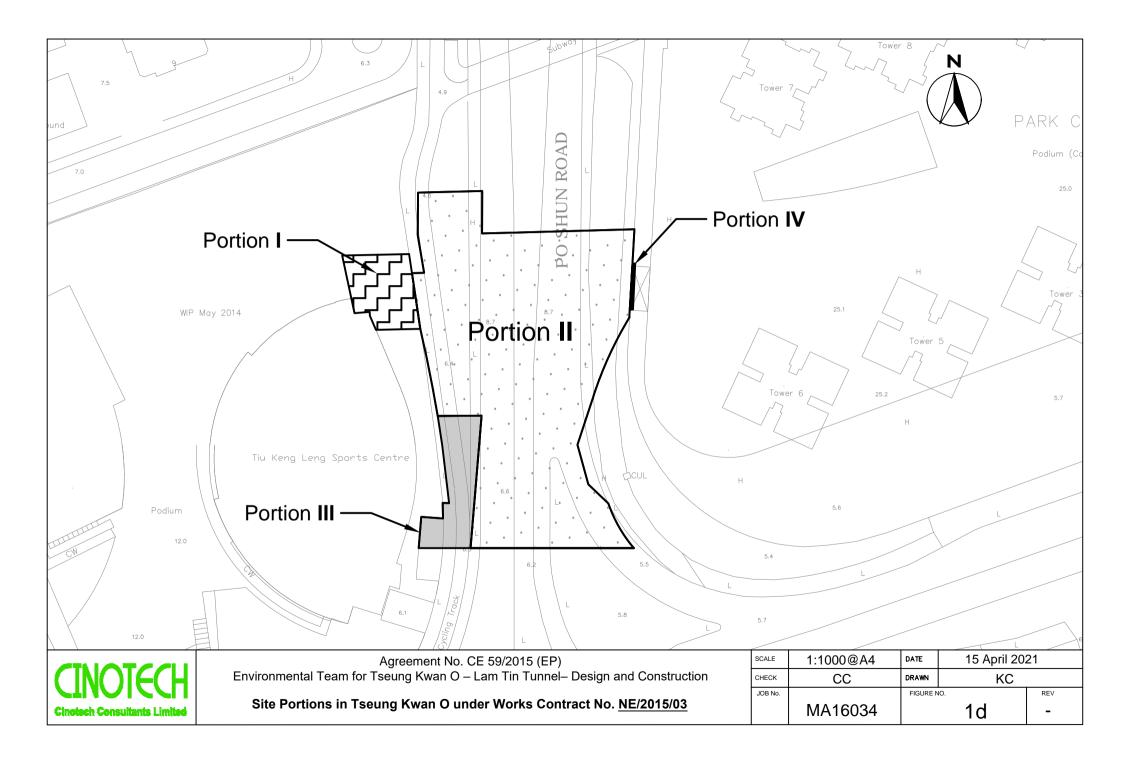
FIGURES

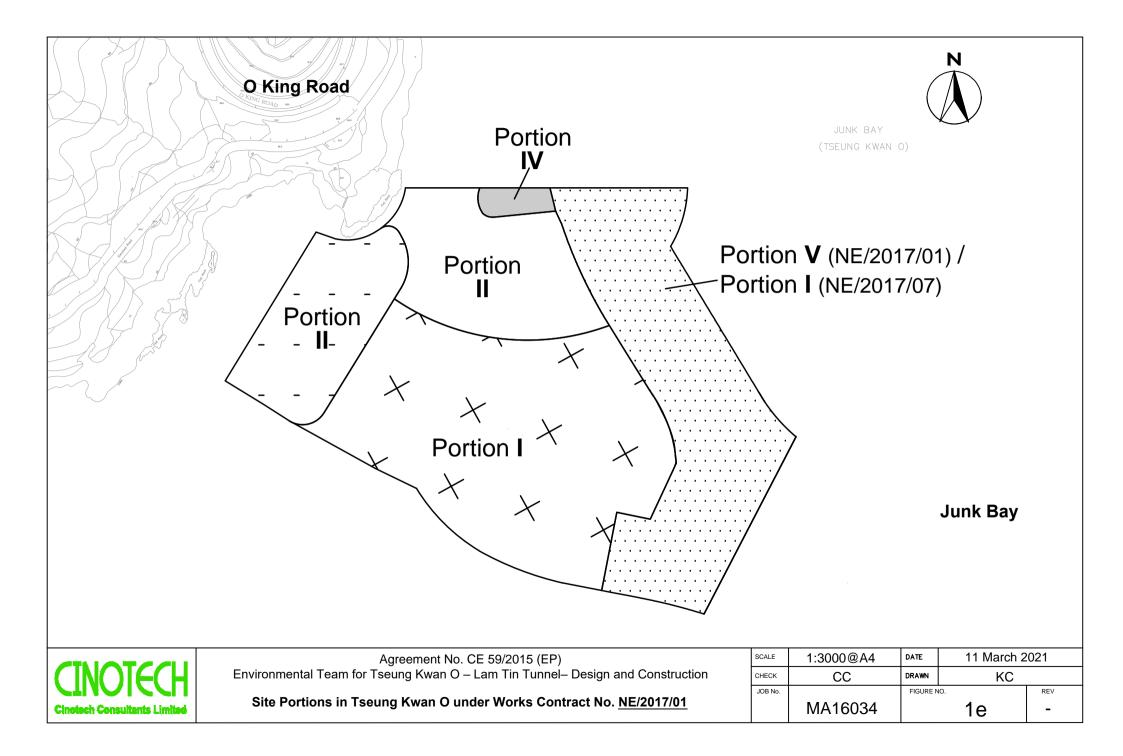


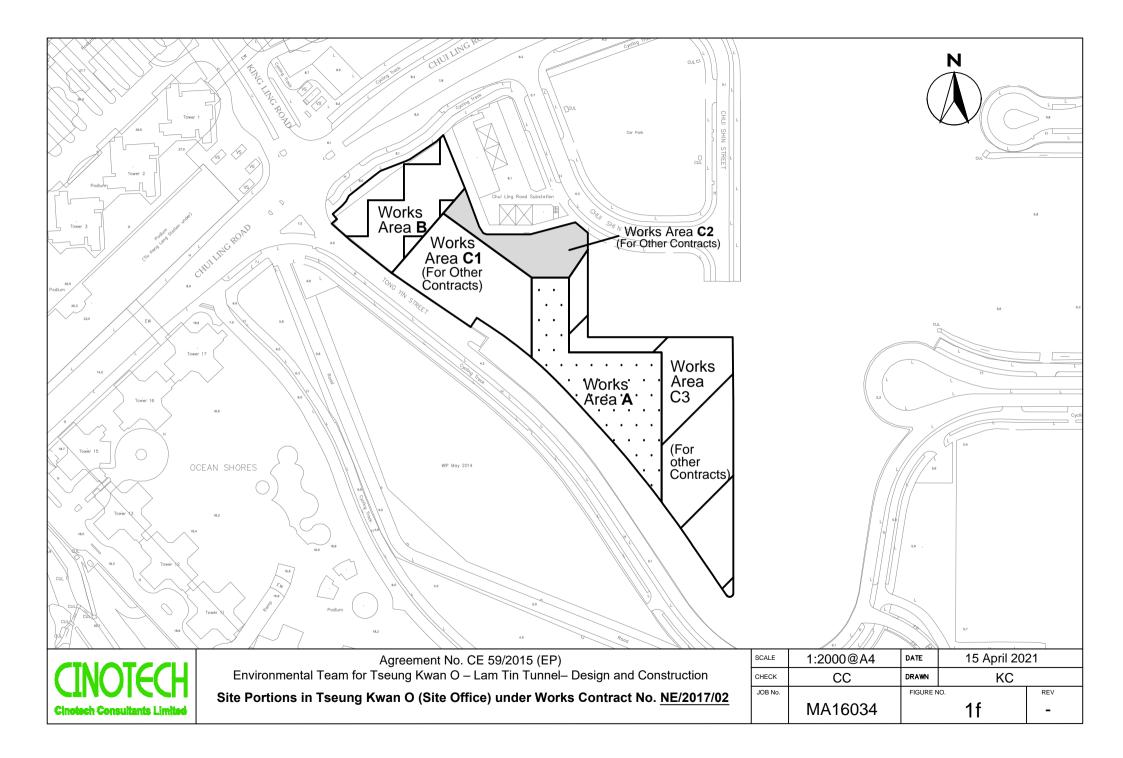


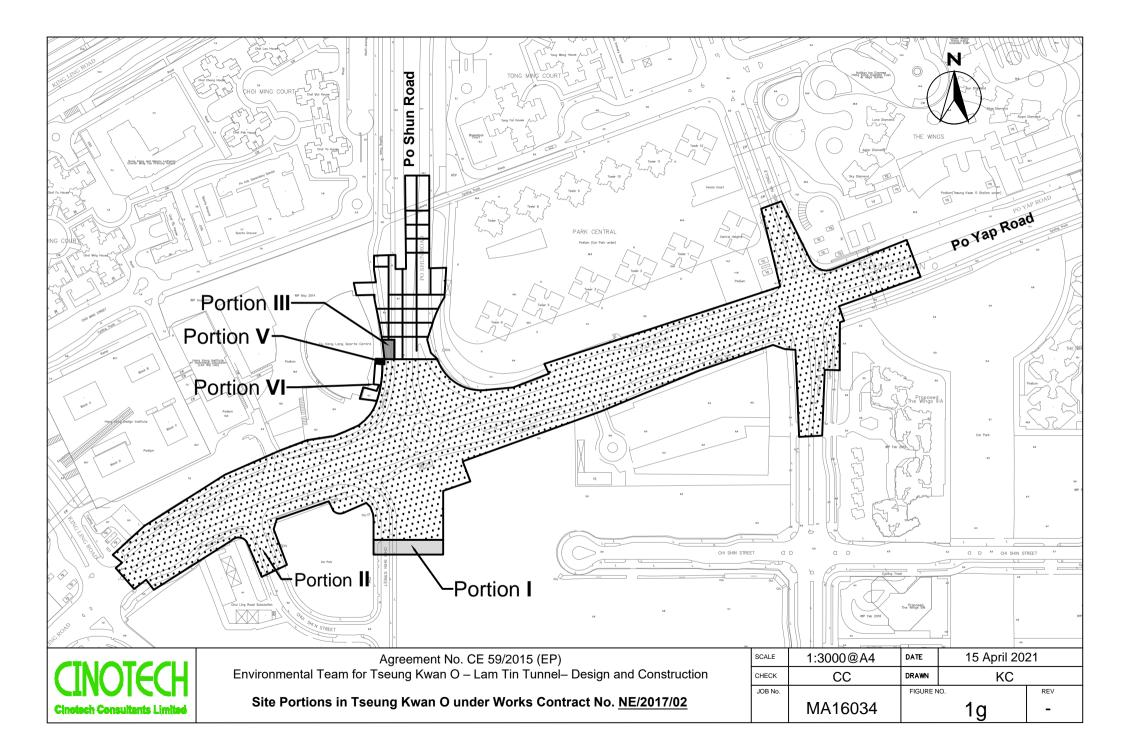


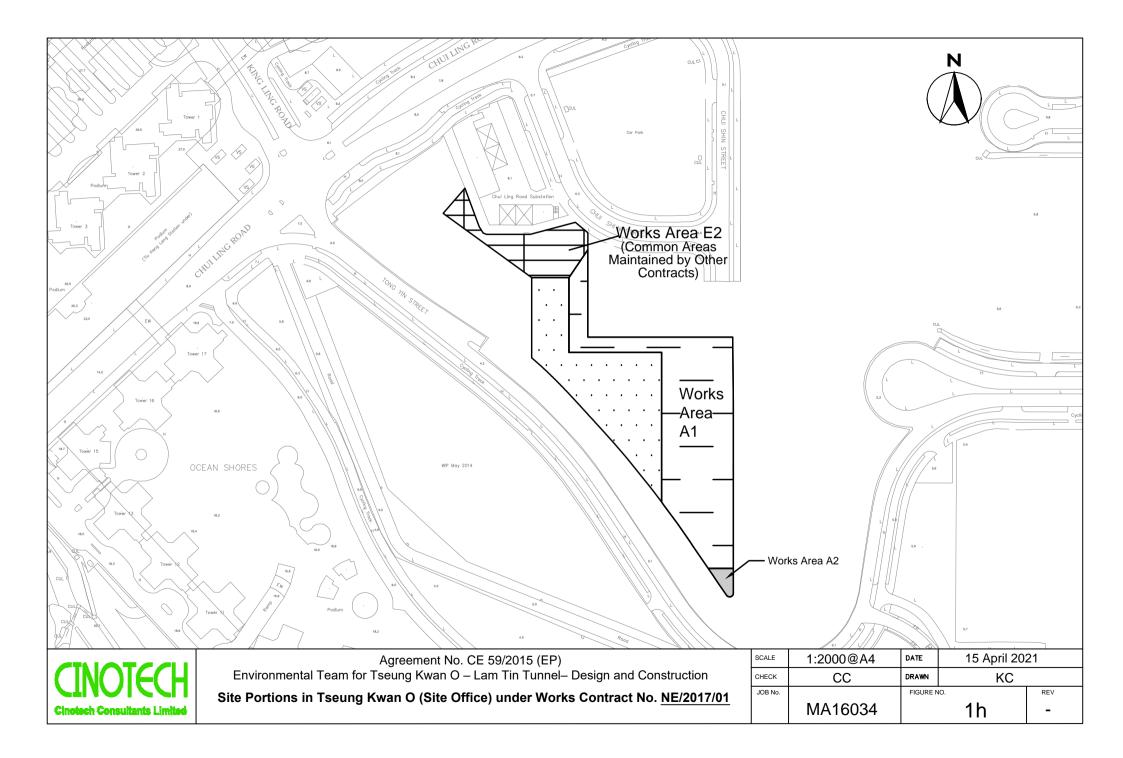


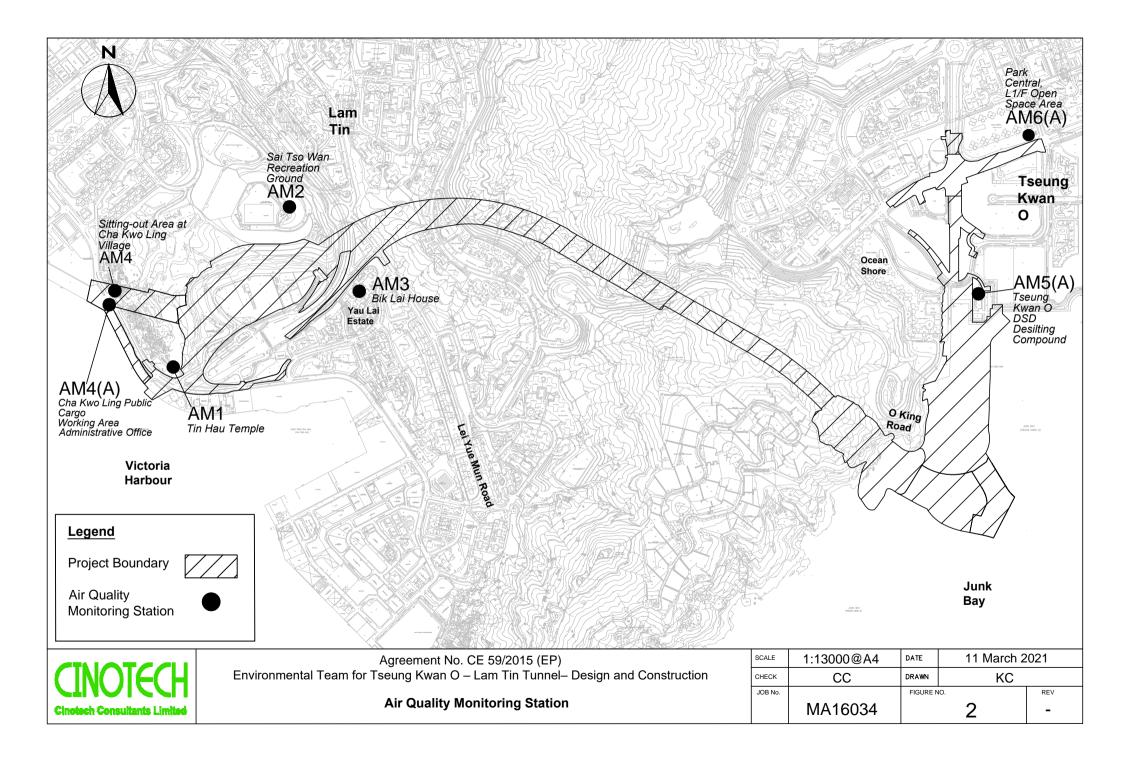


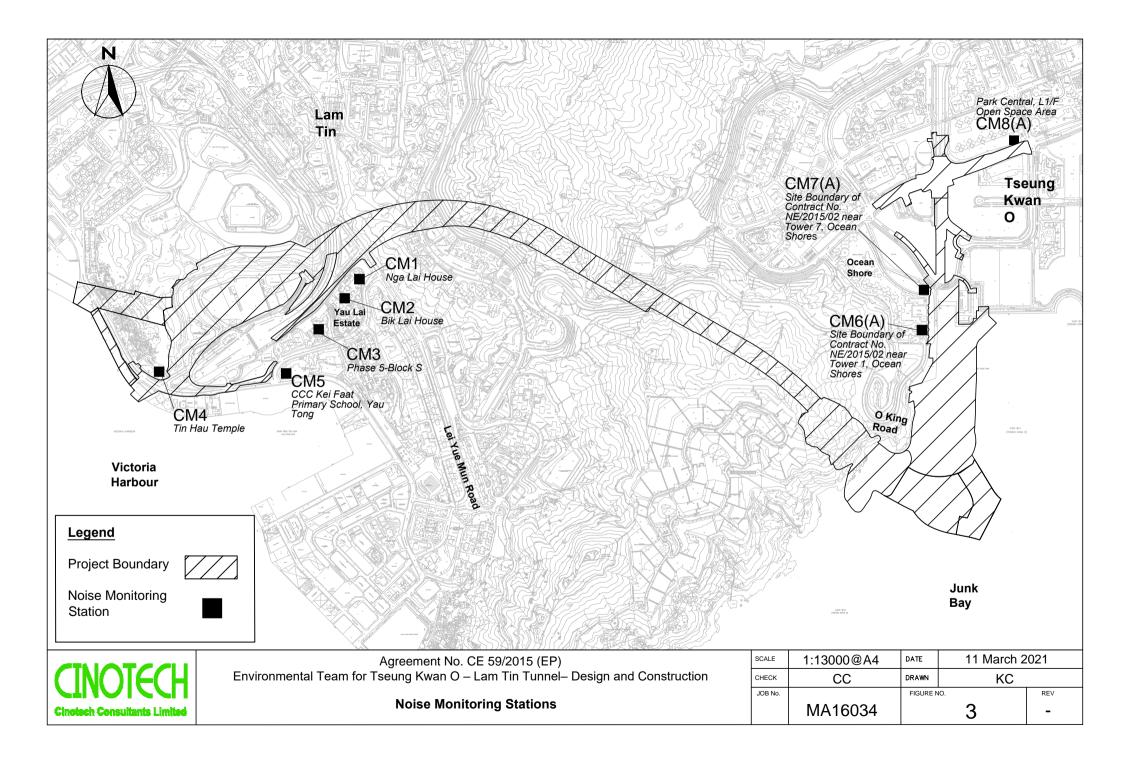


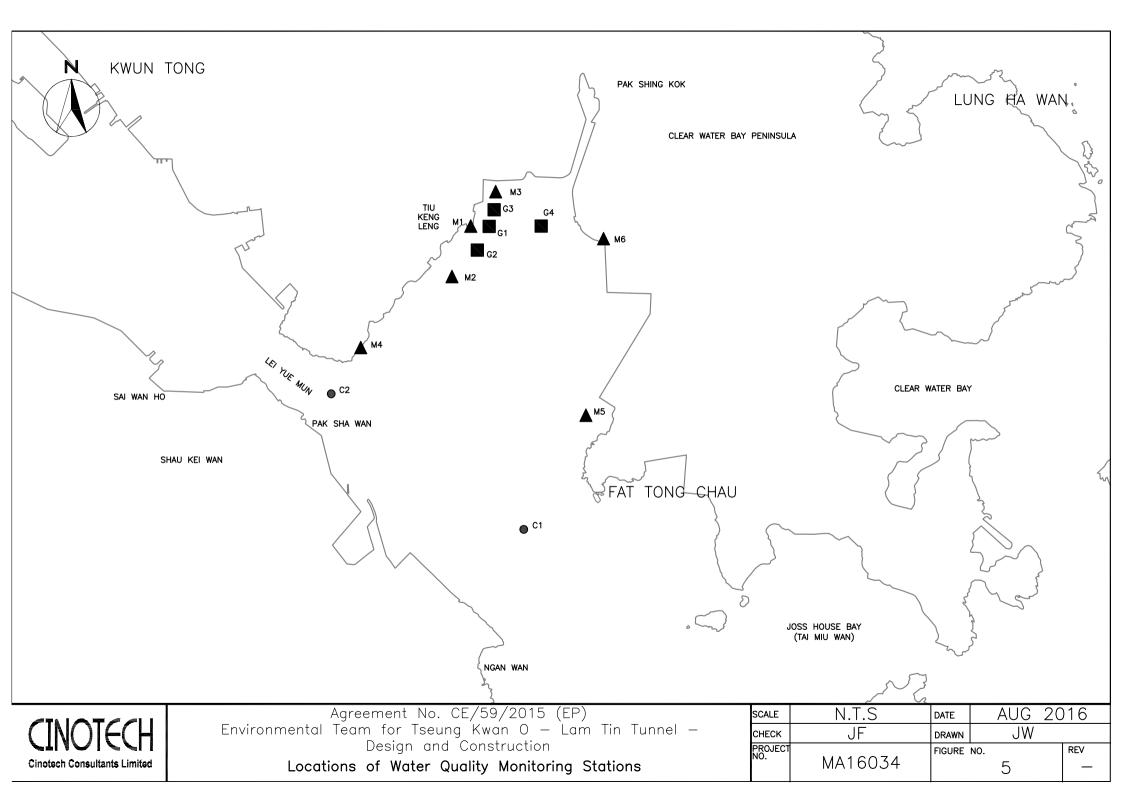


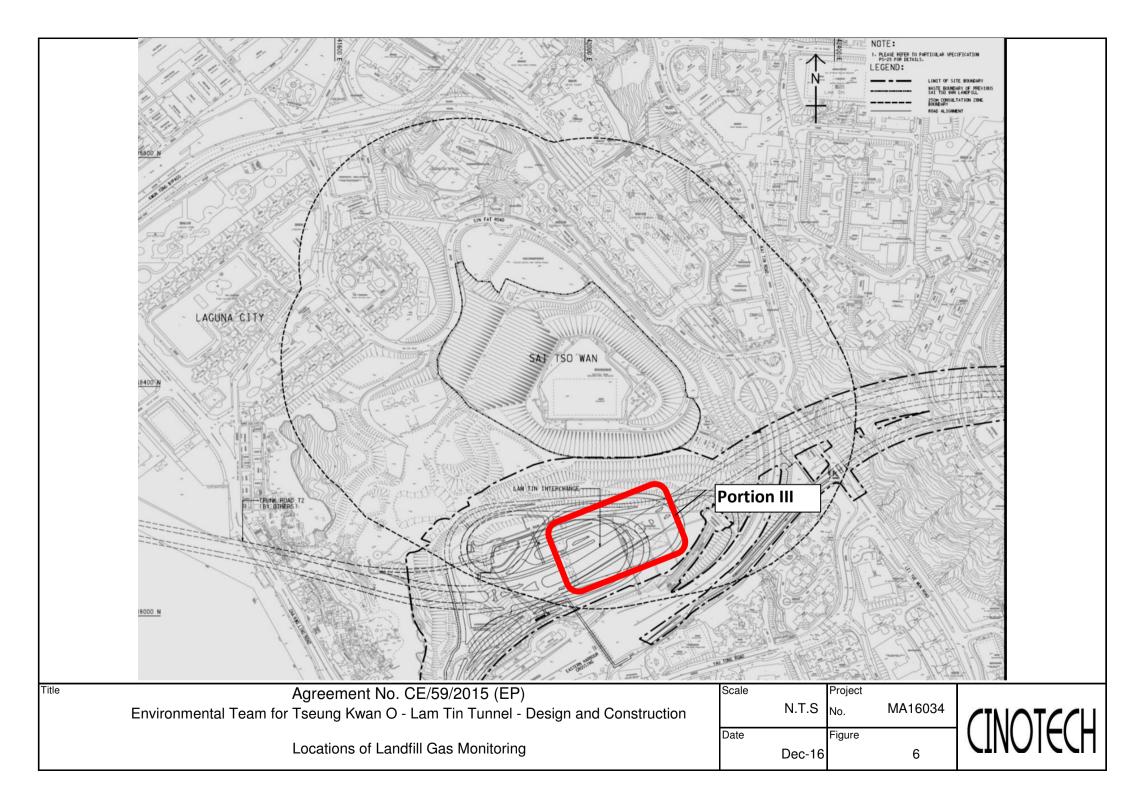


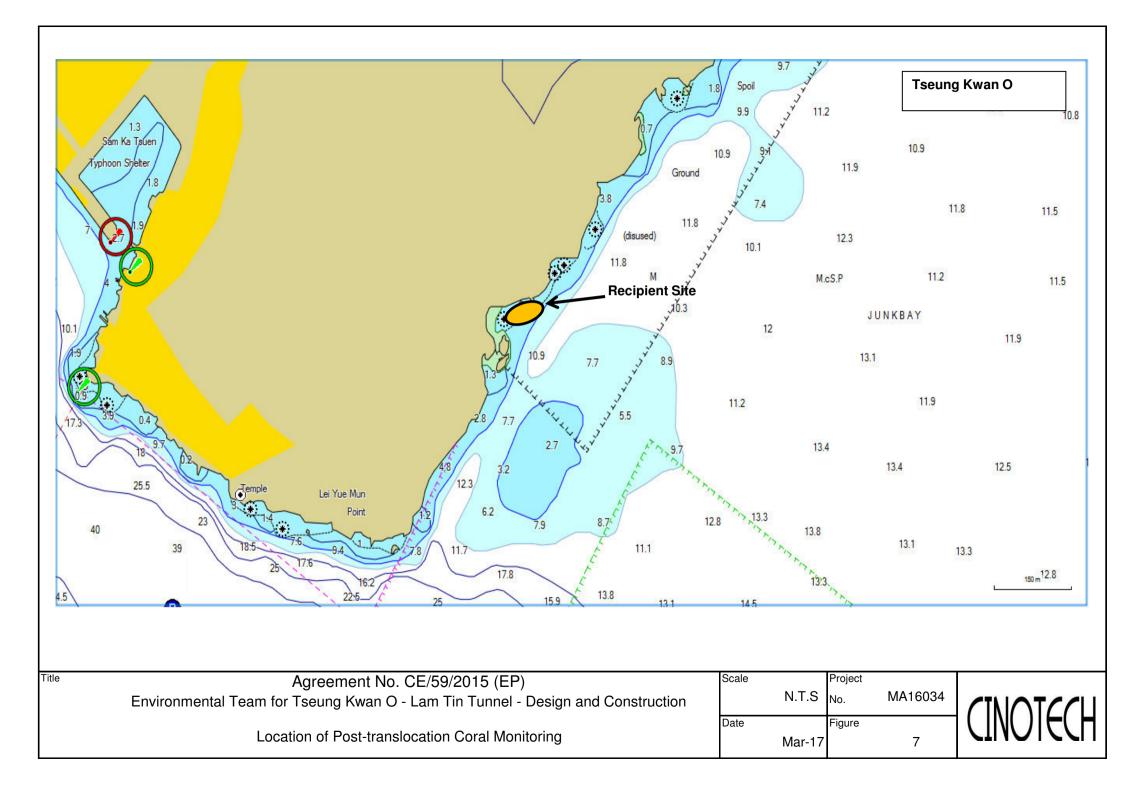


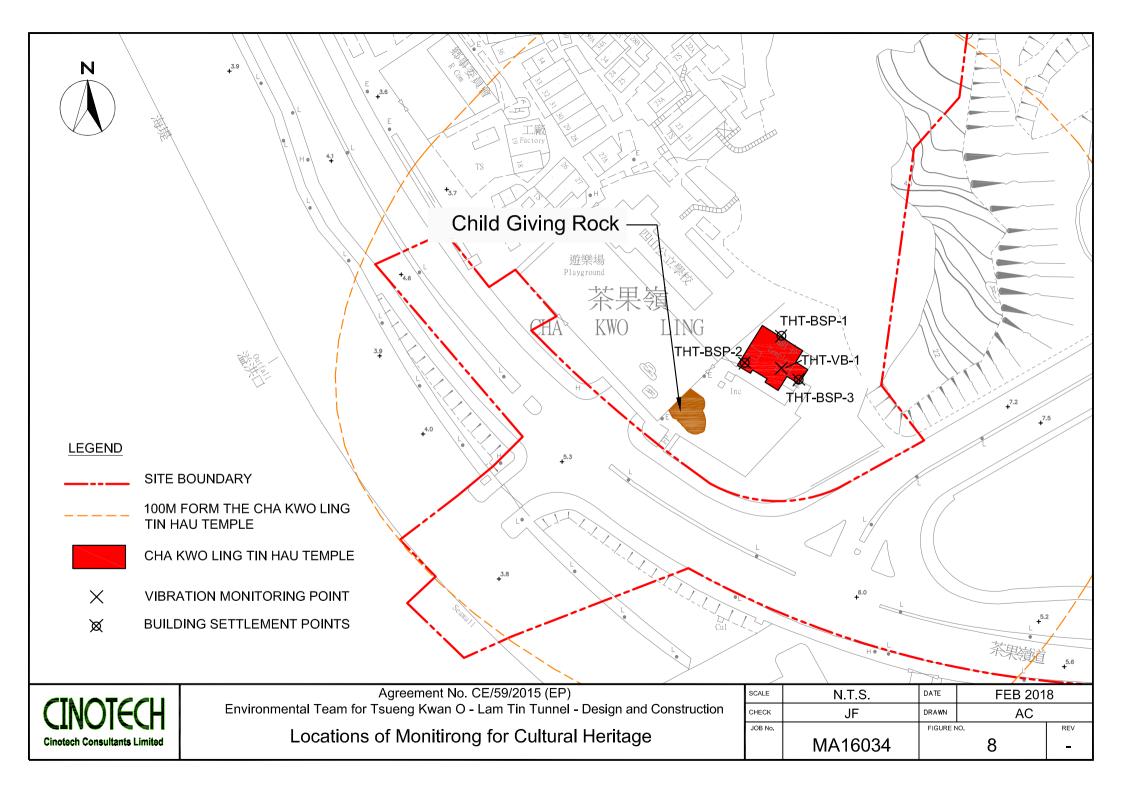












N		Legend
	Cean Shore	<ul> <li>MARINE AREA EMBAYED BY RECLAMATION</li> <li>O KING ROAD</li> <li>LOCATION OF OUTFALL</li> <li>MONITORING STATION W2</li> </ul>
CINOTECH Cinotech Consultants Limited	Agreement No. CE/59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel - Design and Construction Location of Embayment formed by Reclamation and Monitoring Station W2	scale 1:4000@A4 date NOV 2019 check BC drawn KC PROJECT MA16034 FIGURE NO. REV 0. MA16034 9 -

APPENDIX A MONITORING REQUIREMENTS

# **Appendix A - Environmental Impact Monitoring Requirements**

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Air Quality	1 hour TSP	Three times / 6 days	<ul> <li>AM1 – Tin Hau Temple</li> <li>AM2 – Sai Tso Wan Recreation Ground</li> <li>AM3 – Yau Lai Estate Bik Lai House</li> <li>AM4<sup>(1)</sup> – Road Traffic at Cha Kwo Ling Road</li> <li>AM4(A)<sup>(2)(*)</sup> – Cha Kwo Ling Public Cargo Working Area</li> </ul>	<ul> <li>AM1 – Ground Level</li> <li>AM2 – Ground Level</li> <li>AM3 – Rooftop (41/F)</li> <li>AM4<sup>(1)</sup> – Ground Level</li> <li>AM4(A)<sup>(2)(*)</sup> – Rooftop (3/F)</li> </ul>
	24 hour TSP	Once / 6 days	<ul> <li>Administrative Office</li> <li>AM5(A)<sup>(*)</sup> – Tseung Kwan O DSD Desilting Compound</li> <li>AM6(A)<sup>(*)</sup> – Park Central, L1/F Open Space Area</li> </ul>	<ul> <li>AM5(A) <sup>(*)</sup> – Ground Level</li> <li>AM6(A) <sup>(*)</sup> – 1/F</li> </ul>

Remarks: (1) For 1-hour TSP monitoring; (2) For 24-hour TSP monitoring

(\*) Air quality monitoring at designated station AM4(24-hr TSP), AM5 and AM6 was rejected by the premise owners. Therefore, baseline and impact air quality monitoring works were carried

out at alternative air quality monitoring stations AM4(A) (24-hr TSP only), AM5(A) and AM6(A) respectively.

### **Table II – Noise Monitoring**

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Construction Noise	L <sub>eq</sub> , L <sub>90</sub> & L <sub>10</sub> at 30 minute intervals during 0700 to 1900 on normal weekdays	Once per week	<ul> <li>CM1 – Nga Lai House, Yau Lai Estate Phase 1, Yau Tong</li> <li>CM2 – Bik Lai House, Yau Lai Estate Phase 1, Yau Tong</li> <li>CM3 – Block S, Yau Lai Estate Phase 5, Yau Tong</li> <li>CM4 – Tin Hau Temple, Cha Kwo Ling</li> <li>CM5 – CCC Kei Faat Primary School, Yau Tong</li> <li>CM6(A)* – Site Boundary of Contract No. NE/2015/02 near Tower 1, Ocean Shores</li> <li>CM7(A)* – Site Boundary of Contract No. NE/2015/02 near Tower 7, Ocean Shores</li> <li>CM8(A)* –Park Central, L1/F Open Space Area</li> </ul>	<ul> <li>CM1 – Rooftop (41/F)</li> <li>CM2 – Rooftop (41/F)</li> <li>CM3 – Rooftop (40/F)</li> <li>CM4 – Ground Level</li> <li>CM5 – Rooftop (6/F)</li> <li>CM6(A)* – Ground Level</li> <li>CM7(A)* – Ground Level CM8(A)* – 1/F</li> </ul>

Remarks: \*Noise monitoring at designated station CM6, CM7 & CM8 was rejected by the premise owners. Therefore, baseline and impact noise monitoring works were carried out at alternative noise monitoring stations CM6(A), CM7(A) and CM8(A) respectively.

Monitoring Stations	Parameters, unit	Depth	Frequency
Groundwater Quality	y	·	
Stream 1- Stream 3	<ul> <li>DO, mg/L</li> <li>DO Saturation, %</li> <li>pH</li> <li>Water Temperature (°C)</li> <li>Turbidity, NTU</li> <li>SS, mg/L</li> <li>BOD<sub>5</sub>, mg O<sub>2</sub>/L</li> <li>TOC, mg-TOC/L</li> <li>Total Nitrogen, mg/L</li> <li>Ammonia-N, mg NH<sub>3</sub>-N/L</li> <li>Total Phosphate, mg-P/L</li> </ul>	Mid-depth	Biweekly (When the tunnel construction works are found within 50m of the location, weekly.)
Marine Water Qualit	у		
M1 M2 M3 M4 M5 M6 C1 C2 G1 C2 G1 G2 G3 G4	<u>In-situ:</u> Dissolved oxygen (DO) concentration, DO saturation, turbidity, pH, temperature and salinity <u>Laboratory Testing:</u> Suspended Solids (SS)	<ul> <li><u>M1-M5, C1-C2, G1-G4</u></li> <li>3 water depths: 1m below water surface, mid-depth and 1m above sea bed.</li> <li>If the water depth is less than 3m, mid-depth sampling only.</li> <li>If the water depth is less than 6m, omit mid-depth sampling. <u>M6</u></li> <li>at the vertical level where the water abstraction point of the intake is located(i.e. approximately mid-depth level)</li> </ul>	3 days per week / 2 per monitoring day (1 for mid-ebb and 1 for mid- flood)

# Table III – Water Quality Monitoring

# Table IV –Landfill Gas Monitoring

Type of Monitoring	Parameter	Frequency	Location
Landfill Gas	Methane, Carbon dioxide and Oxygen	at least daily before starting the work of the day	<ul> <li>Excavation Locations</li> <li>Manholes and Chambers</li> <li>Relocation of monitoring wells</li> <li>Any other Confined Spaces</li> </ul>

# **Table V** – **Ecological Monitoring**

Type of Monitoring	Parameter	Frequency
Marine Ecology	The presence, survival, health condition and growth of the translocated coral colonies	Once every 3 months after completion for a period of 12 months

APPENDIX B ACTION AND LIMIT LEVELS

### **APPENDIX B – Action and Limit Levels**

### Air Quality

### 1-hr TSP

Monitoring Stations	Location	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM1	Tin Hau Temple	275	
AM2	Sai Tso Wan Recreation Ground	273	
AM3	Yau Lai Estate Bik Lai House	271	500
AM4	Sitting-out Area at Cha Kwo Ling Village	278	500
AM5(A)	Tseung Kwan O DSD Desilting Compound	273	
AM6(A)	Park Central, L1/F Open Space Area	285	

#### 24-hr TSP

Monitoring Stations	Location	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM1	Tin Hau Temple	173	
AM2	Sai Tso Wan Recreation Ground	192	
AM3	Yau Lai Estate Bik Lai House	167	
AM4(A)	Cha Kwo Ling Public Cargo Working Area Administrative Office	210	260
AM5(A)	Tseung Kwan O DSD Desilting Compound	175	
AM6(A)	Park Central, L1/F Open Space Area	165	

### <u>Noise</u>

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented	75 dB(A) <sup>(1)</sup>
1900-2300 on all days and 0700-2300 on general holidays (including Sundays)	complaint is received from any one of the	60/65/70 dB(A) <sup>(2)(3)</sup>
2300-0700 on all days	monitoring stations	45/50/55 dB(A) <sup>(2)(3)</sup>

<sup>1</sup>70 dB(A) for schools and 65 dB(A) for schools during examination period.

<sup>2</sup> Acceptable Noise Levels for Area Sensitivity Rating of A/B/C

<sup>3</sup> If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

### Water Quality

### Groundwater

Parameters	Action	Limit	
DO in mg L <sup>-1</sup>	7.6	7.6	
рН	6.0 - 8.9	6.0 - 9.0	
BOD <sub>5</sub> in mg L <sup>-1</sup>	2.0	2.0	
	Stream 1 and Stream 2: 9	Stream 1 and Stream 2: 9	
TOC in mg L <sup>-1</sup>	Stream 3: 6	Stream 3: 6	
Total Nitrogen in mg L <sup>-1</sup>	2.0	2.1	
Ammonia-N in mg L <sup>-1</sup>	0.15	0.20	
Total Phosphate in mg L <sup>-1</sup>	0.05	0.05	
SS in mg L <sup>-1</sup>	7.6	12.1	
Turbidity in NTU	2.1	2.3	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

2. For turbidity, SS, 5-day biochemical oxygen demand (BOD<sub>5</sub>), Total organic carbon (TOC), Total Nitrogen, Ammonia-N and Total Phosphate, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

3. All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered as necessary.

### Groundwater Level Monitoring

Drill Hole No.	38568-LDH1	TKO-LBH907
Action Level (mPD)	+74.65	+17.59

### Marine Water Quality

Parameter (unit)	<u>Depth</u>	Action Level	Limit Level	
	Stations G1-G4, M1-M5			
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>	
DO in mg/L (See Note 1 and 4)	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>	
	Station M6			
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>	
	Stations G1-G4	4, M1-M5	<u> </u>	
Turbidity in NTU (See Note 2 and 4)	Bottom	<u>19.3 NTU</u> or 120% of upstream control station's Turbidity at the same tide of the same day	<u>22.2 NTU</u> or 130% of upstream control station's Turbidity at the same tide of the same day	
	<u>Station M6</u>			
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>	
	Stations G1-G4			
	Surface	<u>6.0 mg/L</u> or 120% of upstream control station's SS at the same tide of the same day	<u>6.9mg/L</u> or 130% of upstream control station's SS at the same tide of the same day	
	Stations M1-M	<u>15</u>		
SS in mg/L (See Note 2 and 4)	Surface	<u>6.2 mg/L</u> or 120% of upstream control station's SS at the same tide of the same day	<u>7.4 mg/L</u> or 130% of upstream control station's SS at the same tide of the same day	
	Stations G1-G4	4, M1-M5		
	Bottom	<u>6.9 mg/L</u> or 120% of upstream control station's SS at the same tide of the same day	7.9 mg/L or 130% of upstream control station's SS at the same tide of the same day	
	Station M6	· · · · ·		
	Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.

4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

# **Ecology**

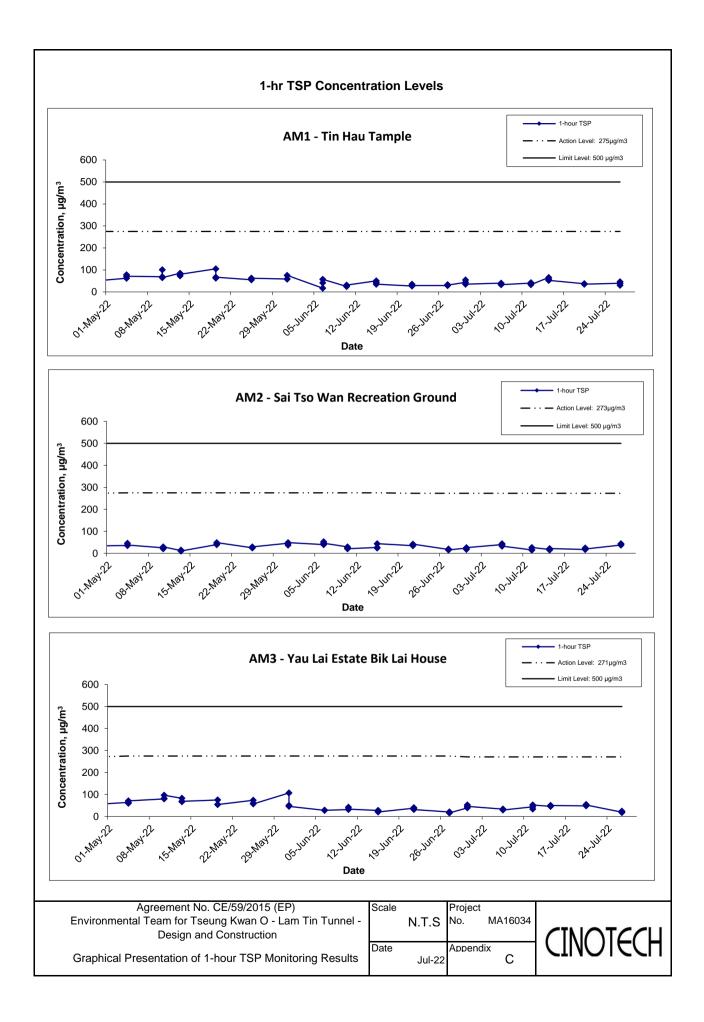
### Post-translocation Coral Monitoring

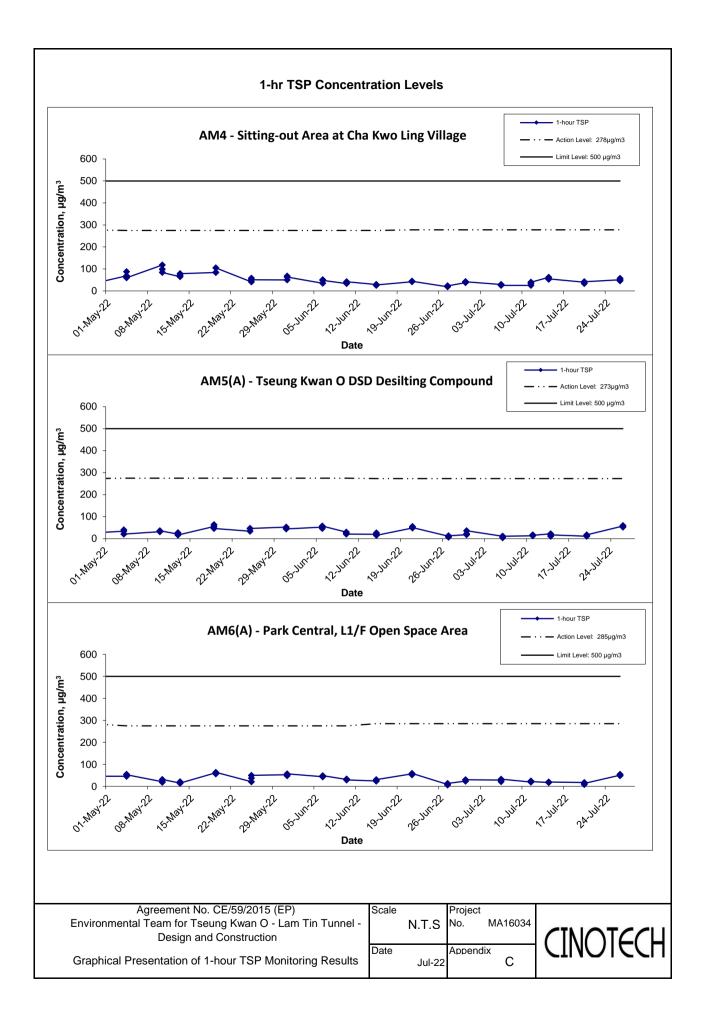
Parameter	Action Level Definition	Limit Level Definition				
Mortality	If during Impact Monitoring a 15% increase	If during the Impact Monitoring a 25%				
·	in the percentage of partial mortality on hard	increase in the percentage of partial				
	corals occurs at more than 20% of the tagged	mortality occurs at more than 20% of the				
	coral at any one Impact Monitoring Site that	tagged coral at any one Impact Monitoring				
	is not recorded at the Control Site, then the	Site that is not recorded at the Control Site,				
	Action Level is exceeded.	then the Limit Level is exceeded.				

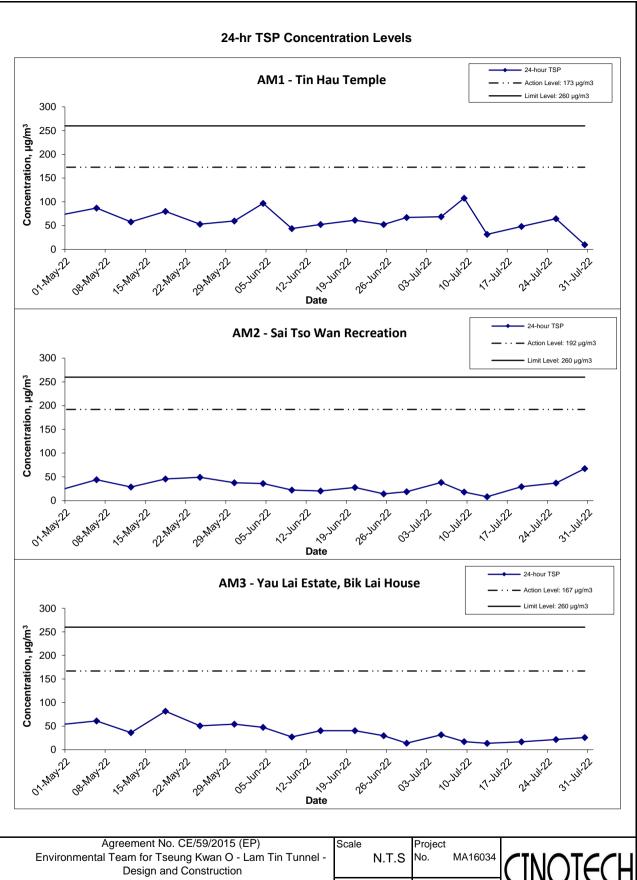
### Landfill Gas Monitoring

Parameter	Limit Level
Oxygen	<19%
	<18%
Methane	>10% LEL (i.e. > 0.5% by volume)
	>20% LEL (i.e. > 1% by volume)
Carbon	>0.5%
Dioxide	>1.5%

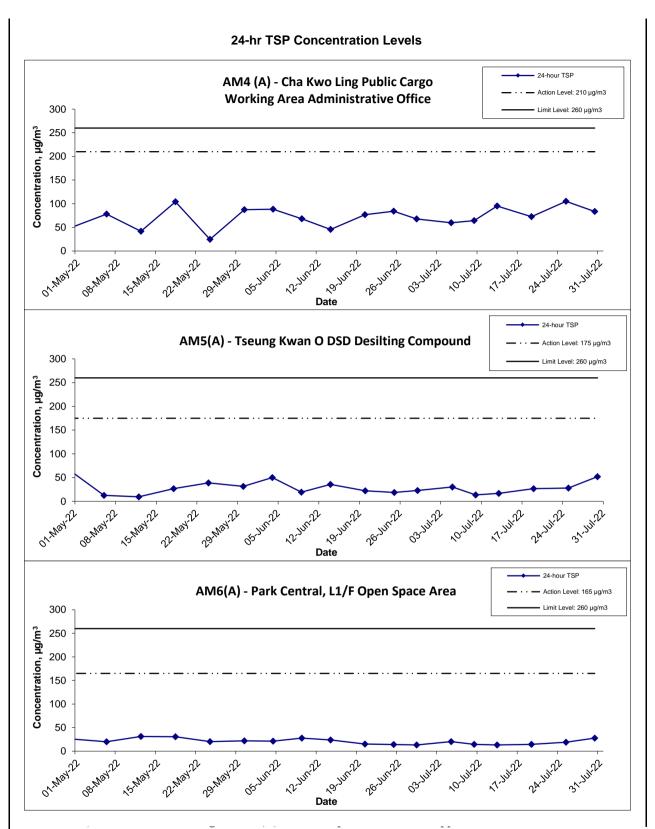
APPENDIX C GRAPHICAL PRESENTATION OF AIR QUALITY MONITORING RESULTS







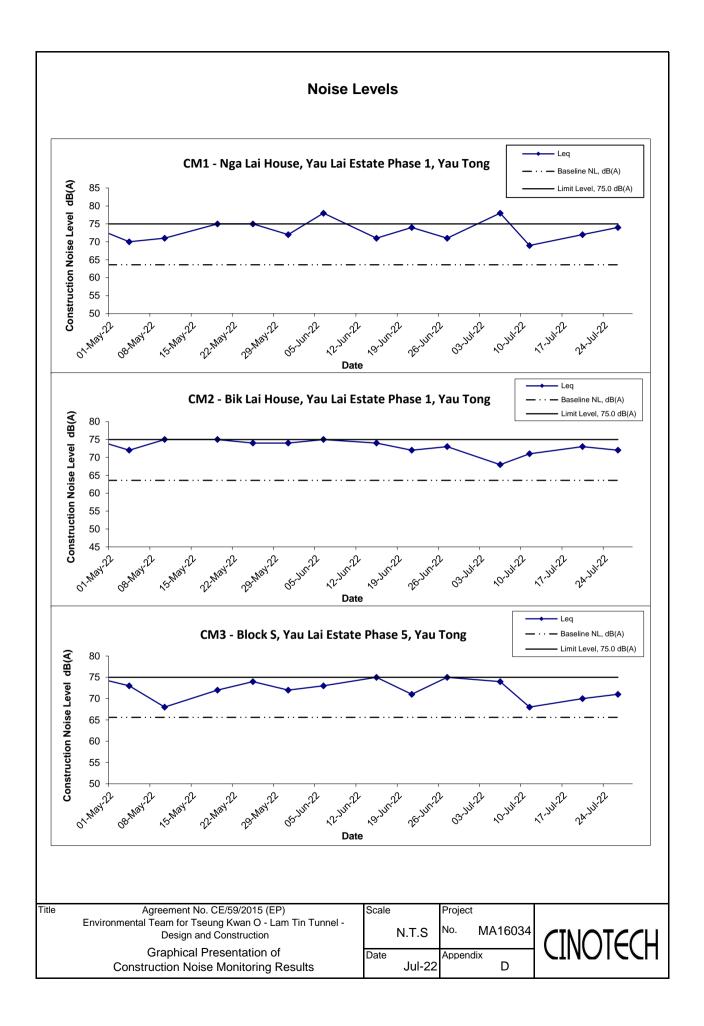
Environmental Team for Tseung Kwan O - Lam Tin Tunnel - Design and Construction		N.T.S	No. M	IA16034	CINOTE	Ή
Graphical Presentation of 24-hour TSP Monitoring Results	Date	Jul-22	Appendix	С		

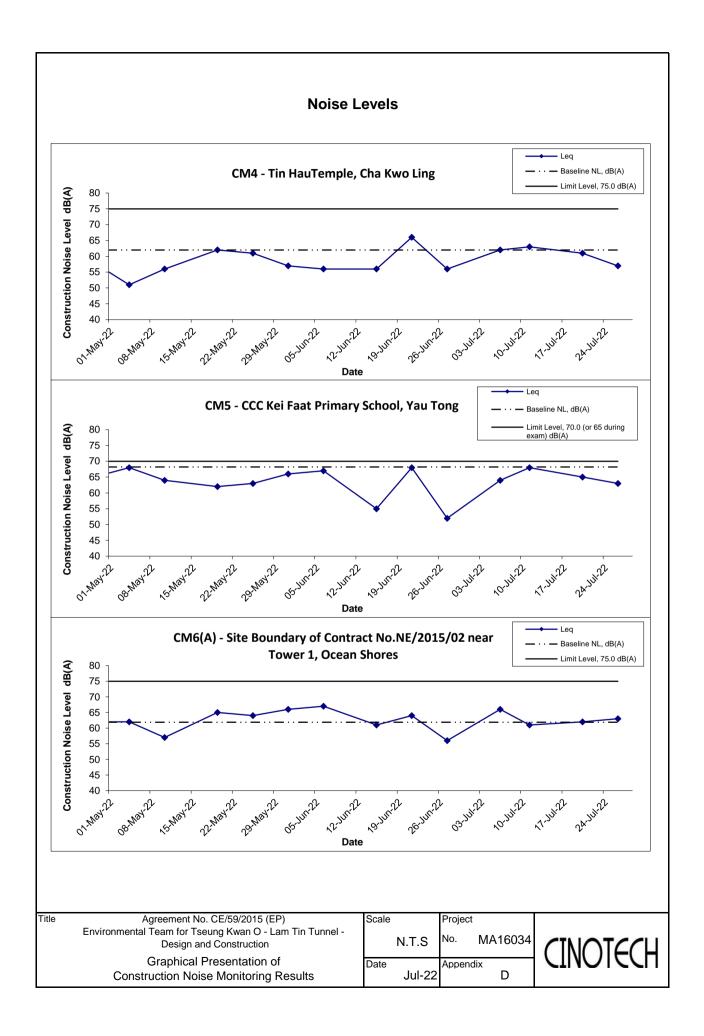


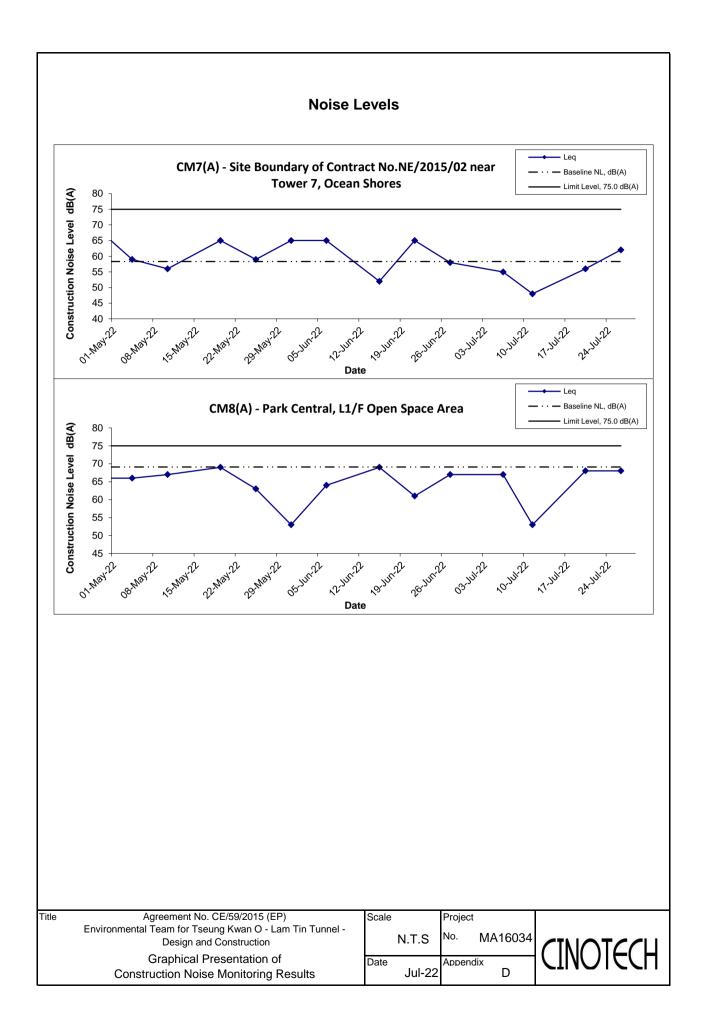
proposal for relocation is approved, the monitoring at AM4(A) will at conducted at AM4(B). For the time being, as the station CKL2 for the 24 hr TSP monitoring, carried out under EM&A works for Trunk Road T2 Project (EP-451/2013), is located in close proximity to AM4(A); the results from CKL2 are adopted as reference for the 24 TSP monitoring at AM4(A), which has similar environment when compared with that for CKL2.

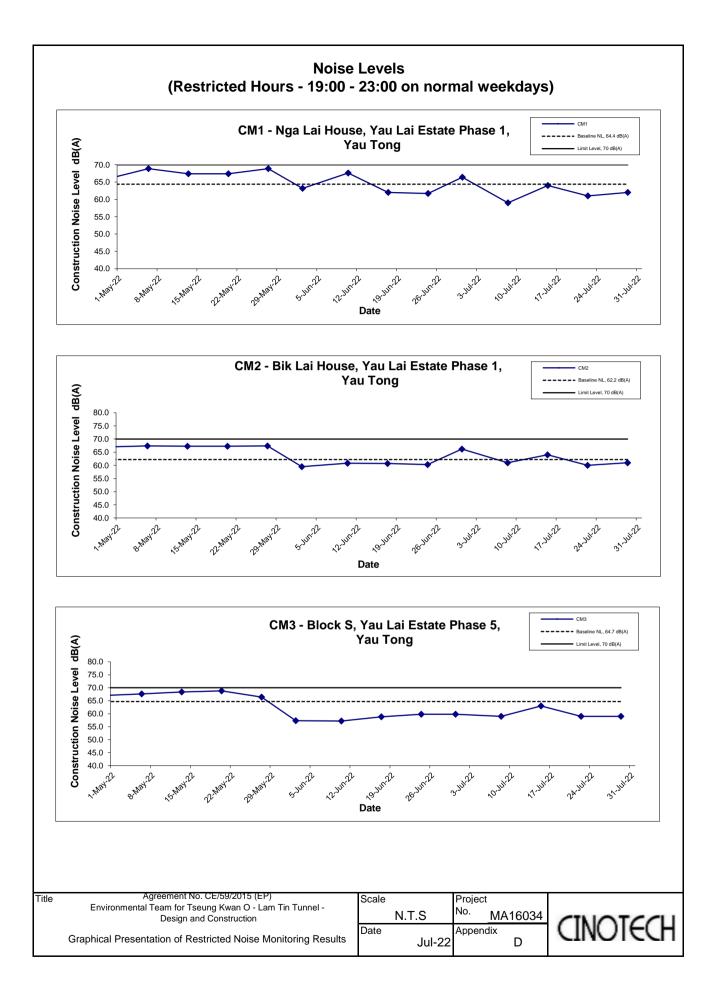
Agreement No. CE/59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel - Design and Construction	Scale	N.T.S	Project No. M	1A16034	
Graphical Presentation of 24-hour TSP Monitoring Results	Date	Jul-22	Appendix	С	

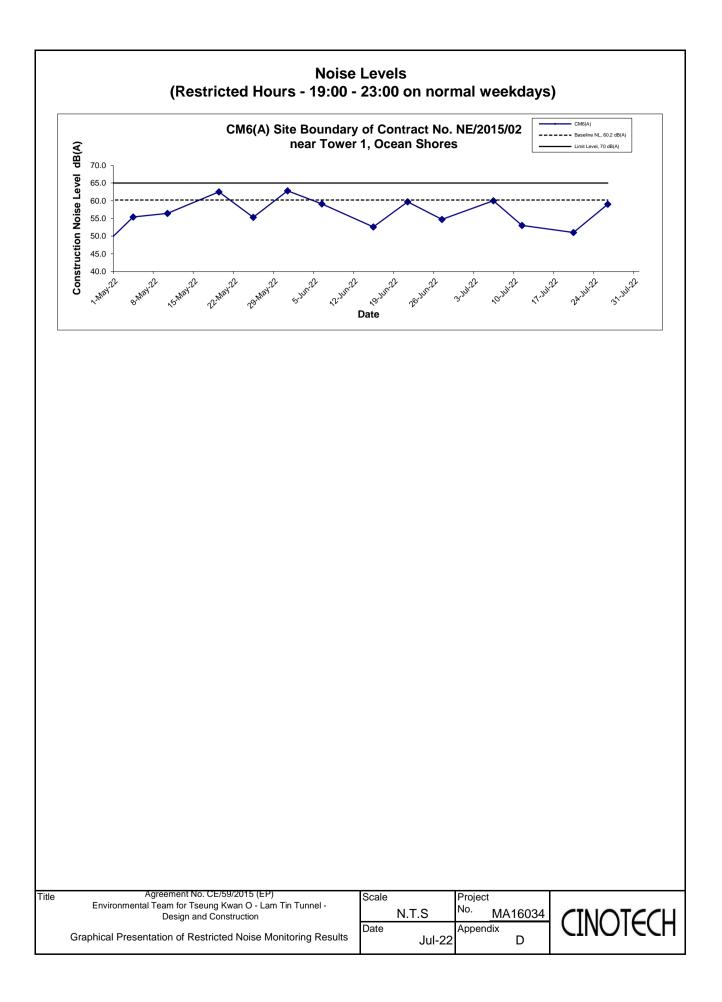
APPENDIX D GRAPHICAL PRESENTATION OF NOISE MONITORING RESULTS

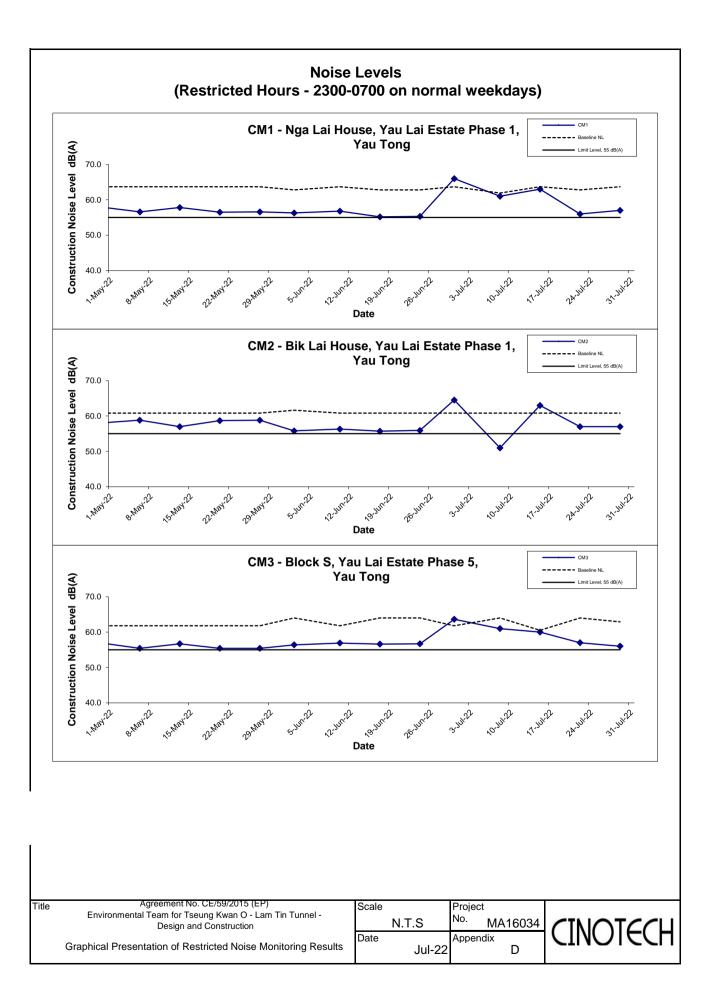




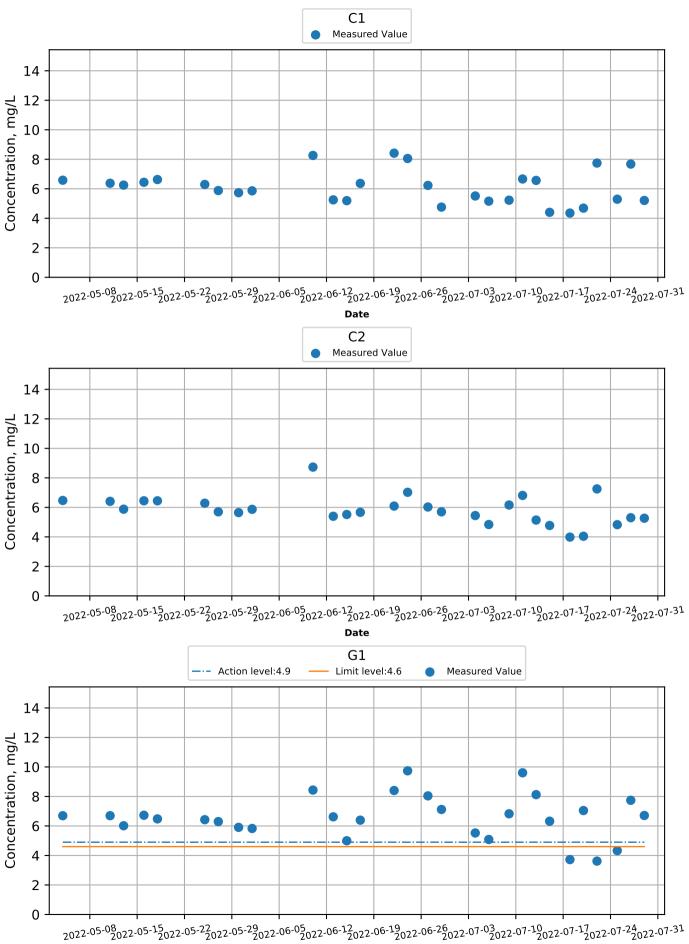


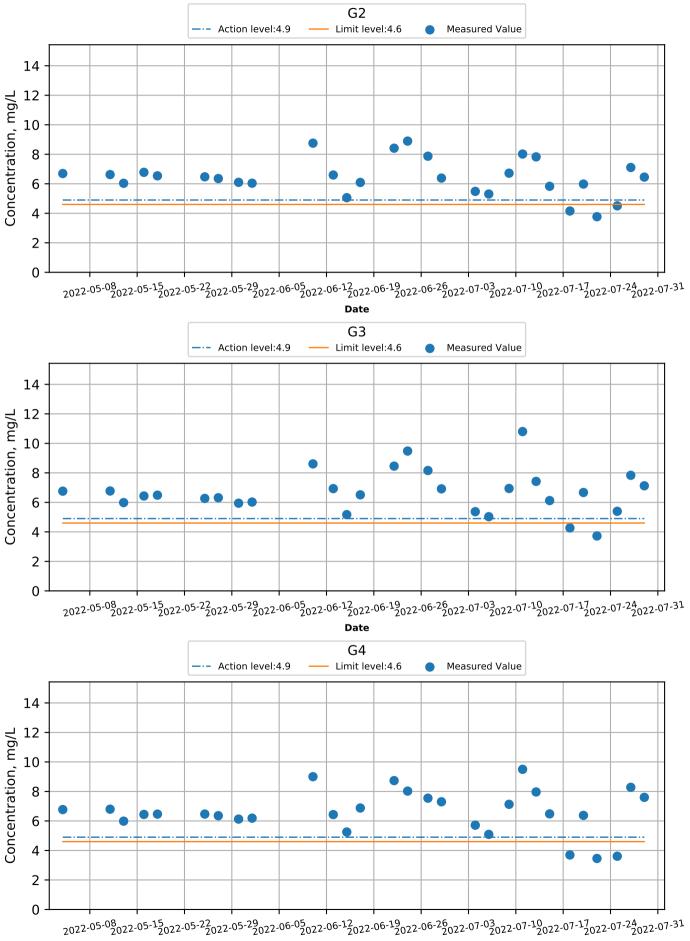


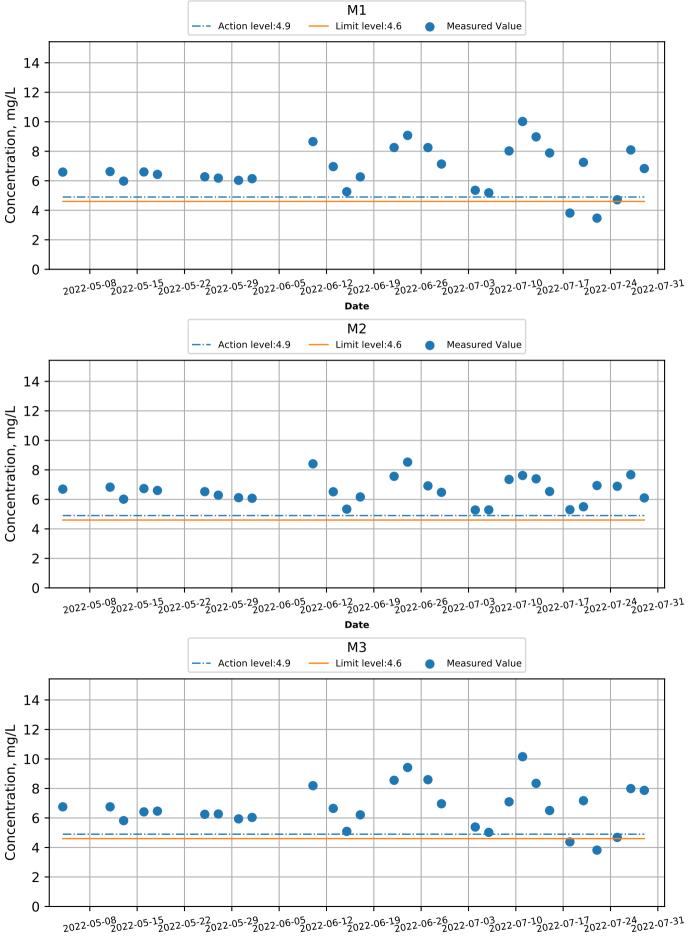


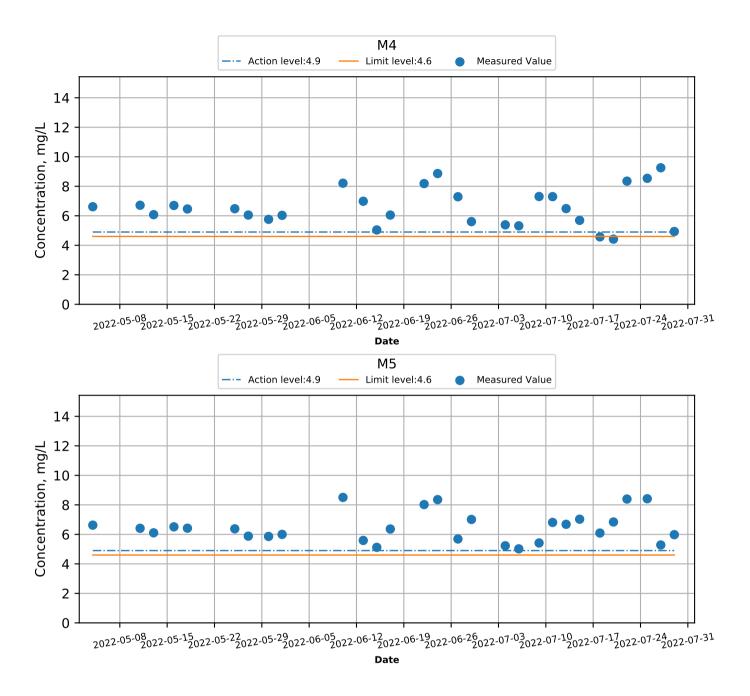


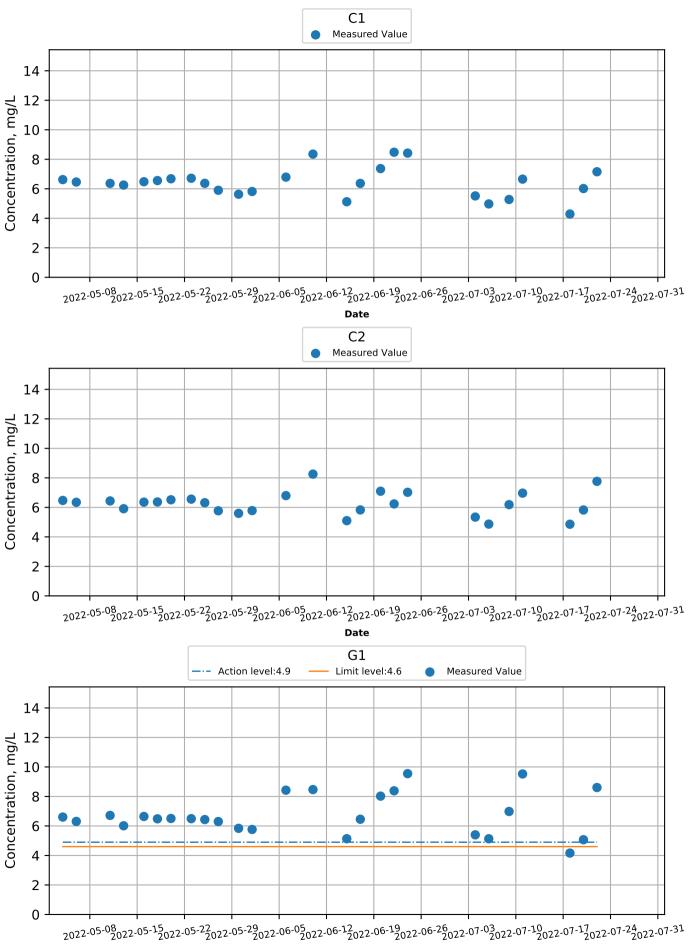
APPENDIX F GRAPHICAL PRESENTATION OF MARINE WATER QUALITY MONITORING RESULTS

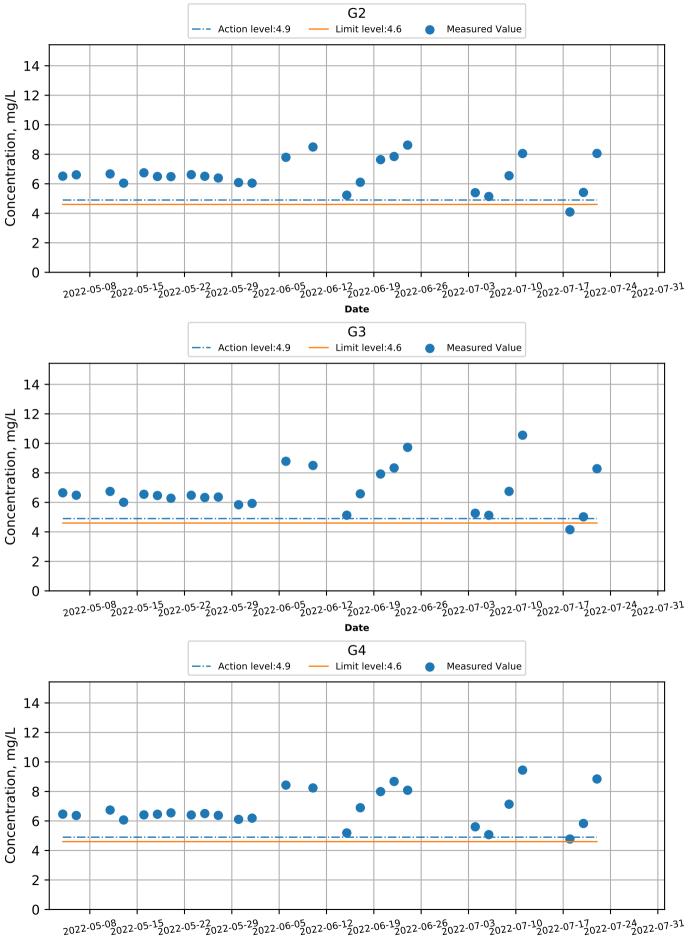


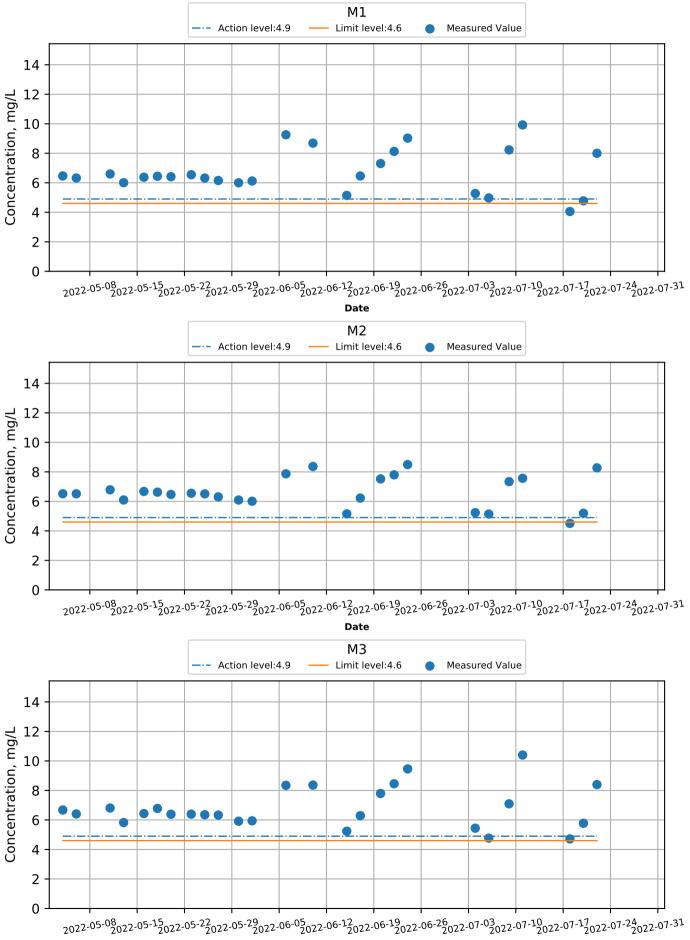


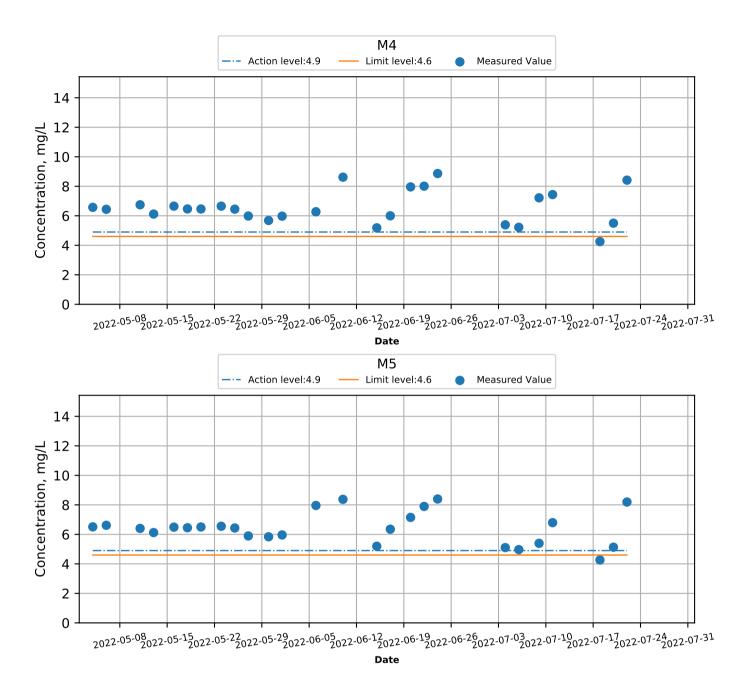


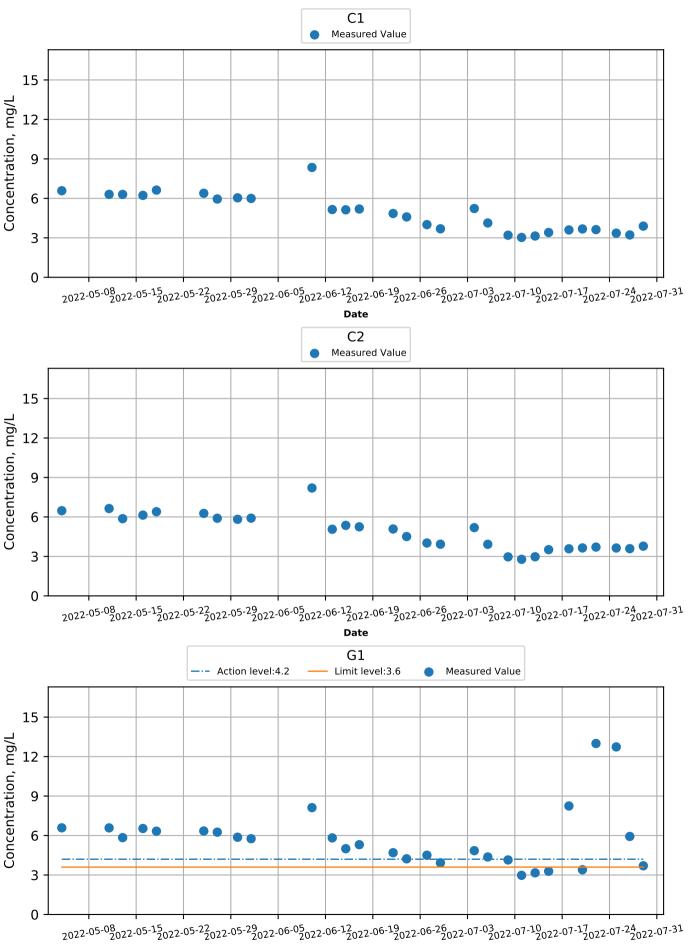


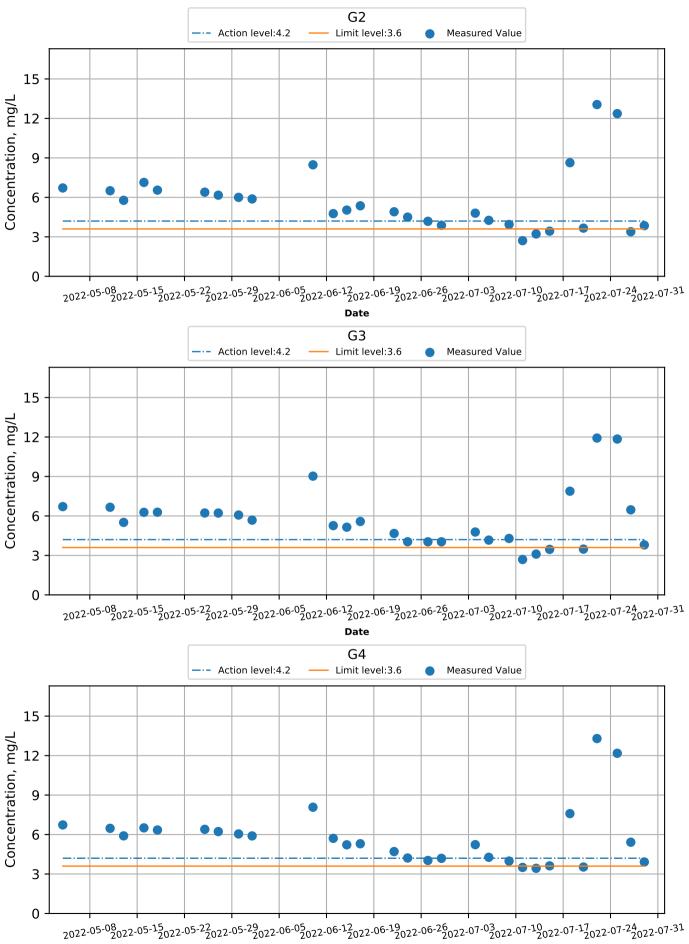


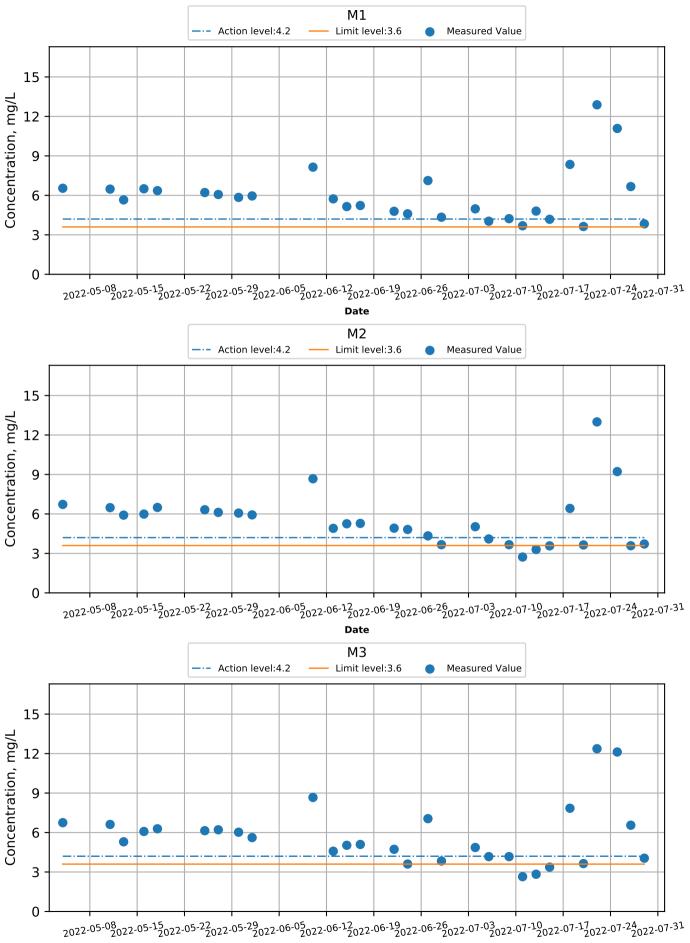


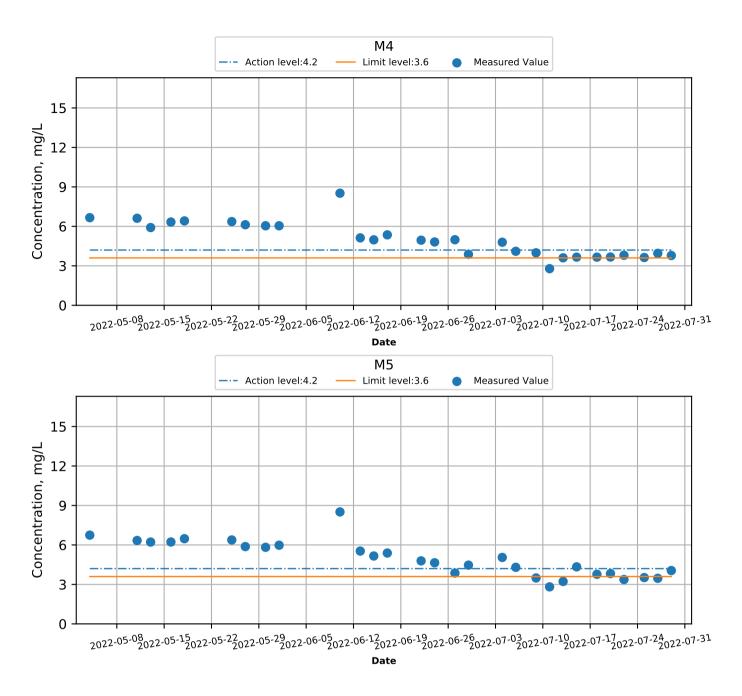


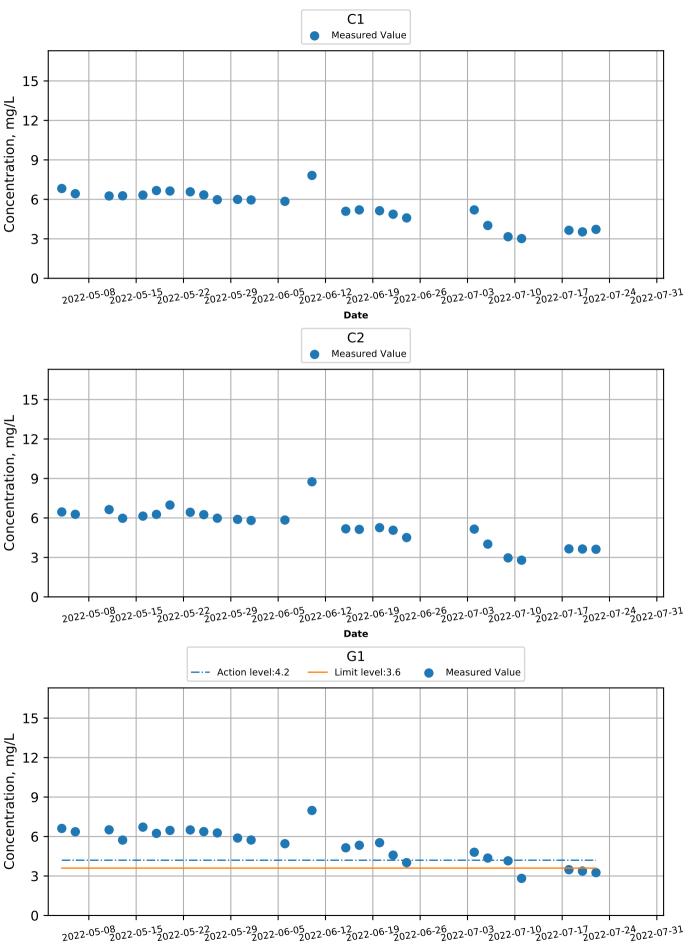


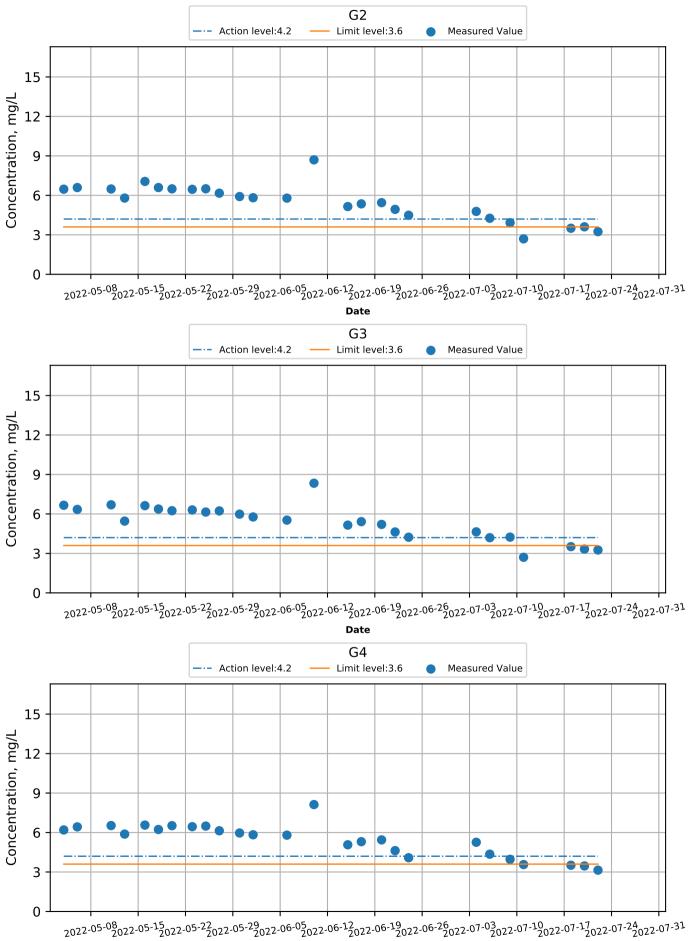


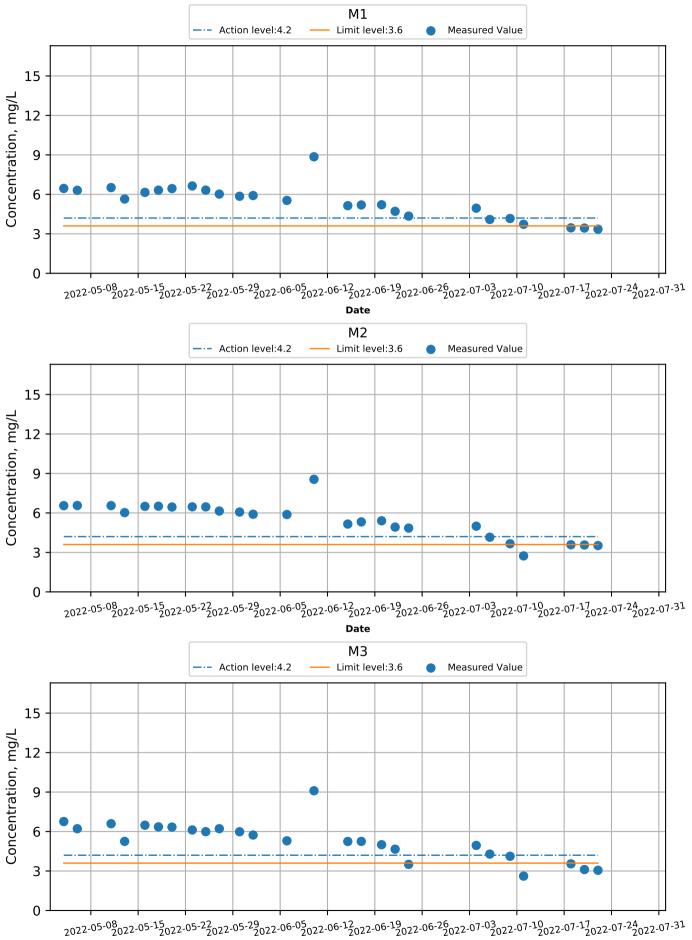


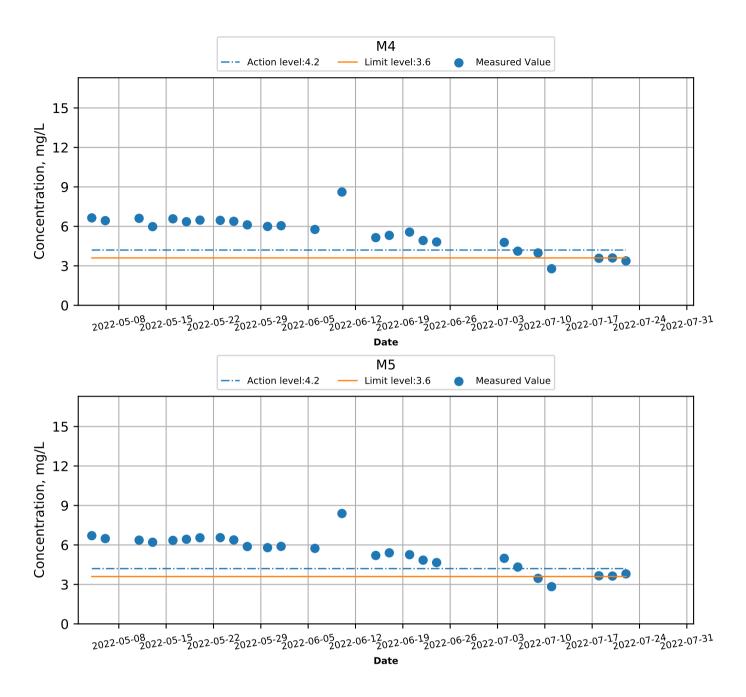




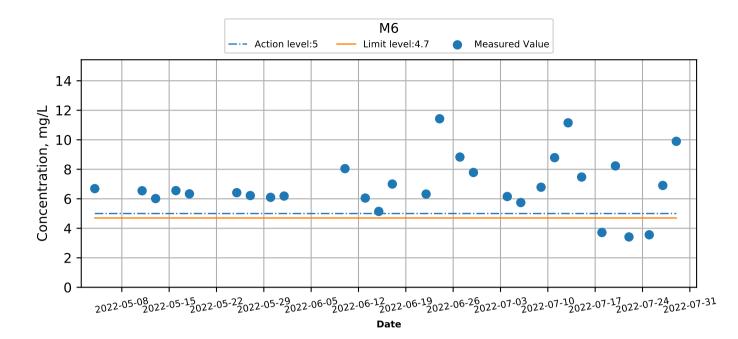




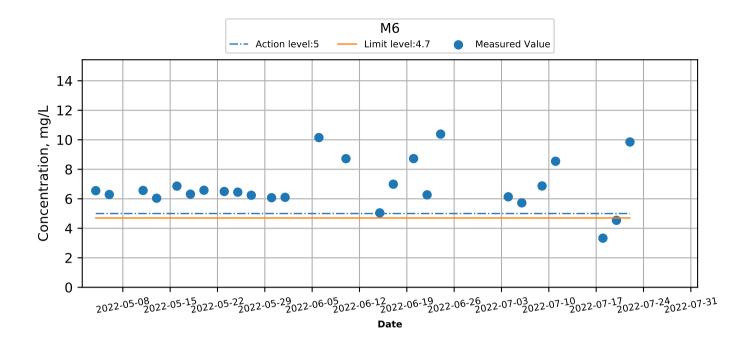


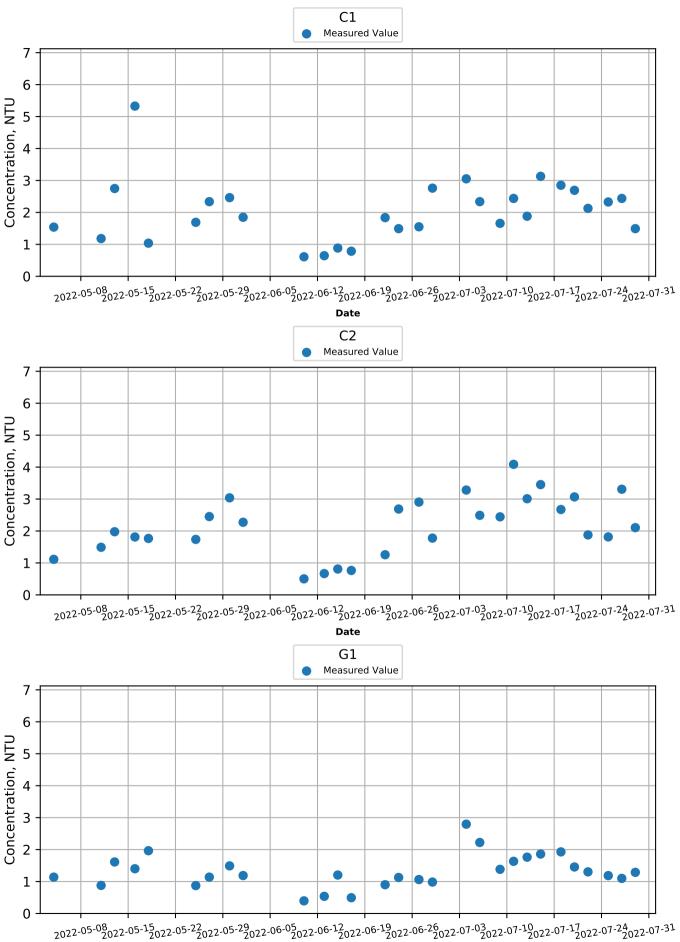


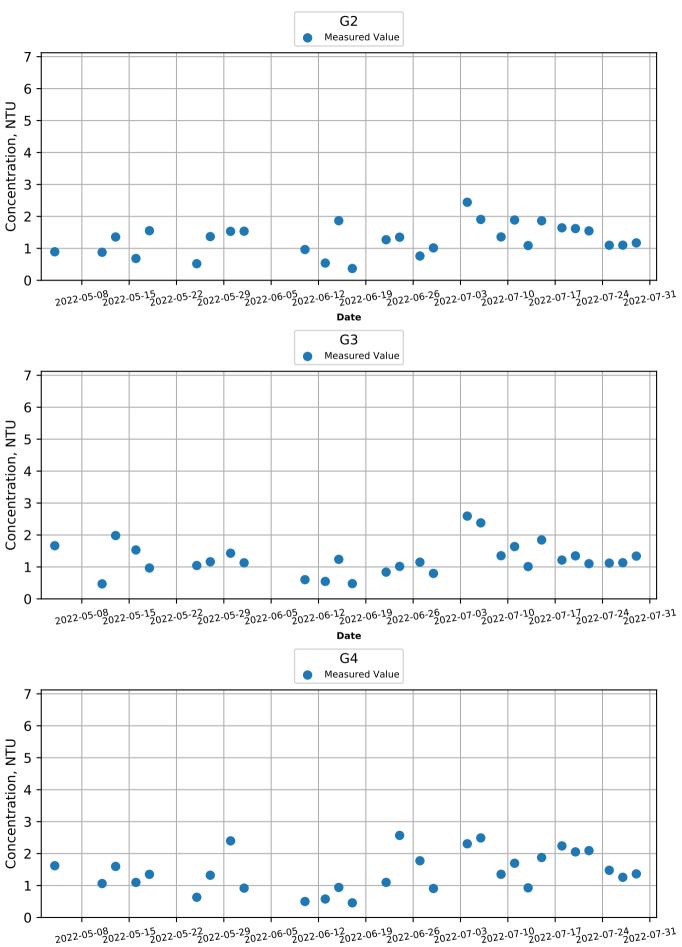
# Graphical Presentation of Water Quality Monitoring Results (May-2022 to Jul-2022) Dissolved Oxygen (Intake level) at Monitoring Stations during Mid-Ebb

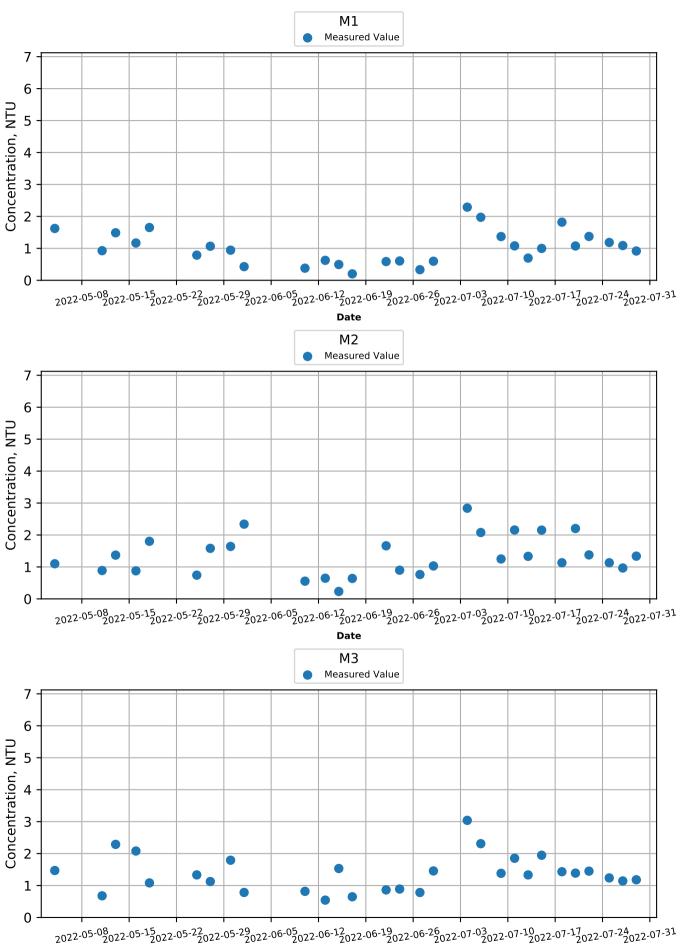


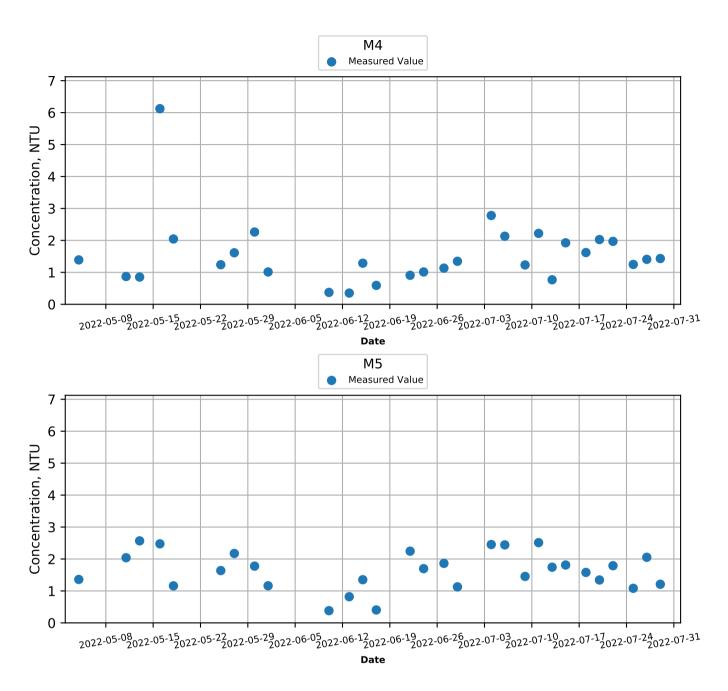
# Graphical Presentation of Water Quality Monitoring Results (May-2022 to Jul-2022) Dissolved Oxygen (Intake level) at Monitoring Stations during Mid-Flood

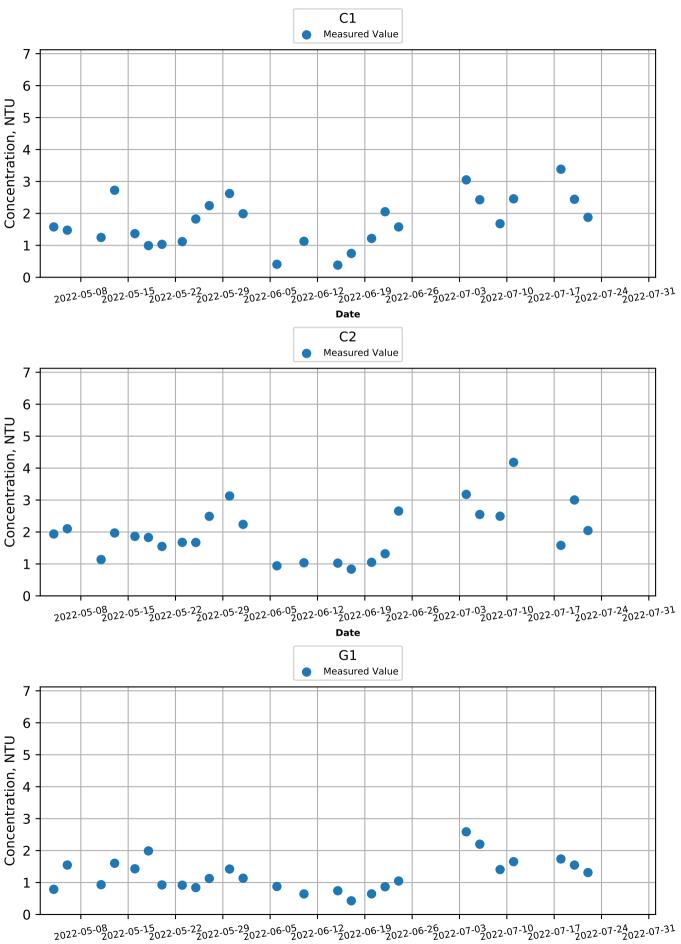


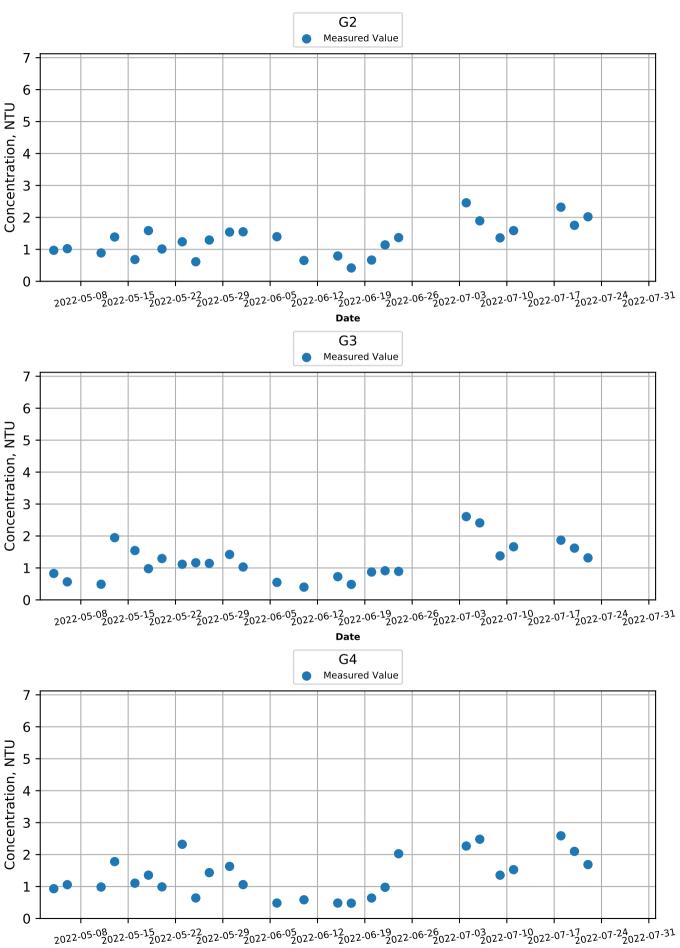


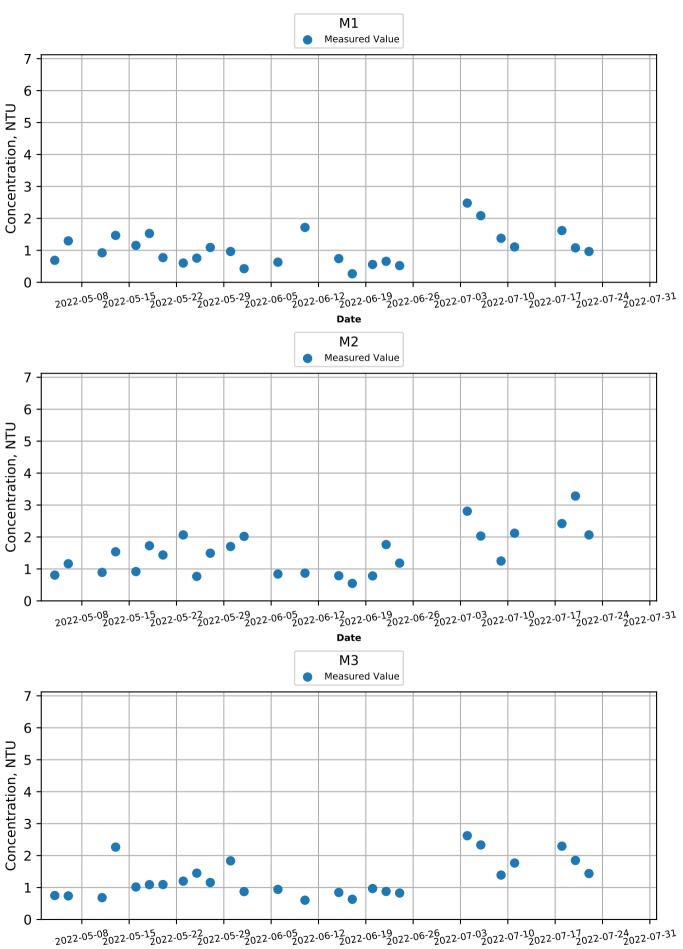


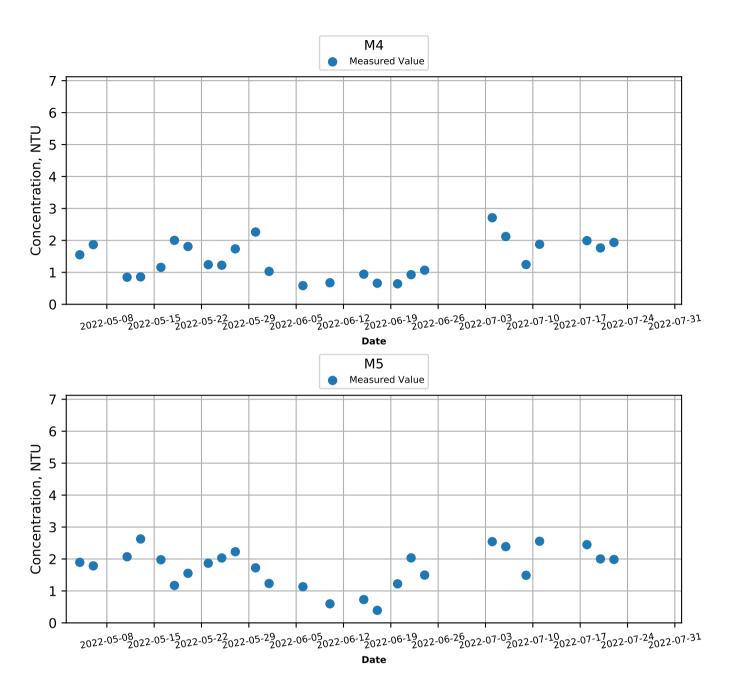


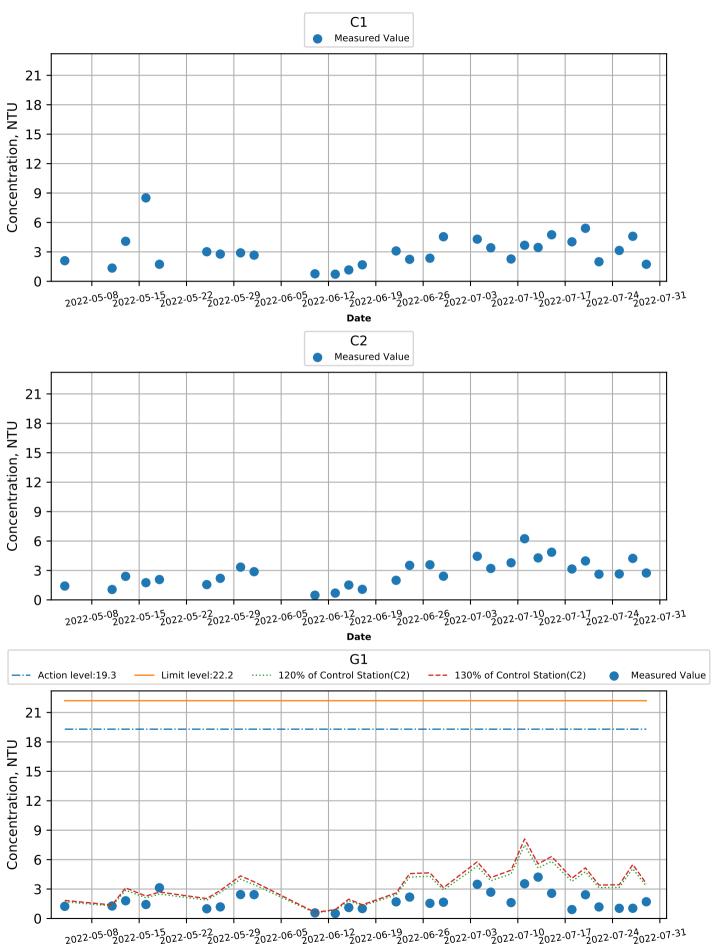


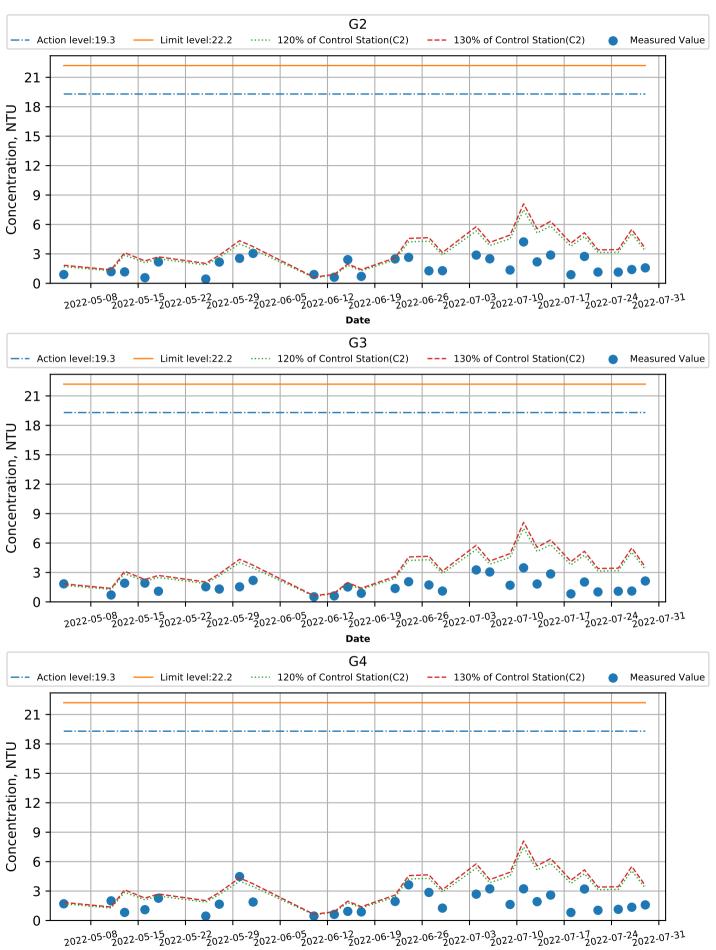


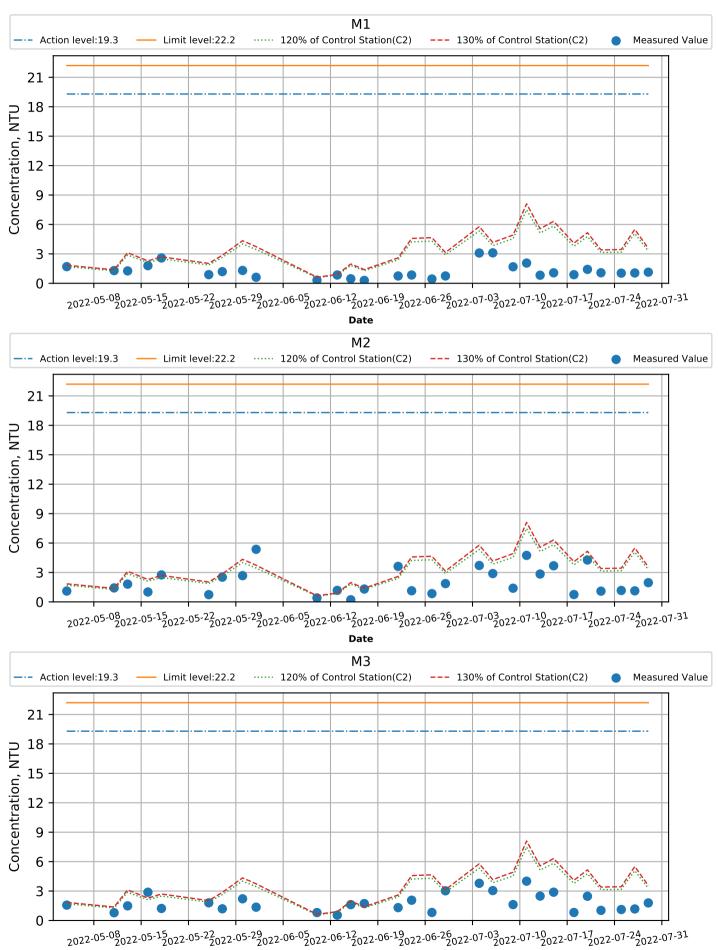


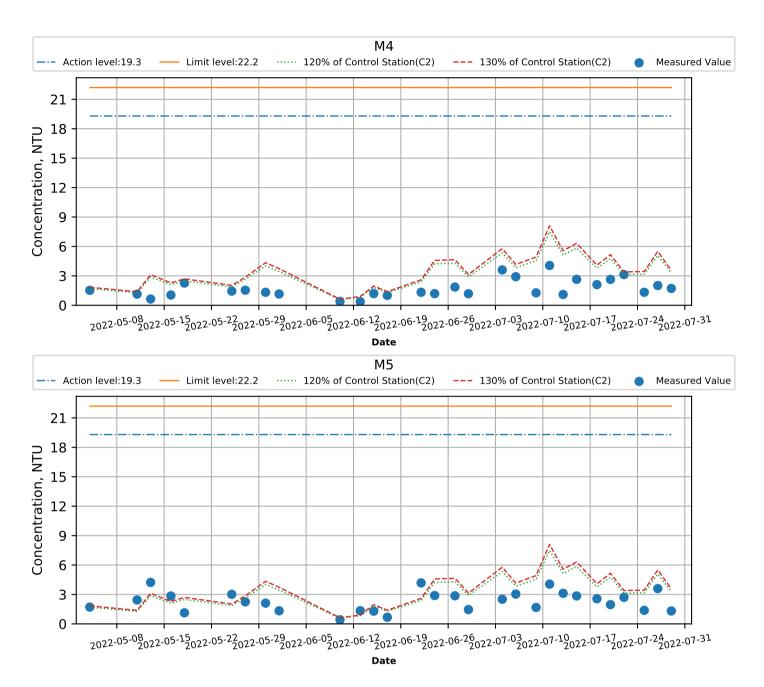


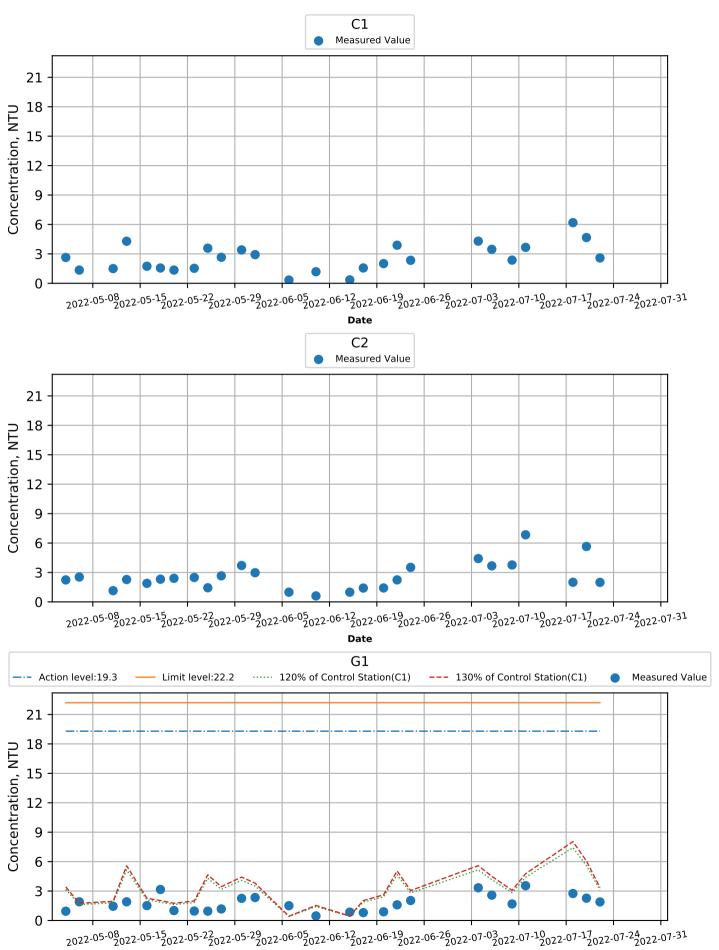


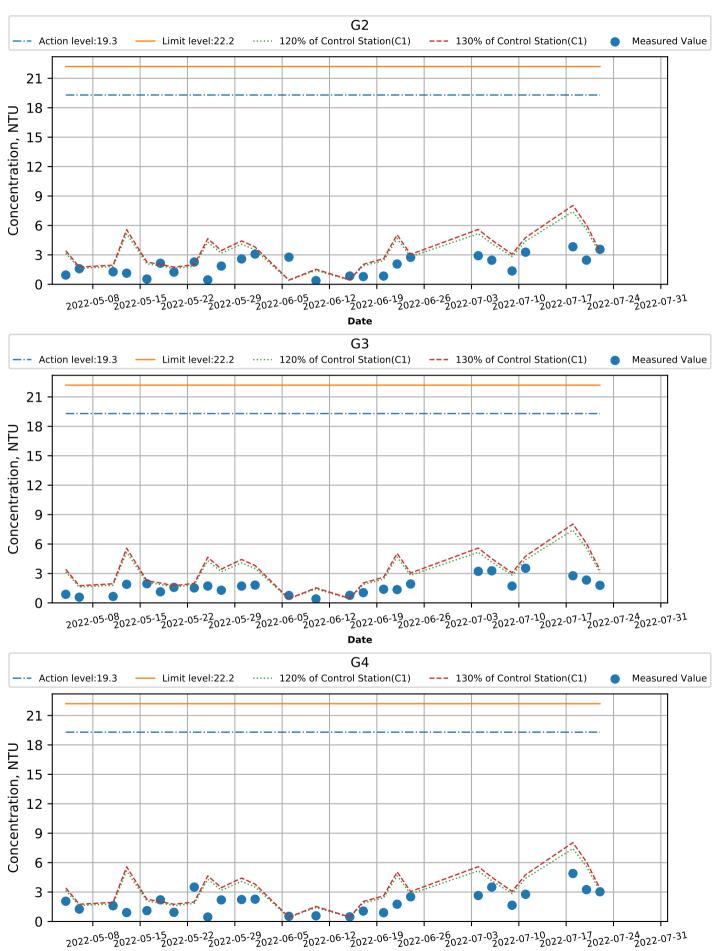


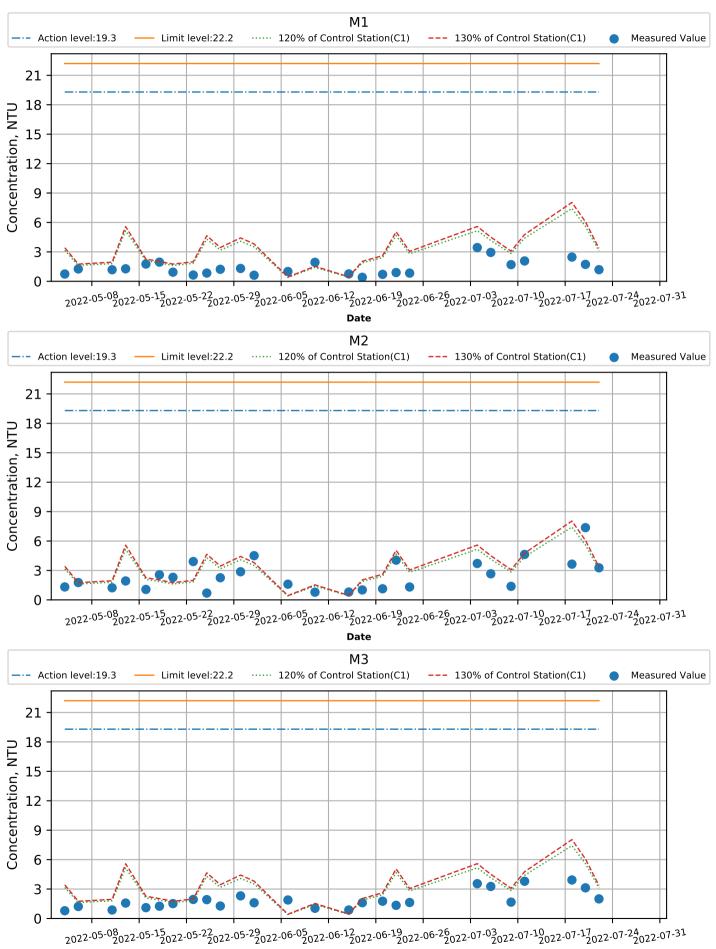


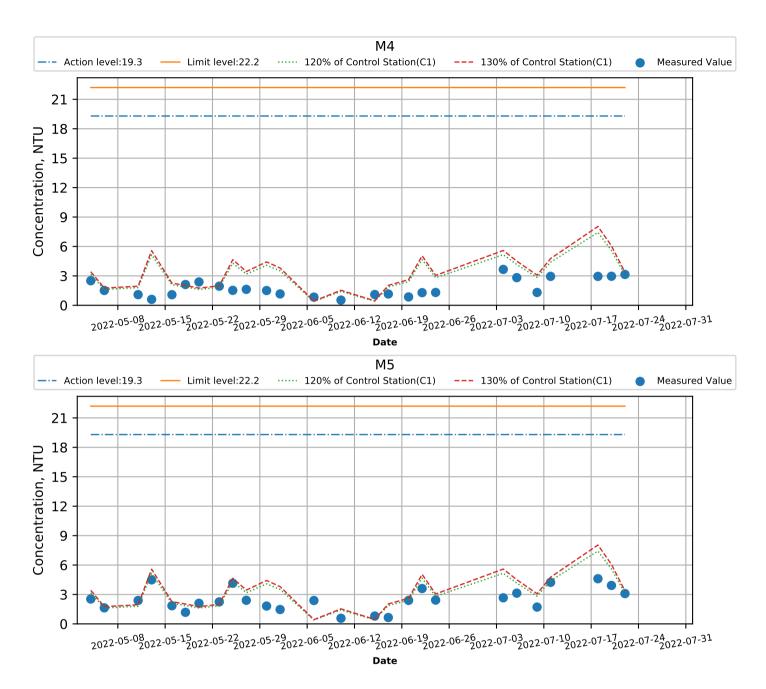


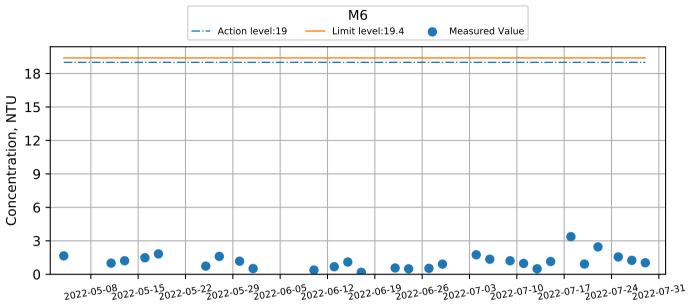




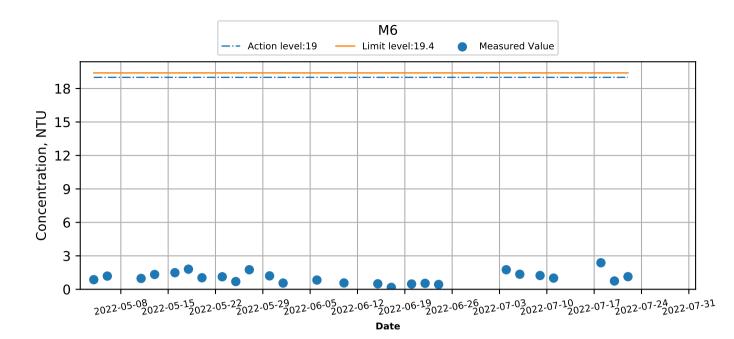


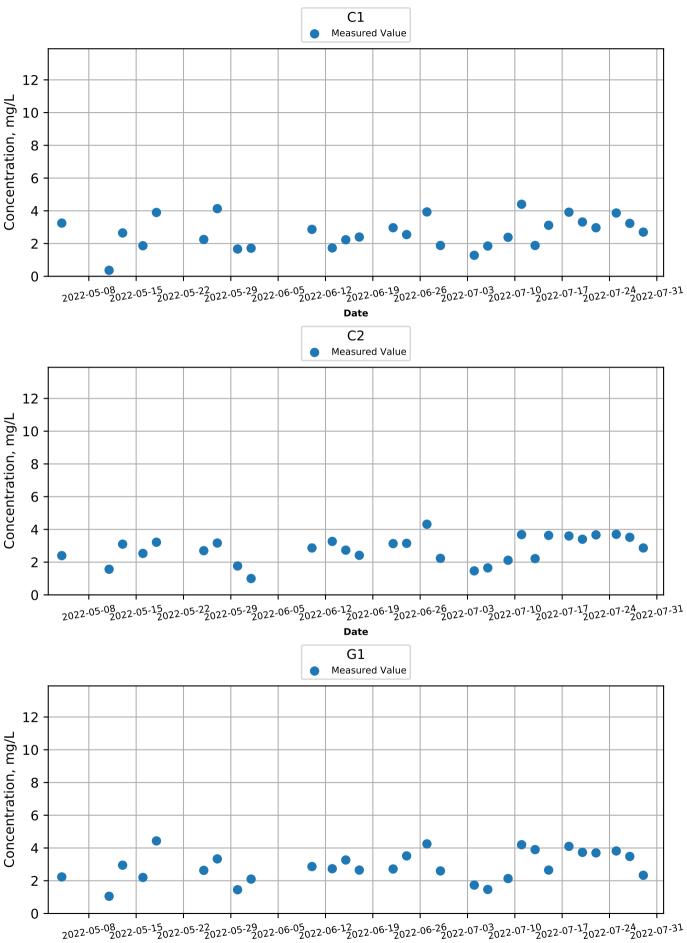


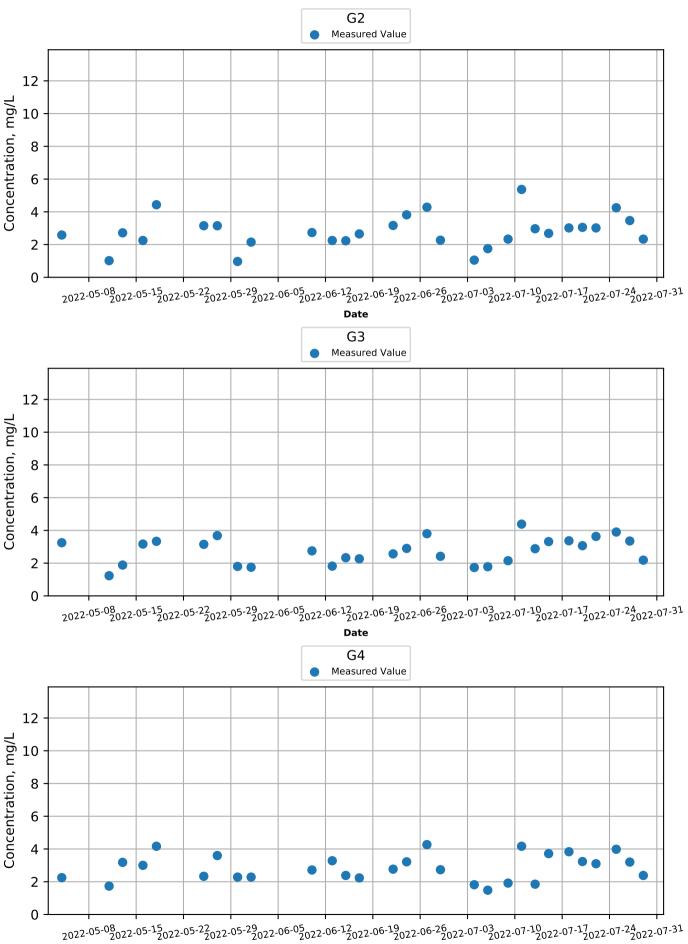


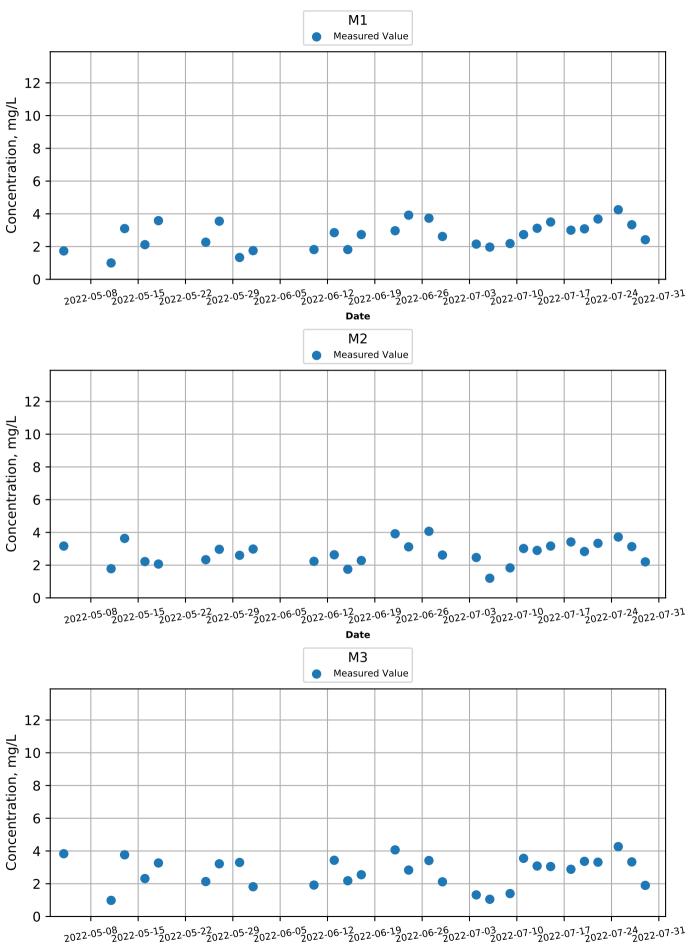


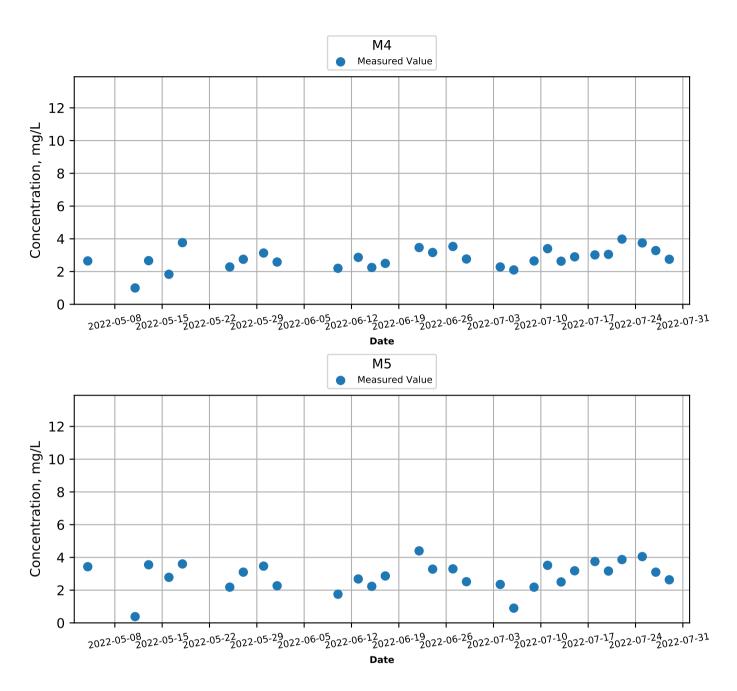
Date

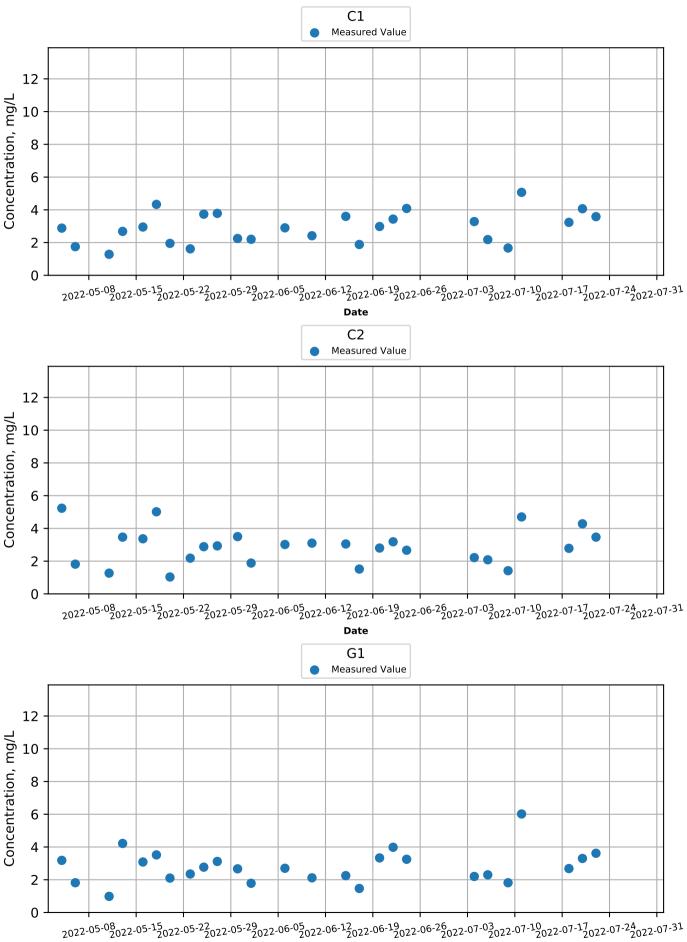


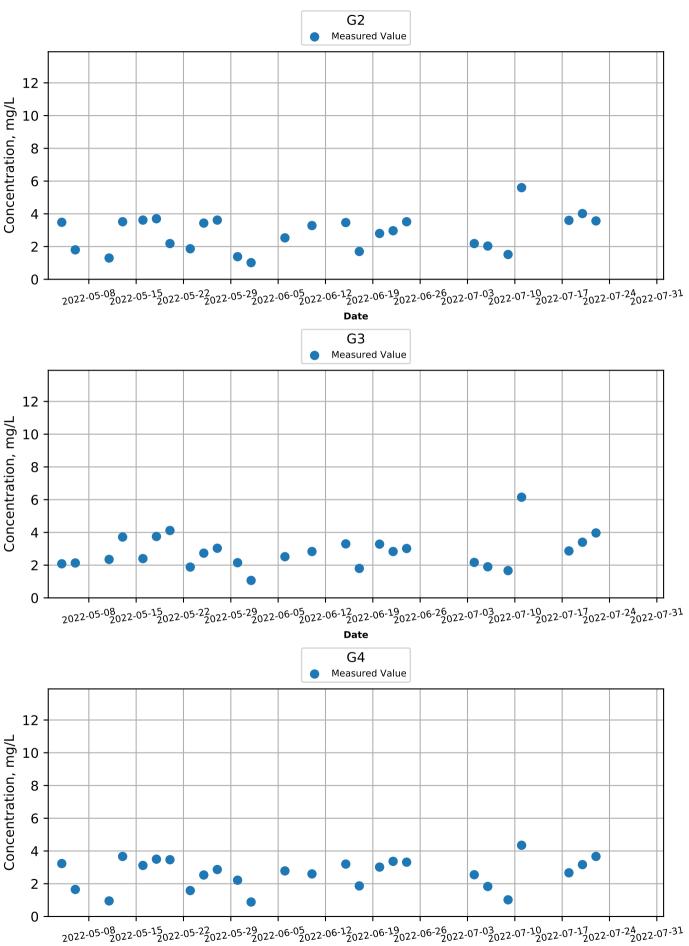


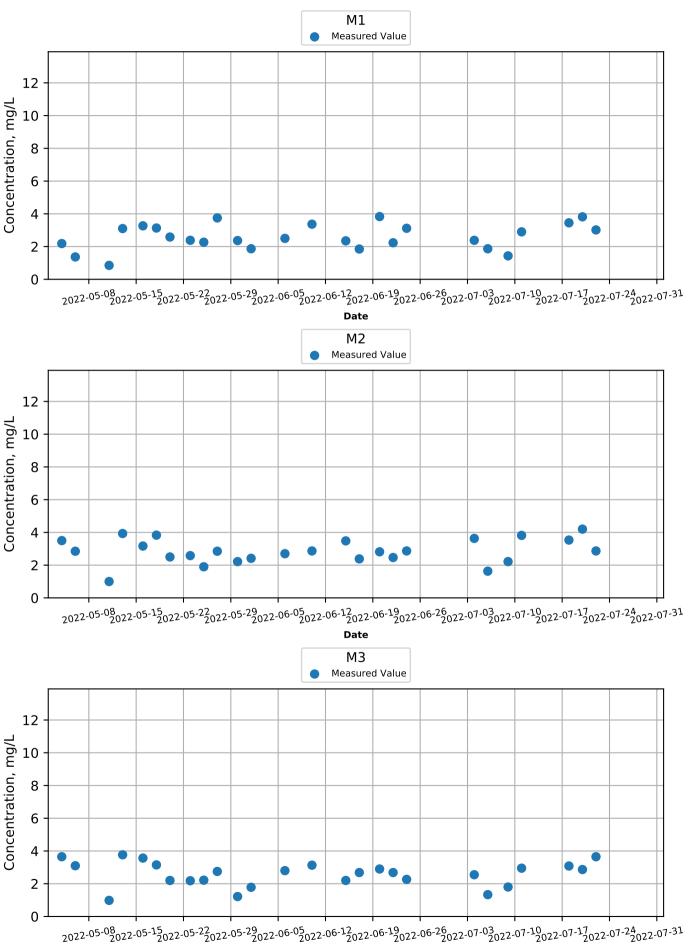


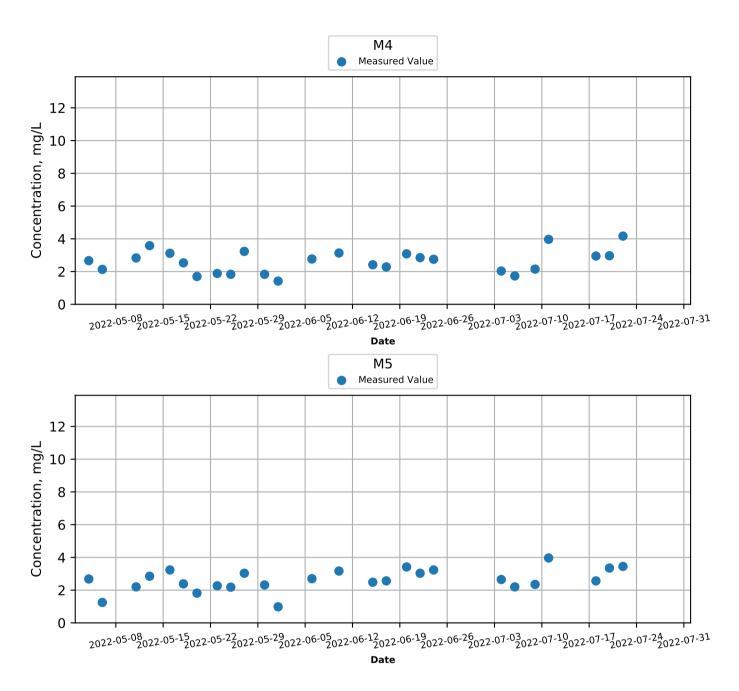


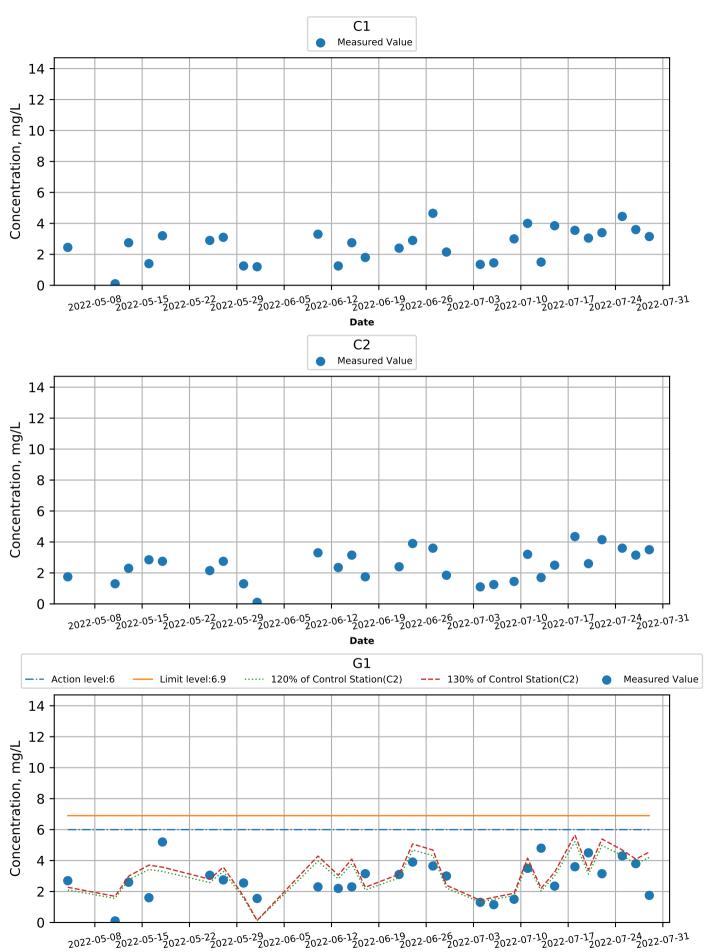


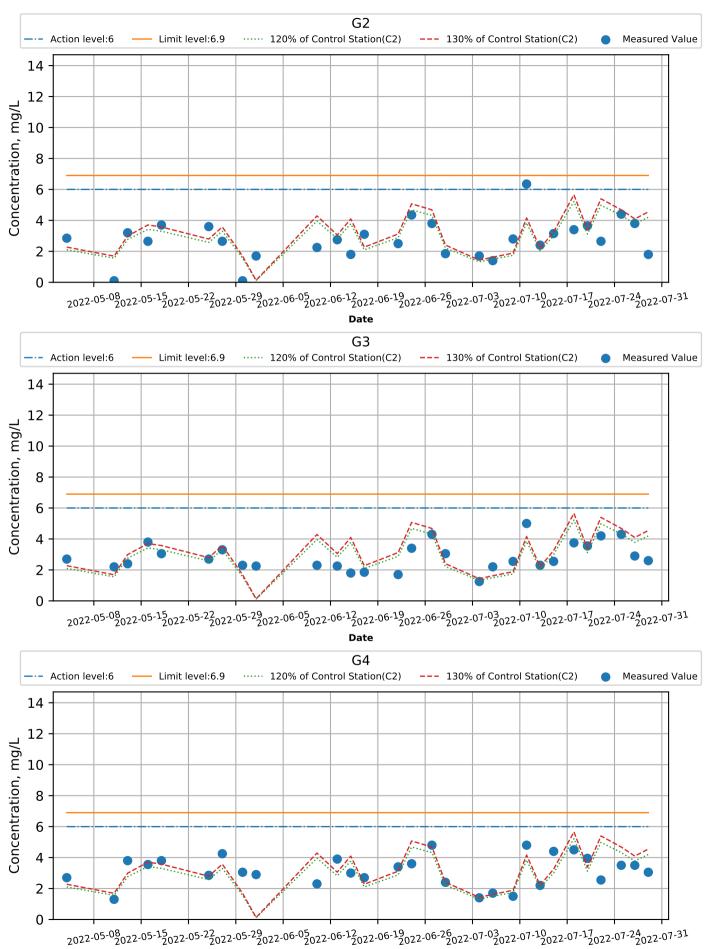


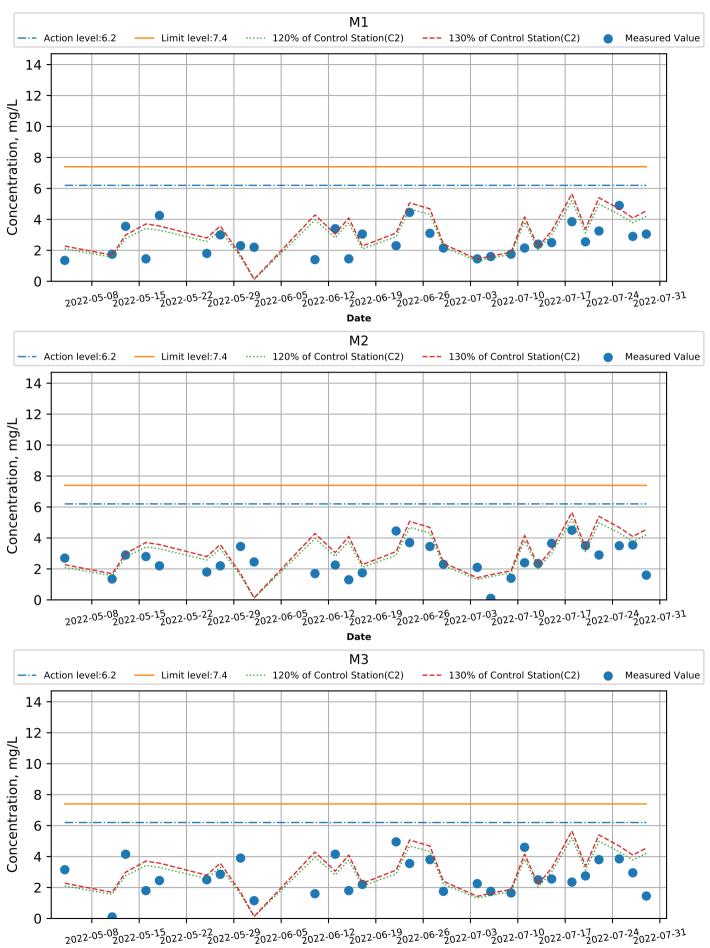


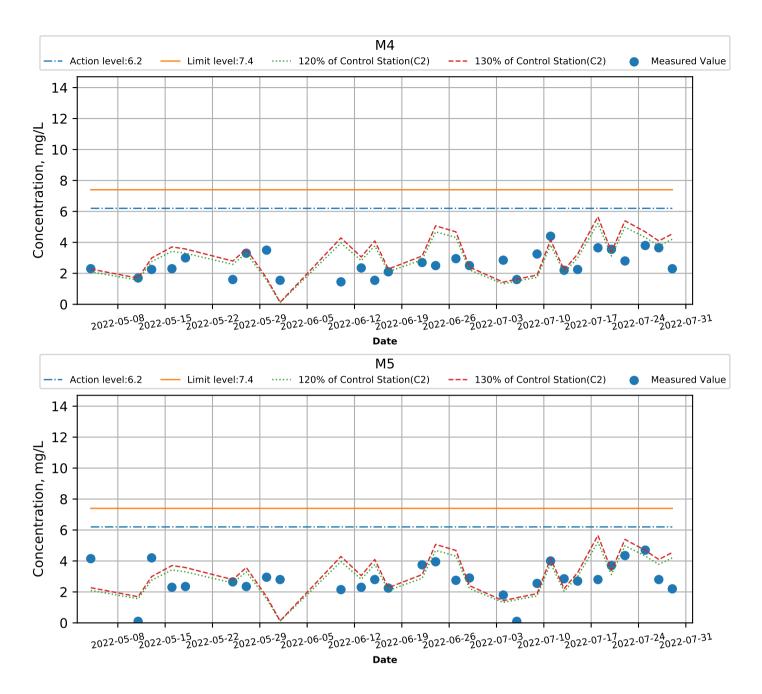


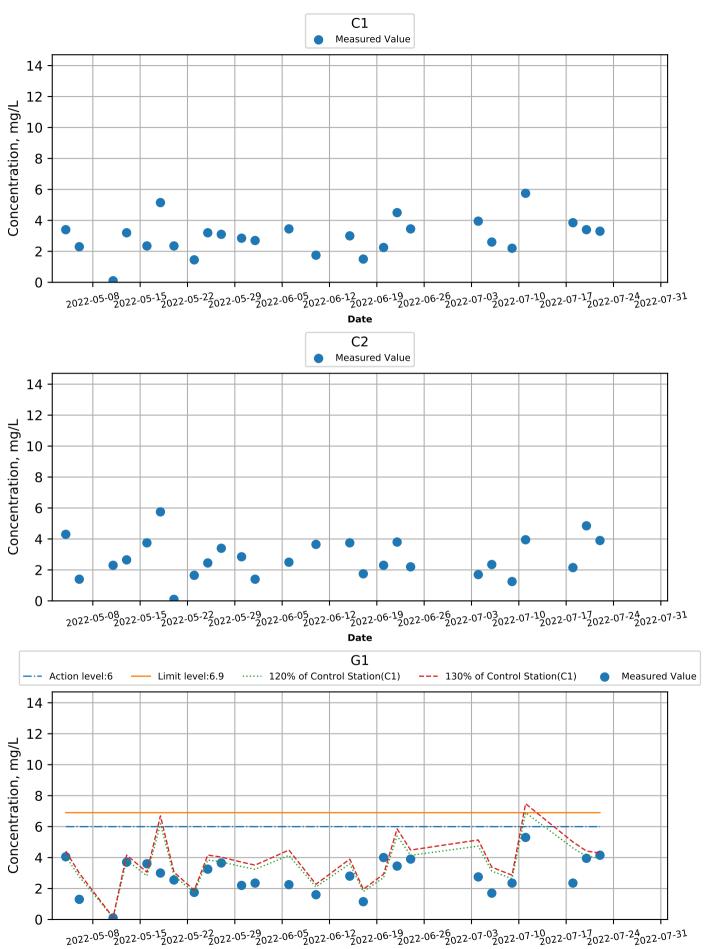


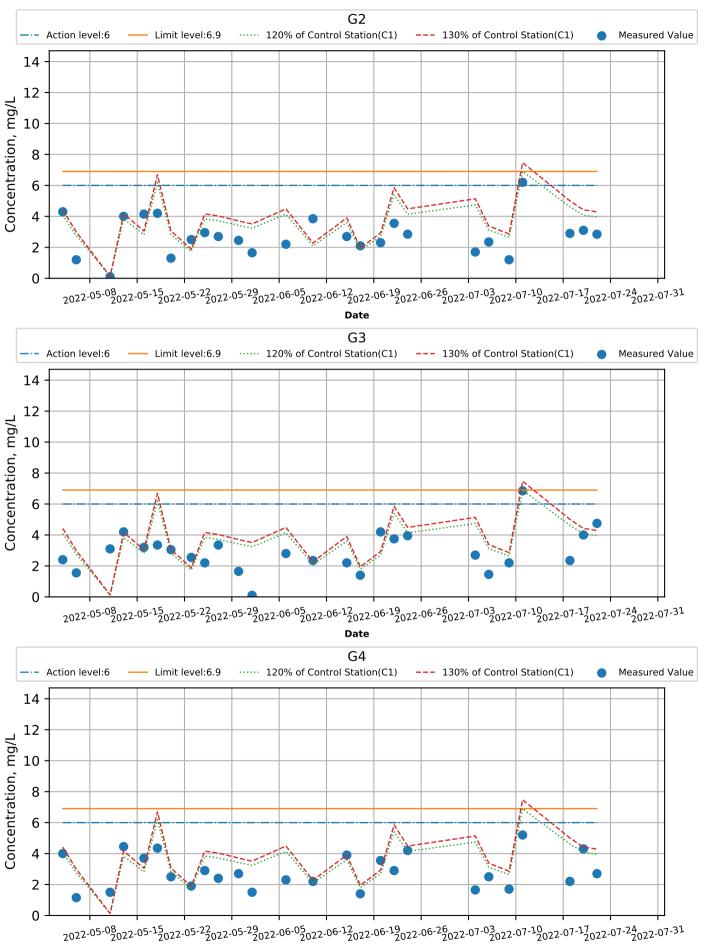


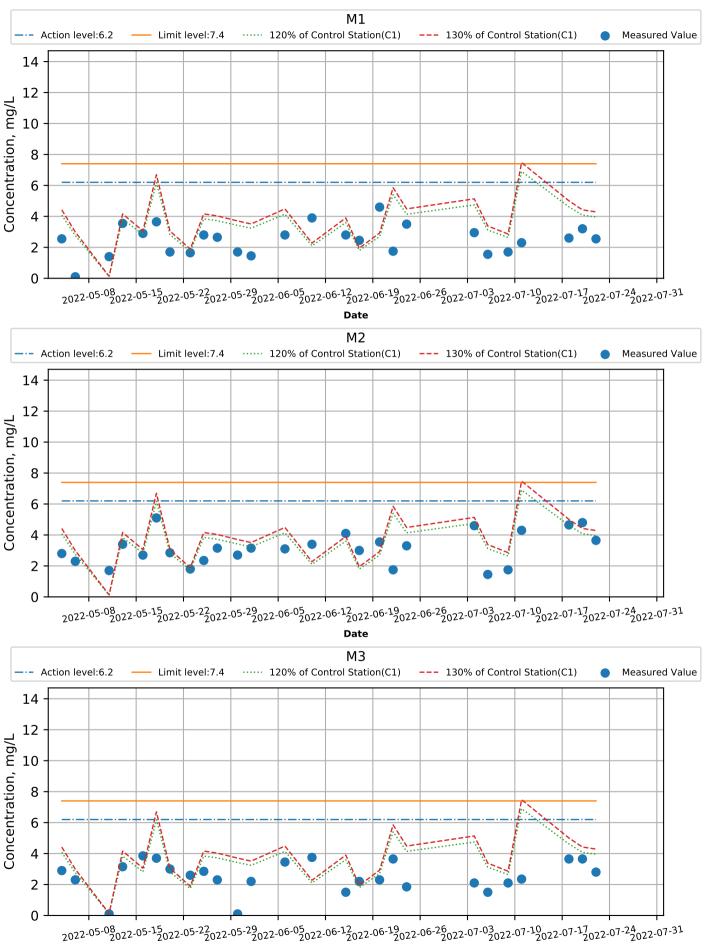


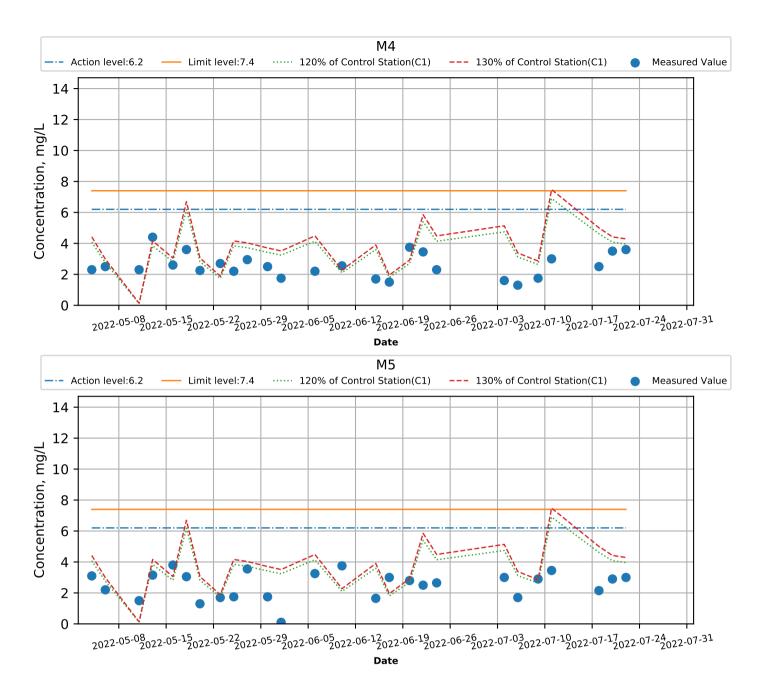


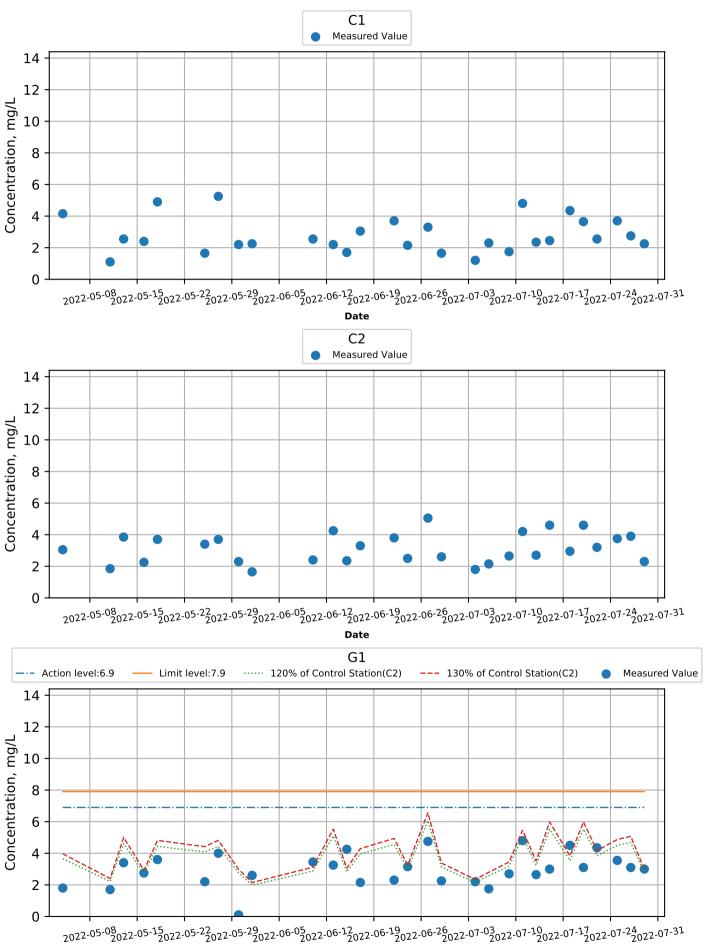


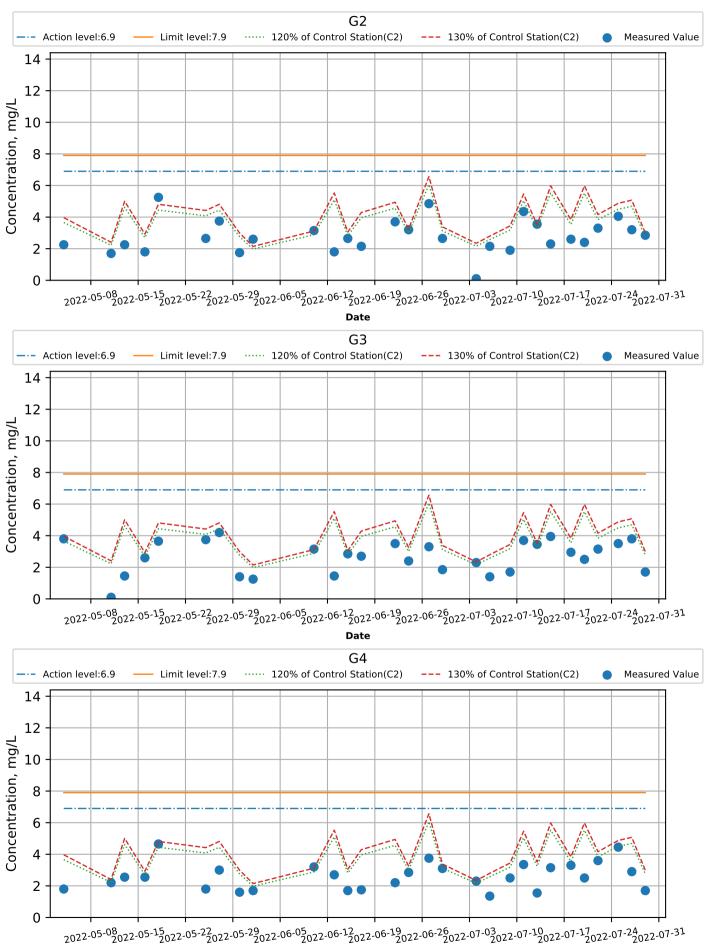


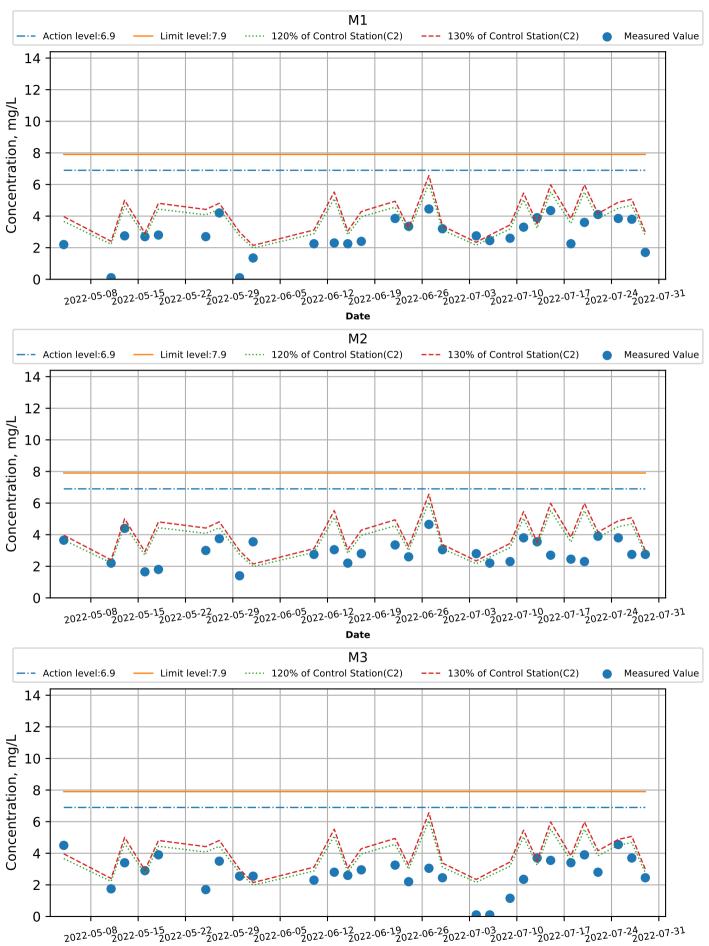


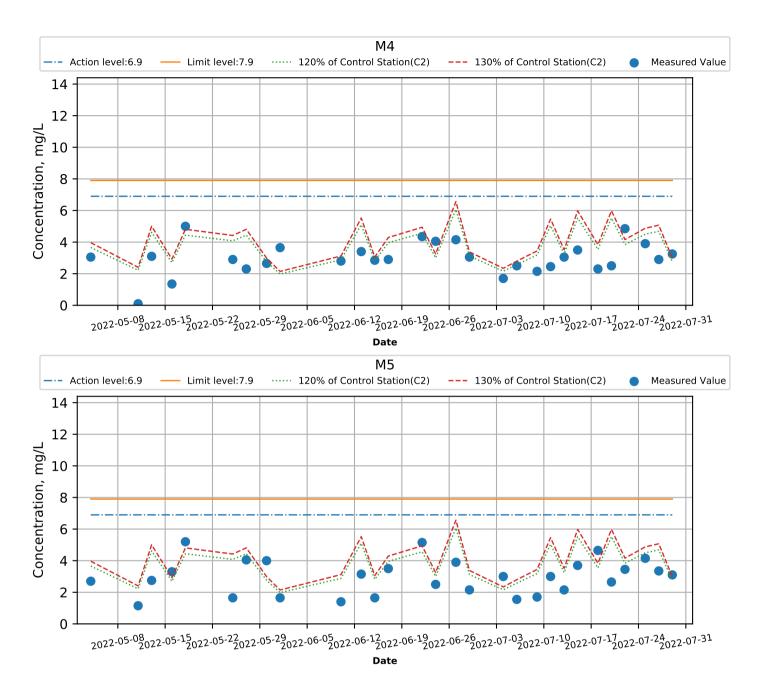


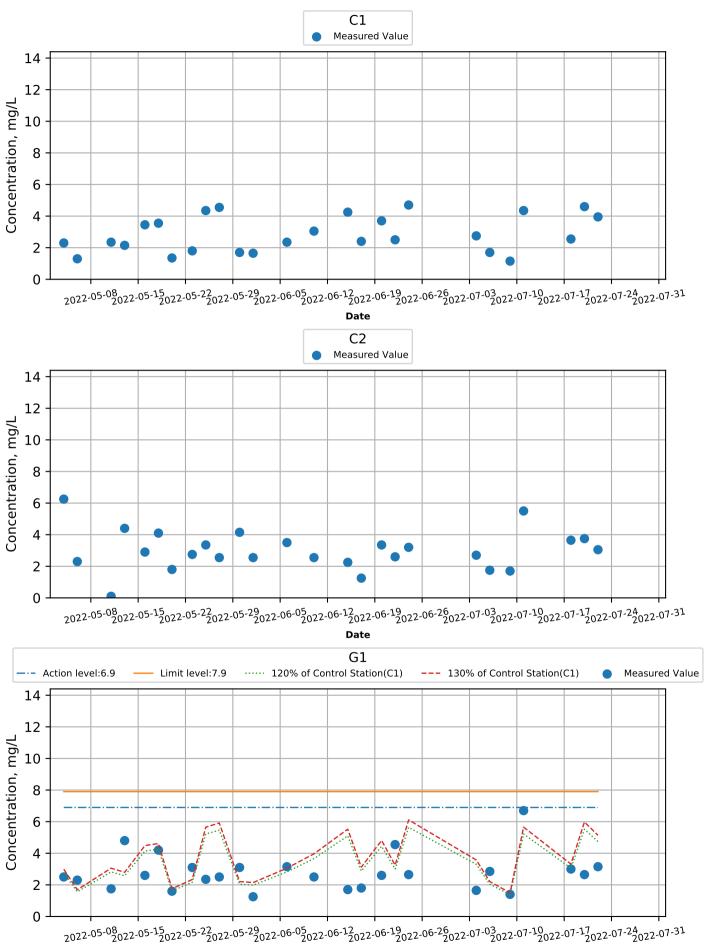


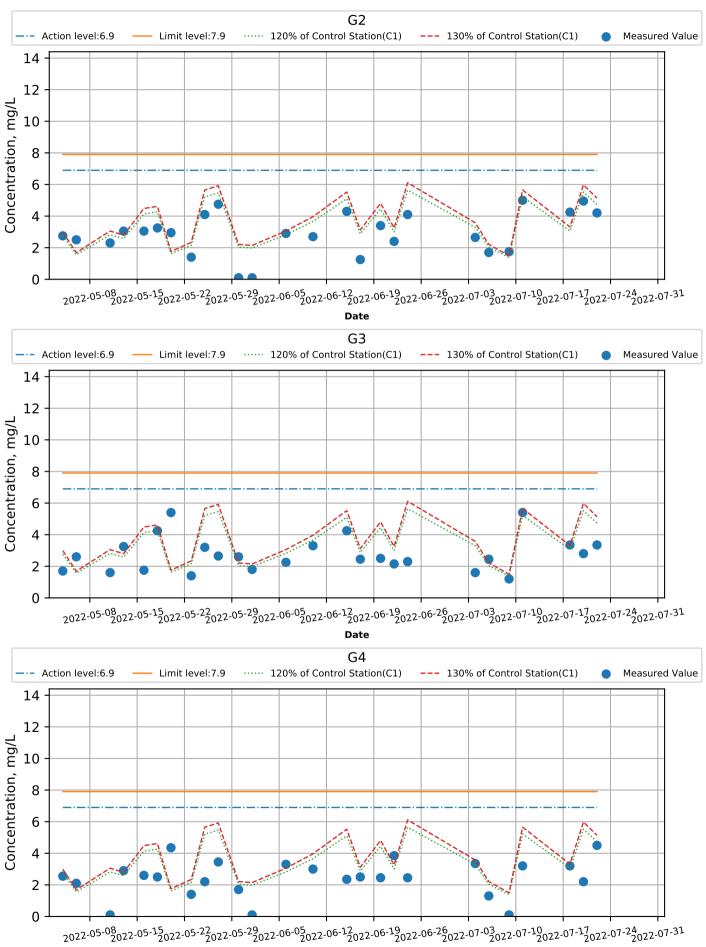


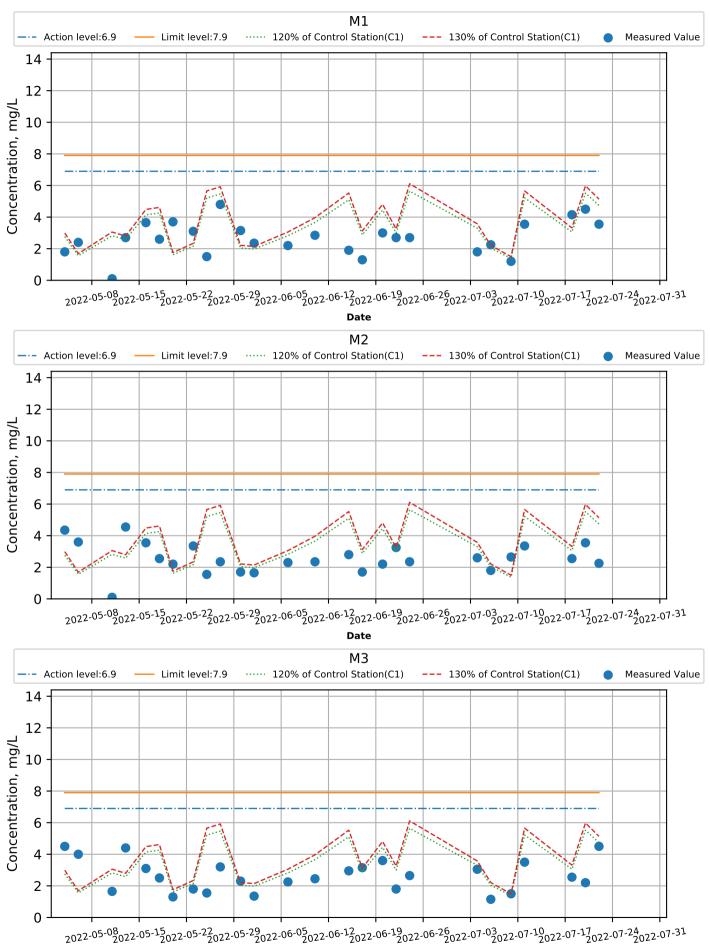


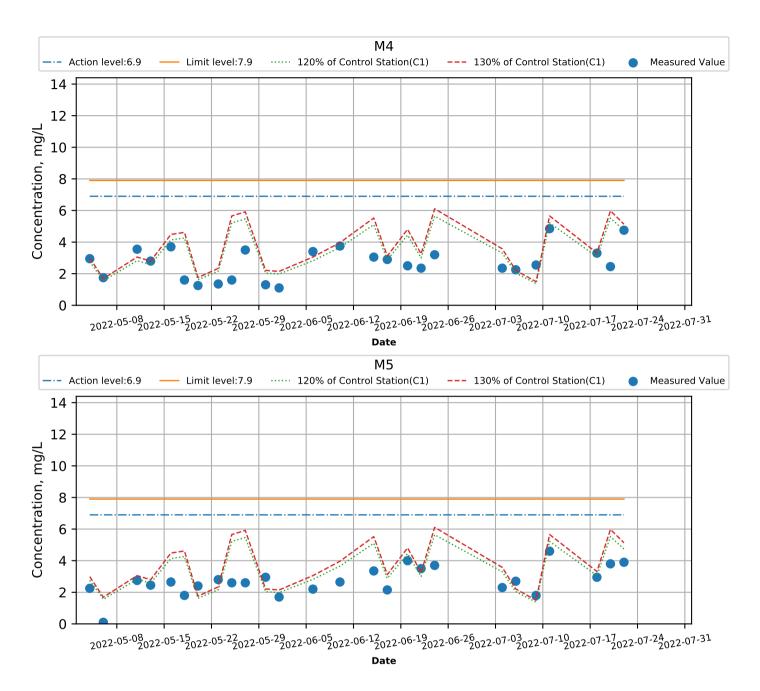


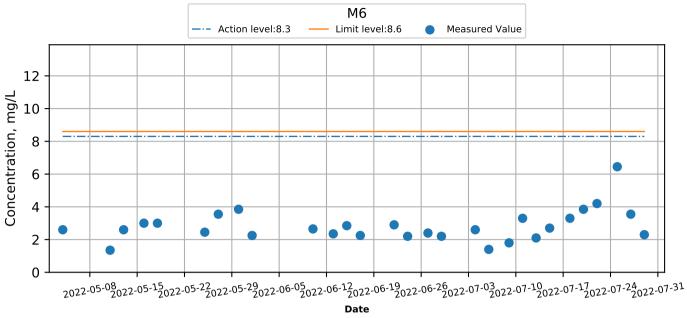


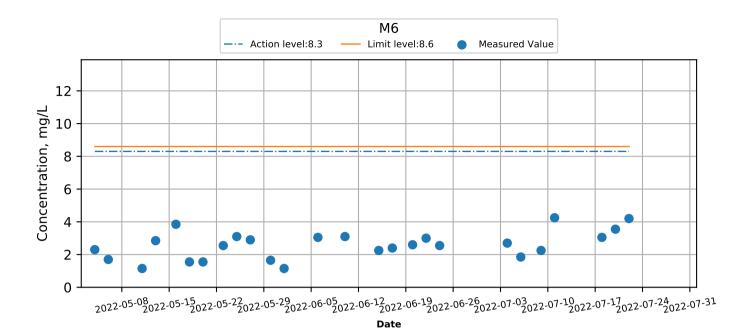






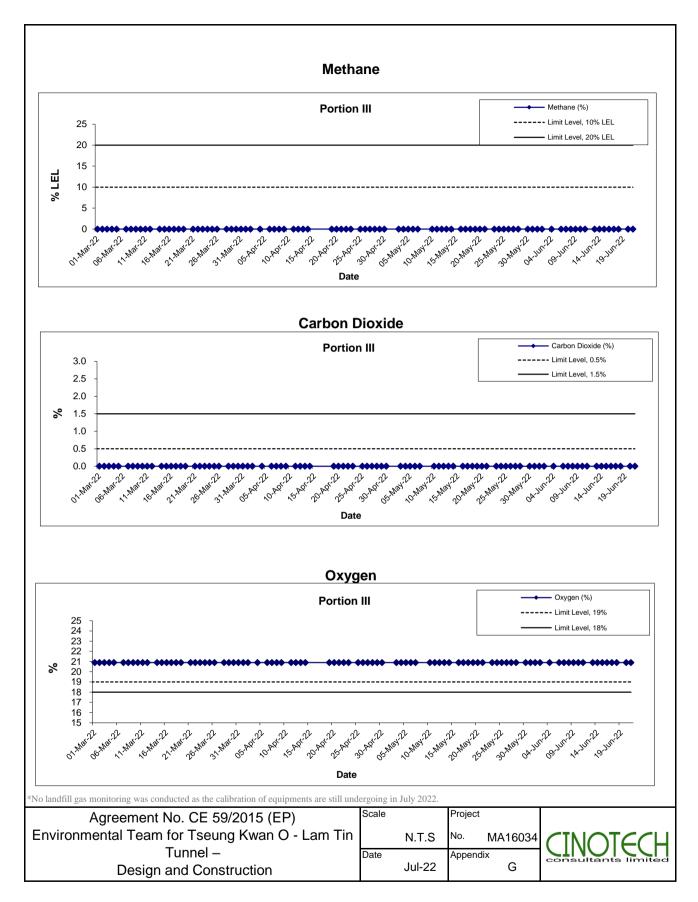






APPENDIX G GRAPHICAL PRESENTATION OF LANDFILL GAS MONITORING RESULTS

#### APPENDIX G - RECORD OF LANDFILL GAS MONITORING BY THE CONTRACTOR



APPENDIX H SITE AUDIT SUMMARY

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2015/01

Tseung Kwan O - Lam Tin Tunnel - Main Tunnel and Associated Works

Items	Date	Status*	Follow up Action			
Water Quality						
Ecology	1					
 Noise	[					
lvoise	1		4-May-22			
			The acositic sheet of the breaker head			
	4.14 22					
The Contractor is remided to replace	4-May-22	√	has been replaced.			
damaged acoustic sheet.	11-May-22		11-May-22			
			The conditions of acoustic sheets near			
x 1 1 x y· 1			WVB had improved.			
Landscape and Visual	1					
Air Quality						
The Contractor is reminded to sprinkle			4-May-22			
water during drilling activities to suppress	4-May-22	$\checkmark$	The Contractor immediately requested			
dust emission.			the workers to sprinkle water.			
			12-May-22			
The Contractor is reminded to suppress dust	11-May-22	1	A piece of trapaulin farbic is attached			
emission for the drill.	11-Way-22	v	to the tail of the drill so that the dust			
			will not be directly emitted into the			
	18 May 22		18-May-22			
The Contractor is reminded to water haul		1	The Contractor immediately requested			
road to suppress dust emission.	18-May-22	v	the workers to sprinkle water on the			
			haul road.			
Waste/Chemical Management						
The Contractor is reminded to remove			12 May 22			
chemicals or provide drip tray to the	11-May-22	√	12-May-22 The chemical was removed.			
chemicals.			The chemical was removed.			
The Contractor is reminded to remove water			19-May-22			
in the drip tray after the rain to ensure	18-May-22	√	The drip tray was cleared.			
adequate capacity of the drip tray.			The drip tray was cleared.			
The Contractor is reminded to remove waste			25 Mar 22			
at a timely manner and sort waste	25-May-22	$\checkmark$	25-May-22			
accordingly.			The waste was removed.			
The Contractor is reminded to remove oil	25-May-22	1	25-May-22			
stain on the haul road.	23-1vlay-22	v	The oil stain was removed.			
The Contractor is reminded to provide drip	25-May-22	1	25-May-22			
tray for the chemicals.	23-1v1ay-22	v	The chemical was removed.			
Impact on Cultural Heritage	Impact on Cultural Heritage					
Permit/Licenses						
<u>.</u>	•		•			

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2015/02

Tseung Kwan O - Lam Tin Tunnel — Road P2 and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
The Contractor is reminded to remove waste	26-May-22		26-May-22		
in a timely manner	20-1v1ay-22	v	The waste was removed.		
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/02

Tseung Kwan O - Lam Tin Tunnel - Road P2/D4 and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

Contract No. — NE2017/06

Tseung Kwan O - Lam Tin Tunnel - Traffic Control and Surveillance System (TCSS) and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

 $\boldsymbol{\ast}$  Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

Contract No. — NE2017/01

Tseung Kwan O - Lam Tin Tunnel — Tseung Kwan O Interchange and Associated Works

Items	Date	Status*	Follow up Action			
Water Quality						
Ecology						
Noise						
Landscape and Visual						
Air Quality						
Waste/Chemical Management						
Impact on Cultural Heritage						
Permit/Licenses	Permit/Licenses					

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/07

Tseung Kwan O - Lam Tin Tunnel - Cross Bay Link Main Bridge and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

### Contract No. — NE2015/01

Tseung Kwan O - Lam Tin Tunnel — Main Tunnel and Associated Works

Items	Date	Status*	Follow up Action	
Water Quality				
Ecology				
Noise				
Landscape and Visual				
Air Quality				
NRMM was missing on a loader.	22-Jun-22	1	23-Jun-22:	
	22 0 din 22	· ·	The NRMM has been provided.	
Waste/Chemical Management	T	T	1	
The Contractor is reminded to remove water	1-Jun-22	1	2-Jun-22:	
in the drip tray to ensure it's capacity.		-	The drip tray was cleared.	
The Contractor is reminded to provide drip	15-Jun-22	1	15-Jun-22:	
tray to chemicals or remove the chemicals.			The chemical was removed.	
Accumulation of general refuse and	22-Jun-22	√	23-Jun-22:	
construction waste was observed.			The accumulated was removed.	
Impact on Cultural Heritage		1	1	
Permit/Licenses	1	1		

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2015/02

Tseung Kwan O - Lam Tin Tunnel - Road P2 and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
The Contractor is reminded to remove	23-Jun-22	1	24-Jun-22		
general refuse regularly.	2 <b>3-3</b> un-22	•	The waste was removed.		
The Contractor is reminded to remove	30-Jun-22	#	N/A		
accumulated waste.					
The Contractor is reminded to remove oil	30-Jun-22	#	N/A		
stain.					
Impact on Cultural Heritage					
Permit/Licenses					

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/02

Tseung Kwan O - Lam Tin Tunnel - Road P2/D4 and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

Contract No. — NE2017/06

Tseung Kwan O - Lam Tin Tunnel - Traffic Control and Surveillance System (TCSS) and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
Impact on Cultural Heritage					
Permit/Licenses	Permit/Licenses				

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

 $\boldsymbol{\ast}$  Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

Contract No. — NE2017/01

Tseung Kwan O - Lam Tin Tunnel — Tseung Kwan O Interchange and Associated Works

Items	Date	Status*	Follow up Action			
Water Quality						
Ecology						
Noise						
Landscape and Visual						
Air Quality						
Waste/Chemical Management						
Impact on Cultural Heritage						
Permit/Licenses	Permit/Licenses					

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/07

Tseung Kwan O - Lam Tin Tunnel - Cross Bay Link Main Bridge and Associated Works

Items	Date	Status*	Follow up Action		
Water Quality					
Ecology					
Noise					
Landscape and Visual					
Air Quality					
Waste/Chemical Management					
The Contractor is reminded to provide drip tray to the chemicals or remove chemical to prevent accidental chemical leakage.	15-Jun-22	~	16-Jun-22: Drip tray was provided to the chemicals.		
Impact on Cultural Heritage					
Permit/Licenses					

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

Contract No. — NE2015/01

Tseung Kwan O - Lam Tin Tunnel — Main Tunnel and Associated Works

Items	Date	Status*	Follow up Action				
Water Quality							
The Contractor is reminded to remove							
debris at drainage channels to ensure proper	13-Jul-22	$\checkmark$	14-Jul-22:				
fuction of drainage system.			The waste had been removed.				
Ecology							
Noise							
Landscape and Visual							
Air Quality							
Waste/Chemical Management							
The Contractor is reminded to provide drip	6-Jul-22		7-Jul-22 & 27-Jul-22:				
tray to chemicals	27-Jul-22	v	The chemical was removed.				
The Contractor is reminded to remove	13-Jul-22	./	14-Jul-22:				
accumulated general waste regularly.		•	The waste had been removed.				
The Contractor is reminded to remove waste	20-Jul-22	1	21-Jul-22:				
in a timely manner.			The waste had been removed.				
Impact on Cultural Heritage			1				
Permit/Licenses		1	1				

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

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# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

### Contract No. — NE2015/02

Tseung Kwan O - Lam Tin Tunnel - Road P2 and Associated Works

Items	Date Status*		Follow up Action				
Water Quality							
Ecology		-					
Noise		•	·				
Landscape and Visual		•	·				
Air Quality		-	•				
The haul road appears to be dry. The							
Contractor is reminded to sprinkle water	29.1.1.22	#	N/A				
regularly to suppress dust nuisance to the	28-Jul-22						
surroundings.							
Waste/Chemical Management							
			8-Jul-22:				
The Contractor is reminded to remove	30-Jun-22	$\checkmark$	The accummulated waste had been				
accumulated waste.			removed.				
The Contractor is reminded to remove oil	30-Jun-22	~	8-Jul-22:				
stain.	30 <b>-</b> 301-22	•	The oil stain had been removed.				
The Contractor is remindewd to remove the	08-Jul-22	1	9-Jul-22:				
chemical nearby the seafront.	00-301-22	v	The chemical was removed.				
The Contractor is reminded to remove	28-Jul-22	#	N/A				
accumulated waste and sort waste.	20 Jul 22	П	1 1/ 7 1				
Impact on Cultural Heritage							
Permit/Licenses							

✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

X Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

### Contract No. — NE2017/02

Tseung Kwan O - Lam Tin Tunnel - Road P2/D4 and Associated Works

Items	Date	Status*	Follow up Action				
Water Quality							
Ecology							
Noise							
Landscape and Visual							
Air Quality							
The Contractor is reminded to clean the haul road connecting to the exit.	15-Jul-22	√	21-Jul-22: No muddy trails were observed during the site inspection session.				
Waste/Chemical Management		-					
The Contractor is remoinded to remove oil stain.	15-Jul-22	✓	21-Jul-22: The oil stain was removed.				
Impact on Cultural Heritage							
Permit/Licenses							

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

X Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/06

Tseung Kwan O - Lam Tin Tunnel — Traffic Control and Surveillance System (TCSS) and Associated Works

Items	Date	Status*	Follow up Action				
Water Quality							
Ecology							
Noise							
Landscape and Visual							
Air Quality							
Waste/Chemical Management							
Impact on Cultural Heritage							
Permit/Licenses							

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

 $\mathbf{X}$  Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/01

Tseung Kwan O - Lam Tin Tunnel — Tseung Kwan O Interchange and Associated Works

Items	Date	Status*	Follow up Action				
Water Quality							
Ecology							
Noise							
Landscape and Visual							
Air Quality							
Waste/Chemical Management							
Impact on Cultural Heritage							
Permit/Licenses							

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

 $\mathbf{X}$  Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

**Appendix H - Site Audit Summary** 

#### Contract No. — NE2017/07

Tseung Kwan O - Lam Tin Tunnel - Cross Bay Link Main Bridge and Associated Works

Items	Date	Status*	Follow up Action				
Water Quality							
Ecology							
Noise							
Landscape and Visual							
Air Quality							
Waste/Chemical Management							
The Contractor is reminded to provide drip tray to the chemicals or remove chemical to prevent accidental chemical leakage.	15-Jun-22	~	16-Jun-22: Drip tray was provided to the chemicals.				
Impact on Cultural Heritage							
Permit/Licenses							

 $\checkmark$  Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit

× Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit

# Follow up action will be reported in next reporting month

\* Non-compliance of mitigation measure

APPENDIX I ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

# App I - IMPLEMENTATION SCHEDULE AND RECOMMANDED MITIGATION MEASURES

#### Table I - Recommended Mitigation Measures stipulated in EM&A Manual for the Project

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?	
Air Quality							
\$3.8.1	Watering eight times a day on active works areas, exposed areas and paved haul roads	To minimize the dust impact	Contractor	All Active Work Sites	Construction phase	APCO	
\$3.8.1	Enclosing the unloading process at barging point by a 3-sided screen with top tipping hall / mixing area in Work Area A, provision of water spraying and flexible dust curtains	To minimize the dust impact	Contractor	Barging Points	Construction phase	АРСО	
\$3.8.7	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.						
\$3.8.7	<ul> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs</li> </ul>		Contractor	All Construction Work Sites		APCO and Air Pollution Control (Construction Dust) Regulation	
\$3.8.7	<ul> <li>Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.</li> </ul>				Construction phase		
\$3.8.7	<ul> <li>Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> </ul>						
\$3.8.7	<ul> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> </ul>						
\$3.8.7	<ul> <li>Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.</li> </ul>						
\$3.8.7	<ul> <li>Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.</li> </ul>	t To minimize the dust impact					
\$3.8.7	• Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.						
S3.8.7	Imposition of speed controls for vehicles on site haul roads.						
\$3.8.7	<ul> <li>Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs</li> </ul>						
\$3.8.7	<ul> <li>Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.</li> </ul>						
\$3.8.7	<ul> <li>Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.</li> </ul>						
	Emission from Vehicles and Plants	Reduce air pollution emission from construction vehicles and plants		All construction sites	Construction stage	АРСО	
	• All vehicles shall be shut down in intermittent use.		Contractor				
/	<ul> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly to avoid emission of black smoke.</li> </ul>						
	<ul> <li>All diesel fuelled construction plant within the works areas shall be powered by ultra low sulphur diesel fuel (ULSD)</li> </ul>						

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?	
/	Valid No-road Mobile Machinery (NRMM) labels should be provided to regulated machines	Reduce air pollution emission from construction vehicles and plants	Contractor	All construction sites	Construction stage	APCO	
Noise Impact (Constr	Noise Impact (Construction Phase)						
S4.8	• Use of quiet PME. Use of movable noise barriers for Excavator, Lorry, Dump Truck, Mobile Crane, Compactor, Concrete Mixer Truck, Concrete Lorry Mixer, Breaker, Mobile Crusher, Backhoe, Vibratory Poker, Saw, Asphalt Paver, Vibratory Roller, Vibrolance, Hydraulic Vibratory Lance and Piling (Vibration Hammer). Use of full enclosure for Air Compressor, Compressor, Bar Bender, Generator, Drilling Rig, Chisel, Large Diameter Bore Piling, Grout Mixer & Pump and Concrete Pump.	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work Sites	Construction phase	EIAO-TM, NCO	
Noise Mitigation Plan	Use of Temporary Noise Barriers (i.e Acoustic box, SilentUp and etc.) or Full Enclosure for PME according to the approved Noise Mitigation Plan	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work Sites	Construction phase	EIAO-TM, NCO	
\$4.9	Good Site Practice						
S4.9	<ul> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program</li> </ul>		Project Proponent	Work sites	Construction Period	EIAO-TM, NCO	
\$4.9	<ul> <li>Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.</li> </ul>						
S4.9	<ul> <li>Mobile plant, if any, should be sited as far away from NSRs as possible.</li> </ul>	To minimize construction noise impact arising					
\$4.9	<ul> <li>Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.</li> </ul>	from the Project at the affected NSRs					
S4.9	<ul> <li>Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.</li> </ul>						
\$4.9	<ul> <li>Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.</li> </ul>						
S4.9	Scheduling of Construction Works during School Examination Period	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work site near school	Construction phase	EIAO-TM, NCO	
Water Quality Impa	et (Construction Phase)						
\$5.6.24	The dry density of filling material for the TKO-LT Tunnel reclamation should be 1,900kg/m <sup>3</sup> , with fine content of 25% or less	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO	
\$5.8.1	Non-dredged method by constructing steel cellular caisson structure with stone column shall be adopted for construction of seawall foundation. During the stone column installation (also including the installation of steel cellular caisson), silt curtain shall be employed around the active stone column installation points.	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO	
\$5.8.2	Formation of seawall enclosing the reclamation for Road P2 (notwithstanding an opening of about 50m for marine access) shall be completed prior to the filling activities. The seawall opening of about 50m wide for marine access shall be selected at a location as indicatively shown in Appendix 5.10. No more than 3 filling barge trips per day shall be made with a maximum daily rate of 3,000m <sup>3</sup> (i.e. 1,000 m <sup>3</sup> per trip) for the filling operation at the reclamation area for Road P2. All filling works shall be carried out behind the seawall with the use of single silt curtain at the marine access.	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO	

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
Silt Curtain Deployment Plan Silt Curtain Deployment Plan	<ul><li>Silt curtains should be deployed properly to surround the works area.</li><li>Maintenance of silt curtain should be provided.</li></ul>	Control potential impacts from marine woroks	Contractor	NE/2015/01	Construction stage	EIAO
Silt Curtain Deployment Plan	• Sufficient stock of silt curtain should be provided on site.					
\$5.8.3	Other good site practices should be undertaken during filling operations include:					
\$5.8.3	<ul> <li>all marine works should adopt the environmental friendly construction methods as far as practically possible including the use of cofferdams to cover the construction area to separate the construction works from the sea;</li> </ul>					
\$5.8.3 \$5.8.3	<ul> <li>floating single silt curtain shall be employed for all marine works;</li> <li>all vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;</li> </ul>					
\$5.8.3	<ul> <li>all hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material;</li> </ul>					
\$5.8.3 \$5.8.3	<ul> <li>excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved;</li> <li>adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action;</li> </ul>	Control potential impacts from filling activities and marine-based construction	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, Waste Disposal Ordinance (WDO)
\$5.8.3	<ul> <li>loading of barges and hoppers should be controlled to prevent splashing of filling material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation;</li> </ul>					
\$5.8.3	<ul> <li>any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes;</li> </ul>					
\$5.8.3	<ul> <li>construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; and</li> </ul>					
S5.8.3	<ul> <li>before commencement of the reclamation works, the holder of Environmental Permit has to submit plans showing the phased construction of the reclamation, design and operation of the silt curtain.</li> </ul>					
S5.8.4	Site specific mitigation plan for reclamation areas using public fill materials should be submitted for EPD agreement before commencement of construction phase with due consideration of good site practices.	Control potential impacts from filling activities and marine based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
ERR \$5.6.1	To minimize water quality impact arising from the dredging and filling works for Reclamation for Road P2, the following mitigation measures shall be implemented:					
ERR \$5.6.1	- Before carrying out any dredging and underwater filling works, a temporary barrier shall first be constructed to a height above the high water mark to completely enclose the works site (without any opening at the barrier wall)					
ERR \$5.6.1	- The temporary barrier fully enclosing the dredging and underwater filling works site shall not be removed before completion of all dredging and underwater filling works.	Control potential impacts from dredging and filling works for Reclamation for Road P2	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
ERR \$5.6.1	<ul> <li>Water quality sampling and testing shall be carried out to demonstrate that the water quality inside the enclosed barrier is comparable to the ambient or baseline levels prior to the removal of the fully enclosed barrier.</li> </ul>					
ERR S5.6.1	- Silt curtains shall be deployed for the installation and removal of the temporary barrier and at the double water gates marine access opening during its operation.					
S5.8.5	It is important that appropriate measures are implemented to control runoff and drainage and prevent high loading of SS from entering the marine environment. Proper site management is essential to minimise surface water runoff, soil erosion and sewage effluents.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.6	Any practical options for the diversion and realignment of drainage should comply with both engineering and environmental requirements in order to ensure adequate hydraulic capacity of all drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO, TM- DSS
S5.8.7	Construction site runoff and drainage should be prevented or minimised in accordance with the guidelines stipulated in the EPD's Practice Note for Professional Persons, Construction Site Drainage (ProPECC PN 1/94). Good housekeeping and stormwater best management practices, as detailed in below, should be implemented to ensure that all construction runoff complies with WPCO standards and no unacceptable impact on the WSRs arises due to construction of the TKO-LT Tunnel. All discharges from the construction site should be controlled to comply with the standards for effluents discharged into the corresponding WCZ under the TM-DSS.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO, TM- DSS
S5.8.8	Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include: <ul> <li>use of sediment traps; and</li> </ul>	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.8	<ul> <li>use of sedment traps, and</li> <li>adequate maintenance of drainage systems to prevent flooding and overflow.</li> </ul>					
S5.8.9	Construction site should be provided with adequately designed perimeter channel and pretreatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.10	Ideally, construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.11	Sedimentation tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8m <sup>3</sup> capacity, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity is flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.12	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.13	Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.14	Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50m <sup>3</sup> should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.15	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.16	Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.17	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.18	All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and located wheel washing bay should be provided at every site exit, and washwater should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheelwash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.19	Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.20	It is recommended that on-site drainage system should be installed prior to the commencement of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There shall be no direct discharge of effluent from the site into the sea.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.21	All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.23	Minimum distances of 100m shall be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes during construction and operational phases	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, TMDSS
S5.8.24	Under normal circumstances, groundwater pumped out of wells, etc. for the lowering of ground water level in basement or foundation construction, and groundwater seepage pumped out of tunnels or caverns under construction should be discharged into storm drains after the removal of silt in silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.25 - S5.8.27 & Table 5.18	Grouting would be adopted as measure to reduce the groundwater inflow into the tunnel. During the tunnel excavation, the inflow rate of groundwater into the tunnel will be measured during the excavation. The groundwater levels above the tunnel will also be monitored by piezometers. If the inflow rate exceeds the pre-determined groundwater control criteria or the groundwater drawdown exceeds the required limit, pre-excavation grouting will be required to reduce the groundwater inflow. No significant change of groundwater levels would therefore be expected. Any chemicals/ foaming agents which would be entrained to the groundwater quality impact would be minimal as the used material is non-toxic and biodegradable. No adverse groundwater quality would therefore be expected. Prescriptive measures in the form of an Action Plan with pre-emptive and re-active to preserve the groundwater levels at all times during the tunnel construction are set out in Table 5.18.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO, Buildings Ordinance
\$5.8.28	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be recirculated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phas	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.29 - S5.8.31	Wastewater generated from the washing down of mixing trucks and drum mixers and similar equipment should whenever practicable be recycled. The discharge of wastewater should be kept to a minimum. To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an online standby pump of adequate capacity and with automatic alternating devices. Under normal circumstances, surplus wastewater may be discharged into foul sewers after treatment in silt removal and pH adjustment facilities (to within the pH range of 6 to 10). Disposal of wastewater into storm drains will require more elaborate treatment.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.32	All vehicles and plant should be cleaned before they leave a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfall to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.33	Bentonite slurries used in diaphragm wall and borepile construction should be reconditioned and reused wherever practicable. If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.34	If the used bentonite slurry is intended to be disposed of through the public drainage system, it should be treated to the respective effluent standards applicable to foul sewer, storm drains or the receiving waters as set out in the WPCO Technical Memorandum on Effluent Standards.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.35	Water used in water testing to check leakage of structures and pipes should be reused for other purposes as far as practicable. Surplus unpolluted water could be discharged into storm drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
\$5.8.36	Sterilization is commonly accomplished by chlorination. Specific advice from EPD should be sought during the design stage of the works with regard to the disposal of the sterilizing water. The sterilizing water should be reused wherever practicable.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.37	Before commencing any demolition works, all sewer and drainage connections should be sealed to prevent building debris, soil, sand etc. from entering public sewers/drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.38	Wastewater generated from building construction activities including concreting, plastering, internal decoration, cleaning of works and similar activities should not be discharged into the stormwater drainage system. If the wastewater is to be discharged into foul sewers, it should undergo the removal of settleable solids in a silt removal facility, and pH adjustment as necessary	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.39	Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers. If there is no public foul sewer in the vicinity, the neutralized wastewater should be tinkered off site for disposal into foul sewers or treated to a standard acceptable to storm drains and the receiving waters	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.40	Wastewater collected from canteen kitchens, including that from basins, sinks and floor drains, should be discharged into foul sewer via grease traps capable of providing at least 20 minutes retention during peak flow.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.41	Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptor with peak storm bypass.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
\$5.8.42	Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.43	Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

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S5.8.44	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, WDO
S5.8.45	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO
S5.8.46	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The "Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes" published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:	Control actantial imports from conidental collage				
\$5.8.46 \$5.8.46	<ul> <li>suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport;</li> <li>chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and</li> </ul>	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, WDO
S5.8.46	<ul> <li>storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.</li> </ul>					
\$5.8.47	Collection and removal of floating refuse should be performed at regular intervals on a daily basis. The contractor should be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.	Control potential impacts from floating refuse and debris	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO,
Ecological Impact						
S6.8.4	Measures to Minimize Disturbance					
S6.8.4	<ul> <li>Use of Quiet Mechanical Plant during the construction phase should be adopted wherever possible.</li> </ul>					
\$6.8.4	<ul> <li>Hoarding or fencing should be erected around the works area boundaries during the construction phase. The hoarding would screen adjacent habitats from construction phase activities, reduce noise disturbance to these habitats and also to restrict access to habitats adjacent to works areas by site workers;</li> </ul>	Minimize noise, human and traffic disturbance to terrestrial habitat and wildlife; and reduce dust generation	Design Team / Contractor	Land-based works are	Construction Phase	N/A
\$6.8.4	• Regular spraying of haul roads to minimize impacts of dust deposition on adjacent vegetation and habitats during the construction activities					

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\$6.8.5	Standard Good Site Practice					
\$6.8.5	• Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimise disturbance to natural habitats.					
\$6.8.5	• Construction activities should be restricted to works areas that should be clearly demarcated. The works areas should be reinstated after completion of the works.	Reduce disturbance to surrounding habitats	Contractor	Land-based works are	Construction Phase	N/A
\$6.8.5	• Waste skips should be provided to collect general refuse and construction wastes. The wastes should be properly disposed off-site in a timely manner.		confluctor	Land based works are	Construction 1 hase	
\$6.8.5	<ul> <li>General drainage arrangements should include sediment and oil traps to collect and control construction site run-off.</li> </ul>					
\$6.8.5	Open burning on works sites is illegal, and should be strictly prohibited.					
\$6.8.5	<ul> <li>Measures should also be put into place so that litter, fuel and solvents do not enter the nearby watercourses.</li> </ul>					
\$6.8.6	Measure to Minimize Groundwater Inflow					
\$6.8.6	<ul> <li>The drained tunnel construction method with groundwater inflow control measures would generally be adopted.</li> </ul>	Minimize groundwater inflow	Contractor	Tunnel	Construction Phase	N/A
0606	During the tunnel excavation, pre-excavation grouting could be adopted to reduce the	winning groundwater innow	Conductor	Tullior	Construction I hase	1011
\$6.8.6	groundwater inflow and ensure that the tunnel would meet the long term water tightness requirements.					
\$6.8.8	Measure to Minimize Impact on Corals					
\$6.8.8	Coral translocation			Within reclamation areas and pier footprint	Prior construction	N/A
S6.8.8	• It is recommended to translocate the affected coral colonies, except the locally common <i>Oulastrea crispata</i> , within the reclamation area and bridge footprint to the other suitable locations as far as practicable.					
S6.8.8	• The coral translocation should be conducted during the winter months (November- March) in order to avoid disturbance during their spawning period (i.e. July to October).					
S6.8.8	<ul> <li>A detailed coral translocation plan with a description on the methodology for pretranslocation coral survey, translocation methodology, identification/proposal of coral recipient site, monitoring methodology for posttranslocation should be prepared during the detailed design stage.</li> </ul>		Design team, contractor,			
S6.8.8	<ul> <li>The coral translocation plan should be subject to approval by relevant authorities (e.g. EPD and AFCD) before commencement of the coral translocation. All the translocation exercises should be conducted by experienced marine ecologist(s) who is/are approved by AFCD prior to commencement of coral translocation.</li> </ul>	Minimize loss of coral	project operator			
\$6.8.8	Post translocation Monitoring					
S6.8.8	A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the translocated coral communities					
S6.8.8	• Information gathered during each posttranslocation monitoring survey should include observations on the presence, survival, health condition and growth of the translocated coral colonies. These parameters should then be compared with the baseline results collected from the pre-translocation survey.					

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S6.8.9 S6.8.10	<ul> <li>Measure to Control Water Quality Impact</li> <li>Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.</li> <li>Diverting of the site runoff to silt trap facilities before discharging into storm drain;</li> <li>Proper waste and dumping management; and</li> <li>Standard good-site practice for land-based construction.</li> </ul>	Control water quality impact, especially on suspended solid level; minimize the contamination of wastewater discharge, accidental chemical spillage and construction site runoff to the receiving water bodies	Design Team, contractor	Marine and landbased works area	Construction phase	WQO
S6.8.11	<ul> <li>Felling of mature trees should be compensated by planting of standard or heavy standard trees within or in vicinity of the affected area as far as practicable. Such compensatory planting for trees should be provided with at least a 1:1 ratio. In addition, vegetation at the temporarily affected area should be reinstated with species similar to the existing condition.</li> </ul>	Compensate for the vegetation loss	Design Team, contractor	Land-based works area	Construction phase	N/A
Fisheries Impact						
\$7.7.3	Measure to Control Water Quality Impact  Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.	Control water quality impact, especially on suspended solid level	Design Team / Contractor	Marine work area	Construction phase	WQO
Waste Management	(Construction Phase)					
\$8.6.3	<ul> <li>Good Site Practices and Waste Reduction Measures</li> <li>Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;</li> <li>Training of site personnel in site cleanliness, proper waste management and chemical handling procedures;</li> <li>Provision of sufficient waste disposal points and regular collection of waste;</li> <li>Appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and</li> <li>Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.</li> </ul>	To reduce waste management impacts	Contractor	All work sites	Construction Phase	Waste Disposal Ordinance (Cap. 354) Land (Miscellaneous Provisions) Ordinance (Cap. 28)
\$8.6.4	<ul> <li>Good Site Practices and Waste Reduction Measures (con't)</li> <li>Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> <li>Encourage collection of aluminium cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the workforce;</li> <li>Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and</li> <li>Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.</li> </ul>	To achieve waste reduction	Contractor	All work sites	Construction Phase	Waste Disposal Ordinance (Cap. 354) Land (Miscellaneous Provisions) Ordinance (Cap. 28)

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S8.6.5	Good Site Practices and Waste Reduction Measures (con't) The Contractor shall prepare and implement a WMP as part of the EMP in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.6	<ul> <li>Good Site Practices and Waste Reduction Measures (con't)</li> <li>C&amp;D materials would be reused in the project and other local concurrent projects as far as possible.</li> </ul>	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
\$8.6.7	Storage, Collection and Transportation of Waste					
\$8.6.7 \$8.6.7 \$8.6.7 \$8.6.7 \$8.6.7	<ul> <li>Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include:</li> <li>Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution;</li> <li>Maintain and clean storage areas routinely;</li> <li>Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and</li> <li>Different locations should be designated to stockpile each material to enhance reuse.</li> </ul>	To minimize potential adverse environmental impacts arising from waste storage	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan S8.6.8/ Waste Management Plan	<ul> <li>Storage, Collection and Transportation of Waste (con't)</li> <li>Remove waste in timely manner;</li> <li>Waste collectors should only collect wastes prescribed by their permits;</li> <li>Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers;</li> <li>Obtain relevant waste disposal permits from the appropriate authorities, 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);</li> <li>Waste should be disposed of at licensed waste disposal facilities/ alternative disposal ground approved by RE and DEP; and</li> <li>Maintain records of quantities of waste generated, recycled and disposed.</li> </ul>	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S8.6.9/ Waste Management Plan	<ul> <li>Storage, Collection and Transportation of Waste (con't)</li> <li>Implementation of trip ticket system with reference to DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction &amp; Demolition Materials, to monitor disposal of waste and to control fly-tipping at PFRFs or landfills. A recording system for the amount of waste generated, recycled and disposed (including disposal sites) should be proposed.</li> </ul>	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010
S8.6.11 - S8.6.13/ Waste Management Plan S8.6.11 - S8.6.13/ Waste Management Plan S8.6.11 - S8.6.13/ Waste Management Plan	<ul> <li>Sorting of C&amp;D Materials</li> <li>Sorting to be performed to recover the inert materials, reusable and recyclable materials before disposal off-site.</li> <li>Specific areas shall be provided by the Contractors for sorting and to provide temporary storage areas for the sorted materials.</li> </ul>		Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010 ETWB TCW No. 33/2002
S8.6.11 - S8.6.13/ Waste Management Plan	<ul> <li>The C&amp;D materials should at least be segregated into inert and non-inert materials, in which the inert portion could be reused and recycled in the reclamation as far as practicable before delivery to PFRFs. While opportunities for reusing the non-inert portion should be investigated before disposal of at designated landfills</li> </ul>					ETWB TCW No. 19/2005
S8.6.17 - S8.6.20 S8.6.17 - S8.6.20 S8.6.17 - S8.6.20	<ul> <li>Sediments (con't) <ul> <li>Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during boring, excavation, transportation and disposal of sediments or cement stabilization of sediment.</li> <li>A treatment area should be confined for carrying out the cement stabilization mixing and temporary stockpile. The area should be designed to prevent leachate from entering the ground. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).</li> </ul></li></ul>	To determine the best handling and treatment of sediment	Contractor	actor All works areas with sediments concern	Construction Phase	ETWB TCW No. 19/2005
S8.6.17 – S8.6.20	• In order to minimise the potential odour / dust emissions during boring, excavation and transportation of the sediment, the excavated sediments should be kept wet during excavation/boring and should be properly covered when placed on barges/trucks. Loading of the excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.					
S8.6.17 – S8.6.20	<ul> <li>In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site.</li> </ul>					

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S8.6.24 - S8.6.28/ Waste Management Plan	<ul> <li>Sediments (con't)</li> <li>The excavated sediments is expected to be loaded onto the barge and transported to the designated disposal sites allocated by the MFC. The excaveted sediment would be disposed of according to its determined disposal options and ETWB TC(W) No. 34/2002.</li> </ul>					
S8.6.24 - S8.6.28/ Waste Management Plan S8.6.24 - S8.6.28/ Waste Management Plan	<ul> <li>Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).</li> <li>In order to minimise the potential odour / dust emissions during boring and transportation of the sediment, the excavated sediments should be kept wet during excavation/boring and should be properly covered when placed on barges. Loading of the excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.</li> <li>The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that diving the surrounding water.</li> </ul>	To ensure handling of sediments are in accordance to statutory requirements	Contractor	All works areas with sediments concern	Construction Phase	ETWB TC(W) No. 34/2002 & Dumping at Sea Ordinance
S8.6.24 - S8.6.28/ Waste Management Plan	would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self- monitoring devices as specified by the DEP.					
S8.6.24 - S8.6.28/ Waste Management Plan	<ul> <li>In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site.</li> </ul>					
S8.6.24 - S8.6.28/ Waste Management Plan	<ul> <li>Another possible arrangement for Type 3 disposal is by geosynthetic containment. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, at the disposal site, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping, thereby meeting the requirements for fully confined mud disposal.</li> </ul>	To ensure handling of sediments are in accordance to statutory requirements	Contractor	All works areas with sediments concern	Construction Phase	ETWB TC(W) No. 34/2002 & Dumping at Sea Ordinance

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S8.6.26/ Waste Management Plan	Chemical Wastes. <ul> <li>If chemical wastes are produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.</li> </ul>	To ensure proper management of chemical waste	Contractor	Contractor All works sites		Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes Waste Disposal (Chemical Waste) (General) Regulation
S8.6.27/ Waste Management Plan	<ul> <li>General Refuse</li> <li>General refuse should be stored in enclosed bins or compaction units separate from C&amp;D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&amp;D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</li> </ul>	To ensure proper management of general refuse	Contractor	All works sites	Construction Phase	Public Health and Municipal Services Ordinance (Cap. 132)
Impact on Cultural H	eritage (Construction Phase)					
*	<ul> <li>Dust and visual impacts</li> <li>Temporarily fenced off buffer zone with allowance for public access (minimum 1 m) should be provided;</li> <li>The open yard in front of the temple should be kept as usual for annual Tin Hau festival;</li> <li>Monitoring of vibration impacts should be conducted when the construction works are less than 100m from the temple.</li> </ul>	To prevent dust and visual impacts Contractors		Work areas	Construction Phase	EIAO; GCHIA; AMO
\$9.6.4	<ul> <li>Indirect vibration impact</li> <li>Vibration level is suggest to be controlled within a peak particle velocity (ppv) limit of 5mm/s measured inside the historical buildings;</li> <li>Monitoring of vibration should be carried out during construction phase.</li> <li>Tilting and settlement monitoring should will be applied on the Cha Kwo Ling Tin Hau Temple as well.</li> <li>A proposal with details for the mitigation measures and monitoring of impacts on built heritage shall be submitted to AMO for comments before commencement of work.</li> </ul>	To prevent indirect vibration impact	Contractors	Work areas	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
Built Heritage Mitigation Plan	<ul> <li>Established Alert, Alarm and Action Level for the monitoring parameters.</li> <li>To increase the instrumentation monitoring and reporting frequency.</li> <li>To propose detailed action plan or contingency plan for the Engineer's approval when AAA Level is reached or exceeded.</li> </ul>	To prevent vibration impacts	NE/2015/01	Tin Hau Temple	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.
Landscape and Visua	al Impact (Construction Phase)					
Table 10.8.1/ Landscape Mitigation Plan	CM1 - Construction area and contractor's temporary works areas to be minimised to avoid impacts on adjacent landscape.	Avoid impact on adjacent landscape areas	CEDD (via Contractor)	General	Construction planning and during construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM2 - Reduction of construction period to practical minimum.	Minimise duration of impact	CEDD (via Contractor)	N/A	Construction planning	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM3 - Topsoil, where the soil material meets acceptable criteria and where practical, to be stripped and stored for re-use in the construction of the soft landscape works. The Contract Specification shall include storage and reuse of topsoil as appropriate.	To allow re-use of topsoil	CEDD (via Contractor)	General	Site clearance	As per the Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM4 - Existing trees at boundary of site and retained trees within site boundary to be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification, under which 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 protection measures will be detailed at Tree Removal Application stage).	To minimize tree loss	CEDD (via Contractor)	As per approved Tree Removal Application(s)	Site clearance and throughout construction period	ETWB TC 3/2006 and as per tree protection measures in Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM5 - Trees unavoidably affected by the works shall be transplanted where practicable. Where possible, trees should be transplanted direct to permanent locations rather than temporary holding nurseries. A detailed tree transplanting specification shall be provided in the Contract Specification and sufficient time for preparation shall be allowed in the construction programme.	To maximize preservation of existing trees	CEDD (via Contractor)	As per approved Tree Removal Application(s)	Site clearance	ETWB TC 3/2006 and as per tree protection measures in Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM6 - Advance screen planting of fast growing tree and shrub species to noise barriers and hoardings. Trees shall be capable of reaching a height >10m within 10 years.	To maximize screening of the works	CEDD (via Contractor)	At Lam Tin Interchange and edge of Road P2 landscape deck, TKO	Beginning of construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM7 - Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material	To reduce visual intrusion	CEDD (via Contractor)	General	Throughout construction period	As per Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM8 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.	To reduce visual intrusion	CEDD (via Contractor)	General	Throughout construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM9 - Screening of works areas with hoardings with appropriate colours compatible with the surrounding area	Reduction of visual intrusion	CEDD (via Contractor)	Project site Boundary	Excretion of site hoarding	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM10 - Avoidance of excessive height and bulk of site buildings and structure	Reduction of visual intrusion and integration with environment	CEDD (via Contractor)	Built structures	Design and construction stage	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM11 - Limitation of run-off into freshwater streams, ponds and sea areas	Avoidance of contamination of water courses and water bodie	CEDD (via Contractor)	TKO reclamation, TKO tunnel portal, Cha Kwo Ling roadworks	Throughout construction period	N/A

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Table 10.8.1	CM12 - Minimise area of reclamation and design the edges sensitively to tie in with adjacent coastline characte	Minimise loss of Junk Bay and integration with existing coastlin	CEDD (via Contractor)	Temporary reclamation for barging points at TKO and Lam Tin and permanent reclamation for TKO Interchange slip roads and Road P2	Construction planning and reclamation stages	N/A	
Landfill Gas Hazard	(Design and Construction Phase)						
S11.5.9	A Safety Officer, trained in the use of gas detection equipment and landfill gas-related hazards, should be present on site throughout the groundworks phase. The Safety Officer should be provided with an intrinsically safe portable instrument, which is appropriately calibrated and able to measure the following gases in the ranges indicated below: Methane 0-100% LEL and 0100% v/v Carbon dioxide 0-100% Oxygen 0-21%	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note	
\$11.5.10 \$11.5.25	Safety Measures						
\$11.5.10 \$11.5.25	<ul> <li>For staff who work in, or have responsibility for "at risk" area, such as all excavation workers, supervisors and engineers working within the Consultation Zone, should receive appropriate training on working in areas susceptible to landfill gas, fire and explosion hazards.</li> </ul>						
\$11.5.10 \$11.5.25	<ul> <li>An excavation procedure or code of practice to minimize landfill gas related risk should be devised and carried out.</li> </ul>			Project sites within the Sai		EPD's Landfill Gas Hazard Assessment	
\$11.5.10 \$11.5.25	<ul> <li>No worker should be allowed to work alone at any time in or near to any excavation. At least one other worker should be available to assist with a rescue if needed.</li> </ul>	Protect the workers from landfill gas hazards	Contractor	Tso Wan Landfill Consultation Zone	Construction phase	Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space	
\$11.5.10 \$11.5.25	<ul> <li>Smoking, naked flames and all other sources of ignition should be prohibited within 15m of any excavation or ground-level confined space. "No smoking" and "No naked flame" notices should be posted prominently on the construction site and, if necessary, special areas should be designed for smoking.</li> </ul>						
\$11.5.10 \$11.5.25	<ul> <li>Welding, flame-cutting or other hot works should be confined to open areas at least 15m from any trench or excavation.</li> </ul>						

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
\$11.5.10 \$11.5.25	• Welding, flame-cutting or other hot works may only be carried out in trenches or confined spaces when controlled by a "permit to work" procedure, properly authorized by the Safety Officer (or, in the case of small developments, other appropriately qualified person).					
\$11.5.10 \$11.5.25	• The permit to work procedure should set down clearly the requirements for continuous monitoring for methane, carbon dioxide and oxygen throughout the period during which the hot works are in progress. The procedure should also require the presence of an appropriately qualified person, in attendance outside the 'confined area', who should be responsible for reviewing the gas measurements as they are made, and who should have executive responsibility for suspending the work in the event of unacceptable or hazardous conditions. Only those workers who are appropriately trained and fully aware of the potentially hazardous conditions which may arise should be permitted to carry out hot works in confined areas.					
\$11.5.10 \$11.5.25	• Where there are any temporary site offices, or any other buildings located within the Sai Tso Wan Landfill Consultation Zone which have enclosed spaces with the capacity to accumulate landfill gas, then they should either be located in an area which has been proven to be free of landfill gas (by survey using portable gas detectors); or be raised clear of the ground by a minimum of 500mm. This aims to create a clear void under the structure which is ventilated by natural air movement such that emission of gas from the ground are mixed and diluted by air.			Project sites within the Sai		EPD's Landfill Gas Hazard Assessment
\$11.5.10 \$11.5.25	<ul> <li>Any electrical equipment, such as motors and extension cords, should be intrinsically safe. During piping assembly or conduiting construction, all valves/seals should be closed immediately after installation. As construction progresses, all valves/seals should be closed to prevent the migration of gases through the pipeline/conduit. All piping /conduiting should be capped at the end of each working day.</li> </ul>	Protect the workers from landfill gas hazards	Contractor	Tso Wan Landfill Consultation Zone	Construction phase	Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space
\$11.5.10 \$11.5.25	<ul> <li>During construction, adequate fire extinguishing equipment, fire-resistant clothing and breathing apparatus (BA) sets should be made available on site.</li> </ul>					
\$11.5.10 \$11.5.25	<ul> <li>Fire drills should be organized at not less than six monthly intervals.</li> <li>The contractor should formulate a health and safety policy, standards and instructions</li> </ul>					
S11.5.10 S11.5.25 S11.5.10 S11.5.25	<ul> <li>The contractor should formulate a hearn and safety policy, standards and instructions for site personnel to follow.</li> <li>All personnel who work on the site and all visitors to the site should be made aware of the possibility of ignition of gas in the vicinity of excavations. Safety notices (in Chinese and English) should be posted at prominent position around the site warning danger of the potential hazards.</li> </ul>					
\$11.5.10 \$11.5.25	• Service runs within the Consultation Zone should be designated as "special routes"; utilities companies should be informed of this and precautionary measures should be implemented. Precautionary measures should include ensuring that staff members are aware of the potential hazards of working in confined spaces such as manholes and service chambers, and that appropriate monitoring procedures are in place to prevent hazards due to asphyxiating atmospheres in confined spaces. Detailed guidance on entry into confined spaces is given in Code of Practice on Safety and Health at Work in Confined Spaces (Labour Department, Hong Kong).					

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
\$11.5.10 \$11.5.25	<ul> <li>Periodically during ground-works construction within the 250m Consultation Zone, the works area should be monitored for methane, carbon dioxide and oxygen using appropriately calibrated portable gas detection equipment. The monitoring frequency and areas to be monitored should be set down prior to commencement of ground-works either by the Safety Officer or an approved and appropriately qualified person.</li> </ul>	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space
S11.5.26 - S11.5.31 S11.5.26 - S11.5.31	<ul> <li>Monitoring <ul> <li>Routine monitoring should be carried out in all excavations, manholes, chambers, relocation of monitoring wells and any other confined spaces that may have been created. All measurements in excavations should be made with the extended monitoring tube located not more than 10 mm from the exposed ground surface. Monitoring should be performed properly to make sure that the area is free of landfill gas before any man enters into the area.</li> <li>For excavations deeper than 1m, measurements should be carried out: <ul> <li>at the ground surface before excavation commences;-</li> <li>immediately before any worker enters the excavation;</li> <li>at the beginning of each working day for the entire period the excavation remains open; and</li> <li>periodically throughout the working day whilst workers are in the excavation.</li> </ul> </li> <li>For excavations between 300mm and 1m deep, measurements should be carried out: <ul> <li>directly after the excavation nemains open.</li> <li>For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer or other appropriately qualified person.</li> </ul> </li> <li>Depending on the results of the measurements, actions required will vary and should be set down by the Safety Officer or other appropriately qualified person.</li> </ul></li></ul>	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note
S11.5.26 - S11.5.31	of works, but should be at least once per day, and be carried out by a suitably qualified or qualified person before starting the work of the day. Measurements shall be recorded and kept as a record of safe working conditions with copies of the site diary and submitted to the Engineer for approval. The Contractor may elect to carry out monitoring via an automated monitoring system.					
\$11.5.32	The hazards from landfill gas during the construction stage within the Sai Tso Wan Landfill Consultation Zone should be minimized by suitable precautionary measures recommended in Chapter 8 of the Landfill Gas Hazard Assessment Guidance Note.	construction stage within the Sai Tso Wan Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note

#### Table II - Observation / Reminder / Non-compliance made during Site Audit

# ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit X Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit # Follow up action will be reported in next reporting month # Non-compliance of mitigation measure • Non-compliance but improved by the contractor

Key:

EIA Ref Water Quality I	Recommended Mitigation Measures	Contract No.	Work Sites	Details of Reminder/Observation	Recorded Date	Statu
Water Quality I S5.8.6	mpact Any practical options for the diversion and realignment of drainage should comply with both engineering and environmental requirements in order to ensure adequate hydraulic capacity of all drains.	NE2015/01	Slope A	The Contractor is reminded to remove debris at drainage channels to ensure proper fuction of drainage system.	13-Jul-22	~
Ecological Impa						
Construction No	oise Impact · Silencers or mufflers on construction equipment should be		1			1
54.9	utilized and should be properly maintained during the construction program.	NE2015/01	Portion III & WVB	The Contractor is remided to replace damaged acoustic sheet.	4-May-22 11-May-22	1
andscape and						
Air Quality Imp				The Contractor is reminded to sprinkle water		
\$3.8.7	<ul> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs</li> </ul>	NE2015/01	Portion III	during drilling activities to suppress dust emission.	4-May-22	~
33.8.7	<ul> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs</li> <li>Watering eight times a day on active works areas, exposed areas and</li> </ul>	NE2015/01	ADB	The Contractor is reminded to suppress dust emission for the drill. The Contractor is reminded to water haul road to	11-May-22	√
33.8.1	paved haul roads	NE2015/01	Landscape Deck	suppress dust emission.	18-May-22	1
	Valid No-road Mobile Machinery (NRMM) labels should be provided to regulated machines	NE2015/01	Portion III	NRMM was missing on a loader.	22-Jun-22	√
33.8.1	Watering eight times a day on active works areas, exposed areas and paved haul roads	NE2015/02	Portion IX	The haul road appears to be dry. The Contractor is reminded to sprinkle water regularly to suppress dust nuisance to the surroundings.	28-Jul-22	#
33.8.7	<ul> <li>Use of frequent watering for particularly dusty construction areas and areas close to ASRs</li> </ul>	NE2017/02	Area A	The Contractor is reminded to clean the haul road connecting to the exit.	15-Jul-22	1
isheries Impac						
Waste Manager	nent					<u> </u>
\$5.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to remove chemicals or provide drip tray to the chemicals.	11-May-22	~
\$5.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to remove water in the drip tray after the rain to ensure adequate capacity of the drip tray.	18-May-22	~
88.6.8/ Waste Management Plan	· Remove waste in timely manner;	NE2015/01	Portion III	The Contractor is reminded to remove waste at a timely manner and sort waste accordingly.	25-May-22	~
3.8.6.3	<ul> <li>Sorting to be performed to recover the inert materials, reusable and recyclable materials before disposal off-site.</li> </ul>	NE2015/01	Portion III	The Contractor is reminded to remove waste at a timely manner and sort waste accordingly.	25-May-22	~
3.8.6.4	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	NE2015/01	Portion III	The Contractor is reminded to remove oil stain on the haul road.	25-May-22	~
\$.8.6.5	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to provide drip tray for the chemicals.	25-May-22	~
S8.6.8/ Waste Management Plan	· Remove waste in timely manner;	NE2015/02	Portion IX	The Contractor is reminded to remove waste in a timely manner	26-May-22	~
35.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to remove water in the drip tray to ensure it's capacity.	1-Jun-22	~
\$5.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to provide drip tray to chemicals or remove the chemicals.	15-Jun-22	~
S8.6.8/ Waste Management Plan	· Remove waste in timely manner;	NE2015/01	Portion III	Accumulation of general refuse and construction waste was observed.	22-Jun-22	~
3.8.6.3	· Remove waste in timely manner;	NE2015/02	Underpass	Accumulation of general refuse and construction waste was observed.	22-Jun-22	~
5.8.6.4	Remove waste in timely manner;	NE2015/02	Underpass	The Contractor is reminded to remove	30-Jun-22	#
S.8.6.5	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	NE2015/02	Unedrpass	accumulated waste. The Contractor is reminded to remove oil stain.	30-Jun-22	#
88.6.8/ Waste M		NE2017/07	Portion I	The Contractor is reminded to remove general refuse regularly.	23-Jun-22	~
35.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	NE2015/01	Portion III	The Contractor is reminded to provide drip tray to chemicals	6-Jul-22 27-Jul-22	~
S8.6.8/ Waste Management Plan	Remove waste in timely manner;	NE2015/01	Portion III	The Contractor is reminded to remove accumulated general waste regularly.	13-Jul-22	1
S8.6.8/ Waste Management Plan	· Remove waste in timely manner;	NE2015/01	Portion III	The Contractor is reminded to remove waste in a timely manner.	20-Jul-22	~
5.8.6.3	Remove waste in timely manner;	NE2015/02	Underpass	The Contractor is reminded to remove	30-Jun-22	~
5.8.6.4	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	NE2015/02	Underpass	accumulated waste. The Contractor is reminded to remove oil stain.	30-Jun-22	~
	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of	NE2015/02	Portion IX	The Contractor is remindewd to remove the chemical nearby the seafront.	8-Jul-22	~
S.8.6.5 S8.6.8/ Waste	the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.			chemical hearby the scariolic.		

APPENDIX J WASTE GENERATED QUANTITY Name of Department: Civil Engineering Development Department



/ 種額・中建聯盟 Leighton - China State Joint Venture

Monthly Summary Waste Flow Table for Jul 2022

	Actu	al Quantities	of Inert C&D	Materials G	enerated Mo	nthly	Actual (	Quantities of	C&D Wastes	Generated I	Monthly
Month	a.Total Quantity Generated (see Note 8)	b. Hard Rock and Large Broken Concrete	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill	f. Imported Fill	g. Metals (see Note 5)	h. Paper / Cardboard Packaging (see Note 5)	(See Note 3)	j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
January	17.360	6.604	0.000	0.000	17.360	0.000	0.000	0.000	0.000	0.000	1.607
February	9.396	2.818	0.000	0.000	9.396	0.000	0.000	0.000	0.000	0.000	0.556
March	13.004	5.109	0.000	0.000	13.004	0.000	0.000	0.000	0.000	0.000	1.199
April	15.479	6.773	0.000	0.000	15.479	0.000	0.000	0.000	0.000	0.000	1.412
May	13.225	4.955	0.000	0.000	13.225	0.000	0.000	0.000	0.000	0.000	1.567
June	13.812	6.082	0.000	0.000	13.812	0.000	0.000	0.000	0.000	0.000	1.592
Sub-total	82.276	32.341	0.000	0.000	82.276	0.000	0.000	0.000	0.000	0.000	7.933
July	12.286	3.098	0.000	0.000	12.286	0.000	0.000	0.000	0.000	0.000	1.902
August											
September											
October											
November											
December											
Total	94.562	35.439	0.000	0.000	94.562	0.000	0.000	0.000	0.000	0.000	9.835

Total inert C&D waste generated = c+d+e

Total inert C&D waste recycled = c+d

% of recycled inert C&D waste = Total C&D waste recycled / Total C&D waste generated

Name of Department: Civil Engineering Development Department



#### Notes: (1) The performance target are given in PS Clause 6(14)

- (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site
- (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
- (4) The Contractor shall also submit the latest forecast of the amount of C&D materials expected to be generated from the Works, together with a break down of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m3. (PS Clause 1.105(4) refers)
- (5) All recyclable materials, including metals, paper / cardboard packaging, plastics, etc. will be collected by registered collector for recycling.
- (6) Conversion factors for reporting purpose:

in-situ: rock = 2.5 tonnes/m<sup>3</sup>; soil = 2.0 tonnes/m<sup>3</sup>

- (7) excavated: rock = 2.0 tonnes/m<sup>3</sup>; soil = 1.8 tonnes/m<sup>3</sup>; broken concrete and bitumen = 2.4 tonnes/m<sup>3</sup>, soil and rock = 1.9 tonnes/m<sup>3</sup>
- (8) C&D Waste =  $0.9 \text{ tonnes/m}^3$ ; bentonite slurry =  $2.8 \text{ tonnes/m}^3$

Diesel density: 0.8kg/l

Numbers are rounded off to the nearest three decimal places

The "Total Quantity Generated" equals to the sum of "Reuse in the Contract", "Reuse in Other Projects" and "Disposed as Public Fill"

		Actual Qua	ntities of Inert C&D	Materials Generat	ed Monthly			Actual Quantities	of C&D Wastes Ge	enerated Monthly	
Month	Total Quantity Generated	Hard Rock and Large Borken 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 <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m <sup>3</sup> ]
Jan	0.19505	0.00000	0.00000	0.00000	0.19505	0.00000	30.87000	0.00000	0.00000	0.00000	0.19012
Feb	0.40030	0.00000	0.00000	0.00000	0.40030	0.00000	34.60000	0.00000	0.00000	0.00000	0.12334
Mar	0.26404	0.00000	0.00000	0.00000	0.26404	0.00000	66.80000	0.00000	0.00000	0.00000	0.29312
Apr	0.19612	0.00000	0.00000	0.00000	0.19612	0.00000	8.38000	0.00000	0.00000	0.00000	0.29434
May	0.32200	0.00000	0.00000	0.00000	0.32200	0.00000	71.57000	0.00000	0.00000	0.00000	0.25900
June	0.99100	0.00000	0.00000	0.00000	0.28823	0.70277	44.30000	0.00000	0.00000	0.00000	0.39504
SUB- TOTAL	2.36849	0.00000	0.00000	0.00000	1.66572	0.70277	256.52000	0.00000	0.00000	0.00000	1.55496
Jul	1.05537	0.00000	0.00000	0.00000	0.14540	0.90997	16.29000	0.00000	0.00000	0.00000	0.35734
Aug	0.00000										
Sep	0.00000										
Oct	0.00000										
Nov	0.00000										
Dec	0.00000										
TOTAL	3.42386	0.00000	0.00000	0.00000	1.81112	1.61274	272.81000	0.00000	0.00000	0.00000	1.91230

#### Monthly Summary Waste Flow Table for 2022 Year

Note: Conversion to 1000m<sup>3</sup> for general refuse is weight in 1000kg multiply by 0.002

Conversion to 1000m<sup>3</sup> for Inert C&D is weight in 1000kg multiply by 0.0005

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

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



## Monthly Summary of Waste Flow Table for 2022

Name of Person completing the Record: Steve Wong

	Actual Qu	uantities of Ind	ert C&D Mater	rials Generate	ed Monthly	Actual Qua	ntities of Non-	-inert C&D Wa	astes Genera	ted Monthly	
Month	Total Quantity	Broken Concrete	Reused in the Contract	Reused in other	Disposed as Public Fill	Metals	Paper/ cardboard	Plastics	Chemical Waste	Others, e.g. general	
	Generated	(see Note 1)		Projects			packaging	(see Note 2)	maoto	refuse	
	(in '000m <sup>3</sup> )	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)	(in '000m <sup>3</sup> )					
Jan	0.175	0	0	0	0.1716	0	0	0	0	0.00845	
Feb	0.1881	0	0	0	0.1170	0	0	0	0	0.0711	
Mar	0.3261	0	0	0	0.3220	0	0	0	0	0.00413	
Apr	0.0405	0	0	0	0.0385	0	0	0	0	0.00195	
May	0.7575	0	0	0	0.7300	0	0	0	0	0.0275	
Jun	0.1878	0	0	0	0.1799	0	0	0	0	0.00793	
Sub-total	1.6750	0	0	0	1.5590	0	0	0	0	0.1126	
Jul	0.3459	0	0	0	0.3440	0	0	0	0	0.00188	
Aug	0.0000	0	0	0	0.0000	0	0	0	0	0	
Sep	0.0000	0	0	0	0.0000	0	0	0	0	0	
Oct	0.0000	0	0	0	0.0000	0	0	0	0	0	
Nov	0.0000	0	0	0	0.0000	0	0	0	0	0	
Dec	0.0000	0	0	0	0.0000	0	0	0	0	0	
Total	2.0209	0	0	0	1.9030	0	0	0	0	0.1145	

Notes:

(1) Broken concrete for recycling into aggregates.

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

(3) Use the conversion factor: 1 full load of 24t / 30t dumping truck being equivalent to 6.5m3 / 8.125 m3 by volume.



Name of Department: Civil Engineering & Development Department

Contract No.: NE/2017/06

		Actual Quantitie	es of Inert C&I	O Materials Ger	nerated Monthl	у	Actu	al Quantities o	f C&D Wastes	Generated Mo	nthly
Month	Total Quantity Generated	Hard Rock & Large Broken Concrete	Reused in the	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Chemical Waste	Others, e.g. General Refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	0	0	0	0	0	0	0	0	0	0	0.006
Feb	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0.006
May	0	0	0	0	0	0	0	0	0	0	0.003
Jun	0	0	0	0	0	0	0	0	0	0	0.108
Sub-total	0	0	0	0	0	0	0	0	0	0	0.123
Jul	0	0	0	0	0.024	0	0	0	0	0	0.036
Aug											
Sep											
Oct											
Nov											
Dec											
Total	0	0	0	0	0.024	0	0	0	0	0	0.159

## Monthly Summary Waste Flow Table For 2022

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

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

(3) Each dump truck carries  $6m^3$  of general refuse when full-load.

(4) The commencement date of the Contract is 9 November 2018. The current reporting period is from 1 July 2022 to 31 July 2022.



#### Monthly Summary Waste Flow Table for 2022

Name of Department: Civil Engineering and Development Department

#### Contract No.: <u>NE/2017/01</u>

	Actu	al Quantities	of Inert C&I	) Materials G	enerated Mor	nthly	Actual	Quantities of	f C&D Wastes	Generated M	Ionthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	orner	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	0.0018	0.0000	0.0000	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0512
Feb	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0167
Mar	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0297
Apr	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0213
May	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0117
Jun	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088
Sub-total	0.0018	0.0000	0.0000	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.1393
Jul	0.0234	0.0000	0.0000	0.0000	0.0234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0137
Aug											
Sep											
Oct											
Nov											
Dec											
Total	0.0252	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.0000	0.0000	0.0000	0.1530

Notes: 1. Assume the density of soil fill is  $2 \text{ ton/m}^3$ .

2. Assume the density of rock and broken concrete is  $2.5 \text{ ton/m}^3$ .

3. Assume the density of mixed rock and soil is  $1.9 \text{ ton/m}^3$ .

4. Assume the density of slurry and bentonite is  $2.8 \text{ ton/m}^3$ .

5. The slurry and bentonite are disposed at Tseung Kwan O Area 137 Fill Bank.

6. Assume the density of C&D waste is  $0.9 \text{ ton/m}^3$ .

7. The non-inert C&D wastes are disposed at NENT.

## Monthly Summary Waste Flow Table for <u>2022</u> (year)

Name of Person completing the record: <u>Sedo Sze (EO)</u>

Project : Cross Bay Link, TKO, Main Bridge and Associated Works

		Actual Quantit	ies of Inert C&	D Materials Ger	nerated Monthly		Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse		
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 m <sup>3</sup> )		
Jan	0.162	0.000	0.000	0.000	0.162	0.000	0.000	0.171	0.000	0.000	0.768		
Feb	0.066	0.000	0.000	0.000	0.066	0.000	0.000	0.210	0.000	0.000	0.513		
Mar	0.306	0.000	0.000	0.000	0.306	0.000	0.000	0.163	0.000	0.000	0.750		
Apr	0.126	0.000	0.000	0.000	0.126	0.000	0.000	0.182	0.000	0.000	0.552		
May	0.054	0.000	0.000	0.000	0.054	0.000	0.000	0.194	0.000	0.000	0.600		
Jun	0.306	0.000	0.000	0.000	0.306	0.000	0.000	0.158	0.000	0.000	0.439		
Sub-total	1.020	0.000	0.000	0.000	1.020	0.000	0.000	1.078	0.000	0.000	3.623		
Jul	0.102	0.000	0.000	0.000	0.102	0.000	0.000	0.204	0.000	0.000	0.422		
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Total	1.122	0.000	0.000	0.000	1.122	0.000	0.000	1.282	0.000	0.000	4.045		

Contract No.: NE/2017/07

Note:

1. For non-inert portion of C&D material, assume the density of 1 m<sup>3</sup> general refuse is equal to 200 kg.

2. For inert portion of C&D material, assume 6 m<sup>3</sup> per each full-filled dump truck.

3. All values are round off to the third decimal places.

APPENDIX K SUMMARY OF EXCEEDANCE

## Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel – Design and Construction Appendix K-1 – Summary of Exceedance

1

**Reporting Period: May 2022 – July 2022** 

#### (A) Exceedance Report for Air Quality Action Level for Air Quality (NIL in the reporting quarter)

## Limit Level for Air Quality

(NIL in the reporting quarter)

#### Non-Compliance for Air Quality (NIL in the reporting quarter)

## Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel – Design and Construction Appendix K-1 – Summary of Exceedance

#### (B) Exceedance Report for Construction Noise

#### **Action Level for Construction Noise**

Ten (10) Action Level exceedances were recorded due to the documented complaints received from monitoring station in the reporting quarter. Please refer to the complaint log in Appendix L.

#### Limit Level for Construction Noise

Two (2) Limit Level exceedances was recorded in the reporting quarter. The details shall be referred to Appendix K-2.

Date	Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A))	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
10-May-22	( 'N/I I	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	10:00	77.9	65.5	<u>78</u>	75	Limit

Date	Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A))	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
06-June-22	CM1	CM1 Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	10:52	77.9	65.5	<u>77.6</u>	When one documented	75 -	Limit
00-Julie-22	CMI		11:22	72.6	65.5	71.7	complaint is received.		N/A

## Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel – Design and Construction Appendix K-1 – Summary of Exceedance

3

Despite five (5) exceedances for nighttime construction noise monitoring were recorded in the reporting month, none of them is considered to be project-related.

Date	Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A) 5min)	Average L <sub>eq</sub>	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))		Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
		Nga Lai House, Yau	23:10	66.3						
30-June-22	CM1	Lai Estate Phase 1,	23:15	65.9	66.0	63.7	<u>62</u>			
		Yau Tong	23:20	65.9						
		Bik Lai House, Yau	23:40 64.9							
30-June-22	CM2	Lai Estate Phase 1, Yau Tong	23:45	64.1	64.5	60.8	<u>62</u>	When one documented complaint is received.	55	
			23:50	64.4						
		Block S, Yau Lai Estate Phase 5, Yau Tong	00:10	63.3	63.6	61.8	<u>59</u>			
30-June-22	CM3		00:15	63.9						Limit
			00:20	63.5						
		Nga Lai House, Yau	23:10	66.7						
15-July-22	CM1	Lai Estate Phase 1,	23:15	65.8	66.2	63.7	<u>63</u>			
		Yau Tong	23:20	65.9						
		Bik Lai House, Yau	23:40	65.0						
15-July-22	CM2	Lai Estate Phase 1,	23:45	65.4	64.8	60.8	<u>63</u>			
		Yau Tong	23:50	64.0						

#### **Non-Compliance for Construction Noise**

(NIL in the reporting quarter)

## Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel – Design and Construction Appendix K-1 – Summary of Exceedance (C) Exceedance Report for Water Quality

**Groundwater Quality** 

Since October 2019, groundwater monitoring had been suspended.

#### **Marine water Quality**

Forty-three (43) Action Level exceedances and one-hundred forty-three (143) Limit Level Exceedances in Marine Water Quality were recorded in the reporting quarter. (Please refer to Appendix K-2.)

#### (D) Exceedance Report for Ecology

(NIL in the reporting quarter)

#### (E) Exceedance Report for Cultural Heritage

(NIL in the reporting quarter)

#### (F) Exceedance Report for Landfill Gas

(NIL in the reporting quarter)

- Notification & Investigation of Exceedances

NOE No. 220510\_noise (CM1) Exceedance Level: Limit

Time of Measurement: 15:18 -16:18

**Date of Noise Monitoring:** <u>10 May 2022</u>

#### Part A – Exceedance Summary Tables

Table I:	Parameter(s) – Construction Noise
----------	-----------------------------------

	Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A))	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
	CM1	Nga Lai House, Yau Lai Estate Phase 1	15:18	77.9	65.5	<u>77.6</u>	When one documented	75 Limit	Limit
		Yau Tong	15:48 77.2		65.5	<u>76.9</u>	complaint is received.	75	LIIIII

#### **Investigation Summary**

(a) Statement of exceedance(s)

Construction noise level(s) measured at CM1 exceed the construction noise (day time) limit level.

#### (b) Cause of exceedance(s) / Remarks

The exceedance is considered related to the Project works:

- Various construction noises were heard during the noise measurement, our field staff reported that the noise from the breaker was continuously heard through the first noise measurement. Other reported construction noises are believed to be occasionally generated from PMEs including bar bender and excavator.
- Some percussive / breaking noise from LTI and Portion IVC was also observed during monitoring.

Part B - Conclusion: The exceedance of daytime noise limit level is related to the Project.\_

Part C – Recommendation: Proper implementation of noise mitigation measures are required.

man ETL Signature:

Date: 10 May 2022

- Notification & Investigation of Exceedances

NOE No. 220606\_noise (CM1) Exceedance Level: Limit

**Time of Measurement**: 10:52 -11:52

**Date of Noise Monitoring:** <u>6 June 2022</u>

#### Part A – Exceedance Summary Tables

Table I:	Parameter(s) – Construction Noise
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Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A))	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
CM1	Nga Lai House, Yau Lai Estate Phase 1.	10:52	77.9	65.5	<u>77.6</u>	When one documented	75	Limit
	Yau Tong	11:22	72.6	65.5	71.7	complaint is received.	15	N/A

#### **Investigation Summary**

(a) Statement of exceedance(s)

Construction noise level(s) measured at CM1 exceed the construction noise (day time) limit level.

#### (b) Cause of exceedance(s) / Remarks

The exceedance is considered related to the Project works:

- Our field staff reported that percussive / breaking noise from LTI and Portion IVB were heard during the first measurement.
- From the photos taken by our field staff, despite noise barrier was placed near at the breaker at Portion IVB, it was not able to block the direct line of sight. Other potential noise that may contribute to the noise nuisance:
- Traffic noise near Eastern Habour Crossing
- Construction noise from construction works for T2 Trunk Road Project
- Construction noise from construction works at Lam Tin Ambulance Depot

Part B - Conclusion: The exceedance of daytime noise limit level is related to the Project.

Part C – Recommendation: Proper implementation of noise mitigation measures are required.

man ETL Signature:

Date: <u>6 June 2022</u>

MA16034\NOE\220606\_CM1

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## - Notification & Investigation of Exceedances

NOE No. 220630\_noise\_night-time\_(CM1, CM2, CM3) Exceedance Level: Limit

**Time of Measurement**: Refer to the table below

Date of Noise Monitoring: <u>30 June 2022 - 1 July 2022</u>

#### Part A – Exceedance Summary Tables

#### Table I: Parameter(s) – Construction Noise

Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A) 5min)	Average L <sub>eq</sub>	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
		23:10	66.3			<u>62</u>			
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	23:15	65.9	66.0	63.7		When one documented complaint is		
	riase r, raa rong	23:20	65.9						
	Bik Lai House, Yau Lai Estate Phase 1, Yau Tong	23:40	64.9	64.5		<u>62</u>		55	
CM2		23:45	64.1		60.8				Limit
		23:50	64.4				received.		
		00:10	63.3	63.6					
CM3	Block S, Yau Lai Estate Phase 5, Yau Tong	00:15	63.9		61.8	<u>59</u>			
		00:20	63.5						

- <u>Notification & Investigation of Exceedances</u>

#### **Investigation Summary**

(a) Statement of exceedance(s)

Construction noise level(s) measured at CM1, CM2 and CM3 exceed the construction noise (restricted hours, 2300 – 0700 on all days) limit level.

- (b) Cause of exceedance(s) / Remarks
  - According to our field observation, road traffic noise was identified as the dominant noise source. No noticeable construction noise was identified.
  - No major construction activity was observed in Lam Tin Interchange during the monitoring.

Part B - Conclusion: The exceedance of night-time noise limit level is considered to not related to the Project.

Part C - Recommendation: No further action is required.

ETL Signature: Than

Date: <u>5 July 2022</u>

### - Notification & Investigation of Exceedances

NOE No. 220715\_noise\_night-time\_(CM1, CM2) Exceedance Level: Limit

**Time of Measurement**: Refer to the table below

**Date of Noise Monitoring:** <u>15 July 2022</u>

#### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Construction Noise

Station	Location	Starting Time	Measured Level (L <sub>eq</sub> dB(A) 5min)	Average L <sub>eq</sub>	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	
		23:10	66.7		63.7		When one documented complaint is received.	55	
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	23:15	65.8	66.2		<u>63</u>			
		23:20	65.9						Limit
		23:40	65.0	64.8					LIIIIIt
CM2	Bik Lai House, Yau Lai Estate Phase 1, Yau Tong	23:45	65.4		60.8	<u>63</u>			
	1 hase 1, 1 au 10hg	23:50	64.0						

## Agreement No. CE 59/2015 (EP) Environmental Team for Tseung Kwan O – Lam Tin Tunnel

- Notification & Investigation of Exceedances

#### **Investigation Summary**

(a) Statement of exceedance(s)

Construction noise level(s) measured at CM1 and CM2 exceed the construction noise (restricted hours, 2300 – 0700 on all days) limit level.

- (b) Cause of exceedance(s) / Remarks
  - According to our field observation, road traffic noise was identified as the dominant noise source. No noticeable construction noise was identified.
  - According to the RE, minor works involving only small PMEs, such as concreting, were carried out during the complaint period under valid CNP.
  - No major construction activity was observed in Lam Tin Interchange during the monitoring.

Part B - Conclusion: The exceedance of night-time noise limit level is considered not related to the Project.\_

Part C – Recommendation: No further action is required.

man ETL Signature:

Date: 19 July 2022

- Notification of Exceedance

## Date of Water Quality Monitoring:

### <u>04 May 2022</u>

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.8	G1	17:29	6.0	6.9	2.1	2.3	<u>2.7</u>
Mid-Ebb	C2	surface	1.8	G2	17:17	6.0	6.9	2.1	2.3	<u>2.9</u>
Mid-Ebb	C2	surface	1.8	G3	17:39	6.0	6.9	2.1	2.3	<u>2.7</u>
Mid-Ebb	C2	surface	1.8	G4	17:54	6.0	6.9	2.1	2.3	<u>2.7</u>
Mid-Ebb	C2	surface	1.8	M2	17:12	6.2	7.4	2.1	2.3	<u>2.7</u>
Mid-Ebb	C2	surface	1.8	M3	17:46	6.2	7.4	2.1	2.3	<u>3.2</u>
Mid-Ebb	C2	surface	1.8	M4	17:04	6.2	7.4	2.1	2.3	2.3
Mid-Ebb	C2	surface	1.8	M5	18:05	6.2	7.4	2.1	2.3	<u>4.2</u>
Mid-Ebb	C2	bottom	3.1	G3	17:39	6.9	7.9	3.7	4.0	3.8
Mid-Ebb	C2	bottom	3.1	M3	17:46	6.9	7.9	3.7	4.0	<u>4.5</u>
Mid-Flood	C1	surface	3.4	G2	10:37	6.0	6.9	4.1	4.4	4.3
Mid-Flood	C1	bottom	2.3	M2	10:31	6.9	7.9	2.8	3.0	<u>4.4</u>
Mid-Flood	C1	bottom	2.3	M3	11:03	6.9	7.9	2.8	3.0	<u>4.5</u>
Mid-Flood	C1	bottom	2.3	M4	10:25	6.9	7.9	2.8	3.0	3.0

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

### <u>04 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.4	G3	17:39	1.7	1.8	1.8

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### Date of Water Quality Monitoring:

#### <u>06 May 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	C1	bottom	1.3	G1	10:33	6.9	7.9	1.6	1.7	<u>2.3</u>
Mid-Flood	C1	bottom	1.3	G2	10:25	6.9	7.9	1.6	1.7	<u>2.5</u>
Mid-Flood	C1	bottom	1.3	G3	10:38	6.9	7.9	1.6	1.7	<u>2.6</u>
Mid-Flood	C1	bottom	1.3	G4	10:46	6.9	7.9	1.6	1.7	<u>2.1</u>
Mid-Flood	C1	bottom	1.3	M1	10:30	6.9	7.9	1.6	1.7	<u>2.4</u>
Mid-Flood	C1	bottom	1.3	M2	10:20	6.9	7.9	1.6	1.7	<u>3.6</u>
Mid-Flood	C1	bottom	1.3	M3	10:42	6.9	7.9	1.6	1.7	<u>4.0</u>
Mid-Flood	C1	bottom	1.3	M4	10:15	6.9	7.9	1.6	1.7	<u>1.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

### <u>06 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	1.4	G1	10:33	1.6	1.8	<u>1.9</u>
Bottom	19.3	22.2	Mid-flood	C1	1.4	M2	10:20	1.6	1.8	1.8

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

## Date of Water Quality Monitoring:

### <u>11 May 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.3	G3	11:31	6.0	6.9	1.6	1.7	<u>2.2</u>
Mid-Ebb	C2	surface	1.3	M1	11:12	6.2	7.4	1.6	1.7	<u>1.8</u>
Mid-Ebb	C2	surface	1.3	M4	10:52	6.2	7.4	1.6	1.7	1.7
Mid-Flood	C1	bottom	2.4	M4	7:09	6.9	7.9	2.8	3.1	<u>3.6</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>11 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.1	G4	11:46	1.3	1.4	<u>2.0</u>
Bottom	19.3	22.2	Mid-Ebb	C2	1.1	M2	10:57	1.3	1.4	1.4
Bottom	19.3	22.2	Mid-Ebb	C2	1.1	M5	12:17	1.3	1.4	<u>2.4</u>
Bottom	19.3	22.2	Mid-flood	C1	1.5	M5	8:19	1.8	2.0	<u>2.4</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

## Date of Water Quality Monitoring:

<u>13 May 2022</u>

# Part A – Exceedance Summary Tables

### Table I: Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.3	G2	10:31	6.0	6.9	2.8	3.0	<u>3.2</u>
Mid-Ebb	C2	surface	2.3	G4	11:11	6.0	6.9	2.8	3.0	<u>3.8</u>
Mid-Ebb	C2	surface	2.3	M1	10:38	6.2	7.4	2.8	3.0	<u>3.6</u>
Mid-Ebb	C2	surface	2.3	M2	10:22	6.2	7.4	2.8	3.0	2.9
Mid-Ebb	C2	surface	2.3	M3	11:02	6.2	7.4	2.8	3.0	<u>4.2</u>
Mid-Ebb	C2	surface	2.3	M5	11:23	6.2	7.4	2.8	3.0	<u>4.2</u>
Mid-Flood	C1	surface	3.2	G2	13:43	6.0	6.9	3.8	4.2	4.0
Mid-Flood	C1	surface	3.2	G3	14:05	6.0	6.9	3.8	4.2	4.2
Mid-Flood	C1	surface	3.2	G4	14:17	6.0	6.9	3.8	4.2	<u>4.5</u>
Mid-Flood	C1	surface	3.2	M4	13:29	6.2	7.4	3.8	4.2	<u>4.4</u>
Mid-Flood	C1	bottom	2.2	G1	13:57	6.9	7.9	2.6	2.8	<u>4.8</u>
Mid-Flood	C1	bottom	2.2	G2	13:43	6.9	7.9	2.6	2.8	<u>3.1</u>
Mid-Flood	C1	bottom	2.2	G3	14:05	6.9	7.9	2.6	2.8	<u>3.3</u>
Mid-Flood	C1	bottom	2.2	G4	14:17	6.9	7.9	2.6	2.8	<u>2.9</u>
Mid-Flood	C1	bottom	2.2	M1	13:51	6.9	7.9	2.6	2.8	2.7
Mid-Flood	C1	bottom	2.2	M2	13:36	6.9	7.9	2.6	2.8	<u>4.6</u>
Mid-Flood	C1	bottom	2.2	M3	14:11	6.9	7.9	2.6	2.8	<u>4.4</u>
Mid-Flood	C1	bottom	2.2	M4	13:29	6.9	7.9	2.6	2.8	2.8

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>13 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	2.4	M5	11:23	2.9	3.1	<u>4.2</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

## Date of Water Quality Monitoring:

### <u>16 May 2022</u>

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.9	G3	15:45	6.0	6.9	3.4	3.7	<u>3.8</u>
Mid-Ebb	C2	surface	2.9	G4	15:55	6.0	6.9	3.4	3.7	3.6
Mid-Ebb	C2	bottom	2.3	G1	15:39	6.9	7.9	2.7	2.9	2.8
Mid-Ebb	C2	bottom	2.3	M3	15:50	6.9	7.9	2.7	2.9	2.9
Mid-Ebb	C2	bottom	2.3	M5	16:00	6.9	7.9	2.7	2.9	<u>3.3</u>
Mid-Flood	C1	surface	2.4	G1	9:44	6.0	6.9	2.8	3.1	<u>3.6</u>
Mid-Flood	C1	surface	2.4	G2	9:36	6.0	6.9	2.8	3.1	<u>4.2</u>
Mid-Flood	C1	surface	2.4	G3	9:47	6.0	6.9	2.8	3.1	<u>3.2</u>
Mid-Flood	C1	surface	2.4	G4	9:54	6.0	6.9	2.8	3.1	<u>3.7</u>
Mid-Flood	C1	surface	2.4	M1	9:40	6.2	7.4	2.8	3.1	2.9
Mid-Flood	C1	surface	2.4	M3	9:51	6.2	7.4	2.8	3.1	<u>3.9</u>
Mid-Flood	C1	surface	2.4	M5	10:01	6.2	7.4	2.8	3.1	<u>3.8</u>

Note: *Bold* means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>16 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.8	M3	15:50	2.1	2.3	<u>2.9</u>
Bottom	19.3	22.2	Mid-Ebb	C2	1.8	M5	16:00	2.1	2.3	<u>2.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

#### 18 May 2022

# Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.8	G1	13:20	6.0	6.9	3.3	3.6	<u>5.2</u>
Mid-Ebb	C2	surface	2.8	G2	13:05	6.0	6.9	3.3	3.6	<u>3.7</u>
Mid-Ebb	C2	surface	2.8	G4	13:43	6.0	6.9	3.3	3.6	<u>3.8</u>
Mid-Ebb	C2	surface	2.8	M1	13:12	6.2	7.4	3.3	3.6	<u>4.3</u>
Mid-Ebb	C2	bottom	3.7	G2	13:05	6.9	7.9	4.4	4.8	<u>5.3</u>
Mid-Ebb	C2	bottom	3.7	G4	13:43	6.9	7.9	4.4	4.8	4.7
Mid-Ebb	C2	bottom	3.7	M4	12:50	6.9	7.9	4.4	4.8	<u>5.0</u>
Mid-Ebb	C2	bottom	3.7	M5	13:56	6.9	7.9	4.4	4.8	<u>5.2</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic*) **Bold** with underline means Limit Level exceedance of Control (**Begular**) & Baseline

- Notification of Exceedance

## **Date of Water Quality Monitoring:**

#### 18 May 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	2.1	G1	13:20	2.5	2.7	<u>3.1</u>
Bottom	19.3	22.2	Mid-Ebb	C2	2.1	M1	13:12	2.5	2.7	2.6
Bottom	19.3	22.2	Mid-Ebb	C2	2.1	M2	12:57	2.5	2.7	<u>2.8</u>
Bottom	19.3	22.2	Mid-flood	C1	1.6	G1	9:23	1.9	2.0	<u>3.2</u>
Bottom	19.3	22.2	Mid-flood	C1	1.6	G2	9:06	1.9	2.0	<u>2.1</u>
Bottom	19.3	22.2	Mid-flood	C1	1.6	G4	9:46	1.9	2.0	<u>2.2</u>
Bottom	19.3	22.2	Mid-flood	C1	1.6	M1	9:14	1.9	2.0	2.0
Bottom	19.3	22.2	Mid-flood	C1	1.6	M2	8:58	1.9	2.0	<u>2.6</u>
Bottom	19.3	22.2	Mid-flood	C1	1.6	M4	8:49	1.9	2.0	<u>2.1</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

#### <u>20 May 2022</u>

Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	C1	surface	2.4	G3	11:22	6.0	6.9	2.8	3.1	3.1
Mid-Flood	C1	surface	2.4	M2	11:06	6.2	7.4	2.8	3.1	2.9
Mid-Flood	C1	surface	2.4	M3	11:26	6.2	7.4	2.8	3.1	3.0
Mid-Flood	C1	bottom	1.4	G2	11:10	6.9	7.9	1.6	1.8	<u>3.0</u>
Mid-Flood	C1	bottom	1.4	G3	11:22	6.9	7.9	1.6	1.8	<u>5.4</u>
Mid-Flood	C1	bottom	1.4	G4	11:31	6.9	7.9	1.6	1.8	<u>4.4</u>
Mid-Flood	C1	bottom	1.4	M1	11:14	6.9	7.9	1.6	1.8	<u>3.7</u>
Mid-Flood	C1	bottom	1.4	M2	11:06	6.9	7.9	1.6	1.8	<u>2.2</u>
Mid-Flood	C1	bottom	1.4	M5	11:39	6.9	7.9	1.6	1.8	<u>2.4</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

## Date of Water Quality Monitoring:

#### <u>20 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	1.4	M2	11:06	1.6	1.8	<u>2.3</u>
Bottom	19.3	22.2	Mid-flood	C1	1.4	M4	11:00	1.6	1.8	<u>2.4</u>
Bottom	19.3	22.2	Mid-flood	C1	1.4	M5	11:39	1.6	1.8	<u>2.1</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

## Date of Water Quality Monitoring:

### <u>23 May 2022</u>

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	C1	surface	1.5	G1	13:55	6.0	6.9	1.7	1.9	1.8
Mid-Flood	C1	surface	1.5	G2	13:37	6.0	6.9	1.7	1.9	<u>2.5</u>
Mid-Flood	C1	surface	1.5	G3	14:03	6.0	6.9	1.7	1.9	<u>2.6</u>
Mid-Flood	C1	surface	1.5	G4	14:18	6.0	6.9	1.7	1.9	1.9
Mid-Flood	C1	surface	1.5	M2	13:30	6.2	7.4	1.7	1.9	1.8
Mid-Flood	C1	surface	1.5	M3	14:10	6.2	7.4	1.7	1.9	<u>2.6</u>
Mid-Flood	C1	surface	1.5	M4	13:22	6.2	7.4	1.7	1.9	<u>2.7</u>
Mid-Flood	C1	bottom	1.8	G1	13:55	6.9	7.9	2.2	2.3	<u>3.1</u>
Mid-Flood	C1	bottom	1.8	M1	13:46	6.9	7.9	2.2	2.3	<u>3.1</u>
Mid-Flood	C1	bottom	1.8	M2	13:30	6.9	7.9	2.2	2.3	<u>3.4</u>
Mid-Flood	C1	bottom	1.8	M5	14:29	6.9	7.9	2.2	2.3	<u>2.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

## Date of Water Quality Monitoring:

<u>23 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	1.5	G2	13:37	1.8	2.0	<u>2.3</u>
Bottom	19.3	22.2	Mid-flood	C1	1.5	G4	14:18	1.8	2.0	<u>3.5</u>
Bottom	19.3	22.2	Mid-flood	C1	1.5	M2	13:30	1.8	2.0	<u>3.9</u>
Bottom	19.3	22.2	Mid-flood	C1	1.5	M3	14:10	1.8	2.0	1.9
Bottom	19.3	22.2	Mid-flood	C1	1.5	M4	13:22	1.8	2.0	2.0
Bottom	19.3	22.2	Mid-flood	C1	1.5	M5	14:29	1.8	2.0	<u>2.2</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

## Date of Water Quality Monitoring:

### <u>25 May 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.2	G1	9:58	6.0	6.9	2.6	2.8	<u>3.1</u>
Mid-Ebb	C2	surface	2.2	G2	9:42	6.0	6.9	2.6	2.8	<u>3.6</u>
Mid-Ebb	C2	surface	2.2	G3	10:07	6.0	6.9	2.6	2.8	2.7
Mid-Ebb	C2	surface	2.2	G4	10:23	6.0	6.9	2.6	2.8	<u>2.9</u>
Mid-Ebb	C2	surface	2.2	M5	10:33	6.2	7.4	2.6	2.8	2.7

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>25 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.6	M5	10:33	1.9	2.0	<u>3.0</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic )Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

## Date of Water Quality Monitoring:

#### <u>27 May 2022</u>

Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.8	G4	10:19	6.0	6.9	3.3	3.6	<u>4.3</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

## Date of Water Quality Monitoring:

<u>30 May 2022</u>

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.3	G1	13:46	6.0	6.9	1.6	1.7	<u>2.6</u>
Mid-Ebb	C2	surface	1.3	G3	13:53	6.0	6.9	1.6	1.7	<u>2.3</u>
Mid-Ebb	C2	surface	1.3	G4	14:11	6.0	6.9	1.6	1.7	<u>3.1</u>
Mid-Ebb	C2	surface	1.3	M1	13:37	6.2	7.4	1.6	1.7	<u>2.3</u>
Mid-Ebb	C2	surface	1.3	M2	13:22	6.2	7.4	1.6	1.7	<u>3.5</u>
Mid-Ebb	C2	surface	1.3	M3	14:02	6.2	7.4	1.6	1.7	<u>3.9</u>
Mid-Ebb	C2	surface	1.3	M4	13:14	6.2	7.4	1.6	1.7	<u>3.5</u>
Mid-Ebb	C2	surface	1.3	M5	14:22	6.2	7.4	1.6	1.7	<u>3.0</u>
Mid-Ebb	C2	bottom	2.3	M5	14:22	6.9	7.9	2.8	3.0	<u>4.0</u>
Mid-Flood	C1	bottom	1.7	G1	8:13	6.9	7.9	2.0	2.2	<u>3.1</u>
Mid-Flood	C1	bottom	1.7	G3	8:20	6.9	7.9	2.0	2.2	<u>2.6</u>
Mid-Flood	C1	bottom	1.7	M1	8:06	6.9	7.9	2.0	2.2	<u>3.2</u>
Mid-Flood	C1	bottom	1.7	M3	8:27	6.9	7.9	2.0	2.2	<u>2.3</u>
Mid-Flood	C1	bottom	1.7	M5	8:45	6.9	7.9	2.0	2.2	<u>3.0</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>30 May 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	3.3	G4	14:11	4.0	4.3	<u>4.5</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

01 June 2022

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	1.7	G1	13:35	6.9	7.9	2.0	2.1	<u>2.6</u>
Mid-Ebb	C2	bottom	1.7	G2	13:19	6.9	7.9	2.0	2.1	<u>2.6</u>
Mid-Ebb	C2	bottom	1.7	M2	13:11	6.9	7.9	2.0	2.1	<u>3.6</u>
Mid-Ebb	C2	bottom	1.7	M3	13:52	6.9	7.9	2.0	2.1	<u>2.6</u>
Mid-Ebb	C2	bottom	1.7	M4	13:02	6.9	7.9	2.0	2.1	<u>3.7</u>
Mid-Flood	C1	bottom	1.7	M1	8:45	6.9	7.9	2.0	2.1	<u>2.4</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

01 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	2.9	M2	13:11	3.5	3.7	<u>5.4</u>
Bottom	19.3	22.2	Mid-flood	C1	2.9	M2	8:30	3.5	3.8	<u>4.5</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

#### <u>06 June 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	C1	bottom	2.4	G1	11:37	6.9	7.9	2.8	3.1	<u>3.2</u>
Mid-Flood	C1	bottom	2.4	G2	11:26	6.9	7.9	2.8	3.1	2.9
Mid-Flood	C1	bottom	2.4	G4	11:46	6.9	7.9	2.8	3.1	<u>3.3</u>
Mid-Flood	C1	bottom	2.4	M4	11:20	6.9	7.9	2.8	3.1	<u>3.4</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

## **Date of Water Quality Monitoring:**

<u>06 June 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	0.3	G1	11:37	0.4	0.4	<u>1.5</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	G2	11:26	0.4	0.4	<u>2.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	G3	11:40	0.4	0.4	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	G4	11:46	0.4	0.4	<u>0.5</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	M1	11:34	0.4	0.4	<u>1.0</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	M2	11:22	0.4	0.4	<u>1.6</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	M3	11:42	0.4	0.4	<u>1.9</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	M4	11:20	0.4	0.4	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.3	M5	11:55	0.4	0.4	<u>2.4</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

10 June 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	2.4	G1	10:37	6.9	7.9	2.9	3.1	<u>3.5</u>
Mid-Ebb	C2	bottom	2.4	G2	10:27	6.9	7.9	2.9	3.1	<u>3.2</u>
Mid-Ebb	C2	bottom	2.4	G3	10:42	6.9	7.9	2.9	3.1	<u>3.2</u>
Mid-Ebb	C2	bottom	2.4	G4	10:50	6.9	7.9	2.9	3.1	<u>3.2</u>
Mid-Flood	C1	surface	1.8	G2	14:33	6.0	6.9	2.1	2.3	<u>3.9</u>
Mid-Flood	C1	surface	1.8	G3	14:46	6.0	6.9	2.1	2.3	<u>2.4</u>
Mid-Flood	C1	surface	1.8	G4	14:54	6.0	6.9	2.1	2.3	2.2
Mid-Flood	C1	surface	1.8	M1	14:37	6.2	7.4	2.1	2.3	<u>3.9</u>
Mid-Flood	C1	surface	1.8	M2	14:29	6.2	7.4	2.1	2.3	<u>3.4</u>
Mid-Flood	C1	surface	1.8	M3	14:50	6.2	7.4	2.1	2.3	<u>3.8</u>
Mid-Flood	C1	surface	1.8	M4	14:25	6.2	7.4	2.1	2.3	<u>2.6</u>
Mid-Flood	C1	surface	1.8	M5	15:03	6.2	7.4	2.1	2.3	<u>3.8</u>
Mid-Flood	C1	bottom	3.1	M4	14:25	6.9	7.9	3.7	4.0	3.8

Note:

**Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

10 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	0.5	G2	10:27	0.6	0.6	<u>0.9</u>
Bottom	19.3	22.2	Mid-Ebb	C2	0.5	M3	10:46	0.6	0.6	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	1.2	M1	14:37	1.4	1.5	<u>1.9</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

#### - Notification of Exceedance

### Date of Water Quality Monitoring:

#### 13 June 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.4	G4	13:11	6.0	6.9	2.8	3.1	<u>3.9</u>
Mid-Ebb	C2	surface	2.4	M1	12:39	6.2	7.4	2.8	3.1	<u>3.4</u>
Mid-Ebb	C2	surface	2.4	M3	13:04	6.2	7.4	2.8	3.1	<u>4.2</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

# Date of Water Quality Monitoring:

13 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	0.7	M2	12:23	0.8	0.9	<u>1.2</u>
Bottom	19.3	22.2	Mid-Ebb	C2	0.7	M5	13:22	0.8	0.9	<u>1.3</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

## **Date of Water Quality Monitoring:**

15 June 2022

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	2.4	G1	13:22	6.9	7.9	2.8	3.1	<u>4.3</u>
Mid-Ebb	C2	bottom	2.4	G3	13:28	6.9	7.9	2.8	3.1	2.9
Mid-Ebb	C2	bottom	2.4	M4	13:03	6.9	7.9	2.8	3.1	2.9
Mid-Flood	C1	surface	3.0	G4	9:49	6.0	6.9	3.6	3.9	3.9
Mid-Flood	C1	surface	3.0	M2	9:21	6.2	7.4	3.6	3.9	<u>4.1</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

## **Date of Water Quality Monitoring:**

15 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.5	G2	13:13	1.8	2.0	<u>2.4</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	G1	9:35	0.4	0.5	<u>0.9</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	G2	9:26	0.4	0.5	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	G3	9:39	0.4	0.5	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	G4	9:49	0.4	0.5	0.5
Bottom	19.3	22.2	Mid-flood	C1	0.4	M1	9:31	0.4	0.5	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	M2	9:21	0.4	0.5	<u>0.8</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	M3	9:44	0.4	0.5	<u>0.9</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	M4	9:17	0.4	0.5	<u>1.1</u>
Bottom	19.3	22.2	Mid-flood	C1	0.4	M5	9:57	0.4	0.5	<u>0.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

17 June 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.8	G1	14:41	6.0	6.9	2.1	2.3	<u>3.2</u>
Mid-Ebb	C2	surface	1.8	G2	14:33	6.0	6.9	2.1	2.3	<u>3.1</u>
Mid-Ebb	C2	surface	1.8	G4	14:54	6.0	6.9	2.1	2.3	<u>2.7</u>
Mid-Ebb	C2	surface	1.8	M1	14:37	6.2	7.4	2.1	2.3	<u>3.1</u>
Mid-Ebb	C2	surface	1.8	M3	14:50	6.2	7.4	2.1	2.3	2.2
Mid-Ebb	C2	surface	1.8	M5	15:02	6.2	7.4	2.1	2.3	2.3
Mid-Flood	C1	surface	1.5	G2	9:51	6.0	6.9	1.8	2.0	<u>2.1</u>
Mid-Flood	C1	surface	1.5	M1	9:56	6.2	7.4	1.8	2.0	<u>2.5</u>
Mid-Flood	C1	surface	1.5	M2	9:45	6.2	7.4	1.8	2.0	<u>3.0</u>
Mid-Flood	C1	surface	1.5	M3	10:10	6.2	7.4	1.8	2.0	<u>2.2</u>
Mid-Flood	C1	surface	1.5	M5	10:24	6.2	7.4	1.8	2.0	<u>3.0</u>
Mid-Flood	C1	bottom	2.4	M3	10:10	6.9	7.9	2.9	3.1	<u>3.2</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

17 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	1.1	M3	14:50	1.3	1.4	<u>1.7</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic )Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

<u>20 June 2022</u>

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Flood	C1	surface	2.3	G1	11:52	6.0	6.9	2.7	2.9	<u>4.0</u>
Mid-Flood	C1	surface	2.3	G3	11:55	6.0	6.9	2.7	2.9	<u>4.2</u>
Mid-Flood	C1	surface	2.3	G4	12:01	6.0	6.9	2.7	2.9	<u>3.6</u>
Mid-Flood	C1	surface	2.3	M1	11:49	6.2	7.4	2.7	2.9	<u>4.6</u>
Mid-Flood	C1	surface	2.3	M2	11:41	6.2	7.4	2.7	2.9	<u>3.6</u>
Mid-Flood	C1	surface	2.3	M4	11:37	6.2	7.4	2.7	2.9	<u>3.8</u>
Mid-Flood	C1	surface	2.3	M5	12:10	6.2	7.4	2.7	2.9	2.8

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

22 June 2022

## Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.4	G1	8:52	6.0	6.9	2.9	3.1	3.1
Mid-Ebb	C2	surface	2.4	G4	9:15	6.0	6.9	2.9	3.1	<u>3.4</u>
Mid-Ebb	C2	surface	2.4	M2	8:28	6.2	7.4	2.9	3.1	<u>4.5</u>
Mid-Ebb	C2	surface	2.4	M3	9:07	6.2	7.4	2.9	3.1	<u>5.0</u>
Mid-Ebb	C2	surface	2.4	M5	9:24	6.2	7.4	2.9	3.1	<u>3.8</u>
Mid-Ebb	C2	bottom	3.8	M5	9:24	6.9	7.9	4.6	4.9	<u>5.2</u>
Mid-Flood	C1	bottom	2.5	G1	13:46	6.9	7.9	3.0	3.3	<u>4.6</u>
Mid-Flood	C1	bottom	2.5	G4	14:11	6.9	7.9	3.0	3.3	<u>3.9</u>
Mid-Flood	C1	bottom	2.5	M2	13:21	6.9	7.9	3.0	3.3	3.3
Mid-Flood	C1	bottom	2.5	M5	14:23	6.9	7.9	3.0	3.3	<u>3.5</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

22 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	2.0	G2	8:37	2.4	2.6	2.5
Bottom	19.3	22.2	Mid-Ebb	C2	2.0	M2	8:28	2.4	2.6	<u>3.6</u>
Bottom	19.3	22.2	Mid-Ebb	C2	2.0	M5	9:24	2.4	2.6	<u>4.2</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

### 24 June 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	2.5	G1	10:41	6.9	7.9	3.0	3.3	3.2
Mid-Ebb	C2	bottom	2.5	G2	10:31	6.9	7.9	3.0	3.3	3.2
Mid-Ebb	C2	bottom	2.5	M1	10:36	6.9	7.9	3.0	3.3	<u>3.4</u>
Mid-Ebb	C2	bottom	2.5	M4	10:20	6.9	7.9	3.0	3.3	<u>4.1</u>
Mid-Flood	C1	surface	3.5	G4	16:42	6.0	6.9	4.1	4.5	4.2

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

### Date of Water Quality Monitoring:

27 June 2022

Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	3.6	G4	12:36	6.0	6.9	4.3	4.7	<u>4.8</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

29 June 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.9	G1	13:37	6.0	6.9	2.2	2.4	<u>3.0</u>
Mid-Ebb	C2	surface	1.9	G3	13:45	6.0	6.9	2.2	2.4	<u>3.1</u>
Mid-Ebb	C2	surface	1.9	G4	14:00	6.0	6.9	2.2	2.4	2.4
Mid-Ebb	C2	surface	1.9	M2	13:14	6.2	7.4	2.2	2.4	2.3
Mid-Ebb	C2	surface	1.9	M4	13:06	6.2	7.4	2.2	2.4	<u>2.5</u>
Mid-Ebb	C2	surface	1.9	M5	14:12	6.2	7.4	2.2	2.4	<u>2.9</u>
Mid-Ebb	C2	bottom	2.6	M1	13:29	6.9	7.9	3.1	3.4	3.2

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

29 June 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-Ebb	C2	2.4	M3	13:52	2.9	3.1	3.0

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic )Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

# **Date of Water Quality Monitoring:**

### <u>04 July 2022</u>

# Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.1	G2	14:29	6.0	6.9	1.3	1.4	<u>1.7</u>
Mid-Ebb	C2	surface	1.1	G4	14:48	6.0	6.9	1.3	1.4	1.4
Mid-Ebb	C2	surface	1.1	M1	14:33	6.2	7.4	1.3	1.4	<u>1.5</u>
Mid-Ebb	C2	surface	1.1	M2	14:24	6.2	7.4	1.3	1.4	<u>2.1</u>
Mid-Ebb	C2	surface	1.1	M3	14:44	6.2	7.4	1.3	1.4	<u>2.3</u>
Mid-Ebb	C2	surface	1.1	M4	14:19	6.2	7.4	1.3	1.4	<u>2.9</u>
Mid-Ebb	C2	surface	1.1	M5	14:56	6.2	7.4	1.3	1.4	<u>1.8</u>
Mid-Ebb	C2	bottom	1.8	G3	14:40	6.9	7.9	2.2	2.3	2.3
Mid-Ebb	C2	bottom	1.8	G4	14:48	6.9	7.9	2.2	2.3	2.3
Mid-Ebb	C2	bottom	1.8	M1	14:33	6.9	7.9	2.2	2.3	<u>2.8</u>
Mid-Ebb	C2	bottom	1.8	M2	14:24	6.9	7.9	2.2	2.3	<u>2.8</u>
Mid-Ebb	C2	bottom	1.8	M5	14:56	6.9	7.9	2.2	2.3	<u>3.0</u>
Mid-Flood	C1	bottom	2.8	G4	10:04	6.9	7.9	3.3	3.6	3.4

Note:

**Bold** means Action Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

### 06 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.3	G3	15:44	6.0	6.9	1.5	1.6	<u>2.2</u>
Mid-Ebb	C2	surface	1.3	G4	15:53	6.0	6.9	1.5	1.6	<u>1.7</u>
Mid-Ebb	C2	surface	1.3	M1	15:36	6.2	7.4	1.5	1.6	1.6
Mid-Ebb	C2	surface	1.3	M3	15:49	6.2	7.4	1.5	1.6	<u>1.8</u>
Mid-Ebb	C2	surface	1.3	M4	15:24	6.2	7.4	1.5	1.6	1.6
Mid-Flood	C1	bottom	1.7	G1	10:32	6.9	7.9	2.0	2.2	<u>2.9</u>
Mid-Flood	C1	bottom	1.7	G3	10:36	6.9	7.9	2.0	2.2	<u>2.5</u>
Mid-Flood	C1	bottom	1.7	M1	10:28	6.9	7.9	2.0	2.2	<u>2.3</u>
Mid-Flood	C1	bottom	1.7	M4	10:16	6.9	7.9	2.0	2.2	<u>2.3</u>
Mid-Flood	C1	bottom	1.7	M5	10:53	6.9	7.9	2.0	2.2	<u>2.7</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### **Date of Water Quality Monitoring:**

### 09 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.5	G2	8:52	6.0	6.9	1.7	1.9	<u>2.8</u>
Mid-Ebb	C2	surface	1.5	G3	9:05	6.0	6.9	1.7	1.9	<u>2.6</u>
Mid-Ebb	C2	surface	1.5	M1	8:57	6.2	7.4	1.7	1.9	1.8
Mid-Ebb	C2	surface	1.5	M4	8:44	6.2	7.4	1.7	1.9	<u>3.3</u>
Mid-Ebb	C2	surface	1.5	M5	9:20	6.2	7.4	1.7	1.9	<u>2.6</u>
Mid-Flood	C1	surface	2.2	M5	14:26	6.2	7.4	2.6	2.9	2.9
Mid-Flood	C1	bottom	1.2	G2	13:57	6.9	7.9	1.4	1.5	<u>1.8</u>
Mid-Flood	C1	bottom	1.2	M2	13:53	6.9	7.9	1.4	1.5	<u>2.7</u>
Mid-Flood	C1	bottom	1.2	M3	14:13	6.9	7.9	1.4	1.5	1.5
Mid-Flood	C1	bottom	1.2	M4	13:49	6.9	7.9	1.4	1.5	<u>2.6</u>
Mid-Flood	C1	bottom	1.2	M5	14:26	6.9	7.9	1.4	1.5	<u>1.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

# Date of Water Quality Monitoring:

### 11 July 2022

# Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	3.2	G2	9:30	6.0	6.9	3.8	4.2	6.4
Mid-Ebb	C2	surface	3.2	G3	9:38	6.0	6.9	3.8	4.2	<u>5.0</u>
Mid-Ebb	C2	surface	3.2	G4	9:43	6.0	6.9	3.8	4.2	<u>4.8</u>
Mid-Ebb	C2	surface	3.2	M3	9:40	6.2	7.4	3.8	4.2	<u>4.6</u>
Mid-Ebb	C2	surface	3.2	M4	9:24	6.2	7.4	3.8	4.2	<u>4.4</u>
Mid-Ebb	C2	surface	3.2	M5	9:50	6.2	7.4	3.8	4.2	4.0
Mid-Flood	C1	surface	5.8	G2	17:34	6.0	6.9	6.9	7.5	6.2
Mid-Flood	C1	surface	5.8	G3	17:42	6.0	6.9	6.9	7.5	6.9
Mid-Flood	C1	bottom	4.4	G1	17:39	6.9	7.9	5.2	5.7	<u>6.7</u>
Mid-Flood	C1	bottom	4.4	G3	17:42	6.9	7.9	5.2	5.7	5.4

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>11 July 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	3.7	M2	17:31	4.4	4.8	4.6

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic)Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

# Date of Water Quality Monitoring:

13 July 2022

# Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	1.7	G1	11:49	6.0	6.9	2.0	2.2	<u>4.8</u>
Mid-Ebb	C2	surface	1.7	G2	11:38	6.0	6.9	2.0	2.2	<u>2.4</u>
Mid-Ebb	C2	surface	1.7	G3	11:53	6.0	6.9	2.0	2.2	<u>2.3</u>
Mid-Ebb	C2	surface	1.7	G4	12:01	6.0	6.9	2.0	2.2	2.2
Mid-Ebb	C2	surface	1.7	M1	11:43	6.2	7.4	2.0	2.2	<u>2.4</u>
Mid-Ebb	C2	surface	1.7	M2	11:23	6.2	7.4	2.0	2.2	<u>2.4</u>
Mid-Ebb	C2	surface	1.7	M3	11:56	6.2	7.4	2.0	2.2	<u>2.5</u>
Mid-Ebb	C2	surface	1.7	M4	11:20	6.2	7.4	2.0	2.2	2.2
Mid-Ebb	C2	surface	1.7	M5	12:09	6.2	7.4	2.0	2.2	<u>2.9</u>
Mid-Ebb	C2	bottom	2.7	G2	11:38	6.9	7.9	3.2	3.5	<u>3.6</u>
Mid-Ebb	C2	bottom	2.7	G3	11:53	6.9	7.9	3.2	3.5	3.5
Mid-Ebb	C2	bottom	2.7	M1	11:43	6.9	7.9	3.2	3.5	<u>3.9</u>
Mid-Ebb	C2	bottom	2.7	M2	11:23	6.9	7.9	3.2	3.5	<u>3.6</u>
Mid-Ebb	C2	bottom	2.7	M3	11:56	6.9	7.9	3.2	3.5	<u>3.7</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### Date of Water Quality Monitoring:

### 15 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.5	G2	13:34	6.0	6.9	3.0	3.3	3.2
Mid-Ebb	C2	surface	2.5	G4	13:50	6.0	6.9	3.0	3.3	<u>4.4</u>
Mid-Ebb	C2	surface	2.5	M2	13:30	6.2	7.4	3.0	3.3	<u>3.7</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

### Date of Water Quality Monitoring:

### 18 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	3.0	G1	14:58	6.9	7.9	3.5	3.8	<u>4.5</u>
Mid-Ebb	C2	bottom	3.0	M5	15:14	6.9	7.9	3.5	3.8	<u>4.7</u>
Mid-Flood	C1	surface	3.9	M2	10:27	6.2	7.4	4.6	5.0	4.7
Mid-Flood	C1	bottom	2.6	G2	10:32	6.9	7.9	3.1	3.3	<u>4.3</u>
Mid-Flood	C1	bottom	2.6	G3	10:43	6.9	7.9	3.1	3.3	<u>3.4</u>
Mid-Flood	C1	bottom	2.6	G4	10:50	6.9	7.9	3.1	3.3	3.2
Mid-Flood	C1	bottom	2.6	M1	10:36	6.9	7.9	3.1	3.3	<u>4.2</u>
Mid-Flood	C1	bottom	2.6	M4	10:22	6.9	7.9	3.1	3.3	3.3

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### Date of Water Quality Monitoring:

### <u>20 July 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	2.6	G1	15:28	6.0	6.9	3.1	3.4	<u>4.5</u>
Mid-Ebb	C2	surface	2.6	G2	15:20	6.0	6.9	3.1	3.4	<u>3.7</u>
Mid-Ebb	C2	surface	2.6	G3	15:31	6.0	6.9	3.1	3.4	<u>3.6</u>
Mid-Ebb	C2	surface	2.6	G4	15:37	6.0	6.9	3.1	3.4	<u>4.0</u>
Mid-Ebb	C2	surface	2.6	M2	15:17	6.2	7.4	3.1	3.4	<u>3.5</u>
Mid-Ebb	C2	surface	2.6	M4	15:13	6.2	7.4	3.1	3.4	<u>3.6</u>
Mid-Ebb	C2	surface	2.6	M5	15:46	6.2	7.4	3.1	3.4	<u>3.7</u>
Mid-Flood	C1	surface	3.4	G4	12:14	6.0	6.9	4.1	4.4	4.3
Mid-Flood	C1	surface	3.4	M2	11:49	6.2	7.4	4.1	4.4	<u>4.8</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

# Date of Water Quality Monitoring:

<u>20 July 2022</u>

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	4.7	M2	11:49	5.6	6.1	<u>7.4</u>

Note:Bold means Action Level exceedance of Control (Regular) & Baseline (Italic )Bold with underlinemeans Limit Level exceedance of Control (Regular) & Baseline (Italic)

- Notification of Exceedance

### Date of Water Quality Monitoring:

### 22 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	3.2	G1	9:42	6.9	7.9	3.8	4.2	<u>4.4</u>
Mid-Ebb	C2	bottom	3.2	M1	9:38	6.9	7.9	3.8	4.2	4.1
Mid-Ebb	C2	bottom	3.2	M2	9:31	6.9	7.9	3.8	4.2	3.9
Mid-Ebb	C2	bottom	3.2	M4	9:24	6.9	7.9	3.8	4.2	<u>4.9</u>
Mid-Flood	C1	surface	3.3	G1	14:21	6.0	6.9	4.0	4.3	4.2
Mid-Flood	C1	surface	3.3	G3	14:24	6.0	6.9	4.0	4.3	<u>4.8</u>
Mid-Flood	C1	bottom	4.0	M4	14:05	6.9	7.9	4.7	5.1	4.8

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

# Date of Water Quality Monitoring:

22 July 2022

Part A – Exceedance Summary Tables

 Table II:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Depth	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	Tide	Control Station(s)	Measured Value at Control Station (NTU)	Station(s)	Time (hrs)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Bottom	19.3	22.2	Mid-flood	C1	2.6	G2	14:13	3.1	3.4	<u>3.6</u>
Bottom	19.3	22.2	Mid-flood	C1	2.6	M2	14:09	3.1	3.4	3.3

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### Date of Water Quality Monitoring:

### <u>25 July 2022</u>

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	surface	3.6	G2	10:51	6.0	6.9	4.3	4.7	4.4
Mid-Ebb	C2	surface	3.6	M1	10:56	6.2	7.4	4.3	4.7	<u>4.9</u>
Mid-Ebb	C2	surface	3.6	M5	11:13	6.2	7.4	4.3	4.7	4.7
Mid-Ebb	C2	bottom	3.8	M3	11:05	6.9	7.9	4.5	4.9	4.6

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (*Italic* )

- Notification of Exceedance

### Date of Water Quality Monitoring:

### 29 July 2022

### Part A – Exceedance Summary Tables

 Table I:
 Parameter(s) – Dissolved Oxygen (DO) / Turbidity (TURB) / Suspended Solids (SS)

Tide	Control Station(s)	Depth	Measured Value at Control Station (mg/L)	Station(s)	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
Mid-Ebb	C2	bottom	2.3	G1	11:37	6.9	7.9	2.8	3.0	3.0
Mid-Ebb	C2	bottom	2.3	G2	11:27	6.9	7.9	2.8	3.0	2.9
Mid-Ebb	C2	bottom	2.3	M4	11:16	6.9	7.9	2.8	3.0	<u>3.3</u>
Mid-Ebb	C2	bottom	2.3	M5	11:58	6.9	7.9	2.8	3.0	<u>3.1</u>

Note: **Bold** means Action Level exceedance of Control (**Regular**) & Baseline (**Italic** )

### - Investigation Report of Environmental Quality Limit Exceedances

### Part A\_Details of Investigation

For the reporting month, exceedances for suspended solids and turbidity have been recorded continuously at various monitoring stations. During the site inspection, the water outside the site boundary seemed to be clear and clean (Photos 1 to 3).

During regular water quality monitoring, the sea appears to be clear in general (Photo 4 to 6). No obvious muddy water was observed during the monitoring.

Sediment tanks were free from silt and sediments and the drainage system remained well-maintained. No sand plumes were observed during the site inspection.

No direct evidence that the recent exceedances were due to the ongoing reclamation activities of the Project. Therefore, no additional marine water quality monitoring is required.

- Investigation Report of Environmental Quality Limit Exceedances

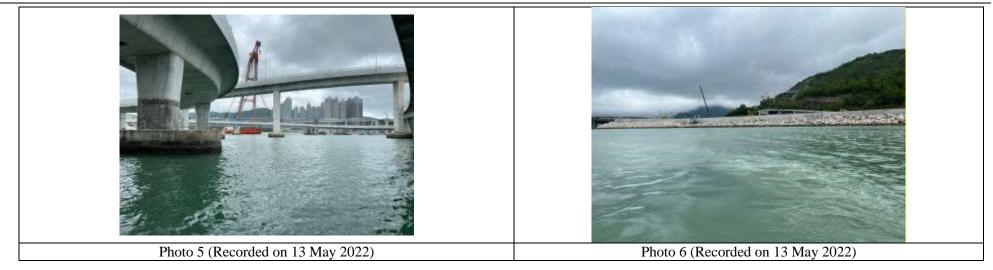
Part B\_Photo Record



Contract No. CE 59/2015 (EP)

Environmental Team for Tseung Kwan O – Lam Tin Tunnel Design and Construction

- Investigation Report of Environmental Quality Limit Exceedances



### Part C – Recommendations

Heavy downpour had already occurred in June 2022. The Contractors are reminded to carry out measures such as clearing the drainage after rain and ensuring proper embankment had been placed around the site to prevent accidental discharge of muddy water.

Dive inspection shall be conducted regularly to ensure the condition of the silt curtain. Good site practices such as the provision of perimeter cut-off drain to direct off-site water, regular removal of silt and sediment from sediment tanks, and covering open stockpiles shall be conducted as far as possible. In addition, the drainage system shall be check and maintain after heavy downpours to ensure their capacity on handling future potential discharge from the site. For precautionary measures, it is recommended that chemicals shall be placed away from the seafront area to prevent accidental runoff.

Reviewed by:

(Environmental Team Leader:(Dr. HF Chan)

Date: 13th June 2022

### - Investigation Report of Environmental Quality Limit Exceedances

### Part A\_Details of Investigation

For the reporting month, exceedances for suspended solids and turbidity have been recorded continuously at various monitoring stations. During the site inspection, the water outside the site boundary seemed to be clear and clean (Photos 1 to 2).

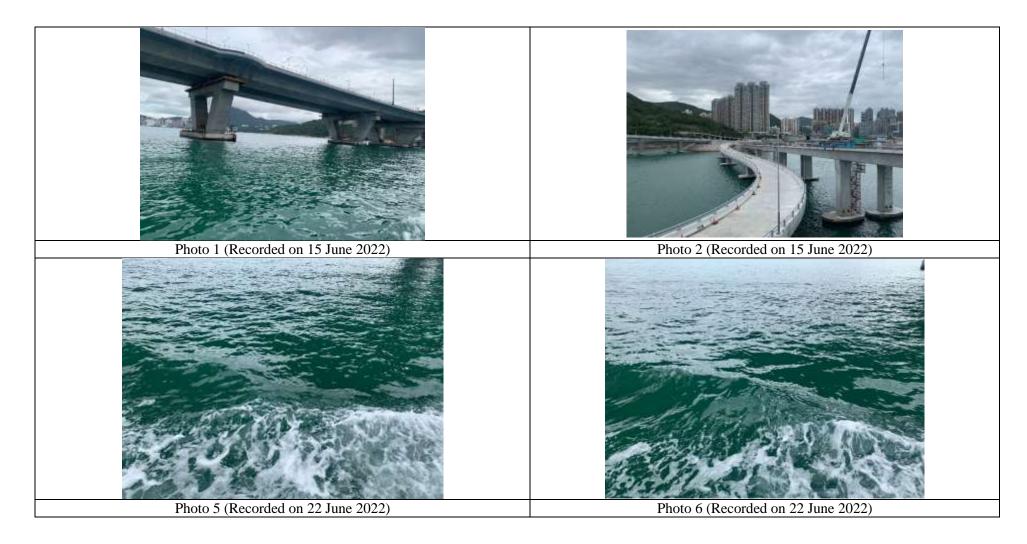
During regular water quality monitoring, the sea appears to be clear in general (Photo 3 to 4). No obvious muddy water was observed during the monitoring.

Sediment tanks were free from silt and sediments and the drainage system remained well-maintained. No sand plumes were observed during the site inspection.

No direct evidence that the recent exceedances were due to the ongoing reclamation activities of the Project. Therefore, no additional marine water quality monitoring is required.

### - Investigation Report of Environmental Quality Limit Exceedances

### Part B\_Photo Record



- Investigation Report of Environmental Quality Limit Exceedances

### Part C – Recommendations

Since it is anticipated to have typhoons in the coming months, the Contractors are reminded to carry out precautionary measures such as clearing drainage system to ensure the adequate capacity of drainage and ensuring proper embankment had been placed around the site to prevent accidental discharge of muddy water.

Dive inspection shall be conducted regularly to ensure the condition of the silt curtain. Good site practices such as the provision of perimeter cut-off drain to direct off-site water, regular removal of silt and sediment from sediment tanks, and covering open stockpiles shall be conducted as far as possible. Chemicals shall be placed away from the seafront area to prevent accidental leakage.

Reviewed by:

(Environmental Team Leader:(Dr. HF Chan)

Date: 7<sup>th</sup> July 2022

### - Investigation Report of Environmental Quality Limit Exceedances

### Part A\_Details of Investigation

For the reporting month, exceedances for suspended solids and turbidity have been recorded continuously at various monitoring stations. During the site inspection, the water outside the site boundary seemed to be clear and clean (Photos 1 to 3).

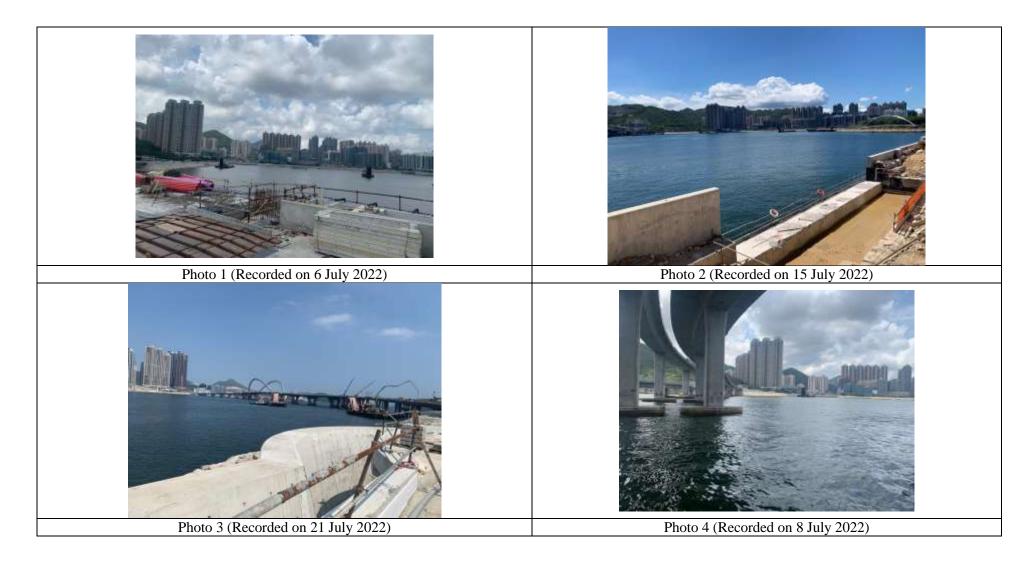
During regular water quality monitoring, the sea appears to be clear in general (Photo 4). No obvious muddy water was observed during the monitoring.

Sediment tanks were free from silt and sediments and the drainage system remained well-maintained. No sand plumes were observed during the site inspection.

No direct evidence that the recent exceedances were due to the ongoing reclamation activities of the Project. Therefore, no additional marine water quality monitoring is required.

- Investigation Report of Environmental Quality Limit Exceedances

Part B\_Photo Record



- Investigation Report of Environmental Quality Limit Exceedances

### Part C – Recommendations

Since it is anticipated to have typhoons and downpours in the coming months, the Contractors are reminded to carry out precautionary measures such as clearing drainage system to ensure the adequate capacity of drainage and ensuring proper embankment had been placed around the site to prevent accidental discharge of muddy water.

Dive inspection shall be conducted regularly to ensure the condition of the silt curtain. Good site practices such as the provision of perimeter cut-off drain to direct off-site water, regular removal of silt and sediment from sediment tanks, and covering open stockpiles shall be conducted as far as possible. Chemicals shall be placed away from the seafront area to prevent accidental leakage.

Reviewed by:

(Environmental Team Leader:(Dr. HF Chan)

Date: 5<sup>th</sup> August 2022

APPENDIX L SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFICATION OF SUCCESSFUL PROSECUTION

# Table L1 - Cumulative Complaint Log for Tseung Kwan O - Lam Tin Tunnel

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
618	21-Jul-22	21-Jul-22 / Junk Bay	Non-specific	Water	Suspected water pollution at Junk Bay (July 2022)	Ν	The complaint is considered non-project-related as the phenomenon is due to the algae blooming in Hong Kong waters during summer monsoon season.	Closed
617	13-Jul-22	10-Jul-22 / Non-specific	Resident of Yau Lai Estate	Noise	Construction Noise Nuisance during Nighttime (July 2022)	Y	The complaint is considered non-project-related as no construction works was undergoing uring the time of complaint. The details shall be referred to CIR-N175.	Closed
616	12-Jul-22	12-Jul-22 / Portion IX	Resident of Ocean Shores	Noise	Construction Noise from a Yellow Excavator	Y	The complaint is considered as project-related. The Contractor had conducted maintanance on the excavator after receiving the complaint. The detials shall be referred to CIR-N173.	Closed
615	07-Jul-22	9-June-22 / Junk Bay	Anonymous	Water	Suspected Muddy Water Discharge near Ocean Shores (Jun 2022)	Ν	The complaint is considered as non-project related. There was no direct evidence showing the muddy water was produced and discharged by contracts under the Project. The details shall be referred to the CIR-W20.	Closed
614	13-May-22	12-May-2022 / Portion III & IVC	Resident of Yau Lai Estate	Noise	Construction noise during restricted hours near Yau Lai Estate	Y	The complaint is believed to be project-related as construction works had been carried out at the public holidays. The Contractor had followed the instruction of the approve CNP. The details shall be referred to CIR-N174.	Closed
613	10-Jun-22	9-Jun-22 / Portion IX	Resident of Ocean Shores	Noise	Construction Noise from a Yellow Excavator	Y	See Complaint #612	Closed
612	8-Jun-22	4-Jun-22 / Portion IX	Resident of Ocean Shores	Noise	Construction Noise from a Yellow Excavator	Y	The complaints are believed to be project-related as there is a yellow excavator working on-site during the time of the complaint. The details shall be referred to CIR-N173.	Closed
611	30-May-22	9-May-2022 / Portion IX	Anonymous	Noise	Construction Noise during Holiday (C2)	Y	The contracts located near Tseung Kwan O Bay Area were investigated. Construction works had been conducted for NE2015/02. However, the Contractor of NE2015/02 held a valid CNP and no non-compliance was recorded. No conclusion has been made as not all information had been collected. The details shall be referred to CIR-N172.	Closed
610	23-May-22	30-Apr-2022 / Non- specific	Anonymous	Noise	Construction Noise Nuisance at Night time April 2022 (C1)	Y	The complaint is considered non-project-related as no construction is undergoing during the time of the complaint. The details shall be referred to CIR-N171.	Closed
609	23-May-22	Apr & May-22 / Non- specific	Resident of Yau Lai Estate	Air & Noise	Deteriation of Indoor Air Quality and Noise Nuisance	Y	The complaint is believed to be project-related as construction works had been conducted during the time of the complaint. No non-compliance was recorded for this particular event. However, 1 Limit level exceedance of daytime construction noise was recorded at AM1 on 10 May 2022, while no limit level exceedance of dust nuisance was recorded between April 2022 and May 2022. The details shall be referred to CIR-C41.	Closed
608	12-May-22	2-May-22 / Portion I of NE2017/07	Anonymous	Noise	Construction Noise during Holiday (CBL-C1)	Y	The complaint is considered project-related as construction is udergoing during the time of the complaint. However, the contractor held a valid CNP and no non-compliance was recorded for this particular event. The details shall be referred to CIR-N171.	Closed
607	11-May-22	2-May-22 / Cha Kwo Ling Road	Anonymous	Noise	Construction Noise Nuisance at May 2022 (C1)	Y	See Complaint #597	Closed
606	5-May-22	29-Apr-22 / C3	Anonymous	Noise	Construction Noise Nuisance in Apr 2022 (C3)	Ν	The complaint is considerd as project-related. The braking works had completed at the concerned location. The details can be referred to CIR-N170	Closed
605	4-May-22	4-May-22 / Portion III	Anonymous	Noise	Construction Noise Nuisance at May 2022 (C1)	Y	See Complaint #597	Closed
604	3-May-22	2-May-22 / Portion III	Resident of Yau Lai Estate	Noise	Construction Noise Nuisance at May 2022 (C1)	Y	See Complaint #597	Closed
603	29-Apr-22	29-Apr-22 / Portion III	Resident of Yau Lai Estate	Air & Noise	Deteriation of Indoor Air Quality and Noise Nuisance	Y	See Complaint #597	Closed
602	30-Apr-22	17-Mar-22 & 15-Apr-22 / Junk Bay	Anonymous	Noise	Construction noise at night-time during a holiday	Y	The complaint is considered non-project-related as no works invovling barge were conducted during the time of the complaint. The details shall be referred to CIR-N168.	Closed
601	25-Apr-22	24-Apr-22 / Portion IX	Anonymous	Noise	Construction noise nuisance during Easter holiday	Y	See Complaint #600	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
600	25-Apr-22	16-Apr-22 / Portion IX	Anonymous	Noise	Construction noise nuisance during Easter holiday	Y	The complaint is considered project-related as construction was undergoing during the time of complaint. The Contractor held a valid CNP and no non-complaince was found. The details can be referred to CIR-N167.	Closed
599	26-Apr-22	25-Apr-22 / Portion III and IVC	Resident of Yau Lai Estate	Noise	Construction Noise Nuisance on Weekaday during daytime (Lam Tin side)	Y	See Complaint #597	Closed
598	19-Apr-22	10-Apr-22 / Marine Works Area	Anonymous	Noise	Construction Noise Nuisance from Marine Works Area	Y	The complaint is considered project-related as construction was undergoing during the time of complaint. The Contractor held a valid CNP and no non-complaince was found. The details can be referred to CIR-N166.	Closed
597	11-Apr-22	11-Apr-22 / Portion III and IVC	Resident of Yau Lai Estate	Noise	Construction Noise Nuisance on Weekaday during daytime (Lam Tin side)	Y	The complaint is considered as project-related. Various construction activities were conducted during the time of complaint. The details shall be referred to CIR-N169.	Closed
596	11-Apr-22	11-Apr-22 / Portion VIII and IX	Resident of Ocean Shores	Noise	Construction Noise Nuisance on Weekday morning (TKO side)	Y	The complaint is considered project-related as construction was undergoing during the time of complaint. The Contractor held a valid CNP and no non-complaince was found. The details can be referred to CIR-N164.	Closed
595A	22-Mar-22	20-Mar-22 / Non- specific	Resident of Yau Lai Estate	Noise	Construction noise during restricted hours near Yau Lai Estate	Y	Investigation undergoing	Investigation undergoing
595	14-Mar-22	27-Feb-22 / Marine Works Area	Anonymous	Noise	Construction noise nuisance on Sunday morning (Tseung Kwan O side)	Y	See Complaint #594	Closed
594	14-Mar-22	13-Mar-22 / Marine Works Area	Anonymous	Noise	Construction noise nuisance on Sunday morning (Tseung Kwan O side)	Y	The investigation result showed that the complaint should be considered as project-related in terms of construction noise. The details shall be referred to CIR-N163.	Closed
593	14-Mar-22	14-Mar-22 / Marine Works Area	Anonymous	Water	Suspecteed water pollution at Tseung Kwan O Bay	Ν	The complaint is considered non-project-related. The so-called "pollutant" was in fact natural occuring algal bloom. The details shall be referred to CIR-W19.	Closed
592	1-Mar-22	19-Feb-22 / Marine Works Area	Anonymous	Noise	Construction noise at night-time during a weekday	Y	See Complaint #590.	Closed
591	28-Feb-22	26-Feb-22 / Portion VII or IX	Resident of Ocean Shores	Noise	Noise nuisance by excavator during daytime	Y	No clear judgement has been made as it is difficult to identify which excavator the complainant is referring to. The details shall be referred to CIR-N162.	Closed
590	22-Feb-22	17-Feb-22 / Marine Works Area	Anonymous	Noise	Construction noise at night-time during a weekday	Y	The investigation results show that no construction works was carried out during the time period of complaint. The complaint is considered as non-project-related. The details shall be referred to CIR-N160.	Closed
589	14-Feb-22	11-Feb-22 / Portion III	Resident of Yau Lai Estate	Noise	Construction noise nuisance at normal hours (Yau Tong side, Feb 2021)	Y	The complaint is considered to be project-related as PME was operated during the time of complaint and no other nearby know noise source. The details shall be referred to CIR-N161.	Closed
588	31-Jan-22	30-Jan-22 / Along Tong Yin Street between the Capri and the Ocean Shores	Anonymous	Noise	Construction Noise at morning during holiday (Tseung Kwan O side)	Y	See Complaint #587	Closed
587	28-Jan-22	23-Jan-22 / Portion III	Anonymous	Noise	Construction Noise at morning during holiday (Tseung Kwan O side)	Y	The investigation results reveals the complaint is project-related. However, no PME was used on Sunday morning. The Contractor is reminded to follow valid CNP and the details can be referred to CIR-N159	Closed
586	6-Jan-22	6-Jan-2021 / Non- specific	Anonymous	Noise	Construction noise nuisance at normal hours (Yau Tong side, Jan 2021)	Y	See Complanint #577	Closed
585	2-Jan-22	2-Jan-2021 / Non- specific	Resident of Yau Lai Estate	Noise	Construction Noise at morning during holiday (Yau Tong side)	Y	See Complaint #584	Closed

Complaint	Received	Date/Location of				Noise Action		
No.	Date	Complaint	Complainant	Nature	Details of Complaint	Level	Investigation/ Mitigation Action	Status
584	30-Dec-21	30-Dec-21 / Portion III of NE2015/01	Resident of Yau Lai Estate	Noise	Construction Noise at morning during holiday (Yau Tong side)	Exceedance Y	The complaint is considered as project-related. The monitoring result has been reviewed and no exceedance was recorded. The details shall be referred to CIR-N158.	Closed
583	28-Dec-21	18-Dec-21 / Portion I of NE2017/07	Anonymous	Noise	Construction noise nuisance near Ocean Shores (Dec 2021)	Y	The complaint is considered as project-related. The barges were used for installing pair segment between 1900 and 2000. Afterwards, only the lights were turned on forsafeguarding throughout the rest of the night. The details shall be referred to CIR-N157	Closed
582	22-Dec-21	22-Dec-21 / Portion IVC	Resident of Yau Lai Estate	Noise	Construction noise nuisance at normal hours (Yau Tong side, Dec 2021)	Y	See Complanint #577	Closed
581	22-Dec-21	15-Dec-21 / Portion IX of NE2015/02	Anonymous	Noise	Construction noise nuisance near Ocean Shores (Dec 2021)	Y	See Complaint #578	Closed
580	17-Dec-21	15-Dec-21 / non- specific (Yau Tong side)	Anonymous	Noise	Construction noise nuisance at normal hours (Yau Tong side, Dec 2021)	Y	See Complanint #577	Closed
579	17-Dec-21	17-Dec-21 / Portion IX of NE2015/02	Resident of Ocean Shores	Noise	Construction noise nuisance near Ocean Shores (Dec 2021)	Y	The complaint is considred as project-related. Various construction activities were conducted during the time of complaint. Acoustic box was used for the breaker. No non-compliance was found. The details shall be referred to CIR-N157.	Closed
578	16-Dec-21	15-Dec-21 / Marine Works Area	Resident of Ocean Shores	Noise	Construction noise nuisance near Ocean Shores (Dec 2021)	Y	The complaint is considred as project-related. Amour rocking unloading was conducted during the time of complaint. No non-compliance was found. The details shall be referred to CIR-N157.	Closed
577	10-Dec-21	10-Dec-21 / Cha Kwo Ling Road	Resident of Yau Lai Estate	Noise	Construction noise nuisance at normal hours (Yau Tong side, Dec 2021)	Y	The complaint is considered as project-related. Construction works such as formwork erection, backfilling and concreting were undergoing during the time of complaint. The details shall be referred to CIR-N156.	Closed
576	16-Nov-21	15-Nov-21 / Portion IX of C2	Resident of Ocean Shores	Noise	High frequency noise nuisance during evening-time	Ν	It is believed that the complianant confused high- and low-frequency in the original complaint. See complaint #574 for more details.	Closed
575	17-Nov-21	Sep-21 / Cha Kwo Ling Road	Anonymous	Noise	Noise nuisance during Restricted Hours (September 2021)	Y	The complaint is considered as project-related as construction was undergoing at the time of complaint. The Contractor held a valid CNP and no non-compliance was found. Other potential noise source also exists and details shall be referred to CIR-N155	Closed
574	9-Nov-21	8-Nov-21 / Portion IX of C2	Resident of Ocean Shores	Noise	Low frequency noise nuisance during evening-time	Ν	The complaint is considered as non-project related as other potential low-frequency noise source exists. The details shall be referred to CIR-N154.	Closed
573C	16-Nov-21	7-Nov-2021 / Works Area of C1 (Cha Kwo Ling Road)	Resident living near Cha Kwo Ling Road	Noise	Noise nuisance between late October to early Novemer 2021	Y	See Complaint #573A	Closed
573B	5-Nov-21	31-Oct-21 / Works Area of C1 (Cha Kwo Ling Road)	Resident living near Cha Kwo Ling Road	Noise	Noise nuisance between late October to early Novemer 2021	Y	See Complaint #573A	Closed
573A	5-Nov-21	17-Oct-21 / Works Area of C1 (Cha Kwo Ling Road)	Resident living near Cha Kwo Ling Road	Noise	Noise nuisance between late October to early Novemer 2021	Y	The complaint is considered project-related as construction was undergoing during the time of complaint. The Contractor held a valid CNP and no non-complaince was found. The details can be referred to CIR-N153.	Closed
572	5-Nov-21	4-Nov-21 / Non-specific	Resident of Ocean Shores	Noise	Noise nuisance near Ocean Shores	Ν	See Complaint #571	Closed
571	26-Oct-21	25-Oct-21 / Non- specific	Resident of Ocean Shores	Noise	Noise nuisance near Ocean Shores	Ν	Preliminary results from noise monitoring showed no limit level of exceedance and no non- compliance regarding construction schedule was found. The details shall be referred to CIR-N152.	Closed
570	18-Oct-21	18-Oct-21 / Non- specific	Anonymous	Noise	Noise nuisance on holiday during daytime	Y	No clear judgement was made as other potential noise source existed. Nonetheless, the Contractor held a valid CNP and no non-compliance was found. The details shall be referred to CIR-N151.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
569	8-Oct-21	8-Oct-21 / Tsueng Kwan O Bay	DSD	Water	Deteriation of Marine Water Quality in Tsueng Kwan O Bay under Adverse Weather	N	The complaint is considered as non-project related as the general condition of the sea is muddy during the date of incident. The details can be referred to CIR-W18.	Closed
568A	7-Oct-21	3-Oct-21 / Portion III	Resident of Yau Lai Estate	Air & Noise	Resident of Yau Lai Estate	Y	The complaint is considered as project-related. Monitoring data for air quality and construction noise has been reviewed. No limit level exceedance is recorded for construction noise and no action and limit level is record for air quality in the time of the complaint.	Closed
568	4-Oct-21	29-Sep-21 / Marine Works Area	Pedestrian	Odour / Water	Odour Nuisance near Tsueng Kwan O Bay (Sep 2021)	Ν	The complaint is considered as non-project-related. Measures such as adopting low-sulphur content diseil as far as possible is recommended. The details can be referred to CIR-O9.	Closed
567	29-Sep-21	14-Sep-2021 / Marine Works Area (C6)	Anonymous	Noise	Construction Works during Restricted Hours (Sep 2021)	Y	The complaint is considered as project-related and no non-complaince was recorded. The monitoring result of evening noise at Tsueng Kwan O throughout September 2021 was reviewed and no limit level exceedance was found. The details shall be referred to CIR-N150.	Closed
566	17-Sep-21	16-Sep-21 / Portion IVC (C1)	Resident of Yau Lai Estate	Noise	Construction Noise nuisance from Portion IVC of NE/2015/01	Y	See Complaint #563	Closed
565	10-Sep-21	9-Sep-21 / Portion III	EPD	Air	Air pollution from construction dust	Ν	See complaint #564	Closed
564	10-Sep-21	6-Sep-21 / Portion I	Anonymous	Air	Air pollution from construction dust	Ν	Exceedance of 24hr TSP were recorded and evidence of air-quality-related environmental deficiencies were identified during site inspections. The complaint is considered project-related and details shall be referred to CIR-A22.	Closed
563	2-Sep-21	2-Sep-21 / Portion III	Resident living in Cha Kwo Ling	Noise	Construction noise during evening time (Sep 2021)	Y	The complaint is considered as project-related. Monitoring results indicate the construction noise are close to the limit level. The details shall be referred to CIR-N149.	Closed
562	19-Aug-21	15-Aug-21 / Lei Yu Mun Road	Anonymous	Noise	Construction noise nuisance near Lei Yu Mun Road on Sunday	Y	The complaint is considere as project-related as the construction works were carried out during the time of complaint. No monitoring was conducted on Public Holiday. The details shall be referred to CIR-N148.	Closed
561	6-Aug-21	6-Aug-2021 / Non- specific	Resident living in Tiu Keng Ling	Noise	Construction Noise Nuisance on Weekday during Daytime (Aug 2021)	Y	The complaint was considered as project-related. No non-compliance and limit level of daytime construction noise was recorded during late July 2021 and early August 2021. The details of complaint shall be referred to CIR-N147.	Closed
560	31-Jul-21	31-Jul-2021 / Portion VIII	Resident from Ocean Shores	Noise	Construction Noise Nuisance on Saturnday near Ocean Shores (Jul 2021)	Y	The complaint is considered as project-related. Results of construction noise is reviewed and no limit level exceedance was recorded. No non-compliance was found. The details shall be referred to CIR- N146.	Closed
559	3-Aug-21	Jan 2021 - Jun 2021 / Marine Works Area	Resident from Ocean Shores	Noise	Noise Nuisance near Ocean Shores (Jan - Jun 2021)	Y	The complaint included a long-period of time and the current noise mitigation measures were reviewed. No limit level of construction noise was recorded throughout Jan 21 - Jun 21, Despite the complaint is considered as project-related, no non-compliance was recorded. The details shall be referred to the CIR-N145.	Closed
558	11-Jul-21	11-Jul-2021 / Marine Works Area	Anonymous	Working Hours	Operation of Marine Construction Works during Restricted Hours (Jul - 2021)	Ν	The barge shown in the photo provided by the Complainant was not belong to the Project. The compliant was non-valid and thus the complaint is considered as non-project-related. The details shall be referred to CIR-O8.	Closed
557A	14-Jul-21	14-Jul-21 / Portion III	Resident of Yau Lai Estate	Noise	Noise Nuisance from Construction Works (C1 - Jul)	Y	The complaint is considered as project-related. Construction works were undergoing at the time of complaint and PMEs were operating. No non-compliance was recorded.	Closed
557	20-Jul-21	19-Jul-2021 / Eastern Harbour Crossing	Resident from Bik Lai Estate	Noise	Noise Nuisance from Construction Works (C1 - Jul)	Y	The complaint is considered as project-related. Construction works were undergoing at the time of complaint and PMEs were operating. No non-compliance was recorded. The details shall be referred to CIR-N144.	Closed
556	27-Jun-21	27-Jun-2021 / Marine Works Area	Anonymous	Working Hours	Operation of Marine Construction Works during Restricted Hours	Y	Tug boat and crane barge were used for relocating barge and airlifting materials. The Contractors held valid and approved CNP. No non-compliance was recorded. The details shall referred to CIR-N143.	Closed
555	29-Jun-21	29-Jun-21 / Marine Works Area	Anonymous	Water	Suspected Muddy Water at the Marine Works Area	Ν	No ddirect evidewnce point towards C2 was the source of muddy water. The details of complaint shall be referred to CIR-W17.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
554	29-Jun-21	25-Jun-21 / Marine Works Area	Anonymous	Light / Working Hours	Construction works during restricted hours and light nuisance	Ν	No construction was undergoing during the time of complaint. The light shown in photo was used as safeguarding purpose. Details shall be referred to CIR-O7.	Closed
553	27-May-21	26-May-21 / C3	Anonymous	Air	Air quality impact nuisance nearby Po Yap Road (C3 - Apr & May 2021)	Ν	See Complaint #551	Closed
552	18-May-21	17-May-21 / C1	Anonymous	Noise	Noise Nusiance from Construction Works (C1 - May)	Y	The complaint is considered as project-related. Construction activities were undergoing during the time of complaint and deficiencies of noise mitigation measures can be observed. The details shall be referred to CIR-N142.	Closed
551	21-May-21	23-Apr-21 / C3	Resident from Ocean Shores	Air	Air quality impact nuisance nearby Po Yap Road (C3 - Apr & May 2021)	N	The contractor had applied mitigation measures such as regular watering and covering stockpile of dusty materials. The complaint is considered as project-related and details shall be referred to CIR- A21	Closed
550	21-May-21	4-May-21 / C2 & C3	Resident from Ocean Shores	Noise	Noise nuisance at early morning (C2&C3 May 2021)	N	The complaint is considered as non-project-related as both contractor and RE confirmed that no construction was carried out on or before 8 a.m. on the date of incident. The details shall be referred to CIR-N139	Closed
549	26-Apr-21	21-Apr-21 / C1	Mr. Chan from Hong Nga Court	Noise	Noise nuisance at morning (C1- Late Apr)	Y	See Compliant #547	Closed
548	26-Apr-21	23-Apr-21 / C1	Mrs. Ho from Lung pak House	Noise	Noise nuisance at morning (C1- Late Apr)	Y	See Compliant #547	Closed
547	26-Apr-21	25-Apr-21 / C1	Mr. Lau from Yung Lai House	Noise	Noise nuisance at morning (C1- Late Apr)	Y	The complaint is considered as project-related. Construction works were undergoing at the time of complaint and PMEs were operating. No non-compliance was recorded. The details shall be referred to CIR-N141.	Closed
546	19-Apr-21	4&11-Mar-21 / Marine Works Area	Anonymous	Noise	Noise nuisance on holiday mornings (C6 - Apr)	Y	The complaint is considered as project-related and rebar fixing and framework erection was undergoing. No PME was operating during the time of complaint. A valid CNP is held by the Contractor and no non-compliance was identified. The details shall be referred to CIR-N140.	Closed
545	19-Apr-21	22-Mar-21 / Portion IX	Mr. Lai (Sai Kung District Council Member)	Noise	Noise nuisance on holiday mornings (C2 - Mar)	Ν	See Complaint #538	Closed
544	19-Apr-21	11-Mar-21 / Portion III	Resident of Yau Lai Estate	Noise	Noise Nusiance from Construction Works (C1 - Mar)	Y	See Complaint #521	Closed
543	19-Apr-21	3-Apr-21 / Portion III	Resident of Yau Lai Estate	Noise	Noise Nusiance from Construction Works (C1 - Apr)	Y	See Complaint #534	Closed
542	19-Apr-21	3-Apr-21 / Portion III	Resident of Yau Lai Estate	Noise	Noise Nusiance from Construction Works (C1 - Apr)	Y	See Complaint #534	Closed
541	19-Apr-21	7-Apr-21 / Portion III	Resident of Ping Tin Estate	Noise	Noise Nusiance from Construction Works (C1 - Apr)	Y	See Complaint #534	Closed
540	19-Apr-21	14-Apr-21 / Portion III	Mr. Wang (Kwun Tong District Council Member)	Noise	Noise Nusiance from Construction Works (C1 - Apr)	Y	See Complaint #534	Closed
539	16-Apr-21	22-Mar-21 / Portion IX	Residentof Ocean Shores	Noise	Suspected Construction Works during evening-time (C2 - Mar)	Ν	See Complaint #534	Closed
538	16-Apr-21	Non-specific / Works area near Ocean Shores	Residentof Ocean Shores	Noise	Noise nuisance on holiday mornings (C2 - Mar)	Ν	No works was conducted during the time of complaint. The complaint is considered as non-project- related.Details shall be referred to CIR-N138.	Closed
537	15-Apr-21	14/4/2021 / Works area near Park Central	Resident of Park Central	Noise	Noise Nusiance due to Breaking Works (C3- Apr)	Y	Breaking works was conduced during the time of complaint. No limit level for noise monitoring was triggered. The complaint is considerd as project-related. Details shall be referred to CIR-N137.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
536	14-Apr-21	7/4/2021 / Portion IX	Resident of Ocean Shores	Noise	Suspected low-frequency noise nuisance at Portion IX (Apr 2021)	Ν	The complaint is considered as non-project-related as no PME was turned on during the time of complaint. Details shall be referred to CIR-N136.	Closed
535	14-Apr-21	7/4/2021 / C1	Resident of Lam Tin Districct	Noise	Noise nuisance during nighttime (C1 - Apr 2021)	Y	See Complaint #534	Closed
534	8-Apr-21	3/4/2021 / C1	Resident of Yau Lai Estate	Noise	Noise nuisance during nighttime (C1 - Apr 2021)	Y	The complaint is considered as project-related as there was construction works conducted at Kwun Tong Bypass. The details shall be referred to CIR-N135.	Closed
533	26-Mar-21	15-Mar-2021 / Portion IVC or III	Resident of Yau Lai Estate	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	See Complaint #521	Closed
533A	2-Mar-21	2-Mar-2021 / Portion IVC or III	Anonymous	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	See Complaint #521	Closed
532	16-Mar-21	10-Mar-2021 / Zone C	Mr. Lui (Sai Kong District Council Member)	Noise	Noise nuisance during daytime (C3 - Mar 2021)	Y	See Complaint #529	Closed
531	10-Mar-21	10-Mar-2021 / Zone C	Resident of Park Central	Noise	Noise nuisance during daytime (C3 - Mar 2021)	Y	See Complaint #529	Closed
530	10-Mar-21	10-Mar-2021 / Zone C	Resident of Park Central	Noise	Noise nuisance during daytime (C3 - Mar 2021)	Y	See Complaint #529	Closed
529	10-Mar-21	10-Mar-2021 / Zone C	Resident of Park Central	Noise	Noise nuisance during daytime (C3 - Mar 2021)	Y	The complaint is considered as project-related and no non-compliance was found. The noise origin was believed to be the breaking works conducting at Po Yap Road. The concerned breaking works was completed on 13 Mar 2021. The details shall be referred to CIR-N134.	Closed
528	10-Mar-21	10-Mar-2021 / Portion IVC or III	Resident of Yau Lai Estate	Noise	Percussive Noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
527	10-Mar-21	10-Mar-2021 / Portion IVC or III	Resident of Yau Lai Estate	Noise	Percussive Noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
526	10-Mar-21	10-Mar-2021 / Portion IVC or III	Resident of Yau Lai Estate	Noise	Percussive noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
525	9-Mar-21	5-Mar-2021 / Portion IX	Anonymous	Noise	Noise nuisance during daytime (C2 - Mar 2021)	Y	See Complaint #522	Closed
524	9-Mar-21	9-Mar-2021 / Portion IVC or III	Mr. Wong from District Councilers	Noise	Percussive noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
523	9-Mar-21	9-Mar-2021 / Portion IVC or III	Resident of Yau Lai Estate	Noise	Percussive noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
523A	5-Mar-21	5-Mar-2021 / Portion III or IVC	Anonymous	Noise	Percussive noise nuisance at morning (C1 - Mar 2021)	Y	See Complaint #521	Closed
522	4-Mar-21	3-Mar-2021 / Portion IX	Resident of Ocean Shore	Noise	Noise nuisance during daytime (C2 - Mar 2021)	Y	The complaint case was considered as project-related. The Contractor is reminded to close the gap of noise barrier and repair damaged noise barriers. The details shall be referred to CIR-N132.	Closed
521	4-Mar-21	3-Mar-2021 / Portion IVC or III	Resident of Yau Lei Estate	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	The complaint is considered as project-related. No limit level of construction noise was recorede during March 2021 and the details shall be referred to CIR-N133.	Closed
521A	1-Mar-21	2-Mar-2021 / Portion IVC or III	Resident of Ping Tin Estate	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	See Complaint #521	Closed
520	1-Mar-21	1-Mar-2021 / Portion IVC or III	Resident of Yau Lei Estate	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	See Complaint #518	Closed
520A	1-Mar-21	Non-specific	Resident of Yau Lei Estate	Noise	Noise nuisance during daytime (C1 - Mar 2021)	Y	See Complaint #521	Closed
519	24-Feb-21	21-Feb-2021 / Non- specific	Resident of Ocean Shores	Noise	Noise nuisance on morning (Feb 2021)	Ν	No PME was operating on-site at the time of compliant and the complaint is considered as non- project-related. The details shall be referred to CIR-N131	Closed

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518	19-Feb-21	12-13 & 18 Feb 2021 / Non-specific	Resident of Yau Lei Estate & Hong Pak Court	Noise	Percussive noise nuisance at morning (C1)	Y	Incestigation result shows that the percussive noise nuisance was generated from Portion IVC. The construction work started after 0700 and no limit level of daytime noise exceedance was recorded. The details shall be referred to CIR-N130	Closed
518A	1-Mar-20	27 Feb 2021 / Non- specific	Non-specific	Noise	Percussive noise nuisance at morning (C1)	Y	See complaint #518	Closed
518B	1-Mar-20	25 feb 2021 / Non- specific	Resident of Hong Pak Court	Noise	Percussive noise nuisance at morning (C1)	Y	See complaint #518	
517	8-Feb-21	8/2/2021 / Non-specific	Resident of Ocean Shores	Noise	Noise Nuisance from Excavator	Y	No clear judgement was made as the complainant's information is too vague and it is hard to pinpoint the excavator mentioned in the complaint was in fact the one located at the project site. The details shall be referred to CIR-N129.	Closed
516	26-Jan-21	21-Feb-2021 / Non- specific	Resident of Ocean Shores	Noise / Operating Hours		N	No PME was operating on-site on the date of complaint. The details shall be referred to CIR-N128	Closed
515	23-Jan-21	12-13 & 18 Feb 2021 / Non-specific	Resident of Yau Lei Estate & Hong Pak Court	Noise	Continous Noise Nuisance during Nighttime (Jan 2021)	Ν	See complaint #504	Closed
514	22-Jan-21	8/2/2021 / Non-specific	Resident of Ocean Shores	Noise		Y	See complaint #511	Closed
513	22-Jan-21	15-Jan-2021 / Zone D	Resident of Ocean	Air	Air quality impact due to open stockpile	Ν	See Complaint #508	Closed
512	22-Jan-21	20-Jan-2021 / Zone D	Shores			Ν		
511	20-Jan-21	6/1/2021 & 15/1/2021 / Portion IX of C2	Resident of Ocean Shores	Noise		Y	The complaint is considered as project-related as barge was operating in during time of complaint. The details shall be referred to CIR-N128	Closed
510	19-Jan-21	Non-specific / Portion IX of C2	Resident of Ocean Shores Noise	Continous Noise Nuisance during Nighttime (Jan 2021)	Ν	See complaint #505	Closed	
509	15-Jan-21	15/1/2021 / Portion IX of C2	Resident of Ocean Shores	Noise		Ν	See complaint #505	Closed
508	13-Jan-21	5/1/2020 / Storage Area of C3	Resident of Ocean Shores	Air	Air quality impact due to open stockpile	Ν	The Complaint was found project-related. The dust origin was from the stockpile at Zone A of C3. The Contractor had sprayed water regularly to suppress the dust emission and improvement had been observed over Jan 2021. Details shall be referred to CIR-A20.	Closed
507	13-Jan-21	5/1/2020 / Storage Area of C3	Resident of Ocean Shores	Air	Air quality impact due to open stockpile	Ν	The Complaint was found project-related. The dust origin was from the stockpile at Zone A of C3. The Contractor had sprayed water regularly to suppress the dust emission and improvement had been observed over Jan 2021. Details shall be referred to CIR-A20.	Closed
506	7-Jan-21	6-Jan-2020 / Portion IX	Resident of Ocean Shores	Noise	Continous Noise Nuisance during	Y	See Complaint #500	Closed
505	4-Jan-21	22-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise	Nighttime (Jan 2021)	N	No clear judgement was made. Other than the construction site, other source for low-frequncy noise was also identified. Details shall be referred to CIR-N128	Closed
504	4-Jan-21	1-Jan-2020/C1	Resident of Yau Lai Est.	Noise	Suspected noise nuisance from work site	Ν	The complaint was considered non-project-related as there was no PME working on site. The details shall be referred to CIR-N127.	Closed
503	30-Dec-20	21-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise		Y		Closed
502	28-Dec-20	22&23-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise		Y	See complaint #500	Closed
501B	23-Dec-20	22-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise	Noise nuisance at nighttime on a	Y		Closed
501A	23-Dec-20	22-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise	weekday	Ν	No direct evidence show that the Contractor operated barges at the time of complaint. Therefore the complaint was considered as non-project-related. The details shall be referred to CIR-N126.	Closed

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Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
501	23-Dec-20	22-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise		Y	The Contractor operated PME(s) at evening-/night- time without an approved valid CNP. The	Closed
500	22-Dec-20	22-Dec-2020 / Portion IX	Resident of Ocean Shores	Noise		Y	complaint is considered as project-related. The details shall be referred to CIR-N126.	Closed
499	21-Dec-20	20/12/2020 / marine works area	Resident of Ocean Shores	Operating hours / Noise	Horning noise nuisance on Sunday	Ν	The complaint is considered as non-project-related as no barge was working under the TKOLTT project at the time of complaint. The details shall be referred to CIR-O6.	Closed
498	18-Dec-20	17-Dec-2020 / Marine Works Area	Resident of Ocean Shores	Noise	Low frequency noise & occasional piling noise nuisance during night- time	Y	The complaint is considered as project-related as the noise nuisance was coming from water pumps that working 24/7. Details shall be referring to CIR-N125.	Closed
497	9-Dec-20	Days on/before 9/12/2020 / Portion IVC	Resident of Yau Lai Estate	Air & Noise	Dust & Noise Nuisance near Lam Tin Interchange (December)	Y	See Complaint #494	Closed
496	3-Dec-20	Days before 3-Dec-20 / Lam Tin Tunnel	Resident of Hong Pak Court	Noise	Dust & Noise Nuisance near Lam Tin Interchange (December)	Y	See Complaint #494	Closed
495	16-Dec-20	12-Dec-2020 / Po Yap Road	Resident of Park Central	Noise	Night time machenical noise nuisance	Y	The complaint is considered as project-related as the noise nuisance was coming from water pumps that working 24/7. Details shall be referring to N124.	Closed
494	5-Dec-20	Early Dec 2020 / Portion III	Resident of Lung Pak House / Staff from Elderly Hoouse nearby	Noise	Noise Nuisance near Lam Tin Interchange (December)	Y	The complaint is considered as project-related and no non-compliance in CNMP had been recorded. The contractor is reminded to ensure the effectiveness of noise mitigation measures by various measures including repairing damaged noise barrier. The details shall be referred to CIR-C40.	Closed
493	8-Dec-20	25-Nov-2020 & 2-Dec- 2020 / Works area nearby Park Central	Resident of Park Central	Noise	Percussive noise nuisance from at early morning	Ν	The complaint is considered as non-project-related. No operating PME(s) under TKO-LTT project at the time of complaint was known to emit percussive noise at the time of complaint. The details shall be referred to CIR-N123.	Closed
492	18-Nov-20	18-Nov-2020 / Portion VIII (C2)	Resident of Ocean Shores	Noise	Construction Noise nuisance at Morning	Y	Prelimary result reveals that pre-boring and breaking works had been conducted at the time of complaint. The details shall be referred to CIR-N122.	Closed
491	18-Nov-20	16-Nov-2020 / C1	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Restricted Hour)	Y	See Complaint #490.	Closed
490	13 & 16 Nov 20	5-12 & 14-Nov-2020 / C1	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Restricted Hour)	Y	The complaint is considered as project-related. The origin of noise nuisance was believed to be construction works at Tunnel S1 and S2. No non-compliance was found and the details shall be referred to CIR-N121	Closed
489	13-Nov-20	13-Nov-2020 / C1	Resident of Yau Lai Estate	Air & Noise	Dust and Noise Nuisance in Portion IVC	Y	The complaint was found project-related. The contractor had adpoted various noise mitigation measures suc as rock splitting method and erection of semi-enclosure to further reduce the noise impact to its surrounding. The details shall be referred to CIR-C39.	Closed
488	13-Nov-20	10-Nov-2020 / C2	Resident of Ocean Shores	Air	Dust emission from construction works	Ν	The complaint was found project-related. The Contractor is recommended to spray water more requently to suppress the dust nuisance. The details shall be referred to CIR-A19.	Closed
487	11-Nov-20	5-Nov-2020 / Portion IVC	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Late September to November)	Y	See Compliant #468	Closed
486	11-Nov-20	6-Nov-2020 / Portion IVC	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Late September to November)	Y	See Compliant #468	Closed
485	7-Nov-20	7-Nov-20	Resident of Park Central	Noise	Precussive noise nearby Park Central	Y	The complaint is considered non-project-related as no PME that know to emit percussive noise was operating during the time of complaint. The details shall be referred to CIR-N120.	Closed
484	7-Nov-20	7-Nov-20 / Portion IV	Resident of Ocean Shores	Noise	Noise Nuisance from Excavation Works	Y	See complaint #481	Closed

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483	6-Nov-20	6-Nov-20	Resident of Ocean Shores	Noise	Low-frequency noise at night (Oct&Nov 2020)	N	The low-frequency noise was found coming from the water pumps that works 24/7 and other source may also contribute to the noise nuisace. The Contractor had followed the approved CNP. The complaint is considered project-related and shall be referred to CIR-N119	Closed
482	30-Oct-20	29-Oct-2020 / C2	Non-specific	Air	Dust emission from construction works	Ν	Despite the contractor had sprinkle water regularly, the haul road was found dry during site audit session. The Contractor is reminded to sprinkle water more frequently and cover stockpiles of dusty material to reduce dust emission. The details shall be referred to CIR-A19	Closed
481	3-Nov-20	2-Nov-2020 /Portion IV	Resident of Ocean Shores	Noise	Noise Nuisance from Excavation Works	Y	The complaint is considered project-related as no other possible noise origin is know to emit such kind of noise at the surrounding. The Contractor had been reminded to applied lubricants and tighten the screws to reduce noise level. The details shall be referred to CIR-N118	Closed
480	3-Nov-20	3-Nov-2020 / Portion IVC	Resident of Yau Lai Est	Noise	Noise Nuisance near Lam Tin Interchange (Late September to November)	Y	See Complaint #469	Closed
479	3-Nov-20	2-Nov-2020 / Portion IVC	Resident of Yau Lai Est	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	See Complaint #469	Closed
478	3-Nov-20	30-Oct-2020 / Portion IVC	Mr. Wong from District Councilers	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	See Complaint #469	Closed
477	30-Oct-20	15-Oct-2020 / Portion IVC	Non-specific	Air	Air & Noise Nuisance near Lam Tin Interchange (October)	Ν	See Complaint #469	Closed
476	29-Oct-20	29-Oct-2020 / Portion IVC	Resident of Yau Lai Est	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	See Compliant #468	Closed
475	28-Oct-20	Not specific / Lam Tin interchange	Non-specified (near Yau Lai Estate)	Noise	Air & Noise Nuisance near Lam Tin Interchange (October)	Y	See Complaint #469	Closed
474	23-Oct-20	23-Oct-20 / Portion IX	Resident from Ocean Shores	Noise	Low-frequency noise at night (Oct- Nov 2020)	Ν	The low-frequency noise was found coming from the water pumps that works 24/7 and other source may also contribute to the noise nuisace. The Contractor had followed the approved CNP. The complaint is considered project-related and shall be referred to CIR-N119	Closed
473	21-Oct-20	19-Oct-20 / Portion IX	Resident from Ocean Shores	Noise	Noise Nuisance near Portion IX	Y	See complaint #459	Closed
472	20-Oct-20	20-Oct-20 / Portion IV	Resident from Ocean Shores	Noise	Noise Nuisance from Excavation Works	Y	Preliminary results show the noise source was from the backhoe at Portion IV. The Contractor had applied mitigation measures such as adding lubricant to mounting parts to alleviate the problem. The details shall be referred to CIR-N118	Closed
471	6-Oct-20	6-Oct-20 / Portion IX	Resident from Ocean Shores	Noise	Noise nuisance at morning (Oct 2020)	Y	See complaint #459	Closed
470	10-Oct-20	3-10 Oct 20 / Portion IVC	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	See Compliant #468	Closed
469	10-Oct-20	9-10 Oct 20 / Lam Tin Interchange	DC Member (Mr. Wang)	Noise	Air & Noise Nuisance near Lam Tin Interchange (October)	Y	The complaint is considered as project-related and no non-compliance in CNMP had been recorded. The contractor had adopted mitigation measures such as deploying noise absorbing materials among construction site and spraying water near dust generating activities. The details shall be referred to CIR-C38.	Closed
468	5-Oct-20	Mondays - Saturdays / Portion IVC	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	See complaint #468A	Closed

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468A	5-Oct-20	Mondays - Saturdays / Portion IVC	Resident of Yau Lai Estate	Noise	Noise Nuisance near Lam Tin Interchange (Late September to Early November)	Y	The complaint was considered project-related. Mitigation measures such as deploying noise barrier and attempts on blocking direct line of sight from NSR was observed. The details shall be referred to CIR-N117.	Closed
467	23-Sep-20	19-Sep-2020 / Portion IX		Noise	Daytime noise nuisance (mid- September)	Y	See complaint #459	Closed
466	22-Sep-20	20-Sep-2020 / Portion IX	Resident of Ocean Shores	Noise / Working	Noise nuisance on Sunday	Y	Investigation result shows none of the contract under TKOLTT conducted works on Sunday. The	Closed
465	20-Sep-20	20-Sep2020 / Portion IX		Hours	Tonse huisanee on Sanday	Y	details shall be referred to CIR-O5	Closed
464	17-Sep-20	August 2020 / Portion IX	Resident of Ocean Shores	Noise	Continuous Noise Nuisance over Aug 2020	Y	The investigation shows no non-compliance and action level for noise is triggered. The details shall be referred to CIR-N113	Closed
463	15-Sep-20	15-Sep-2020 / Non- specific	Anonymous	Noise	Percussive noise nuisance at early morning	Y	See complaint #462.	Closed
462	8-Sep-20	10-Sep-2020 / Potion IX	Anonymous	Noise	Suspected muddy water discharge	Ν	The complaint is considered non-project-related. The investigation pointed out the Contractor had maintain wastewater treatment facilities properly and no action or limit level of surface SS was triggerred after the incident. The muddy water was coming from DSD desilting compound. Details shall be referred to CIR-W16	Closed
461	5-Sep-20	5-Sep-2020 / Portion IX	Resident of Ocean Shores	Noise	Squeaky noise on a Saturnday Morning	Y	The squeaky noise believed was coming from operating barges at C6. No non compliance was found. Details shall be referred to CIR-N115	Closed
460	8-Sep-20	8-Sep-2020 / Portion IVC	Resident of Yau Lai Estate	Noise	Noise nuisance near East Habour Cross Tunnel	Y	See complaint #456	Closed
459	4-Sep-20	1-Sep-2020 / Portion IX	Resident of Ocean Shores	Noise	Noise nuisance at morning (Early Sep 2020)	Y	The complainant had repeatedly complaint about the continuous noise nuisace from September to October 2020. The complaint is considered as project-related. The result of noise monitoring had been reviewed and no limit level of exceedance was found. The details of complaint shall be referred to CIR-N114.	Closed
458	28-Aug-20	Early August 20 / Lam Tin Tunnel	Resident from Yau Lai Estate	Noise	Long-term noise nuisance since early August	Y	See complaint #456	Closed
457	27-Aug-20	24&25-Aug-20 / Portion IX	Rersident from Ocean Shores	Noise	Noise nuisance at morning (Late August 2020)	Y	See complaint #456	Closed
456	18-Aug-20	18-Aug-20 / Portion IVC	Resident from Yau Lai Estate	Noise	Noise nuisance near East Habour Cross Tunnel	Y	Investigation showed the nuisance was generated by breaking works. The contractor had promised to complete the semi-enclosure by October 2020. The details shall be referred to CIR-N112	Closed
455	18-Aug-20	Dates on/before 1-Aug- 20 / Lam Tin Tunnel	Resident from Yau Lai Estate	Noise	Noise nuisance from tunnel works	Y	Breaking had been conducted during the time of complaint. The details shall be referred to CIR-N111	Closed
454	11-Aug-20	2-Aug-20 / Sea outside Ocean Shores	Resident from Ocean Shores	Operation Hours	Working on restricted hours and public holiday	Ν	The working barge was believed to be working under the Cross Bay Link project. None of the barges working on the time of complaint belongs to TKOLTT project. Despite works had been conducted, no PME was turned on during the time of complaint. The details shall be referred to CIR-O4.	Closed
453	3-Aug-20	3-Aug-20 / Western Marine Works Area	Resident from Ocean Shores	Water	Suspected muddy water and worn out silt curtain	Ν	The suspected muddy water was due to the strong tidal movement under typhoon influence. The silt curtain was not deployed properly when the typhoon was landed. Details shall be referred to CIR- W15	Closed
452	1-Aug-20	31-Jul-20 / Marine Works Area	Resident from Ocean Shores	Noise	Squeaky noise during nighttime	Y	The noise was originated from the wires that used for tightening the barge. The Contractor had not fasten the wire completely as strong wave and wind actionmay tear up the wire and made the barge stranded. The details shall be referred to CIR-N110.	Closed
451	28-Jul-20	28-Jul-20 / Portion IX	Resident from Ocean Shores	Noise	Breaking noise on the morning	Y	Breaking had been conducted during the time of complaint. The details shall be referred to CIR-N109	Closed

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450	23-Jul-20 24-Jul-20	23&24-Jul-20 / Works area nearby Ocean Shores	Residents from Ocean Shores	Noise	Noise nuisance on weekdays	Y	The noise nuisance was originated from high-noise level works such as breaking and drilling. The details shall be referred to CIR-N108	Closed
449	16-Jul-20	12-Jul-20 / Lam Tin Tunnel	Resident of Hong Pak Court	Noise	Noise Nuisance Suspected from Tunnel (C1)	Y	Breaking work was conducted near the underground of Hong Pak Court. No non-conformance of CNP was identified, contractor is reminded to strictly follow the conditions of CNP and the time period of CNP. The details shall be referred to CIR-N110.	Closed
448	4-Jul-20	4-Jul-20 noon / Marine works area nearby Ocean Shores	Resident of Ocean Shores	Air	Dark Smoke Emission from Barge	Ν	The dark smoke was originated from the barge. It is common that dark smoke will be released when the barge's engine was starting. The details shall be referred to CIR-A18.	Closed
447C	10-Jul-20	28-Jun-2020 / TKO South open sea		Water	Suspected oil leakage at the TKO south open sea	Ν	See complaint #447A.	Closed
447B	10-Jul-20	29-Jun-2020 / TKO south open sea & flyover towards TKO Chinese Permanent Cemetery	Anonymous	Water / Noise	Suspected muddy water spillage and noise nuisance due to speeding	N	See complaint #447A.	Closed
447A	10-Jul-20	24-Jun-2020 / Non- specific		Noise	Long-term noise nuisance and insufficient noise mitigation measures	Y	The suspected oil leakage was believed to be an algae bloom over the whole bay area. The noise nuisance from speeding was considered not project related. The details shall be referred to CIR-C37	Closed
446	12-Jun-20	31-May-2020 / Area nearby Yau Lai Est	Resident of Yau Lai Estate	Noise	Noise nuisance at Morning nearby East Habour Crossing	Y	See complaint #442.	Closed
445	11-Jun-20	11-Jun-20 / Park Central	Resident of Park Central	Air	Pungent smell suspected coming from the work sites	Ν	See complaint #443B.	Closed
444	6-Jun-20	6-Jun-20 / Portion IX	Residents of Ocean Shores	Water	Flooding within work site and suspected muddy water spillage after downpour	Ν	The flooding is a normal phenonmenon as the site boundary have been embarked. The suspected muddy water is wide-spread among the open sea at TKO south and no exceedance of SS were recordede after the incident. The complaint is considered non-project-related and details shall be referred to CIR-W14.	Closed
443B	(11, 20)	N		4 · 41 ·	Odour nuisance nearby TKO MTR Station	Ν	The preliminary result showed no direct relationship between the nuisance and the construction works. The details shall be referred to CIR-A17.	Closed
443A	6-May-20	Non-specific	Anonymous	Air/Noise	Noise nuisance at Night and Air Quality Impact from Works	Y	The complaint is considered non-project-related. There is no direct evidence showing the project site is the origin of the nuisance. The details shall be refered to CIR-C36	Closed
442	22-May-20	22-May-20 / LT Tunnel	Resident from Hong Pak Court	Noise	Noise nuisance from Tunnel Works	Y	The noise is believed to be breakin inside the tunnel. The CNP was compiled with and contractor is reminded to review breaking schedule to less sensitive hour. The details shall refer to CIR-N105.	Closed
441	8&9-Apr-20	9-Apr-20 / TKO surcharge area	Residents of Ocean Shores	Air/Noise	Noise Nuisance on early morning and Air Quality Works from Excavation Works	Y	The work schedule of C2 had been reviewed. The "beeping" noise is originated from C2 due to safety issue (for mobilization of materials with crane). The noise nuisance is believed to be coming from the vibration hammer. The Contractor had water the exposed area regular to reduce dust impact to the surrounding. The details shall be referred to CIR-C35	Closed
440	13&17-May-20	13-May-2020/Surcharge Area of TKO	Residents of Ocean Shores	Noise	Noise generation in early mornings of early May	Y	The work schedule of C2. C3 & C6 had been reviewed. The noise source is believed to be generated from C2 due to sheet-piling. The details shall be referred to CIR-N104.	Closed
439	7-Apr-20 & 24- Apr-20	April 2020 / Works area near Park Central (non- specific)	Residents of Park Central	Odour	Continuous diesel fuel odour nuisance near Park Central	Ν	No direct evidence proved that the odour source was originated from the work sites of TKOLTT. The details shall be referred to CIR-A16.	Closed
438	18-Apr-20	18-Apr-20 / Marine Works Area at TKO	Residents of Ocean Shores	Noise/ Light	Blasting, High Frequency Noise and Light in Tseung Kwan O	Y	The complaint was valid in regard of noise. Blasting had been carried out during the midnight and the Contractor is reminded to strictl follow requirements of CNP. The light source was originated from the construction vessels due to safety reason and guard watching. Details shall be referred to CIR-C34.	Closed

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437	27-Mar-20	27-Mar-2020 / Surcharge Area (C2)	Resident of Ocean Shores	Noise	Low Frequency Noise during Midnight	Y	The noise source was the malfunctioned dewatering pumps. The details shall be referred to CIR-N103	Closed
436	26-Mar-20	26-Mar-20/ Portion IVC	District Council Member (Mr. Wong)	Noise	Noise nuisance, vibration and spectedly insufficient mitigation measures in Lam Tin	Y	See complaint #431	Closed
435	23-Mar-20	23-Mar-20/ Lam Tin Tunnel	Resident of Cha Kwo Ling Village	Noise	Groundborne Noise from Blasting in the Evening	Y	Blasting was conducted at the time of complaint. The vibration monitoring conducted near Tin Hau Temple was considered the vibration level was acceptable. The details shall be referred to CIR-N102.	Closed
434	23-Mar-20	20-Mar-20/ Lam Tin	District Council Member (Mr. Wong)	Noise	Noise nuisance from Construction Works during Holiday	Y	See compliant #427.	Closed
433	20-Mar-20	20-Mar-20/ Lam Tin	Resident of Hong Pak Court	Noise	Noise nuisance, vibration and suspectedly insufficient mitigation measures in Lam Tin	Y	See complaint #431	Closed
432	18-Mar-20	18-Mar-20 / Portion IVC	Resident of Yau Lai Estate	Noise	Noise nuisance, vibration and suspectedly insufficient mitigation measures in Lam Tin	Y	See complaint #431	Closed
431	14-Mar-20	14-Mar-20 / Portion IVC	Residents of Yau Lai Estate	Noise	Noise nuisance, vibration and suspectedly insufficient mitigation measures in Lam Tin	Y	The time period and PMEs of major works conducted during daytime of the complaints, no non- compliance in CNMP and during site audits has been recorded. The Contractor is recommended to provide alternative noise mitigation measures such as acoustic box for noisy PMEs and regularly repair materials of the noise mitigation measures. Details shall be referred to CIR-N101.	Closed
430	17-Mar-20	17-Mar-20 / Surcharge Area / C2	Anonymous	Water	Muddy Water at the Surcharge Area	Ν	The "muddy water" was created by the tug boat's screw propeller. The Contractor claimed the propeller stirred up seedbed sediment and generated "muddy water". The details shall be referred to CIR-W13.	Closed
429	10-Mar-20	10-Mar-20 / Site Nearby Park Central	Resident of Park Central	Noise	Noise nuisance in early morning (Mar 2020)	Y	No construction works had been conducted at the time of complaint for C3 and the major works area in C2 was at least 300m away from the complainant. It is believed that the major noise source was coming from ASD's work site. The details shall be referred to CIR-N100	Closed
428	4-Mar-20	Not Specified / Tseung Kwan O	Mr. Lui, Sai Kung District Council	Odour / Noise	Odour and low frequency noise nuisance from construction site	Y	Only minor works had been conducted at the time of complaint. No direct evidence showed that the odour source was originated from C3. The suspected nuisance source is believed to be ASD's works area. The details shall be referred to CIR-C33	Closed
427	1-Mar-20	1-Mar-20 / Portion IVC	Resident of Yung Kai House	Noise	Noise nuisance from Construction Works during Holiday	Y	No construction works were conducted at the concerned locations and no direct evidence showing the complaint is project-related. The details shall be referred to CIR-N99	Closed
426	19-Feb-20	11-Feb-20 / Works area outside TKL Sports Centre	Anonymous		Noise nuisance from breaking works	Y	Refer to complaint #423 and #424.	Closed
425	18-Feb-20	29-Jan-2020 / Marine works Area	Mr. Chan from Ocean Shore		Noise nuisance from barge in morning	Y	No works had been conducted in the time period of complaint. The noise is believed to be non- project-related. The details shall be referred to CIR-N95.	Closed
424	11-Feb-20	8 and 11-Feb-2020 / Site near TKL Station	Resident of Park	Noise	Noise nuisance from breaking	Y	The complaint was valid and the contractor had been operating only 1 breaker at a time. The contractor is suggested to further increase the mitigation measures to reduce impact to the	Closed
423	3-Feb-20	03-Feb-2020 / Site Near TKL Station	Central		works	Y	surrounding neighborhood. The details shall be referred to CIR-N97	Clobed
422	3-Feb-20	2-Feb-20 / Lam Tin Interchange	Resident of Cheuk Lai House, Yau Lai Estate		Noise nuisance suspected to be related to works involving metal hammering on Site near EHC	Y	No construction activities were conducted at the concerned locations during the period of complaint. The Contractor is reminded to keep conducting good site practice and strictly follows the requirements of approved CNP. The details shall be referred to CIR-N98	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
421	21-Jan-20	21-Jan-20 / Portion IX	Ocean Shores Residents		Noise nuisance due to Blasting at midnight	Y	Blasting was conducted around 1:30am due to the vicinity of the Railway protection zone of MTR. The Contractor is reminded to keep the blast door closed during blasting to minimize noise impacts and re-schedule blasting to less sensitive hours as far as practicable. The details shall be referred to CIR-N96.	Closed
420	7-Jan-20	7-Jan-20 / Portion IX	Ocean Shores Residents		Irritating loud noise nuisance from Portion IX (C2)	Y	See complaint #417	Closed
419	7-Jan-20	Sundays before 7-Jan- 20 / Tunnel Works	Resident of Hong Pak Court	Noise	Noise nuisance from Tunnel Works	Y	See Complaint #416.	Closed
418	7-Jan-20	5-6-Jan-20 / C1 Marine Works Area	Ocean Shores Residents		High-frequency noise during night- time	Y	The high frequency noise was believe to be noise emitted from the marine works area of C1. The details shall be referred to CIR-N94.	Closed
417	3-Jan-20	2-Jan-20 / Portion IX	Former District Member (Mr. Chan)		Annoying noise emission and inefficient noise mitigation measures	Y	The noise source is believed to come from a breaker and mitigation was insufficient. The Contractor was requested to strictly follow the Noise Mitigation Plan. The details shall be referred to CIR-N93.	Closed
416	29-Dec-19	29-Dec-19 / Non- specific	Resident of Hong Pak Court	Noise	Groundborne Noise from Works area	Y	Project-related with valid CNP. Contractor is reminded to reduce noise emission and prevent breaking and noisy activities during restricted hours. The details shall be referred to CIR-N92.	Closed
415	27-Dec-19	25-Dec-19 / Lam Tin Interchange (Portion IVC)	Resident of Yau Estate	Noise	Noise nuisance from Portion IVC	Y	Non project-related due to maintenance works of East Cross-harbor Tunnel. The details shall be referred to CIR-N91.	Closed
414	24-Dec-19	22-Dec-19 / Lam Tin Interchange (Portion IVC)	Resident of Yau Estate	Noise	Piling noise nuisance near Lam Tin Interchange	Y	Project-related with valid CNP. Contractor is reminded to reduce noise emission and prevent breaking and noisy activities during restricted hours. The details shall be referred to CIR-N91.	Closed
413	24-Dec-19	24-Dec-19 / Portion IX of Contract 2	Resident of Capri & Ocean Shores	Noise	Loud and continuous noise emission from Portion IX	Y	No breaking activity was conducted by the C3. It was believed that C2 was the major noise source and the mitigation measures were insufficient. The details shall be referred to CIR-C32.	Closed
412	19-Dec-19	14-Dec-19 / marine works area	Resident of Ocean Shores	Noise	Noise nuisance from the marine works area	Y	The major construction work was driven by pin piles. The noise emitted due to the construction activities is considered to be reduced to an acceptable level as no NSR falls under the ambit of 300m study area of the work site. Details should be referred to CIR-N90.	Closed
411	2-Dec-19	30-Nov-19 / Construction Sites Outside TKL Sports Center	Resident of Park Central	Air / Noise	Non-effective noise mitigation measures and related dust and noise nuisance	Y	The construction noise created by breaking works are considered non-project related due to the large separation distance between noise source and the Complainant's Location. Major dust emission from the works area next to C3 was recorded. The Contractor is reminded to provide regular watering to dusty works. Details should be referred to CIR-C31.	Closed
410	28-Nov-19	25-Nov-19 / Portion 4C	Anonymous	Noise	Noise nuisance from Lam Tin Works Area and operation hours	Y	Refer to Complaint #408	Closed
409	27-Nov-19	20&27-Nov-19 / Construction Sites near Po Yap Road & Chui Ling Road	Resident of Park Central	Air / Noise	Dust emission due to excavation works and noise nuisance from Piling works	Y	Although noise barrier had been erected and around the breakers, the direct line of sight to the NSRs at Park Central could not be totally blocked. The Contractor is recommended to provide cantilevered noise barrier with noise absorbing materials to minimise noise impact as far as practicable. Details should be referred to CIR-C31.	Closed
408	25-Nov-19	Non-specific (Nov-19) / Portion 4C	Resident of Yau Lai Estate	Noise	Serious Noise Nuisance from Lam Tin Works Area	Y	Despite the Contractor had applied different noise mitigation measures (e.g. semi enclosure and noise barrier). Environmental deficiency was observed during site audit session. The Contractor is recommended to apply alternative noise mitigation measures to improve the situation. The details shall be refer to CIR-N89.	Closed
407	12-Nov-19	Non-specific (Nov-19) / LT Construction Site	Non- specified(Complaina nt has previously made complaints on LTI)	Operation Hours	Inquiries on operating hours & Noise Nuisance	Ν	The time of complaint falls under day-time. According to the Contractor and RE, the general starting time of construction works are 08:15 on normal week days. The Contractor had avoid conduct noisy works on morning to minimize noise impacts for the nearby residents. The details shall be refer to CIR-O3	Closed
406	5-Nov-19	5-Nov-19 / Tunnel near TKO	District Council Member (Mr. Chan)	Noise	Noise nuisance from Blasting activities during night-time	Y	No blasting was carried out on that night. The construction activities were conducted inside the tunnel with the blast door closed. The CNP that the Contractor held remained valid during the time of complaint. The details shall be refer to CIR-N88	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
405	29-Oct-19	17-Oct-2019 / Marine Works area near Ocean Shore	District Council Member (Mr. Chan)	Noise	Daytime times noise nuisance	Y	The complaint details does not tally up with the information provided with the Contractor and RE. Referring to the Contractor, there was construction works was starting at 09:00. Noise mitigation measures, such as acoustic mats, were applied to minimize noise impact. The details shall be refer to CIR-N87	Closed
404	15-Oct-19	12-Oct-19 / Marine Works area near Ocean Shore	Residents of Ocean Shores	Noise / Working Hours	Noise nuisance due to operation of barge on Saturday early morning	Y	The time of complaint falls within daytime and the major works conducted are dredging and reclamation. The contractor did not require any extra mitigation measures. The contractor had applied sound-proofing mat on the engine floor of the barges and is recommended to strictly follow the requirements of noise mitigation plan. The details shall be refer to CIR-N86	Closed
403	15-Oct-19	Oct-19 (Not Specified) / C2 Construction Site	Residents of Ocean Shores	Noise / Working Hours	Operation of marine construction works during late hours	Y	The major construction works is trimming works for the rock mount during the time period of complaint. Mitigation measures provided by the Contractor included provision of noise insulating mats to the engine floor of the barges and shorten the work hours by ending construction works on or before 21:00 since early Oct 2019. Details shall be referred to CIR-N85.	Closed
402	10-Oct-19	09-Oct-2019/ Site near TKO CPC	Residents of Ocean Shores	Noise	Noise nuisance of construction works at marine work area during early morning	Y	No construction activity at both the Cavern near the BCMCP Bridge and Platform 1B, including the barge, in particular during the complaint period between 2am and 3am on 9 Oct 2019. Since no works had conducted during the time of complaint, no mitigation measures are required. The details shall be referred to CIR-N84.	Closed
401	5-Oct-19	05-Oct-2019 / C2 Portion IX	District Council Member (Mr. Chan)	Noise	High noise level from works area during daytime	Y	The time period of complaint falls under day-time and therefore the Contractor is required to carry out mitigation measures according to the latest CNMP only. The construction activities had been reviewed and no non-compliance was identified. No Limit Level of Exceedance at daytime was recorded during October 2019. For mitigation measures, the Contractor had set up sound-proofing mats and SlientUp to reduce noise impact. The details shall be refer to CIR-N83.	Closed
400	16-Sep-19	10-Sep-19 / TKO Marine Works Area	District Council Member (Mr. Chan)	Water	Muddy water discharge and deficiency in water quality mitigation measures	N	With accordance to the Contractor and RE, the silt curtains were deployed regarding to SCDP ver. 8 since 10-Sep-19, site inspection on 12-Sep-19 also showed the silt curtains were deployed properly. Despite there are chances of accidental muddy water discharge due to the removal of cofferdam on 13-Sep-19, local silt curtain had been place in order to minimize the unavoidable impact by related loading and unloading of fill materials. No muddy water had been observed outside the silt curtain in order to well-confine the muddy water released from the grab. On top of that, the Contractor shall always follow the SCDP to ensure the minimization of impacts. Details should be referred to CIR-C30.	Closed
399	16-Sep-19	16-Sep-19 (Not Specified) / LT Interchange Potion III	Resident of Bik Lai House, Yau Lai Estate	Noise	Noise emission from the tunnel entrance (Potion III)	Y	No construction works was carried out during the time of complaint. Details should be referred to CIR-N82.	Closed
398	16-Sep-19	13-Sep-19 / Works Area of LT-TKO Tunnel outside Tiu King Leng MTR Station	Anonymous	Air / Water	Dark smoke emission and muddy water discharge from the marine work vessels near shore	N	No dark smoke emission was observed during the site inspection conducted in the week of the complaint. The Contractor has applied an air filtering tank to clean the exhaust from the barge before emission. Details should be referred to CIR-C30.	Closed
397	6-Sep-19	30 Aug-19 / Works area near Ocean Shores	Resident of Ocean Shores	Noise / Working hours	Noise emitted from Barge during Evening times	Y	The unloading works had been reviewed and no limit level of exceedance were recorded during August to early September. Since the period of complaint falls under evening times, no mitigation measures were required by the CNP. Details should be referred to CIR-N81.	Closed
396	6-Sep-19	30 Aug-19 / Works area near Ocean Shores	Resident	Noise	Noise nuisance from LT-TKO Tunnel	Y	The major works conducted were shortcreting mucking out maintaining drilling and unloading. No	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
395	6-Sep-19	31 Aug-19 / Works area near Ocean Shores	District Council Member (Mr. Chan)	Noise	Noise Nuisance during evening and night times	Y	limit level of exceedance in the restricted hours (19:00-23:00) between late August and early September were recorded. The Contractor is recommended to keep following noise mitigation plan to	Closed
394	6-Sep-19	Not specified (Sep-19) / Works area near Ocean Shores	Anonymous	Noise / Operating Hours	Noise nuisance during Evening & occasionally in Night time	Y	minimize noise nuisance. Details should be referred to CIR-N80.	Closed
393	30-Aug-19	30 Aug-19 / Marine works Area	District Council Member (Mr. Chan)	Water	Alleged muddy water discharge	Ν	High rainfall was recorded during period of complaint, therefore muddy water discharge at outfall from upstream and some surface runoff within the site is expected. However, no major silt curtain deficiency was observed during on-site observation and no leakage of muddy water from the marine works area was observed. Details should be referred to CIR-W12.	Closed
392	29-Aug-19	20-27 Aug-19/ Portion 4C	Resident of Bik Lai House, Yau Lai Estate	Noise	Noise nuisance from the operation of heavy machineries and missing of noise mitigation measures at Portion 4C	Y	A noise insulating cover was erected before the period of complaint, however, due to restricted site condition in the relocated breaking works area, the erection of the cover could not be carried out. Nevertheless, movable noise barriers and local semi-enclosure was adopted for breaking works. Details should be referred to CIR-N79.	Closed
391	26-Aug-19	10-Jul-19 / Construction site near Ocean shore	District Council Member (Mr. Chan)	Noise	Operation of construction works during late hours	Y	1 derrick barge was operated during the period of complaint with valid CNP. Regular maintenance and checking should be conducted for all operating barges. Details should be referred to CIR-N78.	Closed
390	26-Aug-19	31-Jul-19 / Construction site near Ocean shore	District Council Member (Mr. Chan)	Noise	Intermittent noise emitted from collision during night-time	Y	The noise source is suspected to be the collision between cofferdam and its broken part as the cofferdam was found damaged next morning. No construction was conducted at night time of 31 July. The contractor is recommended to maintain and check cofferdam regularly. Details should be referred to CIR-N77.	Closed
389	29-Jul-19	17 to 24-Jul-19 / Marine Construction Site near O King Road	Resident of Ocean Shore	Noise	Noise nuisance from the barge operating in reclamation works area near O King Road during evening times.	Y	l derrick barge was operated during the period of complaint with valid CNP. Regular maintenance should be provided for all operating barges. Details shall refer to CIR-N76.	Closed
388	12-Jul-19	8-Jul-19 / Construction Site near Ocean Shores	District Council Member (Mr. Chan)	Noise	Noise nuisance and inadequate noise barrier at the construction site near Ocean shore	Y	Although Contractor has adopted a noise mitigation measure of drill rigs at Portion IV near Ocean Shore such as noise barrier with sound insulating fabric, the existing noise barrier in Portion IX and some in Portion IV are not adequate in screening the direct line of sight to Ocean Shore. Details should be referred to CIR-N75.	Closed
387	12-Jul-19	8 to 12-Jul-19 / Portion 4C of C1 Construction Site	Resident of Bik Lai House	Noise	Breaking noise emitted from the operation of 2 PMEs at Portion 4C during weekday daytime.	Y	Two breakers were operated intermittently at the Portion 4C of C1 construction site during the period of complaint between 07:00 to 19:00. As observed during the site inspection/noise monitoring, movable noise barrier could not completely screen off the direct line-of-sight from PMEs to Yau Lai Estate. Contractor has adopted mitigation measure to minimize the noise impact from breakers including using a noise barrier with noise insulating fabric, adopted a less noisy hydraulic spiting method for breaking works and has been developing a semi-enclosure noise barrier to replace the existing movable noise barrier. Details should be referred to CIR-N74.	Closed
386	10-Jul-19	9 to 10-Jul-19 / Not Specific	District Council Member (Mr. Chan)	Noise	Noise nuisance and disturbance from the TKOLT tunnel construction site involves intermittent noise emitted from collision during night-time.	Y	No construction works was carried out during the time of complaint. Details should be referred to CIR-N73.	Closed
385	4-Jul-19	Late Jun-19 to 4-Jul-19 / Reclamation Area	Resident of Ocean Shore	Noise	The reclamation works continued into the evening during weekdays and works were also operated on Sunday.	Y	See Complaint no 384.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
384	3-Jul-19	3-Jul-19 / Near Ocean Shore	District Council	Noise	The construction site was constantly emitting metallic percussion noise in the early morning.	Y	The concerned metallic percussion noise source was suspected from the collision between the detached sheet pile and the adjacent sheet pile of the broken cofferdam. The detached sheet pile was fixed by re-sealing it to the adjacent sheet pile. Details should be referred to CIR-N72.	Closed
383	29-Jun-19	Jun-19 / Lam Tin Interchange	Resident of Yau Lai Estate, Yung Lai House	Noise	Noise nuisance from construction works during weekday daytime and evening times. Noise barriers was found missing in certain parts of the construction areas.	Y	Some noise mitigation measures were observed during the site inspection including idle equipment were turned off and noise barrier has been erected close to noisy PMEs in the right direction facing Yau Lai Estate. However, the above mitigation measures were not applied to whole construction site such as noise barriers were not placed close enough to the noisy PMEs due to the uneven surface and other inconvenience. Details should be referred to CIR-N71.	Closed
382 (N08/RE/00011 019-19)	17-Jun-19	6-Jun-19 / Cofferdam area	District Council	Air	Dark smoke nuisance from the tug boat inside the cofferdam area.	Ν	During site audit, no violation of the Air Pollution Control (Smoke) Regulation from the construction site was observed by the ET. Air filter has been replaced on derrick barge to reduce the dark smoke emission upon the receipt of the complaint. The Contractor is recommended to replace the air filters regularly. Details should be referred to CIR-A15.	Closed
381 (N08/RE/00015 098-19)	11-Jun-19	1-Jun-19 / Near confferdam	District Council	Water	Muddy water discharge from construction site near the cofferdam area on 4 June 19	Ν	High volume of upstream muddy water was collected due high rainfall according to reports and observation. As a result, the muddy water from upstream was discharged into the Junk Bay via various outfalls in Junk Bay, as observed during the rainstorm events. No sand plume within the cofferdam area and no muddy water discharge at the designated discharge point within the Site was identified during the site inspection and water quality monitoring. Details should be referred to CIR-W11.	Closed
380	11-Jun-19	6-Jun-19 / Near Tong Yin Street	Resident of Ocean Shore	Air	Odour nuisance from construction site near Tong Yin Street	Ν	No oil leakage from mobile crane was observed during the site inspection in June 2019. According to the testing reports, all ULSD fuel applied in the PMEs during the construction period contains sulphur content lower than 0.005% by weight, which complied with the Air Pollution Control (Fuel Restriction) Regulations. Details should be referred to CIR-A14.	Closed
379	11-Jun-19	4-Jun-19 / Near cofferdam area	General Public	Water	Discharge of mud water into Junk Bay from TKOLT construction site	Ν	See Complaint no 381.	Closed
378	11-Jun-19	13-Apr-19 / Near cofferdam area	General Public	Air	Dark smoke nuisance from construction site involves derrick barge operation near cofferdam area (daytime)	Ν	No violation of the Air Pollution Control (Smoke) Regulation was recorded from the construction site was observed. The contractor was recommended to install carbon filter at smoke exhaust of the barge as a more effective mitigation measures. Details should be referred to CIR-C27.	Closed
377	11-Jun-19	2-Jun-19 / Lam Tin Interchange	General Public	Noise	Complaint about the noise nuisance from Lam Tin Interchange construction site in daytime holiday.	Y	Only drilling works inside the tunnel was conducted during daytime under valid CNP. Groundborne noise is considered as the major factor contributing to the noise nuisance, the Contractor are recommended to re-schedule the drilling works inside the tunnel to less sensitive hours. Details should be referred to CIR-N70.	Closed
376	11-Jun-19	9-Jun-19 / Near Yau Lai Estate	Resident of Yau Lai Estate	Noise	Complaint about the noise nuisance near Yau Lai Estate involves vehicle movement (roller) during morning to 15:00 in holiday.	Y	No works involving roller was involved. Only drilling works inside the tunnel and ddismantling of crusher shelter was conducted during Sunday daytime under valid CNP. Groundborne noise is considered as the major factor contributing to the noise nuisance, the Contractor are recommended to re-schedule the drilling works inside the tunnel to less sensitive hours. Details should be referred to CIR-N70.	Closed
375	11-Jun-19	9-Jun-19 / Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complaint about the noise nuisance from Lam Tin Interchange construction site in daytime holiday.	Y	See Complaint no. 376.	Closed
374	4-Jun-19	3-Jun-19 / Near Ping Tin Estate	Resident of Ping Sin House in Ping Tin Estate	Noise	Vibration from the construction of Lam Tin Interchange in evening time at around 20:00	Y	Groundborne noise is considered as the major factor contributing to the noise nuisance. The reverse circulation drilling works may have emitted groundborne noise, however, only 1 unit was used in Portion II. Therefore, blasting is considered as the major cause for the vibration. Details should be referred to CIR-N69.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
373	4-Jun-19	2-Jun-19 / Near ocean Shore	Resident of Ocean Shore	Noise	Complaint about the noise nuisance from the construction site near Ocean Shore and the construction site operation in day time holiday.	Y	No construction activity was conducted at the time of complaint as confirmed by Engineer. Therefore, the noise nuisance was not due to the construction site. Details should be referred to CIR-N68.	Closed
372	4-Jun-19	1-Jun-19 / Near ocean Shore	Resident of Ocean Shore	Others	Complaint about the construction site operation in the early morning on Saturday.	Ν	See Complaint no. 373.	Closed
371	30-May-19	30-May-19 / Near Ocean Shore	Resident of Ocean Shore	Noise	Noise nuisance from construction site near Ocean Shore during night time.	Y	See Complaint no. 373.	Closed
370 (N08/RE/00015 098-19)	29-May-19	19 & 26-May-19 / Near Ocean Shore	Resident of Ocean Shore	Noise	Noise nuisance about dredging mud and loudspeaker in the construction site near Ocean Shore during daytime holiday.	Y	Noise barriers/ Noise absorptive materials have been used to mitigate the noise generated from the construction works. Only walkie-talkies were used for communication in the construction site. Details should be referred to CIR-N67.	Closed
369	13-May-19	Not specific / Lam Tin interchange	Resident of Yau Lai Estate	Noise	Noise nuisance from the blasting work inside tunnel which involves explosion noise impact during midnight	Y	Contractor has adopted a mitigation measure for reduce the blasting noise impact from the tunnel such as blasting doors and did not conduct blasting works during mid-night blasting since mid-May 2019. Details should be referred to CIR-N66.	Closed
368	19-May-19	19-May-19 / Near cofferdam area	General Public	Noise	Noise nuisance from barge with in cofferdam area in daytime holiday	Y	See Investigation / Mitigation Action for complaint no. 361.	Closed
367	5-May-19	5-May-19 / Lam Tin Tunnel - TKO entrance	Resident near Lam Tin Tunnel - TKO entrance	Noise & Air	Noise and air nuisance from construction near Lam Tin Tunnel - TKO entrance	Y	The major works during the period of complaint is scaling by breaker on day time holiday (Sunday). The works is compiled with CNP and no air quality action and noise limit level exceedance during the monitoring. Regarding the existing air quality mitigation measures, the water spray for the breaker was insufficient and the dust emission during unloading of dusty materials was observed. As the review of exiting noise mitigation measure, a broken noise SilentMat was found on the hammer of breaker. According to the above observation, Contractor has adopted serval improvement such as conduct a sufficient water spray during breaking and unloading materials, replaced the noise SilentMat of the breaker and placed the noise barrier between PME and NSRs. Details should be referred to CIR-C29.	Closed
366	4-May-19	4-May-19 / Lam Tin Interchange	Resident of Ping Tin Estate	Noise	Noise nuisance from construction of Lam Tin Interchange in daytime.	Y	Regarding the observation during site inspection, the hammer of the breaker was surrounded by a broken noise absorption material and a noise barrier of a driller was placed in the incorrect direction of NSRs. Contractor has improved the above mitigation measures including replaced the noise absorption materials and relocated the noise barrier to facing the NSRs. Details should be referred to CIR-N65.	Closed
365	1-May-19	1-May-19 / Lam Tin Interchange	Resident of Ping Tin Estate	Noise	Noise nuisance from construction of Lam Tin Interchange in daytime.	Y	See investigation / mitigation actions for Complaint No.366	Closed
364	1-May-19	1-May-19 / Lam Tin Interchange	Resident of Ping Tin Estate	Noise	Noise nuisance from construction of Lam Tin Interchange in daytime	Y	See investigation / mitigation actions for Complaint No.366	Closed
363	30-Apr-19	6th – 22th April -19 / Lam Tin Interchange	Resident of Ping Tin Estate	Noise	Noise nuisance from construction of Lam Tin Interchange in daytime and evening time	Y	See investigation / mitigation actions for Complaint No.366	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
362 (N08/RE/00013 396-19)	8-May-19	7-May-2019 / Junk Bay	District Council	Noise	Noise nuisance from marine works in the Junk Bay in the night-time (06:45)	Y	No marine works in the Junk Bay was conducted as confirmed by RE. No CCTV footage was recorded during the time of complaint. It was suggested that Contractor should conduct 24 hours CCTV monitoring. Details should be referred to CIR-N64.	Closed
361	7-May-19	28 Apr 2019 / Cofferdam Area	General Public	Noise	Noise nuisance from construction site at cofferdam area in holiday	Y	The reclamation works involves barges during the time of complaints has been compiled with the CNP. As review of existing mitigation measure, the sound proofing canvases for the barges were hanged up. Details should be referred to CIR-N63.	Closed
360	2-May-19	27-04-2019/ Construction in Tong Tin Street	General Public	Noise	The complaint about the noise nuisance from cofferdam area during daytime and evening-time.	Y	The light source was found from the lighting of derrick barge within the cofferdam area and the noise source was found from the barge during filling works. Contractor has adopted The sound proofing canvases for the derrick barge was hanged up but no light mitigation measure. Details should be referred to CIR-C28.	Closed
359	30-Apr-19	30-04-2019/ Near Ocean Shore	Resident of Ocean Shore	Noise	The complaint about the noise nuisance involve percussion noise near Ocean Shore during daytime.	Y	See compliant #355.	Closed
358	30-Apr-19	27-04-2019/ Near cofferdam area	General Public	Noise	The complaint about the noise nuisance during evening time.	Y	See compliant #355.	Closed
357	23-Apr-19	20-04-2019/ Near cofferdam area	General Public	Noise	The complaint about the noise nuisance near cofferdam area during daytime.	Y	See compliant #355.	Closed
356	23-Apr-19	19-04-2019/ Near cofferdam area	General Public	Noise	The complaint about the noise nuisance near cofferdam area during holiday.	Y	See compliant #355.	Closed
355	17-Apr-19	17-04-2019/ Near cofferdam area	General Public	Noise & light	The complaint about the noise nuisance and light pollution near cofferdam area during evening- time.	Y	The light source was found from the lighting of derrick barge within the cofferdam area and the noise source was found from the barge during filling works. Contractor has adopted The sound proofing canvases for the derrick barge was hanged up but no light mitigation measure. Details should be referred to CIR-C28.	Closed
354	30-Apr-19	20 Apr 2019 / Cofferdam Area 19 Apr 2019 / Cofferdam Area 15 Apr 2019 / Cofferdam Area 07 Apr 2019 / Cofferdam Area 31 Mar 2019 / Cofferdam Area	Resident of Ocean Shore (Mr. Chan)	Others	The construction site near O King Road is operated in holiday during day-time and weekday during night-time.	Ν	The marine reclamation works at the Portion IX in C2 construction site was the major construction activity during the period of complaints. The concerned reclamation works is compiled with the relevant CNP. Details should be referred to CIR-O2.	Closed
353	13-Apr-19	13-04-2019/Cofferdam Area	Resident of Ocean Shore (Mr. Chan)	Air	According to the complainant, large amount of smoke and exhaust was seen emitting from barges working within the cofferdam	N	See Investigation / Mitigation Action for complaint no. 329.	Closed
352	13-Apr-19	13-04-2019/Cofferdam Area	Resident of Ocean Shore	Noise	The complainant complained about the noise nuisance from the cofferdam area in Tiu Keng Leng during day-time.	Y	The major works during the time of complaints was a crawler crane unloading H piles to the Portion V of C2 construction site. Noise barriers were erected between the crane and NSRs to reduce noise.	Closed

						Noise Action		
Complaint	Received	Date/Location of	Complainant	Nature	Details of Complaint	Level	Investigation/ Mitigation Action	Status
No.	Date	Complaint	<b>F</b>		<b>- - -</b>	Exceedance		
					The complainant complained the	LACCOULINCE	impact. Details should be referred to CIR-N62.	Closed
351	13-Apr-19	13-04-2019/Cofferdam	Resident of Ocean	Noise	noise nuisance from the cofferdam	Y	impact. Details should be referred to CIK-N02.	
551	15 1101 15	Area	Shore	ruise	area in Tiu Keng Leng during day-	1		
					time. The complainant complained the			
					dark smoke generation and the			
350	8-Apr-19	07 Apr 2019 /	-	Air &	construction works from the	Ν		Closed
	•	Cofferdam Area in TKO		Others	cofferdam area in Tiu Keng Leng			
					during holiday.			
		07-04-2019/Cofferdam	Resident of Ocean		Dark smoke generation from the			
349	7-Apr-19	Area	Shore	Air	cofferdam area in Tiu Keng Leng	Ν	See Investigation / Mitigation Action for complaint no. 329.	Closed
					during day-time. The complainant complained the			
348	2-Apr-19	02 Apr 2019 / LTT-	-	Others	LTT construction site was working	Ν		Closed
		ТКО			during holiday.			
		01 Apr 2019 /	Resident of Ocean		Percussive noise from the			
347	1-Apr-19	Cofferdam Area	Shore	Noise	cofferdam area in Tiu Keng Leng	Y		Closed
					during day-time.			
		31st March 2019 /			Complaint about the construction		A tug boat and a derrick barge were operated for the marine reclamation work within the cofferdam	
346	31-Mar-19	Construction of Road	District Council	Others	site operation of Road P2 in day	Ν	area during the time of complaint. As the review of relevant CNP, no violation was observed. Details	Closed
		P2			time holiday		should be referred to CIR-O1.	
345	26 Mar 10	26th March 2019 /	Resident of Park	Maina	Complaint about the noise	Y	See Trunchier ( Ministry Antice for complete as 200	Closed
345	26-Mar-19	Construction of Road D4	Central	Noise	nuisance in day time.	I	See Investigation / Mitigation Action for complaint no. 329.	Closed
					Complaint letter received			
344	28-Mar-19	26th March 2019 / Construction of Road	District Council	Noise	regarding noise nuisance and dark	Y	See Investigation / Mitigation Action for complaint no. 378.	Closed
544	20-11141-19	P2	District Council	Noise	smoke generation from the marine	1	see investigation / whitgation Action for complaint no. 578.	Closed
					barges			
343	25-Mar-19	25th March 2019 / Construction of Road	Resident of Park	Noise	Complaint about the noise nuisance sound like a breaking	Y	See Investigation / Mitigation Action for complaint no. 329.	Closed
515	25 10101 17	D4	Central	ruise	works in day time.	1	see investigation / integration / is complaint no. 525.	closed
					Complaint about the noise			
					nuisance from the construction of			
					Lam Tin Interchange in day time			
					hoilday (Sunday). The noise			
					monitoring was conducted in Hong			
342	25-Mar-19	24th March 2019 / Lam	Resident of Hong	Noise	Nga Court by staff after the	Y	See Investigation / Mitigation Action for complaint no. 330.	Closed
0.12	20 1141 19	Tin Interchange	Nga Court	110150	complaint and the noise level is	-		closed
					result in acceptable level, but the			
					complainant replied that the noise			
					monitoring is meaningless and the noise nuisance is not acceptable			
					for her.			
			Management		Complaint about the noise			
341	24-Mar-19	24th March 2019 / Lam	Section of Hong	Noise	nuisance from Lam Tin Tunnel	Y	See Investigation / Mitigation Action for complaint no. 330.	Closed
		Tin Interchange	Nga Court		construction works in day time.			

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
340	24-Mar-19	24th March 2019 / Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complaint about the noise nuisance from the construction site day time holiday (Sunday).	Y	See Investigation / Mitigation Action for complaint no. 330.	Closed
339	21-Mar-19	21st March 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complaint about the construction noise nuisance involving percussive noise in early morning (07:00)	Y	See Investigation / Mitigation Action for complaint no. 330.	Closed
338	21-Mar-19	21st March 2019 / Construction of Lam Tin Interchange	Resident of Ocean Shore	Noise	Construction noise	Y	See Investigation / Mitigation Action for complaint no. 323.	Closed
337	20-Mar-19	19th March 2019 / Construction of Road D4 and Footbridge between Tiu Keng Leng Sport Centre and Park Central	Resident of Park Central	Noise	Complaint about the noise nuisance from the construction vehicle near Park Central in night time.	Y	See Investigation / Mitigation Action for complaint no. 329.	Closed
336	20-Mar-19	20th March 2019 / Construction of Road P2	Resident of Park Central	Noise & Pest	Complaint about the noise and pest nuisance from the construction site near Park Central in evening time.	Y	See Investigation / Mitigation Action for complaint no. 329.	Closed
335	19-Mar-19	19th March 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Construction noise nuisance from reclamation works near the TKO- LTT reclamation site during the evening time (19:00-23:00).	Y	See Complaint #323.	Closed
334	19-Mar-19	19th March 2019 / Construction of Road P2	District Council	Noise	Construction noise nuisance from the TKO-LTT reclamation site during evening time (after 19:00).	Y	See Complaint #323.	Closed
333	19-Mar-19	18th - 19th March 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Construction noise nuisance from construction noise in evening time (around 20:30).	Y	See Complaint #323.	Closed
332	18-Mar-19	18th March 2019 / Construction of Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complaint about the noise nuisance during day time, evening time and night time.	Y	The construction activities in the complaint dates are complied with CNP. No noise limited level	Closed
331	18-Mar-19	18th March 2019 / Construction of Lam Tin Interchange	Resident of Hong Pak Court	Noise	Complaint about the noise nuisance in night time and the past few days. (Before 07:00)	Y	exceedance was recorded. During the site inspection, no noise barriers were erected between noisy PMEs and NSRs at LTI. Regarding the observation in the inspection, Contractor has adopted an improvement such as placed the noise barriers between the PMEs and NSPs to reduce noise nuisance.	Closed
330	17-Mar-19	17th March 2019 / Construction of Lam Tin Interchange	General Public	Noise	Complaint about the noise nuisance from in night time holiday.	Y	Details should be referred to CIR-N61.	Closed
329	15-Mar-19	15th March 2019 / Construction of Road D4	Resident of Park Central	Noise & Air	Complaint about the noise from the construction works and the odour nuisance involves engine oil from construction machine	Y	The construction activities in the complaint dates are compiled with the CNMP. No noise and air quality limit level exceedance were recorded. Contractor had implemented the mitigation measures for the noise and odour nuisances including acoustic mat was erected between the PME and NSR, ultra-low sulphur diesel was applied as fuel oil in PME and general refuses were disposed properly. Details should be referred to CIR-C26.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
328	14-Mar-19	9th March 2019 / Construction Site of Footbridge between Tiu Keng Leng Sport Centre and Park Central	Resident of Park Central	Noise	Complaint about the noise nuisance involve drilling work in the day time (08:00).	Y	A formation works was conducted in 7 am to 7pm on 9 Mar 2019. No noise limit level exceedance was recorded in the nearest noise monitoring result. However, there was no any adoption of mitigation measure to minimize the noise nuisance from the site. As response the received complaint, the contractor should place the noise barrier between the PMEs and NSR. Details should be referred to CIR-N58.	Closed
327	13-Mar-19	13th March 2019 / Construction of Lam Tin Interchange	Resident of Bik Lai House	Noise	Noise nuisance suspected from the construction works involving chiseling during evening time (22:07).		A handing processed rock at Lam Tin Interchange was conducted on the complaint date in 7 pm to 11 pm involving dump truck and excavator which construction activities was compiled with the CNP. No noise limit level exceedance was record in the evening time monitoring. However, the noise barrier was not placed in the direction of the Yau Lai Estate during breaking works, the contractor had implemented a mitigation measure such as placed the noise barrier to reduce noise level from the breaker but the noise barrier was far from the concerned breaker. Details should be referred to CIR-N59.	Closed
326	13-Mar-19	13th March 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Noise nuisance suspected from marine works near Ocean Shores in the day time (16:30)	Y	See Investigation / Mitigation Action for complaint no. 322.	Closed
325	9-Mar-19	9th March 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complaint about the noise nuisance involve machine and percussive noise in night time (02:00 -03:00).	Y	Only drilling works were conducted inside the tunnel in early morning under valid CNP. Groundborne noise is considered as the factor that contributes to the noise nuisance. The Contractor is recommended to reschedule drilling works to less sensitive hours. Details should be referred to CIR- N56.	Closed
324	7-Mar-19	7th March 2019 / Construction of Lam Tin Interchange	Resident of Hong Pak Court	Noise	Complaint about the noise nuisance involving chiseling noise from the construction site near Hong Pak Court during day time and evening time in the past few months.	Y	Only drilling works were conducted inside the tunnel in early morning and daytime under valid CNP. Groundborne noise is considered as the factor that contributes to the noise nuisance. The Contractor is recommended to reschedule drilling works to less sensitive hours. Details should be referred to CIR- N56.	Closed
323 (EPD- N08/RE/00006 523-19)	4-Mar-19	4th March 2019/ Cofferdam Area	Resident of Ocean Shore	Noise	Construction noise (Evening time)	Y	Only 1 derrick barge and a tug boat was used in the evening time under valid CNP. No Limit Level Exceedances were recorded at Station CM6(A) during evening time. Acoustic mat should be used to screen the engine of the barge to reduce the noise nuisance from the reclamation works. Lubricants should be applied to the barge to reduce the noise emission during barge movement.	Closed
322	13-Mar-19	1st March 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Noise nuisance suspected from a yellow excavator near Ocean Shores in day time (15:44).	Y	No noise limit level exceedance was recorded and the number of operating PMEs complied with the CNMP. The sound proofing canvases were not always adopted as a mitigation measure to screen the noise emitted from the engine of the barge. Contractor should adopt the aforementioned mitigation measures as far as practicable. The contractor was also be recommended to enhance the mitigation measure including frequently checking the noise barriers/sound proofing canvases, frequent checking and repair the gaps or broken acoustic sheets and continue to strictly follow the requirements in the approved CNMP.	Closed
321	28-Feb-19	28th February 2019 / Construction of Lam Tin Interchange	Management Section of Yau Lai Estate	Noise	Construction noise (Night time)	Y	Only drilling works were conducted inside the tunnel in early morning under valid CNP. Groundborne noise is considered as the factor that contributes to the noise nuisance. The Contractor is recommended to reschedule drilling works to less sensitive hours. Details should be referred to CIR- N55.	Closed
320	22-Feb-19	22nd February 2019 / Construction of Lam Tin Interchange	Resident of Hong Pak Court	Noise	Complaint about the noise nuisance involving percussive noise in early morning (Day time). Complainant said the construction should be operated after 08:00.	Y	See Investigation / Mitigation Action for complaint no. 313.	Closed

						Noise Action		
Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Level Exceedance	Investigation/ Mitigation Action	Status
319	21-Feb-19	21st February 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complaint about the noise nuisance involving percussive noise in night time	Y	See Investigation / Mitigation Action for complaint no. 313.	Closed
318	21-Feb-19	21st February 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complaint about the noise nuisance involving percussive noise from the construction in night time	Y	See Investigation / Mitigation Action for complaint no. 313.	Closed
317	25-Feb-19	23th February 2019 / Construction of Road P2	Resident in O King Road	Air	Complained about the odour nuisance of petroleum smell	Ν	See Investigation/ Mitigation Action on Complaint no.294. Details should be referred to CIR-A12.	Closed
316	18-Feb-19	18th February 2019 / Construction of Road P2	Resident in O King Road	Air	Complaint about the dark smoke and odour nuisances	Ν	See Investigation/ Mitigation Action on Complaint no.294. Details should be referred to CIR-A12.	Closed
315	17-Feb-19	15th February 2019 / Construction of Lam Tin Interchange, Road P2 and Tseung Kwan O Interchange	General Public	Noise	Complained about construction noise (Daytime)	Y	The metal wire used for anchoring the barge inside the cofferdam area are the source for the noise nuisance. Ropes were used to replace metal wire to reduce noise nuisance from metal collision while mooring boats. Details should be referred to CIR-N54.	Closed
314	17-Feb-19	16th February 2019 / Construction of Lam Tin Interchange	Resident of Yau Lai Estate	Air	Dust nuisance suspected from the construction works and absence of water spraying near Lam Tin Interchange in daytime.	N	No Air Quality action level or limit level exceedance during the monitoring conducted by ETL. Contractor had implemented mitigation measure to reduce and prevent dust emission including conducted water sprays and covered the cement bags. Details should be referred to CIR-A13.	Closed
313	17-Feb-19	17th February 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Construction noise nuisance from the drilling and breaking works at Branch Tunnel in the morning (Day time)	Y	Breaking and drilling works were conducted during the time of complaint. The breakers were often seen wrapped with acoustic mat, however, they are easily damaged during the breaking works. Noise barrier are more effective in reducing the noise nuisance than the acoustic mat, but the erection of noise barrier are not often adopted properly to screen the noise from the NSR due to the additional works involved and the landform on site. Groundborne noise could also be a factor contributing to noise nuisance. Details should be referred to CIR-N53.	Closed
312	16-Feb-19	16th February 2019 / Construction of Lam Tin Interchange	District Council	Noise	Complained about the explosion noise (Daytime)	Y	No exceedances were recorded and recommendation were made to further enhance the mitigation measures, such as regularly and reviewing the noise control activities that are being carried out on site regularly to ensure compliance with statutory requirement, provide training for the workers to prevent unnecessary noise disturbance and frequently check and maintain the absorptive lining adhered on blasting doors on a regular basis.	Closed
311	15-Feb-19	15th February 2019 / Construction of Lam Tin Interchange	Public	Noise	Complained about the explosion noise (Daytime)	Y	See Investigation / Mitigation Action for complaint no. 312.	Closed
310	14-Feb-19	14th February 2019 / Construction of Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Construction noise nuisance about the rock handling work at LTI (Daytime)	Y	Dump truck and excavator was used to transfer crushed rocks from the crusher with valid CNP. Additional noise barrier was added at the site boundary near Shun Lai house, Yau Lai Estate to reduce	Closed
309	13-Feb-19	13th February 2019 / Construction of Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Construction noise nuisance about the rock handling work at LTI (evening time)	Y	the direct-line of sight from the NSRs to the site. Details should be referred to the CIR-N51.	Closed
308	13-Feb-19	1th - 13th February 2019 / Construction of works at the TKO-Lam Tin tunnel	Management Section of Kwong Tin Estate	Noise	Complaint about construction noise (Night time)	Y	See Investigation/ Mitigation Action on Complaint no.302. Details should be referred to CIR-N48.	Closed

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Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
307	13-Feb-19	13th February 2019 / Construction at Tsueng Kwan O (C1)	Resident of Ocean Shore	Noise	The complaint about the noise nuisance in day time	Y	Noise nuisance was originated from the beeping noise emitted during vehicle reversing of the loader. The total length of beeping noise should be less than 5 mins. The reverse alarm system is a necessary safety measure that cannot be revoked. Details should be referred to CIR-N50.	Closed
306	13-Feb-19	13th February 2019 / Construction of works at the TKO-Lam Tin tunnel	Resident of Hong Nga Court	Noise	Noise nuisance suspected from the construction works involving chiseling noise in night time	Y	See Investigation/ Mitigation Action on Complaint no.302. Details should be referred to CIR-N48.	Closed
305	12-Feb-19	12th February 2019 / Construction of works at the TKO-Lam Tin tunnel	Resident of Hong Nga Court	Noise	Noise nuisance suspected from the construction works involving chiseling noise in night time.	Y	See Investigation/ Mitigation Action on Complaint no.302. Details should be referred to CIR-N48.	Closed
304	8-Feb-19	8th February 2019 / Construction of Road P2 and Associated Works	Resident of Ocean Shore	Noise	Noise nuisance suspected from marine works near Ocean Shores in the day time	Y	There were two construction activities in the site including dredging and trimming in day time on 8 Feb 2019. Details should be referred to CIR-N49.	Closed
303	2-Feb-19	27th January - 2nd February 2019 / Construction of works at the TKO-Lam Tin tunnel	Resident of Ping Tin Estate	Noise	Noise nuisance suspected from the construction works involving chiseling noise during day time, evening time and night time.	Y	Project-related. The following recommendations were made to further enhance the mitigation measures: Frequent checking and repair the gaps or broken acoustic sheets; Replace any broken SilentMat for wrapping the breaker head; To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively;	Closed
302	2-Feb-19	27th January - 2nd February 2019 / Construction of works at the TKO-Lam Tin tunnel	Resident of Hong Pak Court	Noise	Noise nuisance suspected from the construction works involving chiseling noise during day time	Y	The deployment of Cantilever noise barrier should screen the line-of-sight from sensitive receivers; To continue to strictly follow the requirements in the approved CNMP; To conduct an ad hoc ground-borne noise monitoring with the coordination of the Engineer; and Engineer should monitor the plant and machine to ensure construction activities are in compliance	Closed
301	31 Jan 2019	27th - 31th January 2019 / Construction of Lam Tin Interchange	Management Section of Hong Nga Court	Noise	Noise nuisance suspected from the	Y	See Investigation/ Mitigation Action on Complaint no.290. Details should be referred to CIR-N45.	Closed
300	30 Jan 2019	30th January 2019 / Construction Site of Footbridge between Tiu Keng Leng Sport Centre and Park Central	Resident of Park Central	Noise	Beeping Noise nuisance suspected from the construction works involving mobile crane	Y	See investigation / Mitigation Action for complaint no. 296. Details should be referred to CIR-N47.	Closed
299	30 Jan 2019	27th - 29th January 2019 / Construction Site of Footbridge between Tiu Keng Leng Sport Centre and Park Central	Resident of Park Central	Noise	Beeping Noise nuisance suspected from the construction works involving mobile crane and also suspected from elevation platform	Y	See investigation / Mitigation Action for complaint no. 296. Details should be referred to CIR-N47.	Closed
298	30 Jan 2019	Not specific / Near Po Shun Road	Resident of Park Central	Noise & Air Quality	The dust generation and noise nuisance from the construction site near Po Shun Road	Y	There were several construction activities in the site including the removal of steel mould & scaffolding of bridge deck, erection of scaffolding for staircase and construction of Pour 1 of main deck (GL4-5) during time of complaint. Details should be referred to CIR-C25.	Closed
297	30 Jan 2019	27 <sup>th</sup> - 30th January 2019 / Construction works at TKO-Lam Tin tunnel	Resident of Hong Nga Court	Noise	Noise nuisance suspected from the construction involving chiselling works	Y	See Investigation/ Mitigation Action on Complaint no.290. Details should be referred to CIR-N45.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
296	29 Jan 2019	27th - 29th January 2019 / Construction Site of Footbridge near Tiu Keng Leng Sport Centre.	Resident of Park Central	Noise	Beeping Noise nuisance suspected from the mobile crane at the Footbridge near Park Central Block 6	Y	Project-related. The following recommendations were made to further enhance the mitigation measures: To arrange a signalman instead of mobile crane reversing signal for minimize the beeping noise disturbance; Frequent checking and repair the operating PME; The deployment of Cantilever noise barrier should screen the line-of-sight from sensitive receivers; To continue to strictly follow the requirements in the approved CNMP; To ensure noise barrier and sound proofing canvases wrapped on PME are intact and in good condition.	Closed
295	29 Jan 2019	29th January 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complaint about the noise nuisance from the steel cable wire for anchoring between barge and pier	Y	There was a salvage works for the sunken barge (CS306) in a whole day on 27 Jan, 12 am to 3 pm on 28 Jan and 11:40 am on 29 Jan 2019. Details should be referred to CIR-N46.	Closed
294	29 Jan 2019	29th January 2019 / Construction of Road P2	Resident in O King Road	Air Quality	Complaint about the dark smoke and odour nuisances from barge.	Y	The sulphur content percentage of the adopted diesel fuel was lower than 0.05% which is compiled with the Hong Kong Air Pollution Control (Marine Light Diesel) Regulation, therefore the odour problem should be minimised. Smoke filtering tanks were adopted on deck level of derrick barges to reduce emission of dark smoke and exhaust smell. The situation has improved after the filter has been replaced. Details should be referred to CIR-A12.	Closed
293 (EPD- K15/RE/00003 291-19)	29 Jan 2019	29th January 2019 / Construction of Lam Tin Interchange	Cha Kwo Ling Tsuen	Noise & Air Quality	Complained about construction noise & dust (Day & Night time)	Y	See investigation / Mitigation Action for complaint no. 270. Details should be referred to CIR-C29.	Closed
292	29 Jan 2019	29th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from breaking work.	Y	Project-related. The following recommendations were made to further enhance the mitigation measures: To arrange a signalman instead of mobile crane reversing signal for minimize the beeping noise	Closed
291	29 Jan 2019	29th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Pak Court	Noise	Complained about the construction noise from breaking work.	Y	disturbance; Frequent checking and repair the operating PME; The deployment of Cantilever noise barrier should screen the line-of-sight from sensitive	Closed
290	29 Jan 2019	29th January 2019 / Construction of Lam Tin Interchange	District Council	Noise	Complained about the construction noise from Tunnel Works	Y	receivers; To continue to strictly follow the requirements in the approved CNMP; To ensure noise barrier and sound proofing canvases wrapped on PME are intact and in good	Closed
289 (EPD- N08/RE/00000 859-19)	24 Jan 2019	Early December 2018 - 24-Jan-2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from Tunnel Works	Y	See Investigation/ Mitigation Action on Complaint no.288. Details should be referred to CIR-N44.	Closed
288	18 Jan 2019	18th January 2019 (Non-specific)/ Construction of Road P2	Public	Noise	Complained about the construction noise from Tunnel Works	Y	No major construction works at the concerned night time. There was only salvage operation carried out in 11 pm to 12 pm on 17 Jan 2019. No violation of CNP nor Noise Control Ordinance is found in this regard. Details should be referred to CIR-N44.	Closed

Complaint	Received	Date/Location of	Complainant	Nature	Details of Complaint	Noise Action Level	Investigation/Mitigation Action	Status
No.	Date	Complaint	Complanant	1 (utur t	Details of Complaint	Exceedance		Status
287	17 Jan 2019	17th January 2019 / Construction of Lam Tin Interchange	Resident of Yung Lai House	Noise	Complained about the construction noise from Kam Tin Interchange.	Y	<ul> <li>Project-related.</li> <li>The following recommendations are made to further enhance the mitigation measures: <ul> <li>To regularly check and review the noise control activities that are being carried out on site to ensure compliance with statutory requirement.</li> <li>Machines may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.</li> <li>To provide training for the workers to prevent unnecessary noise disturbance.</li> <li>To provide cantilever barrier to screen the construction noise from the NSRs</li> </ul> </li> </ul>	Closed
286	17 Jan 2019	17th January 2019 / Construction of Road D4	Resident of Park Central	Noise	High frequency machine noise nuisance involving air compressor from the construction site near the Park Central in day time	Ν	See Investigation/ Mitigation Action on Complaint no. 285. The concerned air compressor has been removed on 16 <sup>th</sup> Jan 2019. Details should be referred to CIR-N41.	Closed
285	17 Jan 2019	17th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the construction noise from an air blower/fan with generator near Tiu Keng Leng Sport Centre and Park Central.	N	The concerned air compressor was removed from the construction site since 16 January 2019 afternoon, but the high frequency noise nuisance complaints were received on 17 January 2019. According to the CM8(A) noise monitoring record by environmental team, the other noise source from construction site are beeping noise of the reverse alarm system of the plant. Therefore, the high frequency noise nuisance is considered project related after 16 January 2019. Details should be referred to CIR-N41.	Closed
284	16 Jan 2019	16th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the construction noise from an air compressor near Tiu Keng Leng Sport Centre and Park Central.	Ν	See Investigation/ Mitigation Action on Complaint no. 272. Additional noise barrier was erected around the said air compressor. Details should be referred to CIR-N41.	Closed
283	15 Jan 2019	15th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the construction noise from an air compressor near Tiu Keng Leng Sport Centre and Park Central.	Ν	See Investigation/ Mitigation Action on Complaint no. 272. Additional noise barrier was erected around the said air compressor. Details should be referred to CIR-N41.	Closed
282	15 Jan 2019	15th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the construction noise from an air compressor near Tiu Keng Leng Sport Centre and Park Central.	Ν	See Investigation/ Mitigation Action on Complaint no. 272. Additional noise barrier was erected around the said air compressor. Details should be referred to CIR-N41.	Closed
281	15 Jan 2019	15th January 2019 / Construction of Road D4	Resident of Park Central	Noise	High frequency machine noise nuisance involving air compressor from the construction site near Chui Ling Road roundabout and Tiu Keng Leng Sport Centre in day time.	Ν	See Investigation/ Mitigation Action on Complaint no. 272. Additional noise barrier was erected around the said air compressor. Details should be referred to CIR-N41.	Closed
280	14 Jan 2019	14th January 2019 / Construction of Road D4	Resident of Park Central	Noise	High frequency machine noise nuisance involving air compressor from the construction site near Chui Ling Road roundabout and Tiu Keng Leng Sport Centre in day time.	N	See Investigation/ Mitigation Action on Complaint no. 272. Details should be referred to CIR-N41.	Closed

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Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
279	14 Jan 2019	14th January 2019 / Construction of Road D4	Resident of Park Central	Noise	High frequency machine noise nuisance involving air compressor from the construction site near Tiu Keng Leng Sport Centre in day time Saturday and Holiday (Sunday).	N	See Investigation/ Mitigation Action on Complaint no. 272. Details should be referred to CIR-N41.	Closed
278	12 Jan 2019	12th January 2019 / Construction of Road D4	Resident of Park Central	Noise	High frequency machine noise nuisance involving air compressor from the construction site between Tiu Keng Leng Sport Centre and Park Central in day time	Y	See Investigation/ Mitigation Action on Complaint no. 272. Details should be referred to CIR-N41.	Closed
277	12 Jan 2019	12th January 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the noise from breaking activities.	N	See investigation/ Mitigation Action on Complaint no. 264. Details should be referred to N39.	Closed
276	11 - 12 January 2019	11th - 12th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	The complaints are considered as project-related. The following recommendations were made to further enhance the mitigation measures: Frequent checking and repair the gaps or broken acoustic sheets; Replace any broken SilentMat for wrapping the breaker head; To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively; The deployment of Cantilever noise barrier To continue to strictly follow the requirements in the relevant CNP. To conduct an ad hoc ground-borne noise monitoring with the coordination of the Engineer Engineer should monitor the plant and machine to ensure construction activities are in compliance of CNP. Details can be referred to CIR-N40.	Closed
275	11 Jan 2019	11th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the construction noise from a crane near footbridge between Tiu Keng Leng Sport Centre and Park Central		See Investigation/ Mitigation Action on Complaint no. 272.	Closed
274 (EPD- N08/RE/00001 234-19)	11 Jan 2019	11th January 2019 / Construction of Road D4	Public	Noise	Complaint about the high frequency machine noise nuisance from the construction site of footbridge between Tiu Keng Leng Sport Centre and park Central.	Y	No high-frequency noise was detected near the complaint location, however, the noise similar to description was detected within the renovation works inside Park Central. Details should be referred to complaint no. 272 and CIR-N41.	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
273	10 Jan 2019	10th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	The complaints are considered as project-related. The following recommendations were made to further enhance the mitigation measures: Frequent checking and repair the gaps or broken acoustic sheets; Replace any broken SilentMat for wrapping the breaker head; To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively; The deployment of Cantilever noise barrier To continue to strictly follow the requirements in the relevant CNP. To conduct an ad hoc ground-borne noise monitoring with the coordination of the Engineer Engineer should monitor the plant and machine to ensure construction activities are in compliance of CNP.	Closed
272	8 Jan 2019	8th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complaint about the high frequency machine noise nuisance from the construction site near Park Central in day time.	Y	High frequency noise emitted from an air compressor was suspected. Noise barrier was seen erected. Noise barrier using material with higher absorption coefficient such as mineral wool is recommended. Details should be referred to CIR-N41.	Closed
271	8 Jan 2019	8th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	The complaints are considered as project-related. The following recommendations were made to further enhance the mitigation measures: Frequent checking and repair the gaps or broken acoustic sheets; Replace any broken SilentMat for wrapping the breaker head; To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively; The deployment of Cantilever noise barrier To continue to strictly follow the requirements in the relevant CNP. To conduct an ad hoc ground-borne noise monitoring with the coordination of the Engineer Engineer should monitor the plant and machine to ensure construction activities are in compliance of CNP.	Closed
270 (EPD- K15/RE/00000 691-19)	7 Jan 2019	7th January 2019 / Construction of Lam Tin Interchange	Cha Kwo Ling Tsuen	Noise & Air Quality	Complained about construction noise & dust (Day & Night-time)	Y	Regular noise monitoring results for day time and night time show full compliance of the noise criteria. Air quality monitoring result in all stations show that no adverse air quality impact has been brought about to the nearby sensitive receivers during the time of complain. During Site audit, damaged acoustic material on the breaker was observed. Watering was provided at during rock breaking to avoid dust generation. The Contractor was reminded to deploy noise barrier to screen the line-of-sight from sensitive receiver.	Closed
269	7 Jan 2019	7th January 2019 / Construction of Road D4	Resident of Park Central	Noise	Complained about the night time construction noise near Park Central.	Y	No noticeable high frequency noise was detected from the air compressor and noise barrier was seen erected in the line-of-sight from the NSR to the Air compressor. Refer to CIR-41 for details.	Closed
268	7 Jan 2019	7th January 2019 / Construction of Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the construction noise at Lam Tin Interchange.	Y	No exceedances were record at the nearest monitoring station. The following recommendation were made to further enhance the mitigation measure: Frequent checking and repair the gaps or broken acoustic sheets; Replace any broken Silent Mat for wrapping the breaker head; To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively; The deployment of Cantilever noise barrier should screen the line-of-sight from sensitive receiver; To continue to strictly follow the requirements in the relevant CNP; To conduct an ad hoc ground-borne noise monitoring with the coordination of the	Closed

Agreement No. CE 59/2015(EP)

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Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	<b>Investigation/Mitigation Action</b>	Status
							Engineer; and	
							Engineer should monitor the plant and machine to ensure construction activities are in	
							compliance of CNP.	
267	7 Jan 2019	7th January 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from breaking activities.	Y	Refer to Investigation/ Mitigation Action on Complaint no. 264. Details should be referred to N39.	Closed

Environmental Team for Tseung Kwan O - Lam Tin Tunnel - Design and Construction - Monthly EM&A Report

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
							No exceedances were recorded at the nearest monitoring station, however, the approved location for noise monitoring was located at the podium of Ocean Shores. Due to inaccessibility to private unit, it is not possible to perform monitoring at higher floor. ET will keep approaching Ocean Shore Management Office for impact noise monitoring at higher floor. The recommendations for Contractor is as follows:	
266	7 Jan 2019	7th January 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from breaking activities.	Y	<ul> <li>only well-maintained plant on-site and plant should be serviced regularly during the construction program;</li> </ul>	Closed
		r2					<ul> <li>Plants known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby noise sensitive receivers;</li> </ul>	
							Machines and plants that may be in intermittent use should be shut down between works periods or should be throttled down to minimum.	
							No exceedances were record at the nearest monitoring station. The following recommendation were made to further enhance the mitigation measure:	
							Frequent checking and repair the gaps or broken acoustic sheets;	
							Replace any broken Silent Mat for wrapping the breaker head;	
							To adopt Cantilever noise barriers at Lam Tin Interchange to screen noise effectively;	
265	7 Jan 2019	7th January 2019 / Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	The deployment of Cantilever noise barrier should screen the line-of-sight from sensitive receiver;	Closed
		Thi interentinge					To continue to strictly follow the requirements in the relevant CNP;	
							To conduct an ad hoc ground-borne noise monitoring with the coordination of the	
							Engineer; and	
							Engineer should monitor the plant and machine to ensure construction activities are in	
							compliance of CNP.	
264	2nd January 2019	2nd January 2019 / Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from breaking activities.	Y	No noise limit level exceedance was recorded at the noise monitoring stations near ocean shores. The contractor has applied lubricants to the joint of the excavators to dampen the noise emitted from the PMEs. The contractor is recommended to use noise barriers to screen the PMEs from the NSRs as per the Noise mitigation plan.	Closed
263 (EPD-)	1st January 2019	31st December 2018 / Coastal near TKO cemetery	General Public	Water	Complained concerning oil leakage/ on the sea surface near the sunken barge at C2 site.	N	Oil leakage happened due to the derrick lighter was submerged to the sea within the cofferdam. As the oil leakage was found outside the cofferdam during site inspection, there was a gap in the cofferdam. The oil leakage was cleaned up and the floating oil absorber has been used to surround the cofferdam by Contractor. The Contractor are reminded to1) regular check if the site vessels and cofferdam are in good-condition; 2) To regular monitor the operation of any activities in the cofferdam area; 3) To implement the proposed site vessels safety and the emergency responses including clearance measures. Details of the investigation should be referred to CIR-W10.	Closed
262	30 Dec 2018	26 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Resident of Hong Pak Court	Noise	Complained about the construction noise from tunnel works of Lam Tin Interchange.	Y	Refer to investigation for complaint no. 254	Closed
261	26 Dec 2018	26 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Management Section of Hong Nga Court	Noise	Complained about the construction noise from tunnel works of Lam Tin Interchange.	Y	Refer to investigation for complaint no. 254	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/ Mitigation Action	Status
260	26 Dec 2018	26 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise of Lam Tin Interchange.	Y	Refer to investigation for complaint no. 254	Closed
259	26 Dec 2018	26 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Management Section of Hong Nga Court	Noise	Complained about the construction noise of Lam Tin Interchange.	Y	Refer to investigation for complaint no. 254	Closed
258 258							There was no major construction works at the concerned area during the time of complaint and confirmed by the Resident Engineer. Steel cable wire for anchoring between barge and pier is considered as a possible noise source. The complaint is considered project related.	
258							Mitigation measures:	
258	18 Dec 2018	18 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Engineering Section of Ocean Shore	Noise	Complained about the construction noise from the marine works.	Y	Cable wire for anchoring between barge and pier has been replaced by rope between 27 Dec and 2 Jan to reduce noise impact. In addition, other good site practices recommended in the "Implementation Schedule of Proposed Mitigation Measures" of EM&A Manual and the approved CNMP of this Contract had been implemented by the Contractor, including the following:	Closed
258							Y Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program;	
258							Y Plants known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby noise sensitive receivers;	
258							Y Machines and plants that may be in intermittent use should be shut down between works periods or should be throttled down to minimum.	
257	18 Dec 2018	18 <sup>th</sup> December 2018/ Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from the marine works.	Y	There was no major construction works at the concerned area during the time of complaint and confirmed by the Resident Engineer. Steel cable wire for anchoring between barge and pier is considered as a possible noise source. The Contractor has replaced the cable wire for anchoring between barge and pier with ropes between 27 Dec and 2 Jan to reduce noise impact.	Closed
							No exceedance was recorded in the noise monitoring result. The number of PME operated in LTI was consistent with the proposed Construction Noise mitigation Plan (CNMP)	
256	17 Dec 2018	15 <sup>th</sup> December 2018/ Construction of Road P2	Resident of Ocean Shore	Noise	Complained about the construction noise from breaking and piling activities	Ν	The following recommendations were made for the Contractor to enhance the mitigation measures: Ÿ To frequently check and repair operating PME if any loosen or worn parts of the equipment to reduce excessive noise disturbance; Ŷ Noise barriers should be designed and erected around the noise sources to block the direct line-of- sight from the NSR as per the CNMP; To ensure all erected noise barriers and sound proofing canvases wrapped on PME are intact and in good condition.	Closed
254	16 Dec 2018	16 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	Y The night-time works were only conducted inside the tunnels with valid CNP. The noise nuisances are not considered as air-borne in nature, but ground-borne noise. 2.17 In order to confirm the possible ground-borne nature of the noise nuisances for complaints summarized in this report, CEDD has engaged the environmental team to conduct ad hoc ground-borne noise monitoring with the coordination of the Engineer. The findings will be provided in a separate report for the ad hoc monitoring.	Closed
253	15 Dec 2018	15 <sup>th</sup> December 2018/ Construction of Lam Tin Interchange	Resident of Hong Nga Court	Noise	Complained about the construction noise from Tunnel Works	Y	Refer to the investigation for complaint no. 254	Closed

Complaint No.	Received Date	Date/Location of Complaint	Complainant	Nature	Details of Complaint	Noise Action Level Exceedance	Investigation/Mitigation Action	Status
		30 <sup>th</sup> November 2018/			Complained about the construction	LACCOUNCE	The number of PMEs operated on site and on-time percentage from 19 to 30 November complied with the CNMP, thus, no violation was identified. Based on the noise and air monitoring results in November 2018, no Limit Level Exceedance was recorded.	
252	30 Nov 2018	30 November 2018/ Construction of Road	Resident of Park	Noise &	noise and dust resuspension in	Y	Mitigation Measures	Closed
		D4	Central	Air	Road D4.		Ÿ A more effective acoustic barrier was erected between the drill rig and Park Central.	
							Ÿ Frequent water spraying along the Po Yap Road for eight times a day,	
							Stockpile are covered with impervious material to avoid dust resuspension	
251		27 <sup>th</sup> November 2018/					The complaint lodged on 25 <sup>th</sup> November 2018 is considered as non-project related, as no works was conducted on that day.	
251	28 Nov 2018	Construction of TKO	Public	Noise	Complained about the construction noise from the marine works.	Y	The complaint on 27th November 2018 is considered project related. The contractor is reminded to 1)	Closed
		portal			noise from the marine works.		frequently check and repair operating PME if any loosen or worn parts of the equipment to reduce excessive noise disturbance; 2) Ensure no further use of PA system for marine	
251							works.	
250	26 Nov 2018	26 <sup>th</sup> November 2018/ Public sea in TKO	Resident of Ocean Shore	Noise	Complained about the noise nuisance from the operation of derrick barge on Sunday.	Y	Refer to the investigation for complaint no. 251	Closed
249	25 Nov 2018	20 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the noise nuisance from the Excavators in LTI on Sunday morning.	Y	Refer to the investigation for complaint no. 251	Closed
248	20 Nov 2018	20 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the noise nuisance during transfer of material in evening time at LTI	Y	Regular noise monitoring results for restricted and non-restricted hours show full compliance of the noise criteria (night-time noise exceedance is considered non-project related). The contractor is reminded to adopt cantilever noise barriers at Lam Tin Interchange to screen noise effectively by screening the line-of-sight from sensitive receivers	Closed
247	20 Nov 2018	19 <sup>th</sup> November 2018/ Lam Tin Interchange	Public	Noise	Complained about the noise nuisance from rock dropping during evening time	Y	Refer to the investigation for complaint no. 248	Closed
246	19 Nov 2018	19 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the noise nuisance from dump truck in evening time	Y	Refer to the investigation for complaint no. 248	Closed
245	8 Nov 2018	8 <sup>th</sup> November 2018/ Lam Tin Interchange	Public	Noise	Complained about construction noise during night time from LTI	Y	Refer to the investigation for complaint no. 248	Closed
243	8 Nov 2018	8 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the construction noise during evening time from LTI.	Y	Refer to the investigation for complaint no. 248	Closed
242	7 Nov 2018	7 <sup>th</sup> November 2018/ Lam Tin Interchange	Public	Noise	Complained about the construction noise and dust nuisance.	Y	Refer to the investigation for complaint no. 248	Closed
241	6 Nov 2018	6 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the noise nuisance from LTI during evening time	Y	Refer to the investigation for complaint no. 248	Closed
240	6 Nov 2018	6 <sup>th</sup> November 2018/ Lam Tin Interchange	Resident of Yau Lai Estate	Noise	Complained about the noise nuisance from LTI during evening time	Y	Refer to the investigation for complaint no. 248	Closed

## Appendix L - Cumulative Log for Complaints, Notifications of Summons and Successful Prosecutions <u>Table L2 - Summary of Cumulative Complaint Log for Tseung Kwan O - Lam Tin Tunnel</u>

Reporting Month/Year	Number of Complaints in Reporting Month	Number of Summons in Reporting Month	Number of Prosecutions in Reporting Month
2016	11	0	0
2017	99	1	0
2018	150	0	1
2019	156	0	0
2020	88	0	0
2021	87	0	0
Jan-22	4	0	0
Feb-22	5	0	0
Mar-22	4	0	0
Apr-22	11	0	0
May-22	7	0	0
Jun-22	2	0	0
Jul-22	4	0	0
Total	628	1	1

#### Table L3 - Cumulative Log for Notifications of Summons

Contract No.	Log Ref.	Date/Location	Subject	Status	Total no. Received in this Reporting Month	Total no. Received since project commencement
NE/2015/01						
NE/2015/02	KTS24138/2017	25 June 2017/ Marine construction site at Junk Bay	Contrary to: Sections 6 (1) (b) and 6 (5), Noise Control Ordinance, Cap.400	The Summon was issued on 22 Dec 2017 First hearing on 29/3/2018	1	1
NE/2015/03						
NE/2017/01						
NE/2017/02						
NE/2017/06						
NE/2017/07						

# Table L4 - Cumulative Log for Successful Prosecutions

Contract No.	Log Ref.	Date/Location	Subject	Status	Total no. Received in this reporting month	Total no. Received since project commencement
NE/2015/01		-				-
NE/2015/02	KTS24138/2017	25 June 2017/ Marine construction site at Junk Bay	Contrary to: Sections 6 (1) (b) and 6 (5), Noise Control Ordinance, Cap.400	Successful prosecution to the subcontractor on 27 June 2018	1	1
NE/2015/03						
NE/2017/01						
NE/2017/02						
NE/2017/06						
NE/2017/07						

APPENDIX M SUMMARY TABLE FOR MAJOR SITE ACTIVITIES UNDERTAKEN IN THE REPORTING QUARTER

Contract	Site Area		Site Activities	
		May 2022	June 2022	July 2022
NE/2015/01 -	Lam Tin	1) EHC2 U-Trough & Noise Enclosure	1) EHC2 U-Trough & Noise Enclosure	1) EHC2 U-Trough & Noise Enclosure
Tseung Kwan O - Lam Tin Tunnel -	Interchange	2) EHC7 U-Trough	2) EHC7 U-Trough	2) EHC7 U-Trough
Main Tunnel and		3) Site Formation – Area 1G1, Area 1G2, Area	3) Site Formation – Area 1G1, Area 1G2, Area 2	3) Site Formation – Area 1G1, Area 1G2,
Associated Works		2 & Area 5	& Area 5	Area 2 & Area 5
		4) Site Formation – Slope stabilization &	4) Site Formation – Slope stabilization &	4) Site Formation – Slope stabilization &
		Retaining Wall	Retaining Wall	Retaining Wall
		5) Administration Building, West Ventilation	5) Administration Building, West Ventilation	5) Administration Building, West Ventilation
		Building & Bridge Construction	Building & Bridge Construction	Building & Bridge Construction
		6) Emergency Stormwater Storage Tank and	6) Emergency Stormwater Storage Tank and	6) Emergency Stormwater Storage Tank and
		Stormwater Pumping Station	Stormwater Pumping Station	Stormwater Pumping Station
		7) Sewage Pumping Station	7) Sewage Pumping Station	7) Sewage Pumping Station
		8) S01_2, EHC1&4 Construction	8) S01_2, EHC1&4 Construction	8) S01_2, EHC1&4 Construction
		9) CKLR Underground Utilities	9) CKLR Underground Utilities	9) CKLR Underground Utilities
		10) Underpass S01	10) Underpass S01	10) Underpass S01
		11) Landscape Deck & Noise Cover	11) Landscape Deck & Noise Cover	11) Landscape Deck & Noise Cover
		12) LTI Drainage	12) LTI Drainage	12) LTI Drainage
		13) Road EHC4 Site Formation Works	13) Road EHC4 Site Formation Works	13) Road EHC4 Site Formation Works and
				Noise Enclosure
	Main	1) Main Tunnel Lining Works	1) Main Tunnel Lining Works	1) Main Tunnel Lining Works
	Tunnel	2) Branch Tunnel Lining Works	2) Branch Tunnel Lining Works	2) Branch Tunnel Lining Works
		3) Profile Barrier / VE Panel	3) Profile Barrier / VE Panel	3) Profile Barrier / VE Panel
		4) S02_2 Excavation & Lining	4) S02_2 Excavation & Lining	4) S02_2 Excavation & Lining
		5) Tunnel E&M Works	5) Tunnel E&M Works	5) Tunnel E&M Works
	ТКО	1) Bridge Construction	1) Bridge Construction	1) East Ventilation Building

	Interchange	2) East Ventilation Building	2) East Ventilation Building	2)	Underground Utilities / Drainage Works
		3) Underground Utilities / Drainage Works	3) Underground Utilities / Drainage Works	3)	Slope stabilization works
		4) Slope stabilization works	4) Slope stabilization works		
NE/2015/02 – Tseung Kwan	General	1) Sloping seawall construction	1) Sloping seawall construction	1)	Sloping seawall construction
O – Lam Tin		2) Construction of U-trough at CH821 – CH105	2) Construction of U-trough at CH821 – CH105	2)	Construction of U-trough at CH821 -
Tunnel – Road P2		3) Construction of Underpass at CH105 –	3) Construction of Underpass at CH105 –		CH105
and Associated Works		CH318	CH318	3)	Construction of Underpass at CH105 -
		4) Construction of seawall coping	4) Construction of seawall coping		CH318
		5) Construction of road P2 and SR2	5) Construction of road P2 and SR2	4)	Construction of seawall coping
		6) Backfilling at U-Trough A S200/300/400	6) Backfilling at U-Trough A S200/300/400	5)	Construction of road P2 and SR2
		7) Asphalt laying	7) Asphalt laying	6)	Backfilling at U-Trough A S200/300/400
				7)	Asphalt laying
O – Lam Tin Tunnel – Northern Footbridge					
NE/2017/01 -	General	1) Installation of Movement Joints	1) Installation of Movement Joints	1)	Installation of Movement Joints
Tseung Kwan O – Lam Tin		2) Defects Rectification	2) Defects Rectification	2)	Defects Rectification
Tunnel – Tseung		3) Waterproofing and Asphalt Pavement Site	3) Steel steps and staircase installation	3)	Steel steps and staircase installation
Kwan O Interchange and		Trial	4) Installation of Railing	4)	Installation of Railing
Associated Works		4) Installation of Railing		5)	Utility trough concrete cover installation
NE/2017/02 -	General	1) Inspection pit excavation and utility diversion	works		
Tseung Kwan O – Lam Tin		2) Construction of drainage and watermain			
Tunnel – Road		3) Asphalt Paving			
P2/D4 and Associated		4) Pier, Staircase and Lift Shalt Construction			
Works		5) Road Works			
NE/2017/06 -	General	1) Goods arrival & storage on site	1) Installation works at bridge	1)	Installation works at bridge
Tseung Kwan O – Lam Tin		2) Installation works inside WVB & EVB	<ol> <li>Goods arrival &amp; storage on site</li> </ol>	2)	-
		, , , , , , , , , , , , , , , , , , ,		L	6

Tunnel – Traffic		3)	Installation works at Bridge	3)	Installation works inside WVB & EVB	3)	Installation works inside WVB & EVB
Control and		4)	Relocation to new site office	4)	Installation works at Bridge	4)	Installation works at Bridge
Surveillance System(TCSS)		7)	Refocation to new site office	5)	Relocation to new site office	5)	Relocation to new site office
and Associated				5)	Relocation to new site office	5)	Relocation to new site office
Works	Const						
NE/2017/07 - Cross Bay Link,	General	1)	Precast shell fabrication with 17 out of	1)	Precast shell fabrication with 17 out of	1)	Precast shell fabrication with 17 out of
Tseung Kwan			17nos. had completed for Portion I		17nos. had completed for Portion I		17nos. had completed for Portion I
O – Main Bridge and Associated		2)	Precast Segment Fabrication with 236 out of	2)	Precast Segment Fabrication with 236 out of	2)	Precast Segment Fabrication with 236 out
Works			236 nos.		236 nos.		of 236 nos.
		3)	Precast pier fabrication with 17 out of 17 nos	3)	Precast pier fabrication with 17 out of 17 nos	3)	Precast pier fabrication with 17 out of 17
			in Portion I.		in Portion I.		nos in Portion I.
		4)	Predrilling Work at Portion I had completed	4)	Predrilling Work at Portion I had completed	4)	Predrilling Work at Portion I had
			with 35 out of 35 nos.		with 35 out of 35 nos.		completed with 35 out of 35 nos.
		5)	Piling work at Portion I had completed with	5)	Piling work at Portion I had completed with	5)	Piling work at Portion I had completed
			35 out of 35 nos.		35 out of 35 nos.		with 35 out of 35 nos.
		6)	Precast Shell Installation with 17 out of 17	6)	Precast Shell Installation with 17 out of 17	6)	Precast Shell Installation with 17 out of
			nos. had completed at portion II		nos. had completed at portion II		17 nos. had completed at portion II
		7)	Erection for bridge segment for main bridge	7)	Erection for bridge segment for main bridge	7)	Erection for bridge segment for main
			at Portion I completed. 33.3% of Bridge		at Portion I completed. 100% of Bridge S200		bridge at Portion I completed. 100% of
			S200 completed; 50% of Bridge S400 &		completed; 100% of Bridge S400 & Bridge		Bridge S200 completed; 100% of Bridge
			Bridge CT completed.		CT completed.		S400 & Bridge CT completed.
		8)	E&M Work and External Work at Portion V	8)	E&M Work and External Work at Portion V	8)	E&M Work and External Work at Portion
			Plant Room Building in progress		Plant Room Building in progress		V Plant Room Building in progress
		9)	Touch up paining and painting of east and	9)	E&M Cable Tray installation & maintenance	9)	Touch up paining and painting of east and
			west side spans ring weld in progress	-	lighting in progress;		west side spans ring weld in progress
		10)	Welding of L3 parapet base plate on steel	10)	Touch up paining and painting of east and	10)	) Welding of L3 parapet base plate on steel
		-7	bridge		west side spans ring weld in progress	- )	bridge completed
		11)	Waterproofing works for division area,	11)	Welding of L3 parapet base plate on steel	11)	) Waterproofing works for division area,
		11)				11)	
			footpath area and cycle track area.		bridge		footpath area and cycle track area in

12) Construction of steel-concrete transition zone	12) Waterproofing works for division area,	progress
in Portion II	footpath area and cycle track area.	12) Construction of steel-concrete transition
13) Top, transverse, bottom and external tension	13) Construction of steel-concrete transition zone	zone in Portion II completed
at Portion II	in Portion II	13) Top, transverse, bottom and external
14) Construction of long stitching and planter	14) Top, transverse, bottom and external tension	tension at Portion II completed
wall at Portion II	at Portion II	14) Construction of long stitching and planter
15) Installation of ducting at Portion II.	15) Construction of long stitching and planter	wall almost completed at Portion II
	wall almost completed at Portion II	15) Installation of sign gantries completed at
	16) Installation of sign gantries completed at	Portion II and in progress at Portion I.
	Portion II and in progress at Portion I.	16) Installation of sign gantries completed.
		17) Mastic asphalt pavement for cycle track
		and footpath completed and for
		carriageway in progress.

APPENDIX N EVENT AND ACTION PLANS

### Event and Action Plan for Air Quality (Dust)

		ACTION						
EVENT	ET	IEC	ER	CONTRACTOR				
Action level being exceeded by one sampling	<ol> <li>Identify source, investigate the causes of complaint and propose remedial measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol>				
Action level being exceeded by two or more consecutive sampling	<ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with IEC and ER;</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ET on the effectiveness of the proposed remedial measures;</li> <li>Supervise Implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Submit proposals for remedial actions to IEC within three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>				

	ACTION									
EVENT	ET	IEC	ER	CONTRACTOR						
	8. If exceedance stops, cease additional monitoring.									
Limit level being exceeded by one sampling	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform Contractor ,IEC, ER, and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>						
Limit level being exceeded by two or more consecutive sampling	<ol> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> </ol>	<ol> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within three working days of notification;</li> <li>Implement the agreed proposals;</li> </ol>						

			AC	Ň		
EVENT		ET	IEC	ER	CONTRACTOR	
	5.	Carry out analysis of Contractor's	3. Supervise the implementation of	4.	Ensure remedial measures	4. Resubmit proposals if problem still
		working procedures to determine	remedial measures.		properly implemented;	not under control;
		possible mitigation to be		5.	If exceedance continues, consider	5. Stop the relevant portion of works
		implemented;			what portion of the work is	as determined by the ER until the
	6.	Arrange meeting with IEC and			responsible and instruct the	exceedance is abated.
		ER to discuss the remedial actions			Contractor to stop that portion of	
		to be taken;			work until the exceedance is	
	7.	Assess effectiveness of			abated.	
		Contractor's remedial actions and				
		keep IEC, EPD and ER informed				
		of the results;				
	8.	If exceedance stops, cease				
		additional monitoring.				

### Event and Action Plan for Construction Noise

EVENT	ACTION											
	ET	IEC	ER	CONTRACTOR								
Action	1. Notify IEC and Contracto	r; 1. Review the analysed results	1. Confirm receipt of notification of	1. Submit noise mitigation proposals to								
Level	2. Carry out investigation;	submitted by the ET;	failure in writing;	IEC;								
	3. Report the results of invest	stigation to 2. Review the proposed remedial	2. Notify Contractor;	2. Implement noise mitigation proposals.								
	the IEC, ER and Contracto	r; measures by the Contractor and	3. Require Contractor to propose									
	4. Discuss with the Contract	or and advise the ER accordingly;	remedial measures for the analysed									
	formulate remedial measur	es; 3. Supervise the implementation of	noise problem;									
	5. Increase monitoring frequ	ency to remedial measures.	4. Ensure remedial measures are									
	check mitigation effectiver	ness.	properly implemented.									
Limit	1. Identify source;	1. Discuss amongst ER, ET, and	1. Confirm receipt of notification of	1. Take immediate action to avoid								
Level	2. Inform IEC, ER, EPD and	Contractor on the potential remedial	failure in writing;	further exceedance;								
	Contractor;	actions;	2. Notify Contractor;	2. Submit proposals for remedial								
	3. Repeat measurements to c	confirm 2. Review Contractors remedial actions	3. Require Contractor to propose	actions to IEC within 3 working								
	findings;	whenever necessary to assure their	remedial measures for the analysed	days of notification;								
	4. Increase monitoring frequ	ency; effectiveness and advise the ER	noise problem;	3. Implement the agreed proposals;								
	5. Carry out analysis of Con	tractor's accordingly;	4. Ensure remedial measures properly	4. Resubmit proposals if problem still								
	working procedures to dete	ermine 3. Supervise the implementation of	implemented;	not under control;								
	possible mitigation to be	remedial measures.	5. If exceedance continues, consider	5. Stop the relevant portion of works as								
	implemented;		what portion of the work is	determined by the ER until the								
	6. Inform IEC, ER and EPD	the causes	responsible and instruct the	exceedance is abated.								
	and actions taken for the		Contractor to stop that portion of									
	exceedances;		work until the exceedance is abated.									

EVENT	ACTION								
	ЕТ	IEC	ER	CONTRACTOR					
	7. Assess effectiveness of Contractor's								
	remedial actions and keep IEC, EPD								
	and ER informed of the results;								
	8. If exceedance stops, cease additional								
	monitoring.								

#### Event and Action Plan for Marine Water Quality

	Action							
Event	ET	IEC	ER	CONTRACTOR				
Action level being exceeded by one sampling day at water sensitive receiver(s)	<ul> <li>Identify the source(s) of impact by comparing the results with those collected at the control stations as appropriate;</li> <li>If exceedance is found to be caused by the reclamation activities, repeat <i>in-situ</i> measurement to confirm findings;</li> <li>Inform IEC and contractor;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>If exceedance occurs at WSD salt water intake, inform WSD;</li> <li>Discuss mitigation measures with IEC and Contractor;</li> <li>Repeat measurement on next day of exceedance.</li> </ul>	<ul> <li>Discuss with ET and Contractor on the mitigation measures;</li> <li>Review proposal on mitigation measures submitted by Contractor and advise the ER accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ul>	<ul> <li>Discuss with IEC on the proposed mitigation measures;</li> <li>Make agreement on the mitigation proposal.</li> </ul>	<ul> <li>Inform the ER and confirm notification of the non-compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Amend working methods if appropriate;</li> <li>Discuss with ET and IEC and propose mitigation measures to IEC and ER;</li> <li>Implement the agree mitigation measures.</li> </ul>				
Action level being	• Identify the source(s) of impact by	• Discuss with ET and Contractor on	• Discuss with IEC on the proposed	• Inform the Engineer and confirm				
exceeded by two or	comparing the results with those collected at the control stations as	the mitigation measures;	<ul><li>mitigation measures;</li><li>Make agreement on the mitigation</li></ul>	notification of the non-compliance in writing;				
more consecutive	appropriate;		proposal;	• Rectify unacceptable practice;				

	Action							
Event	ET	IEC	ER	CONTRACTOR				
sampling days at	• If exceedance is found to be caused	Review proposal on mitigation	• Assess the effectiveness of the	• Check all plant and equipment and				
water sensitive	by the reclamation activities, repeat	measures submitted by Contractor	implemented mitigation measures.	consider changes of working				
receiver(s)	in-situ measurement to confirm	and advise the ER accordingly;		methods;				
	findings;	• Assess the effectiveness of the		• Discuss with ET, IEC and ER and				
	• Inform IEC and contractor;	implemented mitigation measures.		propose mitigation measures to IEC				
	• Check monitoring data, all plant,			and ER within 3 working days;				
	equipment and Contractor's working			• Implement the agreed mitigation				
	methods;			measures.				
	• Discuss mitigation measures with							
	IEC and Contractor;							
	• Ensure mitigation measures are							
	implemented;							
	• Prepare to increase the monitoring							
	frequency to daily;							
	• If exceedance occurs at WSD salt							
	water intake, inform WSD;							
	• Repeat measurement on next day of							
	exceedance.							
Limit level being	• Identify the source(s) of impact by	• Discuss with ET and Contractor on	• Discuss with IEC, ET and	• Inform the ER and confirm				
exceeded by one	comparing the results with those	the mitigation measures;	Contractor on the proposed	notification of the non-compliance in				
sampling day at	collected at the control stations as	Review proposal on mitigation	mitigation measures;	writing;				
water sensitive	appropriate;	measures submitted by Contractor	Request Contractor to critically	• Rectify unacceptable practice;				
receiver(s)		and advise the ER accordingly;	review the working methods;					

	Action							
Event	ET	IEC	ER	CONTRACTOR				
	• If exceedance is found to be caused	• Assess the effectiveness of the	• Make agreement on the mitigation	• Check all plant and equipment and				
	by the reclamation activities,	implemented mitigation measures.	measures to be implemented;	consider changes of working				
	repeat in-situ measurement to		• Assess the effectiveness of the	methods;				
	confirm findings;		implemented mitigation measures.	• Discuss with ET, IEC and ER and				
	• Inform IEC, contractor, AFCD and			submit proposal of mitigation				
	EPD			measures to IEC and ER within 3				
	• Check monitoring data, all plant,			working days of notification;				
	equipment and Contractor's working			• Implement the agreed mitigation				
	methods;			measures.				
	• Discuss mitigation measures with							
	IEC, ER and Contractor;							
	• Ensure mitigation measures are							
	implemented;							
	• Increase the monitoring frequency							
	to daily until no exceedance of Limit							
	level;							
	• If exceedance occurs at WSD salt							
	water intake, inform WSD.							
Limit level being	• Identify the source(s) of impact by	• Discuss with ET and Contractor on	• Discuss with IC(E), ET and	• Inform the ER and confirm				
exceeded by two	comparing the results with those	the mitigation measures;	Contractor on the proposed	notification of the non-compliance in				
or more	collected at the control stations as	Review proposal on mitigation	mitigation measures;	writing;				
consecutive	appropriate;	measures submitted by Contractor	Request Contractor to critically	• Rectify unacceptable practice;				
sampling days at		and advise the ER accordingly;	review the working methods;					

	Action						
Event	ЕТ	IEC	ER	CONTRACTOR			
water sensitive	• If exceedance is found to be caused	Assess the effectiveness of the	• Make agreement on the mitigation	• Check all plant and equipment and			
receiver(s)	by the reclamation activities, repeat	implemented mitigation measures.	measures to be implemented;	consider changes of working			
	in-situ measurement to confirm		• Assess the effectiveness of the	methods;			
	findings;		implemented mitigation measures;	• Discuss with ET, IC(E) and ER and			
	• Inform IC(E), AFCD, contractor		• Consider and instruct, if necessary,	submit proposal of mitigation			
	and EPD;		the Contractor to slow down or to	measures to IC(E) and ER within 3			
	• Check monitoring data, all plant,		stop all or part of the marine work	working days of notification;			
	equipment and Contractor's working		until no exceedance of Limit level.	• Implement the agreed mitigation			
	methods;			measures;			
	• Discuss mitigation measures with			• As directed by the Engineer, to			
	IC(E), ER and Contractor;			slow down or to stop all or part of			
	• Ensure mitigation measures are			the construction activities.			
	implemented;						
	• Increase the monitoring frequency						
	to daily until no exceedance of Limit						
	level for two consecutive days;						
	• If exceedance occurs at WSD salt						
	water intake, inform WSD.						

#### Limit Levels and Action Plan for Landfill Gas

Parameter	Limit Level	Action			
Oxygen	<19%	• Ventilate to restore oxygen to >19%			
	<18%	Stop works			
		• Evacuate personnel/prohibit entry			
		• Increase ventilation to restore oxygen to >19%			
Methane	>10% LEL (i.e.	Prohibit hot works			
	> 0.5% by	• Ventilate to restore methane to <10% LEL			
	volume)				
	>20% LEL (i.e.	Stop works			
	>1% by	• Evacuate personnel / prohibit entry			
	volume)	• Increase ventilation to restore methane to <10%			
		LEL			
Carbon	>0.5%	• Ventilate to restore carbon dioxide to < 0.5%			
Dioxide	>1.5%	Stop works			
		• Evacuate personnel / prohibit entry			
		• Increase ventilation to restore carbon dioxide to <			
		0.5%			

Event	Action								
	ET Leader	IEC	ER	Contractor					
Action	1. Check monitoring data;	1.Discuss monitoring with the ET	1. Discuss with the IEC additional	1. Inform the ER and confirm					
Level		and the Contractor;	monitoring	notification of the non-compliance					
Exceedance	2. Inform the IEC, ER and		requirements and any other	in writing;					
	Contractor of the findings;	2. Review proposals for additional	measures proposed by the ET;						
		Monitoring and any other		2. Discuss with the ET and the IEC					
	3. Increase the monitoring to at	measures submitted by the	2. Make agreement on the	and propose measures to the IEC					
	least once a month to confirm	Contractor and advise the ER	measures to be implemented.	and the ER;					
	findings;	accordingly.							
				3. Implement the agreed measures.					
	4. Propose mitigation								
	measures for consideration								
Limit Level	Undertake Steps 1-4 as in the	1.Discuss monitoring with the ET	1. Discuss with the IEC additional	1. Inform the ER and confirm					
Exceedance	Action Level Exceedance. If	and the Contractor;	monitoring	notification of the non-compliance					
	further exceedance of Limit Level,		requirements and any other	in writing;					
	suspend construction works until	2. Review proposals for additional	measures proposed by the ET;						
	an effective solution is identified.	Monitoring and any other		2. Discuss with the ET and the IEC					
		measures submitted by the	2. Make agreement on the	and propose measures to the IEC					
		Contractor and advise the ER	measures to be implemented.	and the ER;					
		accordingly.							
				3. Implement the agreed measures.					

# **Event and Action Plan for Coral Post-Translocation Monitoring**

#### Mitigation Measures for Vibration Monitoring

Level	Contingency Action				
Alert Level	• The Engineer shall be informed immediately.				
	• The Contractor shall submit an investigation report to describe works being undertaken. To review the instrument responses and to study the cause of undue response.				
	• The Contractor shall review and increase the instrumentation monitoring and reporting frequency, if applicable.				
	• The Contractor shall submit a detailed plan of action describing the measures to be taken should the concerned instrument reach the action level to the Engineer for approval.				
Alarm Level	• The Engineer shall be informed immediately.				
	The active construction works may require to be suspended subject to the Engineer's review of monitoring data.				
	The Contractor shall immediately implement the measures as defined in the detailed plan of action to prevent further ground movement and groundwater drawdown etc.				
	• The Contractor shall prepare a detailed investigation report to study the cause of the exceedance				
	• The Contractor shall propose a contingency plan for the Engineer's approval in the event that alarm value is reached or exceeded				
	• The Contractor shall develop an emergency plan for the Engineer's approval in the event the applied contingency measures cannot control the situation.				
	• The Contractor shall meet the Engineer to discuss the instrument response and review the effectiveness of the implemented measures.				
	• The Contractor shall carry out design review of the works				

Action Level	•	Consideration shall be given to suspend all active construction works and the Engineer shall be informed immediately				
	•	The Contractor shall immediately implement the measures defined in the contingency plan				
	• The Contractor shall implement the measures defined in the emergency plan in the event that the applied contingency measure found inadequate					
	•	The Contractor shall provide a complete report to examine the construction method and review the response of the instruments with full history of the monitoring data and construction activities and necessary design update				
	•	To resume the suspended activities, the Contractor shall demonstrate to the Engineer's satisfaction that it is safe to do so with approval from the Engineer.				

APPENDIX O ECOLOGICAL MONITORING

# **App O – Ecological Monitoring**

Reporting Period: Starting from December 2017

The post-translocation coral monitoring survey were completed in November 2017.

APPENDIX P MONITORING RESULTS FOR POST RECLAMTION MARINE WATER QUALITY MONITORING

### Appendix P Summary of Monitoring Results for Post Reclamation Marine Water Quality Monitoring

monitoring			
Parameter	Depth	Action Level	Limit Level
Dissolved Oxygen (DO)	Surface Depth	Nil <sub>[3]</sub>	Nil <sub>[3]</sub>
in mg/L	Depth Average	4.8 mg/L[4]	4 mg/L[5]
(See Note 1 and 2)	Bottom	2.4 mg/L[4]	2 mg/L[5]

Part I – Review of Action and Limit Levels for Post Reclamation Marine Water Quality Monitoring

Notes:

1. "depth-averaged" is calculated by taking the arithmetic means of reading of all sampling depths.

2. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.

3. No action and limit level is proposed for surface depth in accordance to the approved proposal for post-reclamation marine water quality monitoring..

4. As an alert for adverse water quality impact, the Action Level is set as 120% of the Current WQOs for marine Waters of Hong Kong

5. Current Water Quality Objectives (WQOs) for marine waters of Hong Kong.

Part II – Review of Depth of W2 at the Monitoring Dates and Omitted Monitoring Depths

Date	Depth (m)	Omitted Monitoring Depths
13 May 2022	4.30	
17 Jun 2022	4.00	Depth Average
18 July 2022	4.70	

#### Part III – Review of Monitoring Results for Post Reclamation Marine Water Quality Monitoring at Surface Depth

Date	Depth (m)	DO (mg/L)	DO saturation (%)	Salinity (ppt)	рН	Temperature (°C)
13 May 2022	1.12	5.94	84.0	28.38	8.50	24.7
13 May 2022	1.02	5.81	82.1	28.34	8.51	24.7
17 Jun 2022	1.14	5.98	86.6	29.15	8.19	25.8
17 Jun 2022	1.03	5.96	86.4	29.15	8.17	25.9
18 July 2022	1.07	7.72	114.3	28.4	8.58	27.4
18 July 2022	1.05	7.52	111.2	28.5	8.58	27.3

## Part IV – Review of Monitoring Results for Post Reclamation Marine Water Quality Monitoring at Depth Average

Date		Depth (m)	DO (mg/L)	DO saturation (%)	Salinity (ppt)	рН	Temperature (°C)		
13 May 2	022								
17 Jun 20	)22	Omitted							
18 July 2	022								

## Appendix P Summary of Monitoring Results for Post Reclamation Marine Water Quality Monitoring

Montoring at Dottom Depth											
Date	Depth (m)	DO (mg/L)	DO saturation (%)	Salinity (ppt)	рН	Temperature (°C)					
13 May 2022	3.72	5.02	71.8	30.79	8.45	24.6					
13 May 2022	3.81	5.24	74.9	30.62	8.46	24.6					
17 Jun 2022	3.37	5.26	70.4	31.12	8.18	25.3					
17 Jun 2022	3.36	5.10	74.2	31.06	8.17	25.4					
18 July 2022	3.09	5.19	75.7	29.94	8.49	25.9					
18 July 2022	2.95	5.53	81.1	29.30	8.49	26.4					

Part V – Review of Monitoring Results for Post Reclamation Marine Water Quality Monitoring at Bottom Depth

#### **Part VI – Short Summary**

No action or limit level of DO in mg/L was recorded in the reporting quarter.