MOTT MACDONALD



Agreement No. CE 64/2020 (EP) Environmental Team for Tung Chung New Town Extension (West) – Design and Construction

Monthly Environmental Monitoring & Audit Report for September 2026

October 2026

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土木工程拓展署
Civil Engineering and Development Department

MOTT MACDONALD

Environmental Permit No. EP-519/2016

Tung Chung New Town Extension (West)

Environmental Team Leader Certification

Reference Document/Plan

Document to be Certified:	Monthly Environmental Monitoring and Audit Report for September 2026
Date of Document:	October 2026
Date received by ETL:	14 October 2026

Reference EP Condition

Environmental Permit Condition: 3.5 & 4.1

Email from EPD dated 29 September 2022

The Permit Holder shall submit 1 hard copy and 1 electronic copy of Monthly EM&A Reports for the construction stage of the Project to the Director, within 2 weeks after the end of the reporting month. The monthly EM&A Reports shall include an executive summary of all environmental audit results, together with actions taken in the event of non-compliance (exceedances) of the environmental quality performance limits (Action and Limit Levels), complaints received and emergency events relating to violation of environmental legislation (such as illegal dumping and landfilling). The submissions shall be certified by the ET Leader and verified by the IEC as having complied with the requirements as set out in the updated EM&A Manual before submission to the Director. Additional copies of the Monthly EM&A Reports shall be provided upon request by the Director.

ETL Certification

I hereby certify that the above reference document/plan complies with the above referenced condition of EP-519/2016.



Daniel Sum

Environmental Team Leader Date: 14 October 2026

Your Ref.

By Post

Our Ref. 198377-1282

Date 14 October 2026

South Development and Sustainable Lantau Office
Civil Engineering and Development Department
13/F, North Point Government Offices
333 Java Road, North Point
Hong Kong

Attention: Mr. Ryan CHAK / Ms. Carol LAM

Dear Sir / Madam,

Agreement No. CE 59/2017 (EP)
Independent Environmental Checker for Tung Chung New Town Extension – Investigation
Monthly Environmental Monitoring & Audit Report for September 2026 for TCW

We refer to the Monthly Environmental Monitoring & Audit Report for September 2026 for Tung Chung New Town Extension (West) (TCW) dated October 2026 and certified by the Environmental Team (ET) Leader of TCW on 14 October 2026. Please note the submission is hereby verified, in accordance with the requirement stipulated in Condition 3.5 of EP-519/2016.

Should you have any query, please feel free to contact the undersigned at 2608 7314 (chuawo@binnies.com) or our Edward Lau at 3894 9695 (lauky@binnies.com).

Yours faithfully,
for and on behalf of
BINNIES HONG KONG LIMITED

MANUEL CHUA
INDEPENDENT ENVIRONMENTAL CHECKER

cc: ET Leader / TCW – Mott (Attn: Mr. Daniel SUM) [by Email: daniel.sum@mottmac.com]
PM / TCW – Arup (Attn: Mr. Jackson WONG) [by Email: jackson.wong@tcw.c561011.hk]

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BIM PROJECT VERIFICATION ISO 19650 SGS

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Executive summary

Tung Chung New Town Extension (TCNTE) is one of the major initiatives under the Government's multi-pronged approach to increase land supply to meet Hong Kong's medium- to long-term needs for housing, economic and social developments. The Environmental Impact Assessment (EIA) Report for TCNTE (Register No. AEIAR-196/2016) was approved on 8 April 2016 and the Environmental Permit (EP) No. EP-519/2016, covering the construction and operation of TCNTE, was granted on 9 August 2016. The EIA Report and EP cover both Tung Chung East (TCE) and Tung Chung West (TCW, hereafter referred to as "the Project").

Civil Engineering and Development Department (CEDD) commissioned Mott MacDonald Hong Kong Limited (MMHK) to undertake the role of Environmental Team (ET) for carrying out the Environmental Monitoring & Audit (EM&A) works during the construction phase of the Project in accordance with the requirements specified in the EP, Updated EM&A Manual (the Manual), EIA Report of the Project – i.e., Tung Chung New Town Extension (TCNTE) development in Tung Chung West (TCW) and other relevant statutory requirements.

This EM&A Report summarises the monitoring results and audit findings of the EM&A programme undertaken for the TCW Project during the reporting period from 1 to 30 September 2026 in accordance with the Manual. A summary of the monitoring and audit activities conducted in the reporting period is listed as below.

Summary of Monitoring and Audit Activities in the Reporting Period

Parameter	Number of Sessions
Air Quality Monitoring	5 sessions
Noise Monitoring	5 sessions
Water Quality Monitoring	13 sessions
Ecological Monitoring	1 session
Environmental Site Inspection	Contract No. NL/2020/05 ("Contract 5"): 5 sessions Contract No. NL/2020/06 ("Contract 6"): 5 sessions Contract No. NL/2023/10 ("Contract 10"): 5 sessions Contract No. NL/2023/11 ("Contract 11"): 5 sessions Entrustment Agreement No. ENT/TUE/001 ("Entrusted Works"): 4 sessions

Environmental auditing works, including weekly site inspections of construction works conducted by the ET, audit of implementation of Plan on Provision of Buffer Zones, Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance, Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance and Waste Management Plan were conducted in the reporting period. Based on the audit results and the observation for the reporting period, environmental pollution control and mitigation measures for the Project were properly implemented.

Breaches of Action and Limit Levels for Air Quality

No exceedance of Action and Limit Levels was recorded for impact air quality monitoring in the reporting period.

Breaches of Action and Limit Levels for Noise

No exceedance of Action and Limit Levels was recorded for construction noise monitoring in the reporting period.

Breaches of Action and Limit Levels for Water Quality

Turbidity and Suspended Solids (SS) exceedances were recorded during the reporting period. Relevant investigations and follow-up actions were conducted in accordance with the Event and Action Plan.

Ecological Monitoring

No exceedance of Action and Limit Levels was recorded for impact ecological monitoring in the reporting period.

Environmental Complaints, Non-compliance & Summons

There was no notification of summons or prosecution recorded in the reporting period.

One (1) environmental complaint related to Contract 6 and one (1) environmental complaint related to Contract 10 were received in the reporting period. Investigations were conducted for the environmental complaints in accordance with the complaint handling process as stated in the Complaint Management Plan.

Reporting Change

There was no reporting change in the reporting period.

Summary of Upcoming Construction Activities

Contract No. NL/2020/05 ("Contract 5") - Ma Wan Chung

- Road Work, Drainage Work, Road Surfacing with Asphalt, Defective and Outstanding Reinstatement Work at Part E;
- Drainage Construction, Planter Reinstatement and Planting Work, Defective and Outstanding Reinstatement Work at Part F;
- Defective and Outstanding Reinstatement Work at Part G;
- Defective and Outstanding Reinstatement Work at Part H.

Contract No. NL/2020/06 ("Contract 6") - Tung Chung Valley

- Excavation for Maintenance Access, Planting for Riverbed, Riverbed Formation, Watermain Installation for Bridge A, Construction of Top Slab and Wall for Transformer Room, Precast Beam Construction for Bridge C, Drainage, Bioswale and Gully Construction, Sloping Work, Temporary Water Main Installation from Bridge A to Bridge B, Backfilling and Sheet-piles Extraction for Temporary Drainage Channel, Construction of Manholes and Box Culvert at Road L29;
- Road Work, Utility Work, Water Main Installation and Bioswale Work at Road L30;
- Site Clearance, Excavation, Excavation and Lateral Support (ELS) Work, Water Main and Rising Main Installation, Hard Paving, Backfilling and Compaction, Sloping Work at Yu Tung Road;
- Site Clearance, Excavation, ELS Work, Water Piping Work, Sewerage and Drainage Work, Sloping Work, Backfilling for Cycle Track and Footpath and Underground Utility Installation at Chung Mun Road;
- Backfilling at Shek Mun Kap Road;
- Architectural Builder's Work and Finishes (ABWF) and E&M Work at Visitor Centre;
- ABWF Work and E&M Work at Sewage Pumping Station-A;
- Structural Work at Sewage Pumping Station-B;
- No-fine Concreting Works and Concreting Work at Stormwater Attenuation and Treatment Pond (SATP) A01;

- Drainage Work, External Construction, Internal ABWF and E&M Works of Transformer Room at SATP A02;
- Construction of Pillar Box and Steel Work at SATP A04;
- Site Clearance, Excavation and Drainage Work at SATP A07.

Contract No. NL/2023/10 ("Contract 10") – Tung Chung Valley, Yu Tung Road and Ma Wan Chung

- Site Clearance, Ground Investigation, Tree Felling Work and Piling Work for Abutment D at Road L24;
- Site Clearance, Tree Felling Work, Construction of Haul Road and Soil Nail Work at Ma Wan Chung Pumping Station;
- Village Sewerage Work at Ngau Au, Ma Wan Chung Village, Wong Ngai Uk, Road L31 and Mun Tung Estate;
- Construction of Retaining Wall at Road L22.

Contract No. NL/2023/11 ("Contract 11") – Tung Chung Valley

- Village Sewerage Work at Shek Lau Po and Shek Mun Kap;
- Drainage Pipe Installation and Manhole Construction at Road L26;
- Tree and Existing Fence Removal and Haul Road Construction at Road L28;
- Temporary Footing Construction at Bridge E.

Entrustment Agreement No. ENT/TUE/001("Entrusted Works") – Yu Tung Road

- Pile Cap Installation and Structure Lifting at Yu Tung Road Footbridge;
- Retaining Wall Construction at Area 33;
- Underground Utilities Coordination, Ground Investigation and CLP Cable Installation at Road L31.

1 Introduction

1.1 Background

Tung Chung New Town Extension (TCNTE) is one of the major initiatives under the Government's multi-pronged approach to increase land supply to meet Hong Kong's medium- to long-term needs for housing, economic and social developments. The Environmental Impact Assessment (EIA) Report for TCNTE (Register No. AEIAR-196/2016) was approved on 8 April 2016 and the Environmental Permit (EP) No. EP-519/2016, covering the construction and operation of TCNTE, was granted on 9 August 2016. The EIA Report and EP cover both Tung Chung East (TCE) and Tung Chung West (TCW, hereafter referred to as "the Project").

Civil Engineering and Development Department (CEDD) commissioned Mott MacDonald Hong Kong Limited (MMHK) to undertake the role of Environmental Team (ET) for carrying out the Environmental Monitoring & Audit (EM&A) works during the construction phase of the Project in accordance with the requirements specified in the EP, Updated EM&A Manual (the Manual), EIA Report of the TCW Project and other relevant statutory requirements. The scope of the Project works in TCW includes the following elements:

- Site formation works;
- Construction of the River Park including a visitor centre;
- Construction of proposed open space;
- Construction of sustainable urban drainage system;
- Construction of roads, footpath and the associated junction / road improvement works;
- Construction of coastal pedestrian access;
- Engineering infrastructure works covering drainage, sewerage, waterworks and landscaping works; and
- Implementation of environmental mitigation measures and environmental monitoring and audit works.

The construction works for the Project were commenced on 3 November 2021 and are divided into various works contracts. The following active works contracts were commenced on the dates shown in **Table 1.1**. One (1) new contract – Contract No. NL/2023/11 – was awarded under the Project in 2026.

Table 1.1: Commencement Dates of Construction Works for the Active Works Contracts

Contract No.	Contract Name	Commencement Date of Construction Works
Contract No. NL/2020/05 ("Contract 5")	Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung	3 Nov 2021
Contract No. NL/2020/06 ("Contract 6")	Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1	3 Nov 2021 (Note: Construction works at Tung Chung Valley commenced on 30 Nov 2021)
Contract No. NL/2023/10 ("Contract 10")	Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung	24 Mar 2026
Contract No. NL/2023/11 ("Contract 11")	Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Phase 2	15 Jul 2026
Entrustment Agreement No. ENT/TUE/001 ("Entrusted Works")	Construction of Infrastructure Works in the Tung Chung New Town Extension Area	24 Feb 2026

The locations of Contracts 5, 6, 10, 11 and Entrusted Works are shown in **Figures 1.1, 1.2, 1.3, 1.4 and 1.5** respectively.

1.2 Scope of this Report

This is the Monthly EM&A Report for the TCW Project which summarises the key findings of the EM&A programme for the construction works during the reporting period from 1 to 30 September 2026.

1.3 Organisation Structure

The organisation structure of the Project is shown in **Appendix A**. The key personnel contact names and contact details of the active works contracts are summarised in **Table 1.2** below.

Table 1.2: Contact Information of Key Personnel

Party	Position	Name	Telephone
Contract No. NL/2020/05 ("Contract 5") **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung**			
Project Proponent (Civil Engineering and Development Department (CEDD))	Chief Engineer	Sharon Wu	2231 4439
	Senior Engineer	Ryan Chak	2231 4468
	Engineer	Carol Lam	2231 4472
Engineer's Representative (ER) (Ove Arup and Partners Hong Kong Limited)	Principal Resident Engineer	Jackson Wong	5699 5710
	Senior Resident Engineer	Sam Chan	9671 5538
	Senior Inspector of Works	Tony Chiu	5699 5792
Contractor (Build King – Richwell Civil Joint Venture)	Project Manager	Eric Yip	9196 6098
	Construction Manager	Artie Wong	9633 0977
	Site Agent	Ricky Hon	9100 7509
	Environmental Officer	Calvin Chan	6117 2894
	24-hour Complaint Hotline	-	9326 1161
Contract No. NL/2020/06 ("Contract 6") **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1**			
Project Proponent (Civil Engineering and Development Department (CEDD))	Chief Engineer	Sharon Wu	2231 4439
	Senior Engineer	Liz Li	2231 4469
	Engineer	Fion Chan	2157 3136
Engineer's Representative (ER) (Ove Arup and Partners Hong Kong Limited)	Principal Resident Engineer	Jackson Wong	5699 5710
	Senior Resident Engineer	Shirley Yeung	9671 5518
	Senior Inspector of Works	Jensen Lo	5699 5746
Contractor (China Railway Group Limited)	Project Director	Andy Yeung	6266 0716
	Project Manager	Jeffrey Woo	5538 0950
	Site Agent	Samuel Sim	6105 8233
	Construction Manager	Chris Lai	9060 4362
	Superintendent	Hua Xinrong	6582 3049
	Environmental Officer	Simon Mak	6266 0745
	24-hour Complaint Hotline	-	9326 1161
Contract No. NL/2023/10 ("Contract 10") **Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung**			
Project Proponent (Civil Engineering and Development Department (CEDD))	Chief Engineer	Sharon Wu	2231 4439
	Senior Engineer	Tony Leung	2157 3057
	Engineer	Diana Tung	2231 4529
	Engineer	Ryan Ip	2231 4462
Engineer's Representative (ER) (Ove Arup and Partners Hong Kong Limited)	Principal Resident Engineer	Jackson Wong	5699 5710
	Senior Resident Engineer	Sam Chan	9671 5538
	Senior Inspector of Works	Tony Chiu	5699 5792
Contractor	Project Manager	Steven Song	9085 9172

Party	Position	Name	Telephone
(CREC Joint Venture)	Construction Manager	Esmund Ng	9520 5809
	Environmental Officer	Chi Pan Ting	4403 8391
	Senior Site Engineer	Da Shu Jiang	9389 5286
	Senior Site Engineer	Jason Lo	9793 2193
	Site Agent	Chen Siliu	5374 7265
	24-hour Complaint Hotline	-	9326 1161
Contract No. NL/2023/11 ("Contract 11") **Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Phase 2**			
Project Proponent (Civil Engineering and Development Department (CEDD))	Chief Engineer	Sharon Wu	2231 4439
	Senior Engineer	Ryan Chak	2231 4468
	Engineer	Carol Lam	2231 4472
Engineer's Representative (ER) (Ove Arup and Partners Hong Kong Limited)	Principal Resident Engineer	Jackson Wong	5699 5710
	Senior Resident Engineer	Eddie Tsang	5699 5711
	Senior Inspector of Works	Tony Chiu	5699 5792
Contractor (CCC-CCECC-CR11G Joint Venture)	Contract Manager	Alice Leung	9220 3162
	Site Agent	Lawrence Lam	9787 7368
	Construction Manager	Chow Chong Kei	9556 7737
	Environmental Officer	Leo Leung	6200 3055
	Senior Site Engineer	Angus Lin	9238 0706
	Foreman	Chan Yu Kin	9056 1540
Entrustment Agreement No. ENT/TUE/001 ("Entrusted Works") **Construction of Infrastructure Works in the Tung Chung New Town Extension Area**			
Project Proponent (Civil Engineering and Development Department (CEDD))	Chief Engineer	Sharon Wu	2231 4439
	Senior Engineer	Tony Leung	2157 3057
	Engineer	Diana Tung	2231 4529
	Engineer	Ryan Ip	2231 4462
Engineer's Representative (ER) (MTR Corporation Limited)	Senior Construction Manager	Vivian Leung	9173 4587
Contractor (Bouygues Dragages (1201) Joint Venture)	Project Director	Clement Chasset	9707 8166
	Construction Manager	Remi Ribet	9707 8326
	Environmental Officer	Gena Tsang	6276 4423
	Site Agent	Jonathan Leung	6017 6276
	Construction Supervisor	Ludovic Truffy	9707 2747
	Environmental Supervisor	Ken Kwok	9705 6110
	Environmental Supervisor	Derek Ng	9705 6352
	Environmental Supervisor	Berlin Lee	9707 7130
	Complaint Hotline	-	2993 3333
Environmental Team (ET) (Mott MacDonald Hong Kong Limited)	ET Leader	Daniel Sum	2585 8495
	Deputy ET Leader	Heidi Yu	2828 5704
Independent Environmental Checker (IEC) (Binnies Hong Kong Limited)	IEC	Manuel Chua	3894 9807
	Deputy IEC	Edward Lau	3894 9695

1.4 Summary of Construction Works

The programme of the construction is shown in **Appendix B**.

As informed by the Contractors of the active works contracts, details of the major works carried out in this reporting period are listed in **Table 1.3**.

The environmental mitigation implementation schedule is presented in **Appendix C**.

Table 1.3: Major Activities in the Reporting Period

Activities	Key Issues	Key Mitigation Measures
Contract No. NL/2020/05 ("Contract 5")[1] **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung**		
• Road Work, Drainage Work (Excavation, Pipe Installation and Concreting), Excavation for Pipe Jacking Work, Road Surfacing with Asphalt, Backfilling Work, Coring and Drilling for Underground Drain Pipework, Defective and Outstanding Reinstatement Work at Part E; • Drainage Construction and Planter Reinstatement at Part F; • Defective and Outstanding Reinstatement Work at Part G; • Hiking Trail and Pavilion Construction, Park Furniture Installation, Planting Work, Defective and Outstanding Reinstatement Work at Part H.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Contract No. NL/2020/06 ("Contract 6")[2] **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1**		
• Excavation for Maintenance Access, Planting for Riverbed, Riverbed Formation, Water Main Installation for Bridge A, Construction of Base Slab and Wall of Transformer Room, Precast Beam Construction of Bridge C, Drainage, Bioswale and Gully Work, Sloping Work, Temporary Water Main Installation from Bridge A to Bridge B, Backfilling and Sheet-piles Extraction for Temporary Drainage Channel at Road L29; • Road Work, Utility Work and Water Main Installation at Road L30; • Site Clearance, Excavation, ELS Work, Water Main and Rising Main Installation, Hard Paving, Backfilling and Compaction, Sloping Work at Yu Tung Road; • Excavation, ELS Work, Water Piping Work, Sloping Work, Sewerage and Drainage Work, Backfilling of Cycle Track and Footpath, Site Clearance and Underground Utilities Installation at Chung Mun Road; • Backfilling Work at Shek Mun Kap Road; • ABWF Work and E&M Work at Visitor Centre; • ABWF Work and E&M Work at Sewage Pumping Station-A; • Structural Work at Sewage Pumping Station-B; • No-fine Concreting Work and Concreting Work at SATP A01; • Drainage Work, Construction of Retaining Wall, External Construction Work, Internal ABWF and E&M Works of Transformer Room at SATP A02; • Mass Concreting of Base Slab, Water Proofing Work and Water Pipes Installation at SATP A04; • Site Clearance, Excavation and Drainage Work at SATP A07.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works

Activities	Key Issues	Key Mitigation Measures
Contract No. NL/2023/10 ("Contract 10") **Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung**		
• Site Clearance, Ground Investigation Work, Tree Felling Work, Construction of Temporary Bridge D and Piling Work for Abutment D at Road L24; • Village Sewerage Work at Ngau Au, Ma Wan Chung Village and Wong Ngai Uk; • Site Clearance, Tree Felling Work, Construction of Haul Road and Soil Nail Work at Ma Wan Chung Pumping Station. • Construction of Retaining Wall at Road L22.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Contract No. NL/2023/11 ("Contract 11") **Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Phase 2**		
• Village Sewerage Work at Shek Lau Po, Lam Che and Shek Mun Kap; • Sewerage and Drainage Work at Road L26; • Temporary Traffic Arrangement Implementation, Tree and Existing Fence Removal at Road L28; • Retaining Wall Construction at Polder Part A.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Entrustment Agreement No. ENT/TUE/001 ("Entrusted Works") **Construction of Infrastructure Works in the Tung Chung New Town Extension Area**		
• ELS Work at Yu Tung Road Footbridge; • Excavation Work at Area 33; • Underground Utilities Coordination, Ground Investigation and CLP Cable Installation at Road L31	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works

Note:
(1) The construction work in Area Part D was completed and the management and maintenance responsibility for the works was taken over by the Housing Department in Feb 2024.
(2) The construction work in Area 42 and Area 46 were completed and the management and maintenance responsibility for the works were taken over by the Housing Department in May 2023 and April 2024 respectively.

1.5 Summary of EM&A Requirements

The status of all environmental aspects is presented in **Table 1.4**. The EM&A requirements remained unchanged during the reporting period.

Table 1.4: Summary of Status for the Environmental Aspects under the Updated EM&A Manual

Parameter	Status
Air Quality	
Baseline Monitoring	The results of baseline air quality monitoring for TCW were reported in the Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Impact Monitoring	On-going for TCW. Monitoring conducted three times in every 6 days.
Noise	
Baseline Monitoring (Construction Noise)	The results of baseline noise monitoring for TCW were reported in the Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Impact Monitoring (Construction Noise)	On-going for TCW. Monitoring conducted once per week.
Impact Monitoring for Road Traffic Noise during Operational Phase	To be conducted during operational phase.
Fixed Noise Commissioning Test	To be implemented by the Contractor before operation of Tung Chung New Town Extension (TCNTE) development.
Water Quality	
Baseline Monitoring	The results of baseline water quality monitoring for TCW were reported in the Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Impact Monitoring	On-going for TCW. Monitoring conducted three times per week.
Waste Management	
Waste Monitoring	On-going.

Parameter	Status
Land Contamination	
Contamination Assessment Plan (CAP), Remediation Action Plan (RAP) and Remediation Report (RR)	Re-appraisal of the remaining areas of the Possible Development Areas (PDAs) (including Area 46) and works areas for the associated infrastructures for both Contract 5 and Contract 6 in accordance with Section 8.3.4 and 8.4.2 of the approved EIA report (AEIAR-196/2016) and Section 10.3 of the Updated EM&A Manual were implemented and the associated reports were approved by EPD. Remediation works in Area 42 was completed in accordance with the Contamination Assessment Report and Remediation Action Plan as approved by EPD. Revised Remediation Report for Area 42 was submitted to EPD on 9 August 2023 and approved by EPD on 28 August 2023. Site investigation at the potentially contaminated sites/surveyed sites in Chung Mun Road, Road L29 and Shek Mun Kap Road was completed in accordance with the Supplementary Contamination Assessment Plan as approved by EPD. Contamination Assessment Report was approved by EPD on 11 January 2023. Site investigation for Site TC-1 located in Area Part F was completed in accordance with the Supplementary Contamination Assessment Plan as approved by EPD. Contamination Assessment Report for Site TC-1 was approved by EPD on 16 May 2023. Site investigation for Site TC-4 located in Chung Mun Road was carried out in July 2023 in accordance with the Supplementary Contamination Assessment Plan as approved by EPD. Revised Supplementary Contamination Assessment Report for Site TC-4 was approved by EPD on 5 October 2023. Revised re-appraisal report on Land Contamination for works area under Contract 10 was submitted to EPD on 17 August 2026. Re-appraisal report on Land Contamination for works area under Contract 11 was submitted to EPD on 17 September 2026. Re-appraisal of the remaining areas of the Possible Development Areas (PDAs) and works areas for other TCW Contracts in accordance with Section 8.3.4 and 8.4.2 of the approved EIA report (AEIAR-196/2016) and Section 10.3 of the Updated EM&A Manual was underway.
Ecology	
Monitoring for Compensation Woodland	Compensation Woodland Planting was completed in May 2022. With the approval from EPD on the monitoring proposal in October 2022, the monitoring for Compensation Woodland was commenced in November 2022.
Monitoring for Emergent Plant inside the future River Park	To be conducted when the emergent plants are planted.

Parameter	Status
Monitoring for Translocated Amphibians of Conservation Importance	Pre-construction survey for Contract 6 was conducted during 20-22 October 2021. Capture and translocation exercise was conducted during 29-31 October 2021. Report of Capture and Translocation Exercise was submitted by Contractor and no target amphibian species were captured or translocated during the exercise. Pre-construction survey for Contract 10 was conducted on 8 April 2026. A translocation proposal, outlining the proposed methodology and locations for the capture and translocation exercise, was approved by EPD on 6 May 2026. Capture and Translocation Exercise was conducted during 9-12 June 2026. Report of Capture and Translocation Exercise was submitted by Contractor on 30 June 2026. One (1) individual of Romer's Tree Frog was captured and translocated during the exercise. Post-translocation monitoring were conducted on 29 June 2026, 31 July 2026 and 11 August 2026. Post-translocation Monitoring Report was submitted to EPD on 3 September 2026. Pre-construction survey for Contract 11 was conducted on 13 May 2026. A translocation proposal, outlining the proposed methodology and locations for the capture and translocation exercise, was approved by EPD on 18 June 2026. Capture and Translocation Exercise was conducted during 2-5 July 2026. Five (5) individuals of Romer's Tree Frog were captured and translocated during the exercise. 1st Post-translocation monitoring was conducted on 30 July 2026. 2nd Post-translocation monitoring was conducted on 28 August 2026. 3rd Post-translocation monitoring was conducted on 29 September 2026. Report of Capture and Translocation Exercise was submitted by Contractor on 14 September 2026.
Monitoring for Preserved/Transplanted Plant Species of Conservation Importance	Pre-construction Survey Report and the Preservation/Translocation Proposal for Contract 5 and Contract 6 were submitted to EPD. Preservation of Plant Species of Conservation Importance has been commenced and monitoring has been carried out in the reporting period. Translocation of the two (2) individuals *of Aquilaria sinensis* to temporary holding nursery in Tai Po as stipulated in the revised Proposal for Plant Species of Conservation Importance for Contract 6 was completed on 29 September 2023. Revised Pre-construction Survey Report for Contract 10 was submitted to EPD on 11 August 2026. Pre-construction Survey Report for Contract 11 was submitted to EPD on 24 September 2026.
Baseline Monitoring for Tung Chung Stream Ecologically Important Stream (EIS) and Wong Lung Hang EIS	The results of baseline ecological monitoring at the Eastern and Western Tributary of Tung Chung Stream for TCW were reported in the Baseline Monitoring Report and submitted to EPD under EP Condition 3.4. Monitoring for Wong Lung Hang was not required and the proposal by the ET Leader of TCE was accepted by EPD on 2 September 2021.
Impact Monitoring for Tung Chung Stream	On-going for the Eastern and Western Tributary of Tung Chung Stream for TCW. Monitoring conducted at monthly intervals.
Landscape and Visual	
Baseline Monitoring	The results of baseline landscape and visual monitoring were reported in the Baseline Monitoring Report and submitted to EPD under EP Condition 3.4.
Cultural Heritage	
Archaeological Work at the development clusters in TCW, which included the implementation of Rescue Excavation and Survey-Cum-Excavation prior to any construction works; and Watching Brief during construction phase	On-going.
Site Environmental Audit	
Regular Site Inspection	On-going.
Plan on Provision of Buffer Zones implementation measures	Under implementation by the Contractor of Contract 6 and 10.

Parameter	Status
Plan for Review of Use of New Low Noise Road Surfacing Material implementation measures	Not applicable during this reporting period.
River Park Plan implementation measures	Not applicable during this reporting period.
Preservation and/or Translocation Plan for Plant Species of Conservation Importance implementation measures	Under implementation by the Contractors of Contracts 5, 6, 10 and 11.
Detailed Compensatory Woodland Planting Plan implementation measures	Under implementation by the Contractor of Contract 6.
Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance implementation measures	Under implementation by the Contractor of Contract 6, 10 and 11.
Waste Management Plan implementation measures	Under implementation by the Contractors of Contracts 5, 6, 10, 11 and Entrusted Works.
Complaint Hotline and Email Channel	Under implementation by the Contractors of Contracts 5, 6, 10, 11 and Entrusted Works.
Environmental Log Book	On-going.

Taking into account the construction works, impact monitoring of air quality, noise, water quality, ecology and waste management were carried out in the reporting period. The monitoring schedule of air quality, noise, water quality and ecological monitoring are provided in **Appendix F, Appendix G, Appendix H and Appendix I** respectively.

The EM&A programme also involved environmental site inspections and related auditing conducted by the ET for checking the implementation of the required environmental mitigation measures recommended in the approved EIA Report and relevant EP submissions, including Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance, Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance, Plan on Provision of Buffer Zones and Waste Management Plan.

1.6 Status of Statutory Environmental Compliance with the Environmental Permit

The status of statutory environmental compliance with the EP conditions under the EIAO, submission status under the EP and implementation status of mitigation measures are presented in **Appendix D**.

1.7 Status of Other Statutory Environmental Requirements

The environmental licences and permits (including Environmental Permit, waste disposal billing account, registration as chemical waste producer and construction noise permit) which were valid in the reporting period are presented in **Appendix E**. No non-compliance with environmental statutory requirements was recorded.

1.8 Reporting of EM&A Results

The EM&A programme for the Project required environmental monitoring for air quality, noise and water quality as well as environmental site inspections for air quality, noise, water quality, waste management, ecology, and landscape and visual impacts. The EM&A requirements and related findings for each component are summarised in the following sections:

- Section 2 - Air Quality;
- Section 3 - Noise;
- Section 4 - Water Quality;
- Section 5 - Ecology;
- Section 6 - Waste Management Status;

- Section 7 - EM&A Site Inspection;
- Section 8 - Implementation Status of Environmental Mitigation Measures;
- Section 9 - Summary of Exceedances of the Environmental Quality Performance Limit;
- Section 10 - Summary of Complaints, Notification of Summons and Successful Prosecutions;
- Section 11 - Future Key Issues; and
- Section 12 - Conclusions and Recommendations.

2 Air Quality

2.1 Monitoring Requirements

According to the requirements in the Updated EM&A Manual, regular impact air quality monitoring shall be carried out at the designated monitoring locations during the construction period of the Project to obtain 1-hour Total Suspended Particulate (TSP) concentrations. One-hour sampling should be done at least 3 times per 6 days while the highest dust impact is expected. Further details of the impact air quality monitoring are presented in the following sections.

2.2 Monitoring Locations

A total of two air quality monitoring stations were identified for impact monitoring in the TCNTE possible development area (PDA) at Tung Chung West and are covered by this Report.

Locations of the impact air quality monitoring stations covered in this Report are summarised in **Table 2.1** and shown in **Appendix F1**.

Table 2.1: Impact Air Quality Monitoring Stations

Monitoring Station	Location
DM-5	Lung Tseung Tau
DM-6	Mok Ka

2.3 Monitoring Parameters, Frequency, Duration and Monitoring Dates

Table 2.2 summarises the parameters, frequency, duration and monitoring dates for impact air quality monitoring during the reporting period.

Table 2.2: Impact Air Quality Monitoring Parameters, Frequency, Duration and Monitoring Dates

Monitoring Station	Parameter	Frequency and Duration	Monitoring Dates
DM-5	1-hour Total Suspended Particulates (TSP)	3 times per 6 days during the construction period of the Project	4, 10, 16, 22 & 28 Sep 2026
DM-6			

2.4 Action and Limit Levels

The Action and Limit Levels of the air quality monitoring are provided in **Table 2.3** below.

Table 2.3: Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level (μg/m^3)	Limit Level (μg/m^3)
DM-5	266	500
DM-6	260	500

2.5 Monitoring Equipment

Portable direct reading dust meter was used to carry out the 1-hour TSP impact monitoring for the Project. The proposed use of portable direct reading dust meters was submitted to IEC and agreed by IEC in accordance with Section 5.5 of the Updated EM&A Manual. With the use of direct reading dust meter, it can allow prompt and direct results for the EM&A reporting and the implementation of the Event and Action Plan. The portable direct reading dust meter would be calibrated every year against High Volume Sampler (HVS) to check the validity and accuracy of the results measured by direct reading method.

Table 2.4 summarizes the equipment used in the impact air quality monitoring during the reporting period. Copies of the calibration certificates for the portable dust meters are presented in **Appendix F2** and show that the portable direct reading dust meter is capable of providing comparable results with that provided by HVS.

Table 2.4: Impact Air Quality Monitoring Equipment

Monitoring Station	Equipment	Model
DM-5	Portable direct reading dust meter	SIBATA LD-3B (Serial No. 276020) and SIBATA LD-5R (Serial No. 781281)
DM-6		

2.6 Monitoring Schedule for the Reporting Period

The schedule for impact air quality monitoring during the reporting period is provided in **Appendix F3**.

2.7 Results and Observations

The monitoring results for 1-hour TSP are summarised in **Table 2.5**. The monitoring data and the graphical presentation are provided in **Appendix F4**.

Table 2.5: Summary of 1-hour TSP Monitoring Results in the Reporting Period

Monitoring Station	Average ($\mu g/m^3$)	Range ($\mu g/m^3$)	Action Level ($\mu g/m^3$)	Limit Level ($\mu g/m^3$)
DM-5	45	39 – 50	266	500
DM-6	34	31 – 37	260	500

The dust sources in the reporting period included road traffic and nearby construction sites.

No exceedance of Action and Limit Levels was recorded for construction air quality monitoring in the reporting period. No action was thus required to be undertaken in accordance with the Event and Action Plan presented in **Appendix F5**.

3 Noise

3.1 Monitoring Requirements

According to the requirements in the Updated EM&A Manual, regular impact construction noise monitoring shall be carried out at the designated monitoring locations once per week during the construction period of the Project. Construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq\ (30min)}$ shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods, $L_{eq\ (5min)}$ shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. As supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.

Further details of the impact construction noise monitoring are presented in the following sections.

3.2 Monitoring Locations

A total of five construction noise monitoring stations were identified for impact monitoring in the TCNTE possible development area (PDA) at Tung Chung West and are covered by this Report.

Locations of the impact construction noise monitoring stations covered in this Report are summarised in **Table 3.1** and shown in **Appendix G1**.

Table 3.1: Impact Construction Noise Monitoring Stations

Monitoring Station	Location	Type of Measurement
NMS-CA-5	Village house in Ma Wan Chung (G/F)	Free field^
NMS-CA-6	Village house in Shek Mun Kap (G/F)	Free field^
NMS-CA-7	YMCA of Hong Kong Christian College (Roof Floor)	Façade
NMS-CA-8	Caritas Wu Cheng-Chung College (Roof Floor)(1)	Façade
NMS-CA-9*	Hong Chi Shiu Pong Morninghope School (Roof Floor)	Façade

Remark: * NMS-CA-9, which was described as "possible school development near Tung Chung Area 39" in the Updated EM&A Manual, was subsequently confirmed as "Hong Chi Shiu Pong Morninghope School" prior to commencement of baseline monitoring.
^ For Free Field measurement, +3dB(A) should be added to the measured results.
(1) NMS-CA-8 was renamed as "Caritas Wu Cheng-Chung College" since 1 Sep 2024.

3.3 Monitoring Parameters, Frequency, Duration and Monitoring Dates

Table 3.2 summarises the parameters, frequency, duration and monitoring dates for impact construction noise quality monitoring during the reporting period.

Table 3.2: Impact Construction Noise Monitoring Parameters, Frequency, Duration and Monitoring Dates

Monitoring Station	Parameter	Frequency and Duration	Monitoring Dates
NMS-CA-5	30-min measurement between 0700 & 1900 hrs on normal weekdays (Monday to Saturday) L_{eq}, L_{10} and L_{90} would be recorded	Once every week for 30 mins during the construction period of the Project	3, 8, 17, 22 & 29 Sep 2026
NMS-CA-6			
NMS-CA-7			
NMS-CA-8			
NMS-CA-9			

3.4 Action and Limit Levels

The Action and Limit Levels for construction noise of the Project are provided in **Table 3.3** below.

Table 3.3: Action and Limit Levels for Construction Noise

Monitoring Station	Time Period	Action Level	Limit Level (dB(A), $L_{eq(30min)}$)
NMS-CA-5 NMS-CA-6	0700-1900 hrs on normal weekdays[#]	When one documented complaint is received	75
NMS-CA-7* NMS-CA-8* NMS-CA-9*			70 (65 during school examination periods)

Note: [#] 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.
* Denotes school / educational institution.

3.5 Monitoring Equipment

Integrating Sound Level Meters were used to conduct impact construction noise monitoring. They were the Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{Aeq}) and percentile sound pressure level (L_x). They complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). **Table 3.4** summarizes the equipment used in the impact construction noise monitoring. Copies of the calibration certificates for the sound level meters and acoustical calibrators are attached in **Appendix G2**.

Table 3.4: Noise Monitoring Equipment

Monitoring Station	Equipment & Model	
	Integrating Sound Level Meter	Acoustical Calibrator
NMS-CA-5	Rion NL-52 (serial no. 00175561)	RION NC-75 (serial no. 34356596)
NMS-CA-6		
NMS-CA-7		
NMS-CA-8		
NMS-CA-9		

3.6 Monitoring Schedule for the Reporting Period

The schedule for impact construction noise monitoring during the reporting period is provided in **Appendix G3**.

3.7 Results and Observations

The monitoring results for construction noise are summarised in **Table 3.5**. The monitoring data and the graphical presentation are provided in **Appendix G4**.

Table 3.5: Summary of Construction Noise Monitoring Results in the Reporting Period

Monitoring Station	Average (dB(A), $L_{eq(30min)}$)	Range (dB(A), $L_{eq(30min)}$)	Limit Level (dB(A), $L_{eq(30min)}$)
NMS-CA-5	57^	54 – 58^	75
NMS-CA-6	56^	55 – 57^	
NMS-CA-7	64	61 – 66	70 (65[#] during school examination periods)
NMS-CA-8	63	62 – 64	
NMS-CA-9	62	60 – 63	

Note: ^ +3dB(A) Façade correction included for Free Field measurement.
[#] No school examination was taken place at NMS-CA-7, NMS-CA-8 and NMS-CA-9 during this reporting period.

The noise sources during the construction noise monitoring in the reporting period included bird sound, nearby traffic, school activities and aircraft as well as nearby construction sites.

No exceedance of Action and Limit Levels was recorded for construction noise monitoring in the reporting period. No action was thus required to be undertaken in accordance with the Event and Action Plan presented in **Appendix G5**.

4 Water Quality

4.1 Monitoring Requirements

According to the requirements in the Updated EM&A Manual, regular impact water quality monitoring shall be carried out 3 days per week at the designated monitoring locations during the construction period of the Project. The interval between two sets of monitoring shall not be less than 36 hours. Further details of the impact water quality monitoring are presented in the following sections.

4.2 Monitoring Locations

The locations of the monitoring stations under the Project are shown in **Table 4.1** and **Appendix H1**.

Table 4.1: Impact Water Quality Monitoring Stations

Monitoring Station	Description	Location	
		Easting	Northing
TCW-WQM1	Downstream of Tung Chung Stream	810784	815710
Tung Chung Stream (West)			
TCW-WQM2	Middle of Tung Chung Stream (West)	810701	815015
TCW-WQM4	Upstream of Tung Chung Stream (West)	810641	814405
TCW-WQM6(1)	Downstream of Tung Chung Stream (West)	810814	815385
Tung Chung Stream (East)			
TCW-WQM3A(2)	Middle of Tung Chung Stream (East) [aka Upstream of River Park]	811083	814895
TCW-WQM5A(3)	Upstream of Tung Chung Stream (East)	811194 811138	814368 814498
TCW-WQM7(1)	Downstream of Tung Chung Stream (East) [aka Downstream of River Park]	810862	815400

Notes:

(1) TCW-WQM6 and TCW-WQM7 are additional monitoring stations which can monitor the water quality impact associated with construction activities along the Tung Chung Stream (West) and Tung Chung Stream (East) respectively.
(2) TCW-WQM3A is the proposed relocated TCW-WQM3, which will be upstream of the River Park where there are no direct works on Tung Chung Stream (East). The original TCW-WQM3 location lies within the construction works area for the future River Park, which will be directly modified and inaccessible during construction phase.
(3) The monitoring location of TCW-WQM5A will be bounded by the coordinates shown, with the exact location depending on the nearest safe accessible and practical location to the original TCW-WQM5.

4.3 Monitoring Parameters, Frequency and Duration

Table 4.2 summarises the parameters, frequency and duration for impact water quality monitoring during the reporting period.

Table 4.2: Water Quality Monitoring Parameters, Duration and Frequency

Monitoring Station	Parameters (Units)	Frequency, Duration and Replication	Monitoring Dates
TCW-WQM1, TCW-WQM2, TCW-WQM3A, TCW-WQM4, TCW-WQM5A, TCW-WQM6, TCW-WQM7	• Dissolved Oxygen (DO) (mg/L and % saturation) • Temperature (°C) • Turbidity (NTU) • Salinity (ppt) • pH • Suspended Solids (SS) (mg/L)	**Impact monitoring:** 3 days per week during the construction period of the Project. Not less than 36 hours' interval between two sets of monitoring. Two (2) replicate in-situ measurements and water samples.	2, 4, 7, 9, 11, 14, 16, 18, 21, 23, 25, 28 & 30 Sep 2026

Monitoring Station	Parameters (Units)	Frequency, Duration and Replication	Monitoring Dates
	• Conductivity(1) (μS/cm)		

Remark:
1. Water depth measurement is not applicable due to very shallow depth of the monitoring locations.

Note:
(1) Conductivity is an additional reference monitoring parameter adopted during a review of the baseline monitoring programme in June 2021. It is not compulsory as prescribed in the Updated EM&A Manual.

In addition to the parameters presented in **Table 4.2**, other relevant data were also recorded, including monitoring location, time, approximate water depth (by visual observation), tidal condition (if applicable), weather conditions and any special phenomena or work underway at the Project site.

4.4 Action and Limit Levels

The calculated Action and Limit Levels of the impact water quality monitoring for the monitoring stations of Tung Chung Stream (West), Tung Chung Stream (East) and TCW-WQM1 are shown in **Table 4.3** below.

Table 4.3: Calculated Action and Limit Levels for Impact Water Quality Monitoring

Parameters	Action Level	Limit Level
Tung Chung Stream (West)		
DO in mg/L	3.4 mg/L	3.3 mg/L
SS in mg/L	7.0 mg/L or 120% of upstream control station at the same tide of the same day, whichever is higher	16.9 mg/L or 130% of upstream control station at the same tide of the same day, whichever is higher
Turbidity in NTU	6.7 NTU or 120% of upstream control station at the same tide of the same day, whichever is higher	22.0 NTU or 130% of upstream control station at the same tide of the same day, whichever is higher
Tung Chung Stream (East)		
DO in mg/L	4.2 mg/L	4.0 mg/L
SS in mg/L	7.2 mg/L or 120% of upstream control station at the same tide of the same day, whichever is higher	9.7 mg/L or 130% of upstream control station at the same tide of the same day, whichever is higher
Turbidity in NTU	9.8 NTU or 120% of upstream control station at the same tide of the same day, whichever is higher	22.5 NTU or 130% of upstream control station at the same tide of the same day, whichever is higher
TCW-WQM1		
DO in mg/L	2.2 mg/L	1.8 mg/L
SS in mg/L	7.3 mg/L	9.7 mg/L
Turbidity in NTU	24.7 NTU	35.3 NTU

Notes:
(1) For DO, non-compliance occurs when monitoring results is lower than the limits.
(2) For SS and Turbidity, non-compliance occurs when monitoring results is larger than the limits.
(3) Action and Limit Levels do not apply to TCW-WQM4 and TCW-WQM5A which are upstream control stations.

4.5 Monitoring Equipment

Table 4.4 summarizes the equipment used in the impact water quality monitoring works. All the monitoring equipment complied with the requirements set out in the Updated EM&A Manual. Copies of the calibration certificates are attached in **Appendix H2**.

Table 4.4: Water Quality Monitoring Equipment

Equipment	Brand and Model
Multifunctional Meter (in-situ measurement of DO, pH, temperature, salinity, turbidity and conductivity)	Horiba U-53 (serial no. KP23RRSM)

4.6 Monitoring Schedule for the Reporting Period

The schedule for impact water quality monitoring during the reporting period is provided in **Appendix H3**.

4.7 Results and Observations

A total of 13 monitoring events for impact water quality monitoring were conducted at all designated monitoring stations during the reporting period. Impact water quality monitoring results and graphical presentations were provided in **Appendix H4**.

Action and Limit Level exceedances were recorded for water quality impact monitoring in the reporting period and the Event and Action Plan (**Appendix H5**) was undertaken. Investigations on the Action and Limit Level exceedances were conducted and summarised in **Table 4.5** below.

Table 4.5: Details of Exceedances Recorded for Water Quality Monitoring

Date	Parameter	Station	Type	Justification
2 Sep 2026	Suspended Solids	TCW-WQM1	Limit	(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)
	Turbidity	TCW-WQM7	Action	(a) (b) (c) (d) (e) (f) (h) (i)
	Suspended Solids		Limit	(a) (b) (c) (d) (e) (f) (h) (i)
4 Sep 2026	Turbidity	TCW-WQM7	Action	(a) (b) (c) (d) (e) (f) (h) (i)
	Suspended Solids		Limit	(a) (b) (c) (d) (e) (f) (h) (i)
7 Sep 2026	Suspended Solids	TCW-WQM7	Limit	(a) (b) (c) (d) (e) (f) (i) (k) (l)
9 Sep 2026	Suspended Solids	TCW-WQM7	Limit	(a) (b) (c) (d) (e) (f) (i) (k) (l)
11 Sep 2026	Suspended Solids	TCW-WQM7	Action	(a) (b) (c) (d) (e) (f) (i) (j) (k) (l)
18 Sep 2026	Turbidity	TCW-WQM7	Action	(a) (b) (c) (d) (e) (f) (i) (k) (l)
	Suspended Solids		Limit	(a) (b) (c) (d) (e) (f) (i) (k) (l)
21 Sep 2026	Suspended Solids	TCW-WQM7	Action	(a) (b) (c) (d) (e) (f) (i) (j) (k) (l)

Remarks:

(a) Installation of silt curtain at the diverted channel to minimise the silt content flowing downstream.

(b) Construction runoff was diverted to the wastewater treatment facility for treatment before final discharge.

(c) Sump pits were constructed at site for temporary containment of surface runoff.

(d) Deployment of additional of sedimentation tank for the existing wastewater treatment facility to enhance the overall treatment capacity of the wastewater treatment facility.

(e) Bunding was provided at the bottom of concrete blocks to prevent seepage of silty runoff into the diverted channel.

(f) Based on the observation during the monitoring, the wastewater treatment facilities located next to the eastern tributary of Tung Chung Stream as managed by Contractor were all in operation.

(g) The cause of the elevated measurement result might be due to the runoff from upstream monitoring station.

(h) Silty water was observed at the monitoring station but the source of silty water could not be identified during the course of monitoring.

(i) No deficiency in the practices of the implementation of the environmental mitigation measures was observed during the course of monitoring.

(j) No measurement exceedance was recorded at the monitoring station during the subsequent monitoring event.

(k) Deposition of sand was observed at the vicinity of the monitoring station.

(l) No specific observations were made during the course of monitoring which might result in the exceedance in the measurement results.

5 Ecology

5.1 Monitoring Requirements

According to the requirements in the Updated EM&A Manual, regular impact ecological monitoring in terms of water quality, aquatic invertebrate and fish species shall be carried out on a monthly basis at the designated monitoring locations during the construction period of the Project. Further details of the impact ecological monitoring are presented in the following sections.

5.2 Monitoring Locations

A total of 10 monitoring stations at Tung Chung Stream covering both River Park and other Public Works (road crossings, polders, and stormwater attenuation and treatment ponds) were identified for the construction phase monitoring.

The locations of the monitoring stations are presented in **Table 5.1** and **Appendix I1**. Note that the exact monitoring locations were subject to fine adjustment based on site conditions (e.g. adverse weather conditions, blockage by plants, rocks or other obstacles).

Table 5.1: Impact Ecological Monitoring Stations

Monitoring Station	Description	Coordinates			
		Easting	Northing	Latitude (N)	Longitude (E)
RP1	Conservation Zone (Natural Section)	811150	814469	22°16'07.95"N	113°55'59.41"E
RP2	Upstream of River Park	811083	814895	22°16'21.77"N	113°55'57.05"E
RP3 (1)	Revitalisation Zone (Channelised Section)	811036	815076	22°16'27.66"N	113°55'55.38"E
RP4	Downstream of River Park	810846	815402	22°16'38.25"N	113°55'48.72"E
PW1	Near Public Works	811099	814589	22°16'11.83"N	113°55'57.63"E
PW2 (1)	Near Public Works	810933	815318	22°16'35.54"N	113°55'51.79"E
PW3	Near Public Works	810789	815658	22°16'46.56"N	113°55'46.71"E
PW4	Near Public Works	810782	814583	22º16’11.6”N	113º55’46.56”E
PW5	Near Public Works	810795	814823	22º16’19.45”N	113º55’46.99”E
PW6	Near Public Works	810815	815382	22°16'37.6"N	113°55'47.64"E

Note (1): Following consultation with AFCD and EPD, ecological monitoring at station RP3 and PW2 was temporarily suspended upon completion of the re-diversion works of Tung Chung Stream on 31 August 2026. The suspension was considered necessary to allow sufficient time for habitat establishment and the recovery of ecological conditions within the newly re-diverted channel, including the development and stabilization of the channel substrate and aquatic habitat features, as well as the recolonization of aquatic invertebrates and fish assemblages within the newly re-diverted channel.

5.3 Monitoring Frequency and Dates

As required under the Updated EM&A Manual, the impact ecological monitoring shall cover the full construction programme on a monthly basis. **Table 5.2** summarises the frequency and monitoring dates for the impact monitoring during the reporting period.

Table 5.2: Impact Ecological Monitoring Schedule

Reporting Month	River Park Study Area (RP1, RP2 and RP4) and Other Public Works Study Area (PW1, PW3, PW4, PW5 and PW6)
Sep 2026	**4 September 2026**

5.4 Monitoring Methodology

5.4.1 Stream Fauna

Several survey methods which covered different components of the stream fauna (which includes fish species and aquatic invertebrates) were used to monitor the study areas to yield a comprehensive result:

1. Direct Observation - covered all along the accessible part of the watercourse to provide a species list of fish and aquatic invertebrate with corresponding relative abundance.
2. Baited Fish Cage - At each sampling location, two replicates of baited fish cages were deployed for a duration of at least one hour. All collected fish and aquatic invertebrate species were recorded and their abundance were counted. This method may collect fishes which are wary of humans. Permit from the AFCD was obtained before the use of any equipment to collect stream fauna in any streams and watercourses.
3. Kick Sampling - at least two replicates of kick sampling were performed at each monitoring station to obtain aquatic invertebrate (and fish) samples. Kick sampling is a relatively quick method to survey aquatic invertebrates in shallow fast-flowing streams. A ~30 cm x ~30 cm kick sampler with ~0.5 mm mesh size was placed on the stream bed and the area just upstream of the sampler were vigorously disturbed by kicking for one minute. The contents of the net were transferred to suitable containers with freshwater for identification and counting in situ. All identifiable samples were released back to the sampling locations.

5.4.2 Water Quality

Ecologically related water quality monitoring, including *in situ* measurements and collection of water samples for laboratory analysis, was conducted at each monitoring location. Duplicate water samples were collected at surface water level at each monitoring location.

Water quality parameters including Dissolved Oxygen (in % saturation and mg/L), pH value, temperature, turbidity and salinity were measured in situ while the other parameters, including Suspended Solids (SS), Ammonia, Total Kjeldahl Nitrogen (TKN), Total Phosphorus (TP), *Escherichia coli (E. coli)*, 5-day Biochemical Oxygen Demand (BOD_5), Chemical Oxygen Demand (COD) and Oil & Grease, were measured at a HOKLAS accredited laboratory for water quality analysis. Other relevant data, including time, water depth, weather conditions and special phenomena or works underway in the vicinity were recorded.

The measured water quality parameters and laboratory testing method are shown in **Table 5.3**.

Table 5.3: Ecologically related Water Quality Monitoring Parameters and Testing Methods

Parameter		
In situ measurements	**Instrument Range Capability**	**Measurement rEsolution**
pH	0 – 14 pH Units	0.01 pH units
Salinity	0 – 40 ppt	0.01 ppt
Temperature	0 – 45°C	0.1°C
Turbidity	0 – 1000 NTU	0.1 NTU
Dissolved Oxygen (DO)	0 – 20 mg/L	0.1 mg/L
	0 – 200% saturation	0.1% saturation
Laboratory testing and analyses	**Method Reference**	**Level of Reporting**
Suspended Solids (SS)	APHA 2540 D	0.5 mg/L
Ammonia as N	APHA 4500 NH_3 G	0.01 mg/L
Total Kjeldahl Nitrogen (TKN) as N	APHA 4500 P: J; APHA 4500 NO3: I	0.05 mg/L
Total Phosphorus as P	APHA 4500 P: J	0.01 mg/L

Parameter		
E. coli	TM09/EC/10/98 Issue 3, HKEPD	1 CFU/100mL
5-day Biochemical Oxygen Demand (BOD_5)	APHA 5210 B	1 mg/L
Chemical Oxygen Demand (COD)	APHA 5220 B	2 mg/L
Oil & Grease	APHA 5520 B	2 mg/L

The equipment used for the *in situ* ecologically related water quality monitoring work is summarised in **Table 5.4**. Copies of the calibration certificates are attached in **Appendix I2**.

Table 5.4: Ecologically-related Water Quality Monitoring Equipment

Equipment	Brand and Model
Multifunctional Meter (in-situ measurement of DO, pH, temperature, salinity and turbidity)	Horiba U-53 (serial no. X42XKBNO)

5.5 Action and Limit Levels

The Action and Limit Levels for the impact ecological monitoring are defined in **Table 5.5.**

Table 5.5: Action and Limit Levels for Impact Ecological Monitoring

Exceedance Level	Description
Action Level	Reduction in the monthly taxa diversity (i.e. number of species) of fish or aquatic invertebrate (macroinvertebrate only) of any monitoring station compared to the corresponding monitoring season and station of the baseline survey by **30%**.
Limit Level	Reduction in the monthly taxa diversity (i.e. number of species) of fish or aquatic invertebrate (macroinvertebrate only) of any monitoring station compared to the corresponding monitoring station and season of the baseline survey by **50%**.

For ease of reference, the Action and Limit Levels for aquatic invertebrate and fish (rounded to nearest 0.1) in Wet Season (April to October) and Dry Season (November to March) at each monitoring station are provided in **Table 5.6** and **Table 5.7** respectively.

Table 5.6: Action Level (AL) and Limit Level (LL) for Number of Aquatic Invertebrate Species at Each Monitoring Station during Wet (Apr - Oct) and Dry (Nov - Mar) Seasons

		River Park Study Area				Public Works Study Area					
		RP1	RP2	RP3	RP4	PW1	PW2	PW3	PW4	PW5	PW6
Wet season	**AL**	2.1	1.2	1.3	2.0	0.9	2.8	1.6	2.3	2.1	4.0
	LL	1.5	0.9	1.0	1.5	0.7	2.0	1.2	1.7	1.5	2.9
Dry season	**AL**	1.5	1.3	0.7	2.5	1.4	2.6	0.5	2.3	2.3	1.9
	LL	1.1	0.9	0.5	1.8	1.0	1.9	0.4	1.7	1.7	1.4

Table 5.7: Action Level (AL) and Limit Level (LL) for Number of Fish Species at Each Monitoring Station during Wet (Apr – Oct) and Dry (Nov – Mar) Seasons

		River Park Study Area				Public Works Study Area					
		RP1	RP2	RP3	RP4	PW1	PW2	PW3	PW4	PW5	PW6
Wet season	**AL**	3.6	3.5	0.9	5.0	2.8	0.9	4.4	4.4	3.7	3.5
	LL	2.6	2.5	0.7	3.6	2.0	0.7	3.2	3.2	2.7	2.5
Dry season	**AL**	4.1	3.5	0.1	4.3	4.7	0.5	4.2	4.2	3.0	4.4
	LL	2.9	2.5	0.1	3.1	3.4	0.4	3.0	3.0	2.2	3.2

5.6 Results and Observations

5.6.1 Environment of Stream Courses

The environment of stream courses at the monitoring stations for the River Park Study Area (RP1, RP2 and RP4) and other Public Works Study Area (PW1, PW3, PW4, PW5 and PW6) are presented in **Table 5.8.**

Table 5.8: Environment of Stream Courses at each Monitoring Station

Station Name	Location	Physical Environment
RP1	Conservation Zone (Natural Section)	Fast flowing natural stream. The substrate was dominant with boulders and rocks, and sands were sometimes observed. Woodland with dense vegetation was on the river banks.
RP2	Upstream of River Park	Moderate fast flowing natural stream. The substrate was in the form of boulders, rocks, sand and silt mixture. Short but dense herbaceous vegetation was on the right bank of the stream, while dense woodland was on the left bank.
RP4	Downstream of River Park	The channelised section of Tung Chung Stream ended at the upstream of RP4. RP4 is a moderate fast flowing natural stream close to the estuary. The substrate was in the form of boulders, rocks, sand and silt mixture. Woody plants and herbaceous plants were along the river banks.
PW1	Near Public Works	Fast flowing natural stream. The substrate was dominant with boulders and rocks, and sand was sometimes observed. Woodland with dense vegetation was on the river banks. Stagnant water with foul smell was observed at direct upstream of the monitoring station in the reporting month.
PW3	Near Public Works	A natural estuary. The substrate was dominant with sand and mud. Dense mangroves were on the shores of the estuary.
PW4	Near Public Works	Fast flowing natural stream. The substrate was dominant with boulders and rocks. Water was clear and the river depth varied which was usually within 120cm. Woodland with dense vegetation was on one side of the river banks, while dense herbaceous vegetation was observed on the other side.
PW5	Near Public Works	Fast flowing natural stream. The substrate was dominant with rocks. Water was clear and the river depth varied which was usually within 40cm. Dense herbaceous vegetation and occasionally woody and shrubby vegetation were found on both sides of the banks. Dense herbaceous vegetation was also observed in the middle of the stream during wet season.
PW6	Near Public Works	Moderately fast flowing natural stream. The substrate was dominant with rocks with little sand. Water was generally clear. The river depth varied which was usually within 30cm. Dense shrubs and herbaceous vegetation were observed on the banks.

Note (1): Ecological Monitoring at the monitoring station RP3 and PW2 were suspended following re-diversion works of Tung Chung Stream. The newly re-diverted channel requires habitat establishment for recovering ecological conditions including the development and stabilization of the channel substrate and aquatic habitat features.

5.6.2 Stream Fauna

A total of 14 aquatic invertebrate species and 22 fish species were recorded across all monitoring stations during the reporting period. The monitoring results for aquatic invertebrate and fish species are summarised in **Table 5.9** and **Table 5.10**. The monitoring data is provided in **Appendix I4** and **Appendix I5**. Representative photos of the species of conservation importance and other species recorded are presented in **Appendix I3**.

Table 5.9: Summary of Aquatic Invertebrate Species Recorded in the Reporting Period

Note (1): Species of conservation importance (Fellowes et. al., 2002)

Common Name	Species Name	River Park Study Area			Public Works Study Area				
		RP1	RP2	RP4	PW1	PW3	PW4	PW5	PW6
Caddisfly	*Hydropsychidae*								✔
Chinese Greenwing (Larva)	*Neurobasis chinensis*							✔	
Dropwings (Larva)	*Trithemis sp.*		✔				✔	✔	
Emerald Cascader (Larva)	*Zygonyx iris insignis* (1)		✔						
European Physa	*Physella acuta*		✔						
Freshwater Prawn	*Macrobrachium sp.*			✔					
Freshwater Shrimp	*Caridina cantonensis*	✔						✔	
Hepu Mitten Crab	*Eriocheir hepuensis*								✔
Scud	*Amphipoda*					✔			
Small Minnow Mayfly	*Baetidae*			✔					✔
Small Water Strider	*Veliidae*				✔		✔		✔
Water Strider	*Ptilomera tigrina*	✔			✔		✔		✔
-	*Heptageniidae*	✔		✔					
-	*Parasesarma continentale*					✔			
Total no. of species		**3**	**3**	**3**	**2**	**2**	**3**	**3**	**5**
Action Level (Wet Season)		2.1	1.2	2.0	0.9	1.6	2.3	1.6	4.0
Limit Level (Wet Season)		1.5	0.9	1.5	0.7	1.2	1.7	1.2	2.9

Note (1): Species of conservation importance (Fellowes et. al., 2002)

Table 5.10: Summary of Fish Species Recorded in the Reporting Period

Common Name	Species Name	River Park Study Area			Public Works Study Area				
		RP1	RP2	RP4	PW1	PW3	PW4	PW5	PW6
Beijiang Thick-lipped Barb	*Acrossocheilus beijiangensis* (1)	✔	✔		✔		✔		
Bala Shark	*Balantiocheilos melanopterus* ^						✔		
Needlefish	*Belonidae*					✔			
Dwarf Snakehead	*Channa gachua*						✔		
Mud Carp	*Cirrhinus molitorella*						✔		✔
Indo-Pacific Tropical Sand Goby	*Favonigobius reichei*					✔			
Mosquito Fish	*Gambusia affinis*			✔					✔
Common Silverbiddy	*Gerres oyena*					✔			
Fork Tongue Goby	*Glossogobius giuris*								✔
Jewelfish	*Hemichromis stellifer*			✔			✔		
Broken-band Hillstream Loach	*Liniparhomaloptera disparis*	✔	✔		✔		✔	✔	
Grey Mullet	*Mugil cephalus*			✔		✔			
Rice Fish	*Oryzias curvinotus* (1)			✔					
Predaceous Chub	*Parazacco spilurus* (2)	✔			✔		✔	✔	✔
Common Mudskipper	*Periophthalmus modestus*					✔			
Sucker-belly Loach	*Pseudogastromyzon myersi*	✔					✔	✔	
-	*Rhinogobius duospilus*	✔	✔				✔	✔	✔
Spotted Scat	*Scatophagus argus*					✔			
Tilapia	*Tilapia sp.*						✔		
Chameleon Goby	*Tridentiger trigonocephalus*								✔
Swordtail	*Xiphophorus hellerii*	✔	✔	✔	✔			✔	✔
Variable Platyfish	*Xiphophorus variatus*	✔	✔	✔	✔				✔
Total no. of species		**7**	**5**	**6**	**5**	**6**	**10**	**5**	**8**
Action Level (Wet Season)		3.6	3.5	5.0	2.8	4.4	4.4	3.7	3.5
Limit Level (Wet Season)		2.6	2.5	3.6	2.0	3.2	3.2	2.7	2.5

Note (1): Species of conservation importance (Fellowes et. al., 2002)
(2): Species of conservation importance (Yue & Chen,1998)
^: Although *Balantiocheilos melanopterus* is listed as Vulnerable on the IUCN Red List, the recorded individual is considered an introduced ornamental fish released into the stream and is therefore not regarded as a species of conservation importance for this Project (IUCN, 2026).

No exceedance of Action and Limit Levels was recorded for the impact ecological monitoring in the reporting period, comparing against the baseline monitoring data. No action was thus required to be undertaken in accordance with the Event and Action Plan presented in **Appendix I6**.

5.6.3 Water Quality

As the EM&A programme of TCW already has its own river water quality monitoring (i.e. 3 times per week, refer to **Section 4** of this EM&A Report) and its associated Action and Limit Levels, this section of ecologically-related water quality monitoring results (i.e. at monthly basis) will be adopted for facilitating the investigation in case of any trigger of Action and Limit Levels of the ecological monitoring. The ecologically related water quality monitoring result during the reporting period is summarised in **Appendix I7**.

5.7 References

Fellowes, J., M. Lau, D. Dudgeon, G.T. Reels, G.W.J., Ades, G. Carey, B. Chan, K. Roger, K.S. Lee M. Leven, K. Wilson and Y.T. Yu. 2002. Wild animals to watch: terrestrial and freshwater fauna of conservation concern in Hong Kong. Memoirs of the Hong Kong Natural History Society. 25:123-159.

IUCN. 2026. The IUCN Red List of Threatened Species. Version 2026-1. Accessed on 14 September 2026 from https://www.iucnredlist.org

Yue, P., and Chen, Y. 1998. China Red Data Book of Endangered Animals: Pisces. Science Press, Beijing. China. 256pp.

6 Waste Management Status

6.1 General

The Contractors of Contracts 5, 6, 10, 11 as well as Entrusted Works, have each obtained a waste disposal billing account and registered as chemical waste producer. Sufficient numbers of receptacles were available for general refuse collection and sorting.

All dump trucks engaged on site were equipped with Real Time Tracking and Monitoring (RTTM) system during the reporting period. The Surveillance Team of the ET conducted regular site inspections on the dump trucks and their track records. No illegal dumping and landfilling of C&D materials was found during the reporting period.

Wastes generated during this reporting period include mainly non-inert construction wastes. Reference has been made to the waste flow tables prepared by the Contractors. The quantities of different types of wastes and imported fill materials are summarised in **Table 6.1**.

Table 6.1: Quantities of Different Waste Generated and Imported Fill Materials for TCW

Month / Year	Inert C&D Materials[(a)] (in '000m^3)	Imported Fill Materials[(d)] (in '000m^3)	Inert Construction Waste Re-used in the Contract (in '000m^3)	Inert Construction Waste Re-used in other Projects[(e)] (in '000m^3)	Non-inert Construction Waste[(b)] (in '000m^3)	Recyclable Materials[(c)] (in '000kg)	Chemical Waste ('000kg)
Jul 2026	14.05	0.61	0.01	9.43	0.52	0.42	0
Aug 2026	8.70	0	0.10	0	0.57	0.33	0
Sep 2026	7.71	0	0.50	0	0.21	0.39	0

Notes: (a) Inert construction and demolition wastes include hard rock and large broken concrete, and materials disposed as public fill.
(b) Non-inert construction wastes include general refuse disposed at landfill.
(c) Recyclable materials include metals, paper, cardboard, plastics and others.
(d) Imported fill materials include public fill.
(e) Inert Construction Waste reused in other construction contracts under TCNTE.

7 EM&A Site Inspection

7.1 Monitoring Requirements

Environmental site inspections were carried out on a weekly basis with the Contractors and ER to monitor the implementation of proper environmental pollution control and mitigation measures for air quality, noise, water quality, waste management, ecology and landscape and visual impacts under the Project.

7.2 Site Inspections and Key Observations

In the reporting period:

- Five (5) site inspections were carried out on 1, 8, 15, 22 and 28 September 2026 for Contract 5;
- Five (5) site inspections were carried out on 3, 10, 17, 24 and 28 September 2026 for Contract 6;
- Five (5) site inspections were carried out on 2, 9, 16, 23 and 28 September 2026 for Contract 10;
- Five (5) site inspections were carried out on 4, 11, 18, 25 and 28 September 2026 for Contract 11; and
- Four (4) site inspections were carried out on 7, 14, 21 and 28 September 2026 for Entrusted Works.

Key observations during the site inspections are summarised in **Table 7.1**.

The Contractors were reminded to implement all relevant mitigation measures related to construction dust, construction noise, water quality, waste management, ecology and landscape and visual outlined in the EIA Report and the Updated EM&A Manual.

Table 7.1: Key Observations Identified during Site Inspections in this Reporting Period

Contract No.	Inspection Date(s)	Environmental Observation	Recommendation / Remark
Contract 5	1 Sep 2026	Area Part E and Part F ● No deficiency was observed	● Nil
	8 Sep 2026	Area Part E ● No deficiency was observed	● Nil
	15 Sep 2026	Area Part E ● No deficiency was observed	● Nil
	22 Sep 2026	Area Part E ● No deficiency was observed	● Nil
	28 Sep 2026	Area Part E ● The colour of the NRMM label as affixed on the generator was faded	Area Part E ● Replace the NRMM label in accordance with EPD's requirement
Contract 6	3 Sep 2026	Road L29 and Visitor Centre ● Mitigation measures for preventing surface runoff from the minor works area was not observed Sewage Pumping Station-B ● No deficiency was observed	Road L29 and Visitor Centre ● Implement appropriate mitigation measures at the minor works area adjacent to the riverbank to ensure that surface runoff from minor works area is properly collected and treated before discharge, preventing direct discharge into Tung Chung Stream
	10 Sep 2026	Road L29 ● The loads of dump trucks were not covered ● Accumulated surface runoff was observed in the works area adjacent to the re-diverted channel ● Insufficient dust suppression along the haul road Visitor Centre ● Copy of Environmental Permit was not displayed	Road L29 ● Ensure that the loads of dump trucks are properly covered to prevent fugitive dust emissions and the spillage of materials onto the access road during transportation ● Divert the surface runoff accumulated in the works area adjacent to the re-diverted channel to an appropriate treatment facility ● Arrange regular water spraying along the haul road to suppress fugitive dust emissions from site vehicle movements, particularly during dry and windy conditions Visitor Centre ● Display a copy of valid Environmental Permit for public information in accordance with permit requirement

Contract No.	Inspection Date(s)	Environmental Observation	Recommendation / Remark
	17 Sep 2026	Road L29 ● NRMM label was found missing on the body of the machineries ● Stockpiling materials were not covered Shek Mun Kap Road ● Copy of Environmental Permit was not displayed Road L29 and Shek Mun Kap Road ● Drip tray was not provided for the containment of chemicals Visitor Centre ● No deficiency was observed	Road L29 ● Affix valid NRMM label on the body of the machineries which were found missing ● Arrange proper covering of the stockpiling materials with tarpaulin to prevent fugitive dust emission Shek Mun Kap Road ● Display a copy of valid Environmental Permit for public information in accordance with permit requirement Road L29 and Shek Mun Kap Road ● Provide drip tray for the proper containment of chemicals to prevent potential chemical spillage
	24 Sep 2026	Shek Mun Kap Road ● High pH reading of the treated effluent was displayed on the panel of the wastewater treatment facility Bridge A, Chung Mun Road and Road L29 ● No deficiency was observed	Shek Mun Kap Road ● Arrange checking and maintenance of the wastewater treatment facility to ensure the wastewater could be treated properly before final discharge
	28 Sep 2026	Shek Mun Kap Road ● Drip tray was not provided for the containment of chemical	Shek Mun Kap Road ● Provide drip tray for proper containment of the chemical
Contract 10	2 Sep 2026	Part A and Part B ● No deficiency was observed	● Nil
	9 Sep 2026	Part F, Part I and Part J ● No deficiency was observed	● Nil
	16 Sep 2026	Part A and Part B ● No deficiency was observed	● Nil
	23 Sep 2026	Part F ● Footprint of soil tyre trails on the road section near the site exit was observed Part A and Part I ● No deficiency was observed	Part F ● Remove the tyre trails on the road section near the site exit and maintain an effective wheel washing operation to ensure that the public road leading from the site exit is kept clean and free of dust
	28 Sep 2026	Part H and Part I ● No deficiency was observed	● Nil

Contract No.	Inspection Date(s)	Environmental Observation	Recommendation / Remark
Contract 11	4 Sep 2026	Nam Che ● Footprint of oil spillage was observed on the ground next to the generator and accumulation of rainwater at the drip tray for the containment of spillage from the generator was observed ● The colour of the NRMM label on the generator was faded ● Chemical waste as stored in the chemical waste storage cabinet was not labelled Shek Lau Po ● No deficiency was observed	Nam Che ● Clean up the spillage and handle it as chemical waste and clean up the rainwater in the drip tray ● Replace the NRMM label on the generator ● Ensure that the chemical waste as stored in the chemical waste storage cabinet is properly labelled
	11 Sep 2026	Nam Che, Shek Mun Kap and Shek Lau Po ● No deficiency was observed	● Nil
	18 Sep 2026	Shek Lau Po and Nam Che ● No deficiency was observed	● Nil
	25 Sep 2026	Nam Che ● Construction materials were placed within the dripline of the retained tree Shek Lau Po ● No deficiency was observed	Nam Che ● Avoid placing construction materials within the dripline of the tree and erect tree protection zone for the retained trees
	28 Sep 2026	Shek Mun Kap ● No deficiency was observed	● Nil
Entrusted Works	7 Sep 2026	Area 33 and Yu Tung Road Footbridge ● No deficiency was observed	● Nil
	14 Sep 2026	Yu Tung Road Footbridge ● The colour of the NRMM label on the excavator was faded	Yu Tung Road Footbridge ● Replace the NRMM label on the excavator
	21 Sep 2026	Area 33 and Yu Tung Road Footbridge ● No deficiency was observed	● Nil
	28 Sep 2026	Area 33 and Yu Tung Road Footbridge ● No deficiency was observed	● Nil

7.3 Landscape and Visual Mitigation Measures

Implementation of applicable landscape and visual mitigation measures (reference to the environmental protection measures MM1 to MM5, MM7 to MM8, MM10 to MM20 in **Appendix C**) was monitored in accordance with Manual. All measures undertaken by the Contractor during the construction phase and establishment work phase shall be audited by ET to ensure compliance with the intended aims of the measures.

The implementation status of the environmental protection measures is summarised below in **Table 7.2**. Examples of landscape and visual mitigation measures are shown in **Table 7.3**. The monitoring programme for detailed design, construction and establishment stages is presented in **Table 7.4**. Event and Action Plan for Landscape and Visual impacts is stated in **Table 7.5**.

Table 7.2: Landscape and Visual – Construction Phase Audit Summary

Landscape and Visual Mitigation Measures during Construction	Implementation Status	Relevant Contract(s) in the Reporting Period
MM1- Optimization of Construction Areas & Providing Temporary Landscape on Temporary Construction	Implementation of the measures were carried out during the detailed design stage of the Project.	All works contracts
MM2 - Minimize Topographical Changes		
MM3 - Preservation of Potentially Registerable OVTs, Rare and Protective Vegetation	Tree Protection Specifications were provided in the relevant Contract Specifications respectively for implementation by the Contractors under the Project. The Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance was submitted under EP Condition 2.21 and accepted by EPD. The Contractors' performance on the implementation of the tree maintenance and protection measures were observed and checked by the ET weekly during construction period.	All works contracts
MM4 - Transplanting of Existing Trees	Tree Transplanting Specifications were provided in the relevant Contract Specifications respectively for implementation by the Contractors under the Project where trees would unavoidably be affected by the construction works. The Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance was submitted under EP Condition 2.21 and accepted by EPD. The Contractors were required to submit Method Statements for tree transplanting prior to the transplanting works. Tree inspections were conducted by ET to check the tree transplanting works implemented by the Contractors on site. The Contractors' performance on the implementation of trees maintenance and protection measures on transplanted trees were observed and checked by the ET bi-monthly during the 24-month establishment period after the completion of each batch of transplanting works.	All works contracts

Landscape and Visual Mitigation Measures during Construction	Implementation Status	Relevant Contract(s) in the Reporting Period
MM5 – Screen Hoarding	Implementation of mitigation measures was checked by ET during weekly site inspection. Implementation of the measures by Contractors was observed.	All works contracts
MM7 – Protection of Natural Rivers and Streams	Implementation of mitigation measures was checked by ET during weekly site inspection. Implementation of the measures by Contractors was observed.	Contract 6, 10 and 11
MM8 - Preservation of Natural Coastline	Implementation of the measures was carried out during the detailed design stage of the Project.	Contract 5
MM10 – Compensatory Planting	Not applicable during the reporting period	All works contracts
MM11 – Woodland Restoration	Implementation of mitigation measures was checked by ET during weekly site inspection. Implementation of the measures by Contractors was observed.	Contract 6
MM12 – Screen Planting	Not applicable during the reporting period	All works contracts
MM13 – Roadside Planting	Not applicable during the reporting period	All works contracts
MM14 – Aesthetic Design of Built Development	Not applicable during the reporting period	All works contracts
MM15 – Maximise Greening on Structure	Not applicable during the reporting period	All works contracts
MM16 – Noise Barrier Design	Not applicable during the reporting period	Contract 6
MM17 – Landscape Treatment for Polders & Stormwater Attenuation and Treatment Ponds	Not applicable during the reporting period	Contract 6
MM18 - Landscaping on Slopes	Implementation of mitigation measures was checked by ET during weekly site inspection. Implementation of the measures by Contractors was observed.	All works contracts
MM19 - Landscape Treatment on Channelized Watercourses	Not applicable during the reporting period	Contract 6
MM20 - Lighting Control	Implementation of mitigation measures was checked by ET during weekly site inspection. Implementation of the measures by Contractors was observed.	All works contracts

Table 7.3: Examples of Landscape and Visual Mitigation Measures

		
Landscaping on Slopes	General view of tree protection zone for retained tree	Transplanting of existing trees to temporary nursery site
		
Control of night-time lighting using light hooding	Protection of Natural Rivers and Streams	Compensatory Planting and Woodland Restoration

Table 7.4: Monitoring Programme for Landscape and Visual

Stage	Monitoring Task	Monitoring Report	Form of Approval	Frequency
Design	Monitoring of design works against the recommendations of the landscape and visual impact assessments within the EIA should be undertaken by the Engineer and Landscape Architect, to ensure that they fulfil the intentions of the mitigation measures. Any changes to the design, including design changes on site should also be checked	Report by CEDD / ER confirming that the design conforms to requirements of EP.	Approved by CEDD	At completion of design stage
Construction	Monitoring of the contractor's operations during the construction period.	Report on Contractor's compliance by ET	Counter signature of report by IEC	Monthly
Establishment Works	Monitoring of the planting works during the 24-months Establishment Period after completion of the construction works.	Report on Contractor's compliance by ET	Counter signature of report by IEC	Bi-monthly

Table 7.5: Event and Action Plan for Landscape and Visual

Event Action Level	Action			
	ET	IEC	ER	Contractor
Design Check	Check final design conforms to the requirements of EP and prepare report.	Check report. Recommend remedial design if necessary.	Undertake remedial design if necessary.	
Non-conformity on one occasion	Inform the IEC, ER and the Contractor Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed.	Check report. Check Contractor's working method Discuss with ET, ER and Contractor on possible remedial measures. Advise ER on effective of proposed remedial measures. Check implementation of remedial measures.	Confirm receipt of notification of non-conformity in writing Review and agree on the remedial measures proposed by the Contractor Ensure remedial measures are properly implemented.	Identify source and investigate the non-conformity Amend working methods agreed with ER as appropriate Rectify damage and undertake any necessary replacement.
Repeated Non-conformity	Identify sources Inform the Contractor, IEC and ER Discuss inspection frequency Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed If non-conformity stops, cease additional monitoring.	Check inspection report Check Contractor's working method Discuss with ET, ER and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures.	Notify the Contractor In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented Supervise implementation of remedial measures.	Identify source and investigate the non-conformity Amend working methods agreed with ER as appropriate Rectify damage and undertake any necessary replacement. Stop relevant portion of works as determined by ER until the non-conformity is abated.

7.4 Land Contamination Assessment

Re-appraisal of the remaining areas of the Possible Development Areas (PDAs) (including Area 46) and works areas for the associated infrastructures for both Contract 5 and Contract 6 in accordance with Section 8.3.4 and 8.4.2 of the approved EIA report (AEIAR-196/2016) and Section 10.3 of the Updated EM&A Manual were implemented and the associated reports were approved by EPD.

Remediation works in Area 42 was completed in accordance with the Contamination Assessment Report (CAR) and the Remediation Action Plan (RAP) as approved by EPD. Revised Remediation Report for Area 42 was submitted to EPD on 9 August 2023 and approved by EPD on 28 August 2023. Site Investigation at the potentially contaminated sites/surveyed sites in Chung Mun Road, Road L29 and Shek Mun Kap Road was completed in accordance with the Supplementary CAP as approved by EPD. CAR was approved by EPD on 11 January 2023. Site investigation for Site TC-1 located in Area Part F was completed in accordance with the Supplementary CAP as approved by EPD. CAR was approved by EPD on 16 May 2023. Site investigation for Site TC-4 located in Chung Mun Road was carried out in July 2023 in accordance with the Supplementary Contamination Assessment Plan as approved by EPD. Revised Supplementary Contamination Assessment Report for Site TC-4 was approved by EPD on 5 October 2023.

Revised re-appraisal report on Land Contamination for works area under Contract 10 was submitted to EPD on 17 August 2026.

Re-appraisal report on Land Contamination for works area under Contract 11 was submitted to EPD on 17 September 2026.

Further site investigation/reappraisal on land contamination for other potentially contaminated sites, surveyed sites, remaining areas and works areas in TCW would be conducted under separate works contract(s) in accordance with the approved EIA Report and Updated EM&A Manual.

7.5 Monitoring for Compensation Woodland

Compensation Woodland Planting was completed in May 2022. With the approval from EPD on the monitoring proposal in October 2022, the monitoring for Compensation Woodland was commenced in November 2022 and completed in November 2025. Photos of the Compensation Woodland planting are shown in **Table 7.6**.

Table 7.6: Photos of the Compensation Woodland Planting

7.6 Monitoring for Preserved/Transplanted Plant Species of Conservation Importance

For the plant species of conservation importance within the works area of Contract 5, there were three (3) individuals of *Gmelina chinensis*, six (6) individuals of *Aquilaria sinensis* and five (5) individuals of *Canthium dicoccum* identified. One (1) individual of *Gmelina chinensis*, two (2) individuals of *Aquilaria sinensis* and two (2) individuals of *Canthium dicoccum* were recommended being preserved *in-situ*. The remaining individuals were recommended to be removed owing to poor form and structure condition.

As for the plant species of conservation importance within the works area of Contract 6, there were twelve (12) individuals of *Aquilaria sinensis* identified. Three (3) individuals of *Aquilaria sinensis* were recommended being preserved *in-situ* while two (2) individuals of *Aquilaria sinensis* were recommended being transplanted to the receptor site in accordance with the Preservation and/or Translocation Proposal for Plant Species of Conservation Importance submitted under section 3.1.1 of Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance (Condition 2.21 of the EP No. EP-519/2016). The remaining individuals were recommended to be removed owing to poor form and structure condition.

For the plant species of conservation importance within the works area of Contract 10, there were eleven (11) individuals of *Aquilaria sinensis* identified. Two (2) individuals of *Aquilaria sinensis* were recommended being preserved *in-situ* while nine (9) individuals of *Aquilaria sinensis* were recommended being transplanted to the receptor site in accordance with the Preservation and Translocation Proposal for Plant Species of Conservation Importance submitted under section 3.1.1 of Detailed Preservation and/or Translocation Plan for Plant Species of Conservation

Importance (Condition 2.21 of the EP No. EP-519/2016). The remaining individuals were recommended to be removed owing to poor form and structure condition.

While the pre-construction survey for the plant species of conservation importance within the works area of Contract 11 was underway in the reporting period, there were five (5) individuals of *Aquilaria sinensis* and three (3) individuals of *Gnetum luofuense* identified. Four (4) individuals of *Aquilaria sinensis* and three (3) individuals of *Gnetum luofuense* were recommended being preserved *in-situ* while one (1) individual of *Aquilaria sinensis* was recommended being transplanted to the receptor site in accordance with the Preservation and Translocation Proposal for Plant Species of Conservation Importance submitted under section 3.1.1 of Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance (Condition 2.21 of the EP No. EP-519/2016).

7.6.1 Preserved Plant Species of Conservation Importance

Monthly monitoring of a total of twenty-seven (27) individuals of the plant species of conservation importance which are recommended to be preserved *in-situ* and transplantation, were implemented by the Qualified Botanist (QB) under Contract 5, Contract 6, Contract 10 and Contract 11 during the reporting period.

Monthly monitoring was conducted by QB appointed under Contract 5 on 4 September 2026. Branch failure was found at the individual of *Canthium dicoccum* (Tree No. T8217). The failure was suspected to be caused by strong wind induced by Typhoon WIPHA and adverse weather in July 2025. Overall condition of the individual and its remaining part was fair. Third epicormics branch of the individual of *Canthium dicoccum* (Tree No. T8231) was found broken during the inspection on 21 May 2026. The failure is suspected to be caused by external force of strong wind or raining that increased loading on weakly attached epicormic branch. Adverse weather recorded on 19-21 May 2026 attributed to the breakage of the branch. First epicormic branch attached to the individual was found fallen from its own trunk on 3 May 2024 after the inclement weather. A second instance of epicormic failure was found at the individual which was suspected to be caused by the adverse weather in July 2025. The overall condition of the individual and its remaining part was fair. No obvious old termite tracks were found at the individual of *Aquilaria sinensis* (Tree No. U041) under Contract 5 during the reporting period. Peeling off of bark near trunk base was observed at the individual and internal decay was worsening with sounding test. Abnormal bark crack was observed at the individual. The risk of trunk failure was high as the trunk wound was significantly decayed. Adjustment of staking was carried out at the individual. Wound wood development was observed at the individual of *Gmelina chinensis* (Tree No. U042) under Contract 5. Root zone was partially restricted by existing slope surface. Suspected unauthorised cutting was reported at the individual of *Aquilaria sinensis* (Tree No. U043) under Contract 5 on 2 September 2026 and the case was reported to the Hong Kong Police on the same day. Five (5) freshly cut wounds were observed at the individual and nearly half of the circumference was being cut. The concerned area was fenced off by plastic barriers with CCTV monitoring warning label to increase level of security. Fungal fruiting bodies were found on the trunk occasionally and the trunk structure of the individual was weak. The structural condition of the individual would be kept monitoring by QB.

As advised by Contract 6, three (3) individuals of *Aquilaria sinensis* (Tree No. A9, A10, A11) under Contract 6 were found to be felled illegally on 21 August 2023. The case was reported to the Hong Kong Police and EPD on 21 August 2023. However, one of the individuals of *Aquilaria sinensis* (Tree No. A11) was found resprouting. Monthly monitoring was conducted by QB appointed under Contract 6 on 21 September 2026. Application of insecticide was carried out at the individual during the reporting period. The foliage density of the individual was moderate.

Monthly monitoring of a total of eleven (11) individuals of the plant species of conservation importance which are recommended be preserved *in-situ* and transplantation, were implemented by the Qualified Botanist under Contract 10 on 14 September 2026. All individuals were found to be adequately protected by tree protection zones during the reporting period. Dead climbers and

branches from adjacent vegetation entwining the crowns of the two (2) individuals of *Aquilaria sinensis* (Tree No. A-P1 and A-P2) were removed and additional tree support by cabling were provided to improve the stability of AP-1. All individuals of *Aquilaria sinensis* were found to be in stable condition and no significant health issues were identified.

Monthly monitoring of the eight (8) individuals of the plant species of conservation importance which are recommended to be preserved *in-situ* and transplantation, were implemented by the Qualified Botanist under Contract 11 on 29 September 2026. All individuals were found to be adequately protected by tree protection zones during the reporting period. No significant health issues were identified.

Photographic record and tree schedule of the preserved plant species of conservation importance monitoring are provided in **Appendix J**.

ET will continue to monitor the implementation of monitoring of *in-situ* preserved plant species of conservation importance.

7.6.2 Transplanted Plant Species of Conservation Importance

With the approval from EPD, the translocation of the two (2) individuals of *Aquilaria sinensis* to temporary holding nursery in Tai Po as stipulated in the revised Proposal for Plant Species of Conservation Importance for Contract 6 was completed on 29 September 2023. Monthly monitoring and maintenance works (e.g. weeding and watering) for the transplanted individuals for maintain the plant health and survival were carried out until translocation to the receptor site. Monthly monitoring was conducted by QB appointed under Contract 6 on 13 September 2026. The severity of insect feeding at both individuals of *Aquilaria sinensis* (Tree No. A8 and A12) was low during the reporting period. The health of both individuals was poor during the reporting period. Application of mineral oil was carried out. Trunk protection, grass cutting, weeding and regular watering were carried out and the conditions of these individuals were closely monitored.

Photographic record and tree schedule of the transplanted plant species of conservation importance monitoring are provided in **Appendix J**.

8 Implementation Status of Environmental Mitigation Measures

A summary of the Environmental Mitigation Implementation Schedule is presented in **Appendix C**. The necessary mitigation measures were implemented properly for the Project.

9 Summary of Exceedances of the Environmental Quality Performance Limit

No Action/Limit Level exceedance was recorded for the impact air quality monitoring (1-hour TSP) in the reporting period.

No Action/Limit Level exceedance was recorded for the construction noise monitoring in the reporting period.

Five (5) Action Level exceedances and six (6) Limit Level exceedances were recorded for impact water quality monitoring in the reporting period. The investigations on the Action and Limit Level exceedances were conducted and the results were summarised in **Section 4.7**.

No Action/Limit Level exceedance was recorded for impact ecological monitoring in the reporting period.

Cumulative statistics on exceedance are summarised in **Appendix K**.

10 Summary of Complaints, Notification of Summons and Successful Prosecutions

There was no notification of summons or prosecution recorded in the reporting period.

One (1) environmental complaint related to Contract 6 and one (1) environmental complaint related to Contract 10 were received in the reporting period. Investigations were conducted for the environmental complaints in accordance with the complaint handling process as stated in the Complaint Management Plan. Environmental complaint in the reporting period is summarised in **Table 10.1** below.

Table 10.1: Summary of Environmental Complaints

	Complaints	Investigation/Follow Up action(s)
1	Environmental complaint related to Contract 6 was referred by EPD on 22 September 2026 regarding the construction dust nuisance from construction site near Mun Tung Estate	The Contractor has implemented the following mitigation measures specifically to mitigate the potential dust impacts from the construction site: 1. Water spraying at hourly intervals using water truck along Chung Mun Road; 2. Water spraying manually using hoses to minimise dust emission; and 3. Provision of wheel-washing for site vehicles at the site exit. Upon receiving the complaint, the Contractor has installed water sprinklers at haul road to keep the road surface wet as an enhancement initiative at the concerned works area. Weekly site inspection was carried out by RSS and ET on 24 September 2026 at the Bridge A construction site and Chung Mun Road. No visible dust emission or deposited mud were observed at public road near YMCA of Hong Kong Christian College. Account for the above, the performance of the implementation of the dust suppression measures in response to the complaint was satisfactory.
2	Environmental complaint related to Contract 10 was referred by EPD on 28 September 2026 regarding construction dust nuisance from construction site near Lamp Post VA0833	The Contractor has implemented the following mitigation measures specifically to mitigate the potential dust impacts arising from the construction site: 1. Water spraying manually during loading and unloading of rock materials and excavation; 2. Water spraying to minimise dust emission from site area in hourly basis; 3. Covering soil stockpiles and felled tree parts with tarpaulin to minimise dust emissions; and 4. Hard paving site area with rock materials. Weekly site inspection was carried out by RSS and ET at the Road L24 construction site near lamp post VA0833 on 28 September 2026. No visible dust emissions were observed from the construction site during the inspection. Account for the above, no deficiency in practices for the environmental mitigation measures for air quality as implemented by the Contractor was observed at the concerned works area at the time of inspection.

Statistics on complaints, notifications of summons, successful prosecutions are summarised in **Appendix K**.

11 Future Key Issues

11.1 Construction Programme for the Coming Reporting Period

Works to be undertaken in the coming reporting period (October 2026) are summarised in **Table 11.1** below, together with the key issues and the key mitigation measures.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures. The ET will also recommend to the Contractors about the environmental toolbox topics on the abovementioned key issues for the next reporting period.

11.2 Monitoring Schedule for the Coming Reporting Period

The tentative schedules for environmental monitoring in October 2026 are provided in **Appendix L**.

Table 11.1: Major Activities for the next Reporting Period

Activities	Key Issues	Key Mitigation Measures
Contract No. NL/2020/05 ("Contract 5") **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung**		
• Road Work, Drainage Work, Road Surfacing with Asphalt, Defective and Outstanding Reinstatement Work at Part E; • Drainage Construction, Planter Reinstatement and Planting Work, Defective and Outstanding Reinstatement Work at Part F; • Defective and Outstanding Reinstatement Work at Part G; • Defective and Outstanding Reinstatement Work at Part H.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Contract No. NL/2020/06 ("Contract 6") **Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1**		
• Excavation for Maintenance Access, Planting for Riverbed, Riverbed Formation, Watermain Installation for Bridge A, Construction of Top Slab and Wall for Transformer Room, Precast Beam Construction Work for Bridge C, Drainage, Bioswale and Gully Construction, Sloping Work, Temporary Water Main Installation from Bridge A to Bridge B, Backfilling and Sheet-piles Extraction for Temporary Drainage Channel, Construction of Manholes and Box Culvert at Road L29; • Road Work, Utility Work, Water Main Installation and Bioswale Work at Road L30; • Site Clearance, Excavation, ELS Work, Water Main and Rising Main Installation, Hard Paving, Backfilling and Compaction, Sloping Work at Yu Tung Road; • Site Clearance, Excavation, ELS Work, Water Piping Work, Sewerage and Drainage Work, Sloping Work, Backfilling for Cycle Track and Footpath and Underground Utility Installation at Chung Mun Road; • Backfilling at Shek Mun Kap Road; • ABWF Work and E&M Work at Visitor Centre; • ABWF Work and E&M Work at Sewage Pumping Station-A; • Structural Work at Sewage Pumping Station-B; • No-fine Concreting Works and Concreting Work at SATP A01; • Drainage Work, External Construction, Internal ABWF and E&M Works of Transformer Room at SATP A02; • Construction of Pillar Box and Steel Work at SATP A04; • Site Clearance, Excavation and Drainage Work at SATP A07.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works

Activities	Key Issues	Key Mitigation Measures
Contract No. NL/2023/10 ("Contract 10") **Tung Chung New Twon Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung**		
• Site Clearance, Ground Investigation, Tree Felling Work and Piling Work for Abutment D at Road L24; • Site Clearance, Tree Felling Work, Construction of Haul Road and Soil Nail Work at Ma Wan Chung Pumping Station; • Village Sewerage Work at Ngau Au, Ma Wan Chung Village, Wong Ngai Uk, Road L31 and Mun Tung Estate; • Construction of Retaining Wall at Road L22.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Contract No. NL/2023/11 ("Contract 11") **Tung Chung New Twon Extension – Infrastructure Works at Tung Chung Valley, Phase 2**		
• Village Sewerage Work at Shek Lau Po and Shek Mun Kap; • Drainage Pipe Installation and Manhole Construction at Road L26; • Tree and Existing Fence Removal and Haul Road Construction at Road L28; • Temporary Footing Construction at Bridge E.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works
Entrustment Agreement No. ENT/TUE/001 **Construction of Infrastructure Works in the Tung Chung New Town Extension Area**		
• Pile Cap Installation and Structure Lifting at Yu Tung Road Footbridge; • Retaining Wall Construction at Area 33; • Underground Utilities Coordination, Ground Investigation and CLP Cable Installation at Road L31.	• Dust Emission • Handling and storage of C&D materials generated from construction activities • Noise from plant operation • Emission of dark smoke from PMEs • Efficiency of wastewater and drainage management • Tree Protection	• Good site practices • Regular water spraying on stockpiles • Provide tarpaulin sheets coverage on stockpiles • Sorting and reuse of C&D materials as far as practicable • Use of QPME and noise barrier/acoustic mat • Regular maintenance of PMEs • Implementation of wastewater and drainage management • Retain and protect all existing trees and vegetation within the study area which are not directly affected by the works

12 Conclusions and Recommendations

General

This EM&A Report presents the findings of the EM&A activities undertaken for the Project – i.e., Tung Chung New Town Extension (TCNTE) development in Tung Chung West (TCW) – during the period from 1 to 30 September 2026 in accordance with the Updated EM&A Manual and the requirements of the Environmental Permit (EP) (No. EP-519/2016).

Air Quality

No exceedance of Action/Limit Levels was recorded for the air quality monitoring (1-hour TSP) in the reporting period.

Noise

No exceedance of Action/Limit Level was recorded for the construction noise monitoring in the reporting period.

Water Quality

Five (5) Action Level exceedances and six (6) Limit Level exceedances were recorded for impact water quality monitoring in the reporting period.

Ecology

No exceedance of Action/Limit Levels was recorded for impact ecological monitoring in the reporting period.

Environmental Site Inspections

Environmental site inspections were carried out during the reporting period. Recommendations on remedial actions were given to the Contractors for the deficiencies identified during the site inspections.

Environmental Complaint, Notification of Summons or Prosecution

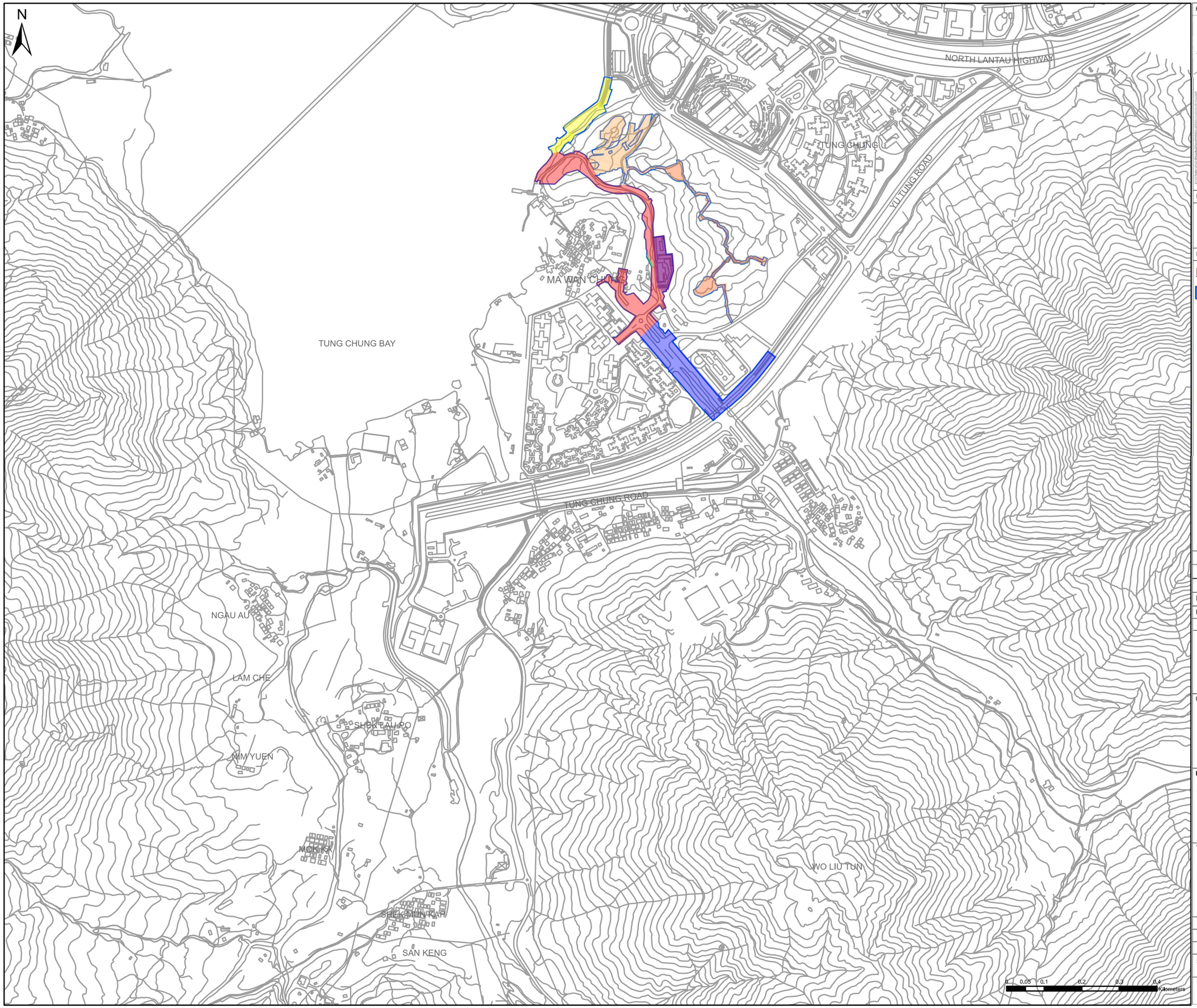
There was no notification of summons or prosecution recorded in the reporting period.

One (1) environmental complaint related to Contract 6 and one (1) environmental complaint related to Contract 10 were received in the reporting period. Investigations were conducted for the environmental complaints in accordance with the complaint handling process as stated in the Complaint Management Plan.

Recommendations

ET will keep track of the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Figures



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- PART D (Handed over to HD)
- PART E
- PART F
- PART G
- PART H
- PART I

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

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Civil Engineering and Development Department

Project

AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION

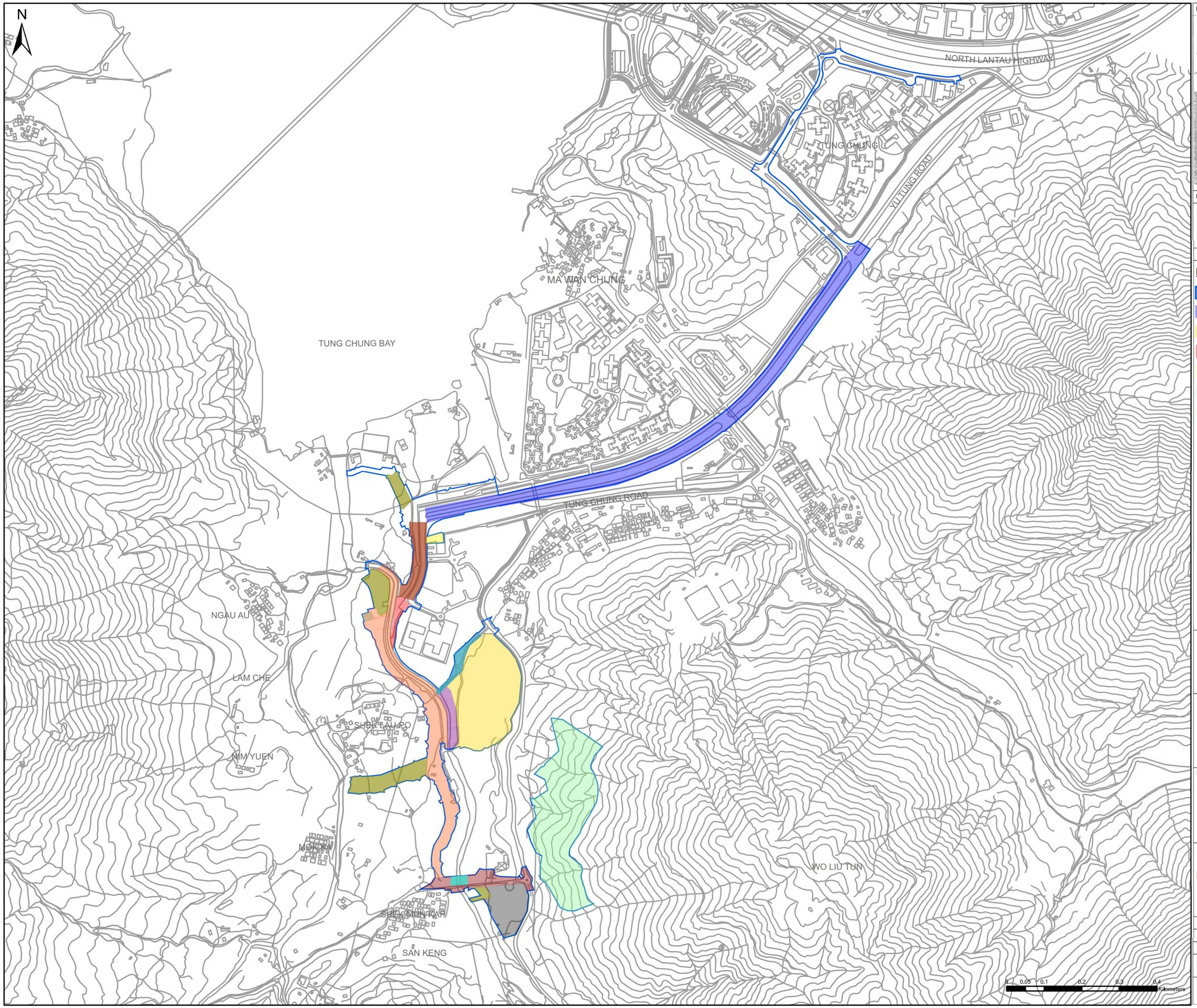
Title

Location of Contract No. NL/2020/05 ("Contract 5")

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

FIGURE 1.1



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- YU TUNG ROAD
- AREA 42 (Handed Over to HD)
- TEMPORARY BRIDGE A
- SEWAGE PUMPING STATION-A
- COMPENSATORY WOODLAND AREA
- ROAD L29
- ROAD L30
- VISITOR CENTRE
- SHEK MUN KAP ROAD
- AREA 46 (Handed Over to HD)
- CHUNG MUN ROAD
- SEWAGE PUMPING STATION-B
- BRIDGE C
- STORMWATER ATTENUATION AND TREATMENT POND (SATP)

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Project

AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION

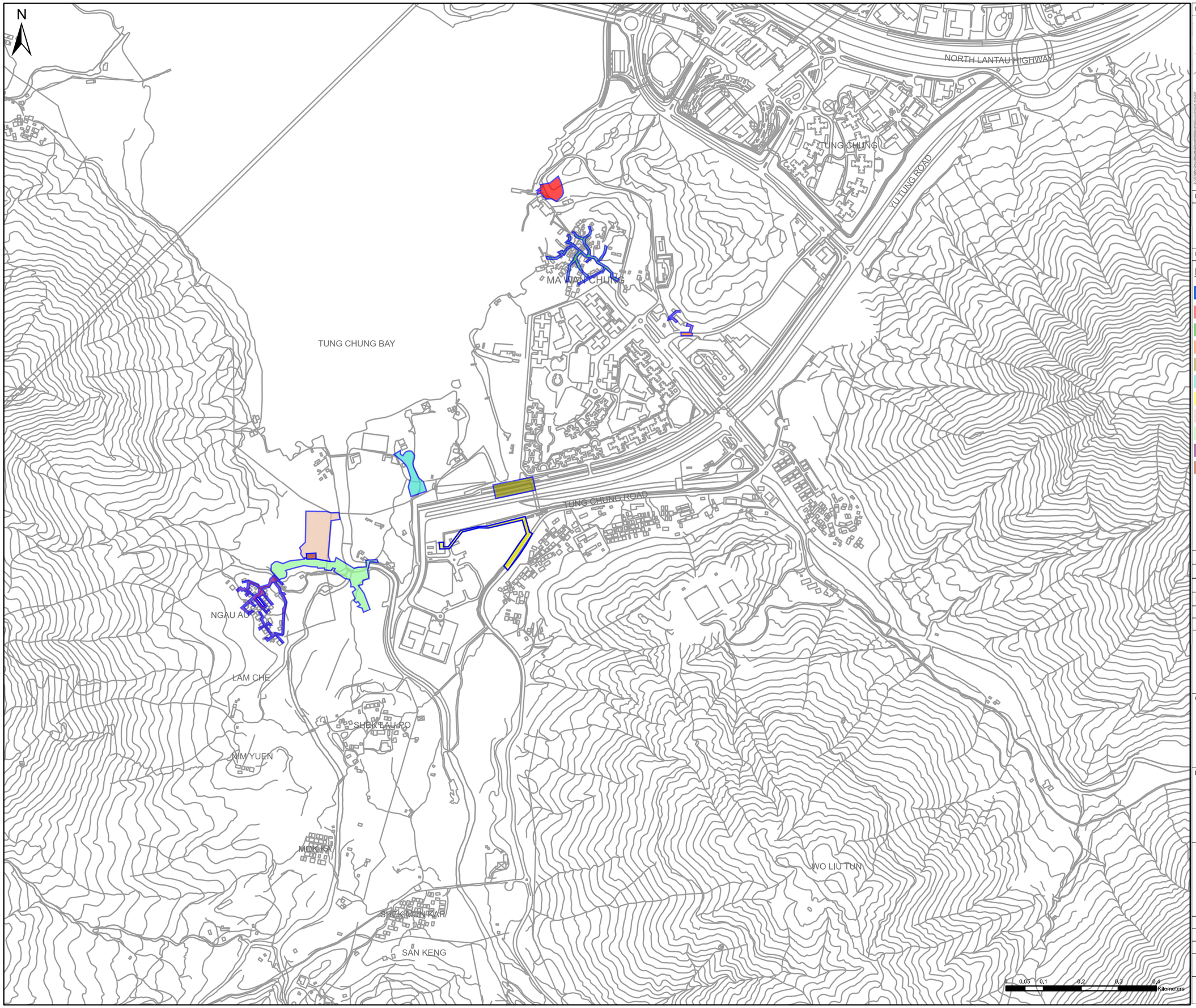
Title

Location of Contract No. NL/2020/06 ("Contract 6")

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

FIGURE 1.2



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- PART A
- PART B
- PART D
- PART E1
- PART F
- PART G
- PART H
- PART I
- PART J
- PART K

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

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Civil Engineering and Development Department

Project

**AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION**

Title

**Location of Contract No. NL/2023/10
("Contract 10")**

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

FIGURE 1.3



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- Part A2
- Part C
- Part D
- Part E
- Part F
- Part G
- Part H
- Part I
- Part J
- Part K
- Part L
- Part M
- Part N

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

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Client

CEDD 土木工程拓展署 Civil Engineering and Development Department

Project

**AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION**

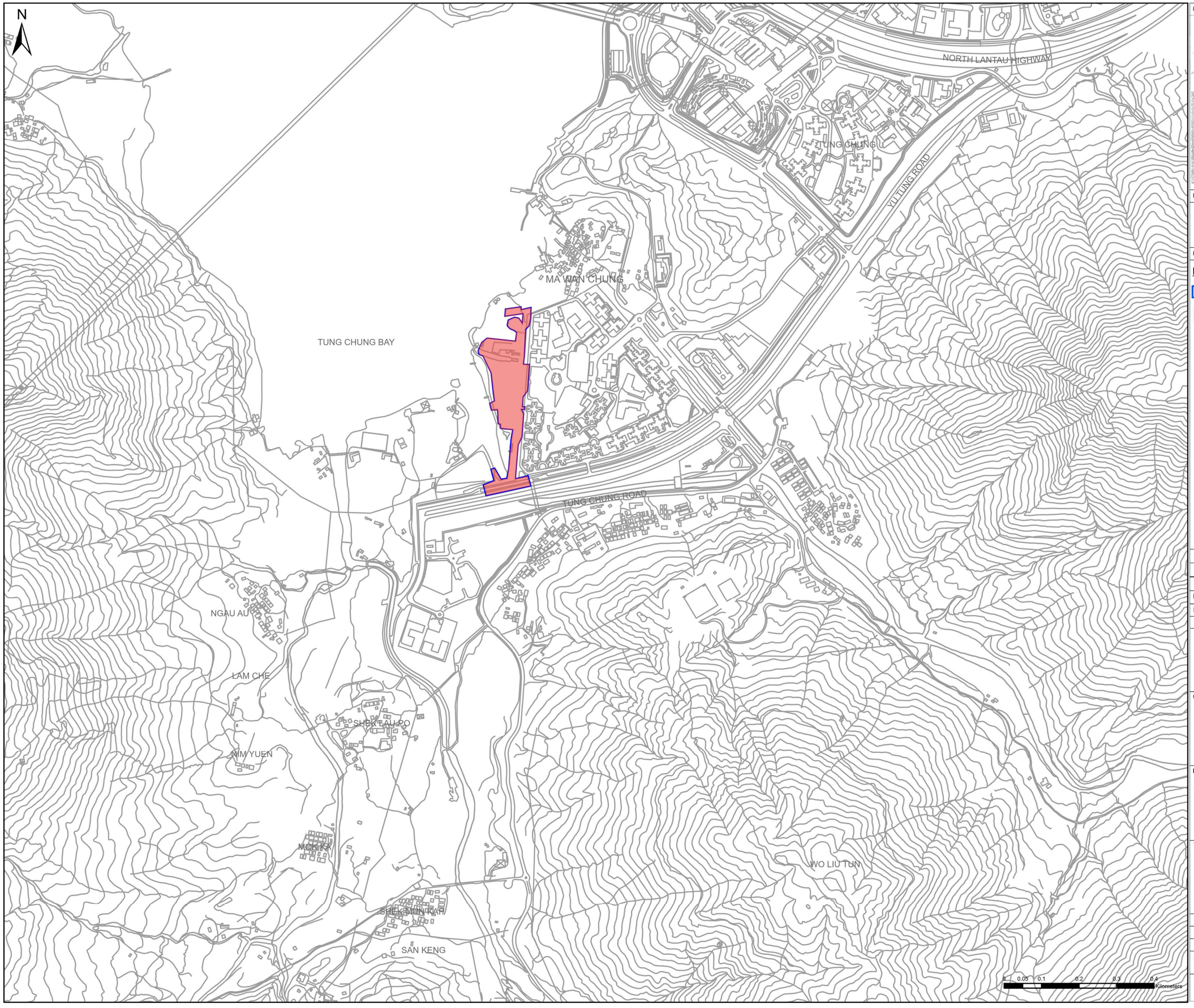
Title

**Location of Contract No. NL/2023/11
("Contract 11")**

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

FIGURE 1.4



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

PROJECT AREA

Entrusted Works Area

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

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Civil Engineering and Development Department

Project

**AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION**

Title

**Location of Entrustment Agreement
No. ENT/TUE/001
("Entrusted Works")**

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

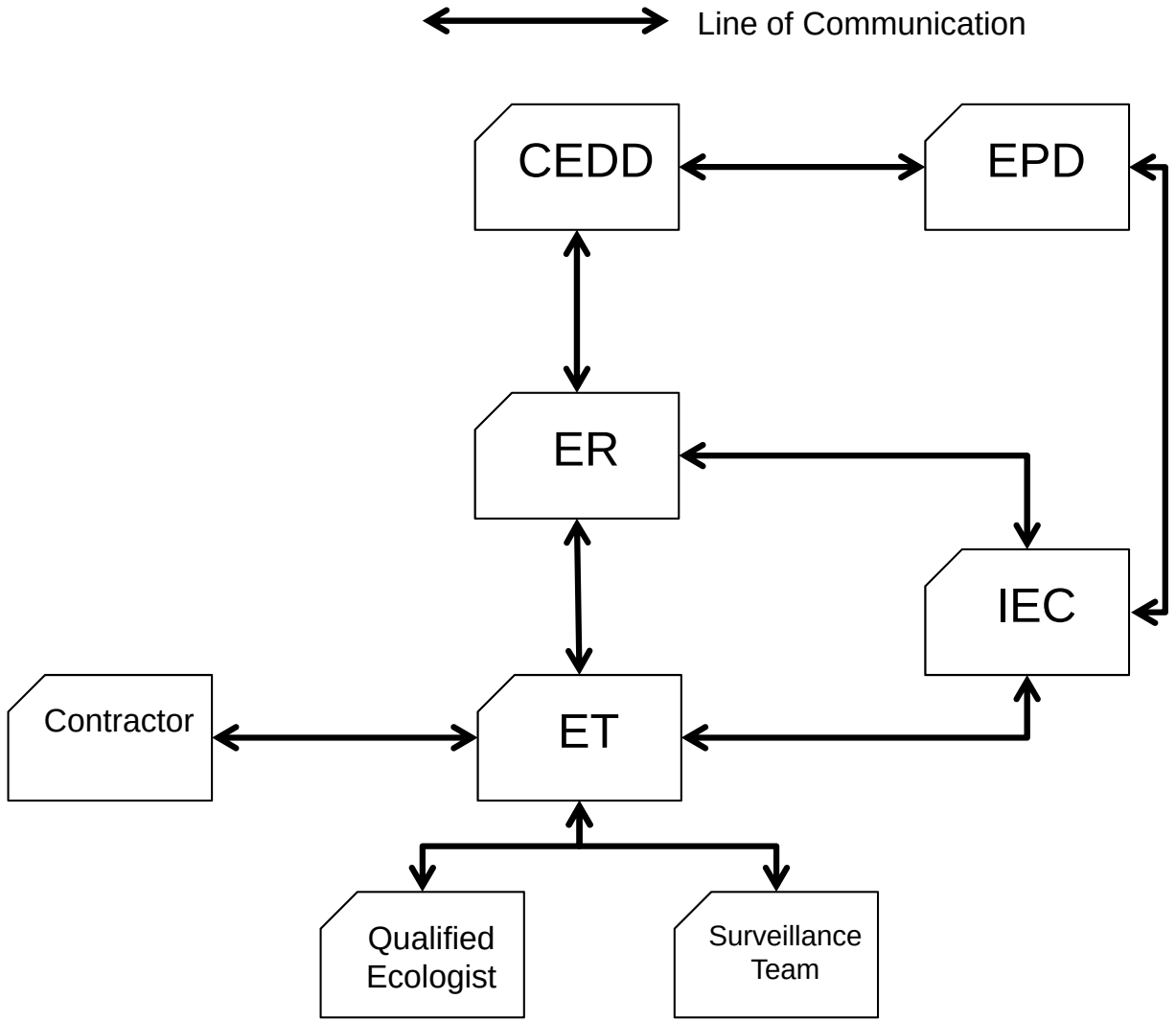
Drawing Number

FIGURE 1.5

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A. Project Organisation

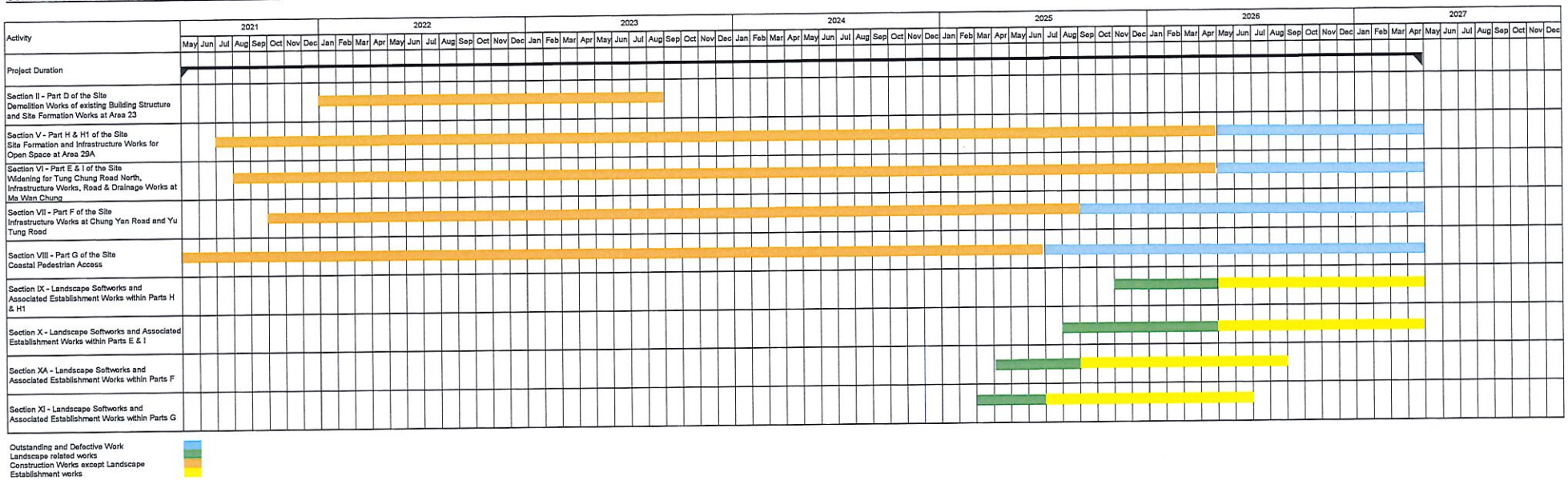

Line of Communication
CEDD
EPD
ER
IEC
Contractor
ET
Qualified Ecologist
Surveillance Team

B. Construction Works Programme

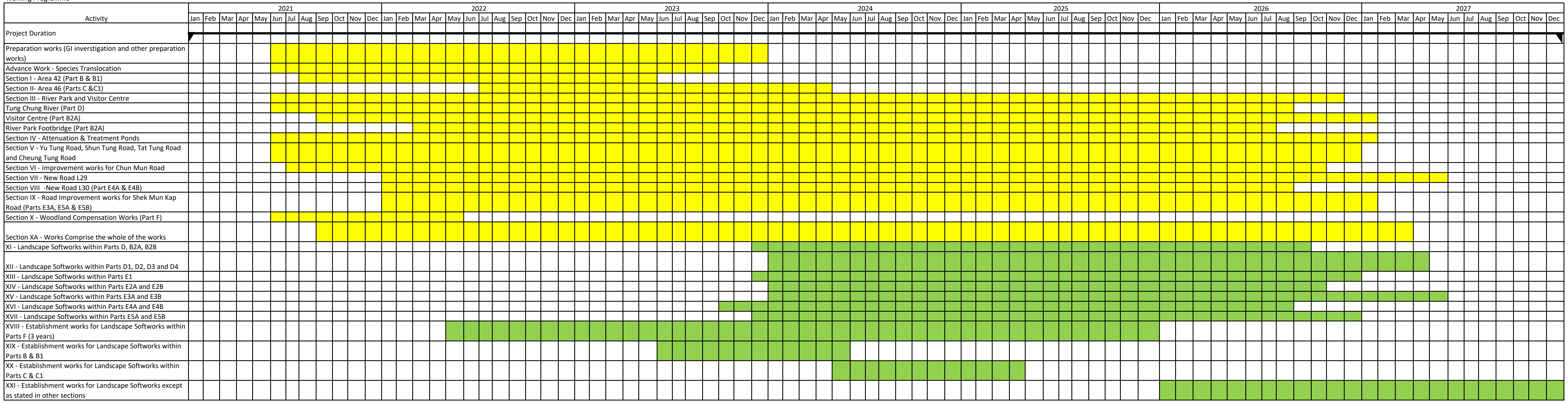
Contract No. NL/2020/05
Contract Title: Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung

Rev. 07
Updated: May 2026

Construction Work Schedule for EP Condition 2.12



Contract No. NL/2020/06
Contract Title: Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase1
Working Programme



Landscape related works
Construction works except Landscape

Contract No. NL/2023/10

Contract Title: Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung

Working Programme

Activity	2025												2026												2027												2028												2029												2030											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Site Preparation Works																																																																										
Section ID (Y) - Maintenance and operation of the yard waste workshop in Part Y																																																																									
Key Date KD4 (Part A) - Soldier Pile Wall																																																																								
Section II (Part A) - MWC-Sewage Pumping Station																																																																								
Section III (Part B, J, D, G) - Sewerage Modification																																																																							
Section IV (Part E1) - Junction of Road L31																																																																							
Section V (Part F) - Road L22																																																																						
Section VI (Part H) - Attenuation and Treatment Ponds AP-06																																																																							
Key Date KD3 (Part I) - Retaining Wall L24-RW5																																																																						
Section VII (Part I) - Road L24 & Bridge D																																																																						
Section VIII (Part K) TCV(N) - SPS except Landscapes																																																																					
Section IXA (Part A) - Landscape Softworks and Associated Establishment Works with Part A of the Site																																																																					
Section IXB (Part F) - Landscape Softworks and Associated Establishment Works with Part F of the Site																																																																					
Section IXC (Part H) - Landscape Softworks and Associated Establishment Works with Part H of the Site																																																																					
Section IXD (Part I) - Landscape Softworks and Associated Establishment Works with Part I of the Site																																																																				
Section IXE (Part K) - Landscape Softworks and Associated Establishment Works with Part K of the Site																																																																			
Section X (each Parts of the Site) - Works related to used or support (Remaining Works)																																																																		

Site Preparation Works

Major Works related to Landscape Works

Major Construction works except Landscape Works

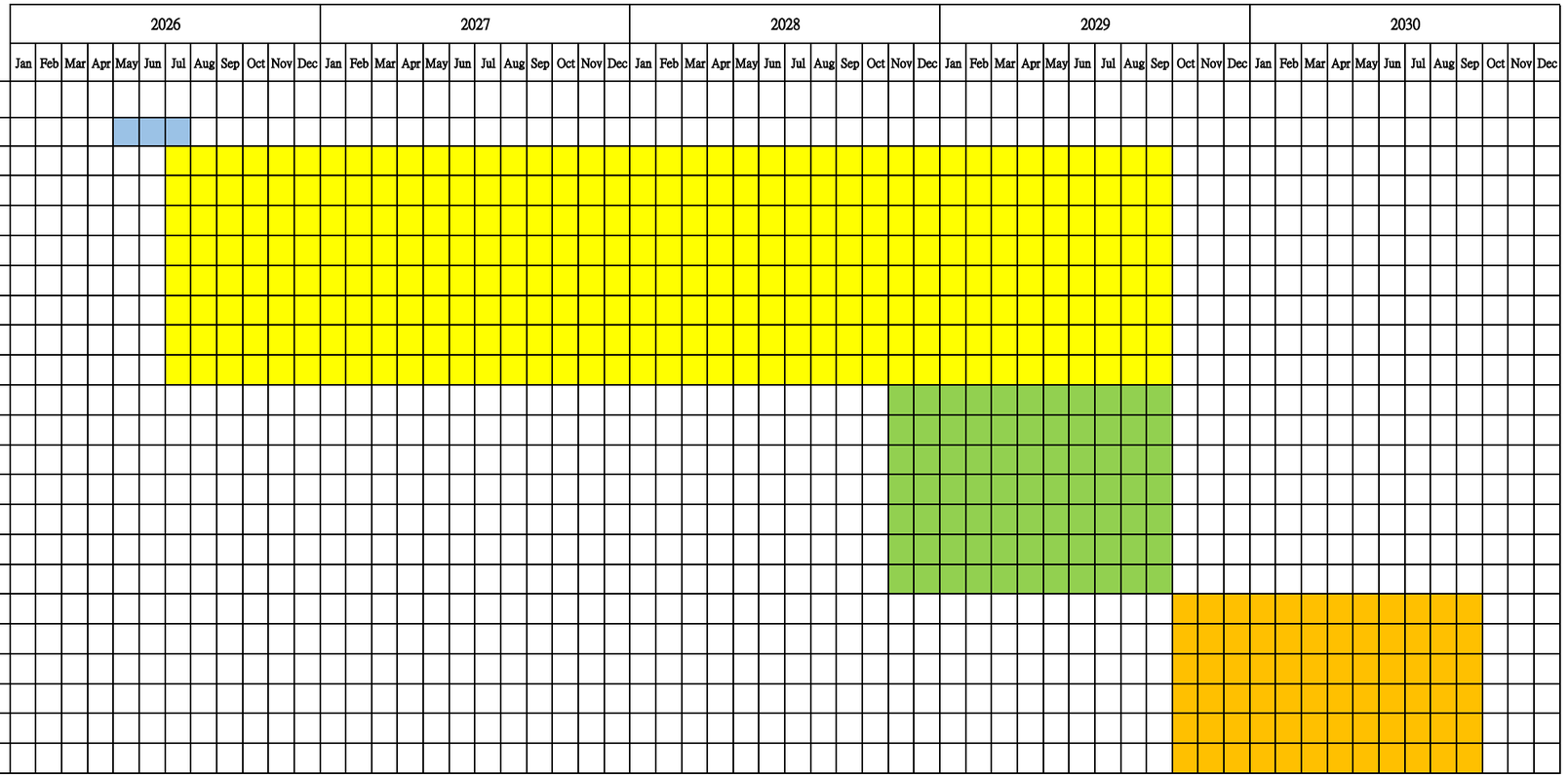
Establishment Works

Contract No. NL/2023/11

Tung Chung New Town Extension - Infrastructure Works at Tung Chung Valley, Phase 2

Working Programme

Item	Section	Part of The Site	Activity
1	All Section	All of the Site	Site Preparation
2	Section II	Part A, B, C, J, N	Ponder and Drainage
3	Section III	Part D, I, L, O	Sewerage Modification Works and Upgrading Works
4	Section IV	Part E	Road L25 and L26, Bridge E
5	Section V	Part K	Road L28, Bridge F
6	Section VI	Part F	Attenuation and Treatment Ponds
7	Section VII	Part H	River Park Phase II, Butterfly Garden
8	Section VIII	Part M	Public Toilet with RCP
9	Section IX	Part G	TCV West Sewerage Pumping Station
10	Section XA	Part A, B, C, J, N	Landscape Softwork
11	Section XB	Part E	Landscape Softwork
12	Section XC	Part K	Landscape Softwork
13	Section XD	Part F	Landscape Softwork
14	Section XE	Part H	Landscape Softwork
15	Section XF	Part K	Landscape Softwork
16	Section XI	Remaining Works	Landscape Softwork
17	Section XIIA	Part A, B, C, J, N	Establishment Works
18	Section XIIB	Part E	Establishment Works
19	Section XIIC	Part F	Establishment Works
20	Section XIID	Part G	Establishment Works
21	Section XIIE	Part H	Establishment Works
22	Section XIIF	Part K	Establishment Works



Site Preparation Works

Major Construction Works except Landscape Works

Landscape Works

Establishment Works

Entrustment Agreement No. ENT/TUE/001
Construction of Infrastructure Works in the Tung Chung New Town Extension Area

Construction Work Schedule for EP Condtition 2.12

Activity	2026												2027												2028					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Construction of Road L31 and associated works																														
Construction of Yu Tung Road footbridge lift																														

Construction works except Landscape
Landscape related works

C. Environmental Mitigation Implementation Schedule

(Relevant pages for the Project works in Tung Chung West, originally extracted from the Updated EM&A Manual, dated July 2026)

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

Notes

- Chapters 1 to 2 of the EIA report present the background information of the Project (Tung Chung New Town Extension) (TCNTE), identified concurrent projects, objectives and scope for various environmental aspects, and description on alternative options and construction description. Chapters 3 to 12 of the EIA report present the EIA findings and mitigation measures are described below with cross-reference to the EIA report. Chapters 13 to 15 of the EIA report describe the environmental monitoring requirements, summary of environmental outcomes and conclusion.
- TCNTE includes Tung Chung East (TCE) and Tung Chung West (TCW).
- Existing construction contracts in TCE and TCW include:
  - Contract No. NL/2017/03 - Tung Chung New Town Extension – Reclamation and Advance Works ("Contract 1 / C1") in TCE
  - Contract No. NL/2020/02 - Tung Chung New Town Extension – Salt Water Supply System ("Contract 2 / C2") in TCE
  - Contract No. NL/2020/03 - Tung Chung New Town Extension – Major Infrastructure Works in Tung Chung East ("Contract 3 / C3") in TCE
  - Contract No. NL/2020/07 - Tung Chung New Town Extension – Tai Ho Interchange ("Contract 7 / C7") in TCE
  - Contract No. NL/2020/05 - Tung Chung New Town Extension – Site Formation and Infrastructure Works at Ma Wan Chung ("Contract 5 / C5") in TCW
  - Contract No. NL/2020/06 - Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1 ("Contract 6 / C6") in TCW
  - Contract No. NL/2023/10 – Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Yu Tung Road and Ma Wan Chung ("Contract 10 / C10") in TCW
  - Contract No. NL/2023/11 – Tung Chung New Town Extension – Infrastructure Works at Tung Chung Valley, Phase 2 ("Contract 11 / C11") in TCW
  - The Entrustment Agreement No. ENT/TUE/001 – Construction of Infrastructure Works in the Tung Chung New Town Extension Area ("TUE") in TCW

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Common Mitigation Measures (Applicable to ALL Project Components, including DPs and Non-DPs)								
Construction Dust Impact								
S3.4.6	D1	Water spraying every hour on exposed worksites and haul road.	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	• APCO • To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation
S3.4.6	D2	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	• APCO • To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S3.4.6	D3	The following dust suppression measures should be incorporated to control the dust nuisance throughout the construction phase: • Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; • Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; • A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones; • The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; • Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road	Minimize dust impact at the nearby sensitive receivers	Contractors	All construction sites in TCE and TCW	Construction stage	• APCO • To control the dust impact to meet HKAQO and TM-EIAO criteria	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; • When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; • The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; • Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; • Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		• Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; • Any skip hoist for material transport should be totally enclosed by impervious sheeting; • 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; • Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; • Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		• Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.						
S3.4.6	D4	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	ET of TCE & ET of TCW	Selected air quality monitoring stations	Construction stage	• TM-EIAO	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Construction Noise								
S4.3.4	N1	Implement the following good site management practices: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Annex 5, TM-EIAO	Under implementation

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S4.3.4	N2	Use of quiet plant which should be made reference to the Powered Mechanical Equipment (PME) listed in the Technical Memorandum or the Quality Powered Mechanical Equipment (QPME) / other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which includes the Sound Power Level (SWLs) for specific quiet PME.	Reduce the noise levels of plant items	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Annex 5, TM-EIAO	Under implementation
S4.3.4	N3	Install movable temporary noise barriers (typical design is wooden framed barrier with a small-cantilevered upper portion of superficial density no less than 7kg/m^2 on a skid footing with 25mm thick internal sound absorptive lining), and full enclosure, screen the noisy plants including air compressors, generators etc.	Screen the noisy plant items to be used at all construction sites	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Annex 5, TM-EIAO	Under implementation
4.3.4	N4	Implement noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	ET of TCE & ET of TCW	Selected noise monitoring stations	Construction stage	• TM-EIAO	Under Implementation
Operational Noise (Road Traffic Noise)								

S4.5.4	N5	Provide a series of noise mitigation measures including low noise surfacing material, noise barriers, facades with no openable window, school boundary walls and architectural fins before occupation of the protected NSRs. Locations of noise mitigation measures are stated as following: Year 2023: • façade with no openable window at B1-1 (Area 99) and B1-2 (Area 100) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at B1-1 (Area 99) and B1-2 (Area 100) for TCE • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108) • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2025: • Façade with no openable window at B1-1 (Area 99), B1-2 (Area 100), D1-1, D1-2 (Area 106), D2-3 (Area 109) and D2-4 (Area 103) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at B1-1 (Area 99), B1-2 (Area 100) and D2-4 (Area 103) for TCE; TCV-1 (Area 60) for TCW • Approx. 60m long, 5m high school boundary wall along Road L3	Reduce operation noise from road traffic	• Mitigation measures at Public Housing developments would be handled by HD including: A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1, C2-1, C2-2 (Area 133), D2-3 (Area 109), D2-4 (Area 103), and E1-5 (Area 122) for TCE, TCV-6 of TCW (Area 42) • Private development would be handled via land lease: A1-1, A1-2 (Area 113), A2-2 (Area 115), A2-3 (Area 116), D1-1, D1-2 (Area 106), E1-4 (Area 125) in TCE, TCV-1 (Area 60) in TCW • School boundary wall along Road L2 and L3 would be handled by ArchSD / future developer	Refer to Figure 6.1, Figure 6.1a-b, Figure 6.2, Figures 6.2a-b, Figure 6.3, Figures 6.3a-d, Figure 6.4, and Figures 6.4a-e of Updated EM&A Manual [For details of LNRS, refer to EP submission under EP condition 2.23]	Prior to operation of the Project for existing NSRs. While for mitigation measures to protect planned NSRs, it should be constructed before population intake of planned NSRs.	• TM-EIAO	TCE: Under implementation TCW: To be implemented

		• Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45º along Road L3 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108) • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45º at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2027: • Façade with no openable window at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-2 (Area 115), A2-3 (Area 116), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), D1-1, D1-2 (Area 106), D2-3 (Area 109) and D2-4 (Area 103) for TCE; TCV-6 (Area 42) for TCW • 1.5m long architectural fin at A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100) and D2-4 (Area 103) for TCE; • 1.8m long architectural fin at A1-1, A1-2 (Area 113), A2-1 (Area 114) and A2-4 (Area 117) • Approx. 60m long, 5m high school boundary wall along Road L3 • Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45º along Road L3 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 (Area 108)		• As school development near (Area 108) has been carried out before project commencement, such measures would not be applicable • Noise barriers along Road D3 and L7 would be handled by C3 • Noise barriers and LNRS along Chung Mun Road, L29 & L30 would be handled by C6				

		• Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45° at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30 Year 2045: • Façade with no openable window at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-2 (Area 115), A2-3 (Area 116), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1, C2-1, C2-2 (Area 133), D1-1, D1-2 (Area 106), D2-3 (Area 109), D2-4 (Area 103), E1-4 (Area 125) and E1-5 (Area 122) for TCE; TCV-1 (Area 60) and TCV-6 (Area 42) for TCW • 1.5m long architectural fin at A2-1 (Area 114), A2-4 (Area 117), B1-1 (Area 99), B1-2 (Area 100), C1-1 (Area 113) and D2-4 (Area 103) for TCE; TCV-1 (Area 60) for TCW • 1.8m long architectural fin at A1-1, A1-2 (Area 113), A2-1 (Area 114), A2-4 (Area 117) and C1-1 (Area 133) • Approx. 100m long, 5m high absorptive vertical barrier along Road D3 • Approx. 50m long, 5m high absorptive vertical barrier with 3m cantilevered arm at 45° along Road L7 • Approx. 60m long, 5m high school boundary wall along Road L3 • Approx. 70m long, 5m high school boundary wall with 3m cantilevered arm at 45° along Road L3						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		• Approx. 80m long, 4m high school boundary wall along Road L2 • Approx. 40m long, 3m high school boundary wall along Road L2 • Approx. 50m long, 4m high school boundary wall at possible school development near Tung Chung Area 39 • Approx. 120m long, 5m high vertical barrier with 3m cantilevered arm at 45º at the corner at junction between Chung Mun Road and Road L29 • Approx. 210m long LNRS along Chung Mun Road • Approx. 160m long LNRS along Road L29 • Approx. 160m long LNRS along Road L30						
Operational Noise (Fixed Noise)								

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S4.6.4	N6	For existing and planned NSRs which are located near to the proposed noise sources, the following tentative noise mitigation measures are considered: • All the pumps should be enclosed inside building structures; • Proper selection of quiet plant to reduce the tonality at NSRs; • Installation of silencer / acoustic enclosure / acoustic louvers for the exhaust of ventilation system. • For underground train stations, sound attenuators with sufficient attenuations can be installed to the ventilation shafts. • Openings of ventilation system should be located away from NSRs.	Reduce operation fixed noise	Relevant government departments / Future Operators	All plant rooms where practicable	Prior to operation of the Project	• Noise Control Ordinance and its TM, TM-EIAO	To be implemented
Operational Noise (Rail Noise)								

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S4.8.4	N7	Before Phase 1 is occupied: • Façade with no openable windows for residential block at B1-2 • 1.5m long architectural fin at B1-2 Before Phase 3 is occupied: It should be noted that Railway Stations at TCE and TCW and its associated railway system is a Designated Project under Item A.2 of Schedule 2 of TM-EIAO. Hence, the proposed mitigation measures are tentative for cumulative assessment purpose in this EIA and all the mitigation measures will be revised by the railway operator during their Schedule 2 EIA. • Approx. 325m long, semi enclosure along the tracks of Tung Chung Line facing B0-2 and COM-1 • Approx. 210m long, semi enclosure along the tracks of Tung Chung Line facing A1-2 and C1-1 • Approx. 390m long, semi enclosure along the track of Tung Chung Line to Tung Chung direction facing C1-1 to C2-1 • Approx. 630m long, semi enclosure along the track of Tung Chung Line to Hong Kong direction facing C1-1 and C2-1	Reduce operation rail noise	Relevant government department(s) / Future Operator	Refer to Figure 6.1, Figure 6.1a-b, Figure 6.2, Figures 6.2a-b, Figure 6.3, Figures 6.3a-d, Figure 6.4, and Figures 6.4a-e of Updated EM&A Manual	Prior to final population intake	• Noise Control Ordinance and its TM, TM-EIAO	Not applicable [Note: The EIA for Tung Chung Line (TCL) Extension was approved in July 2022. According to the EIA report of TCNTE (S.4.8.4.3), the recommended mitigation measures were tentative and would be revised in TCL Extension EIA. Please refer to the updated mitigation measures in EIA Report (AEIAR-235/2022), EM&A Manual and EP (EP No. EP-614/2022) for TCL Extension.]

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Water Quality (Construction Phase)								
S5.4.3	W1	<u>*General Construction Activities*</u> In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), best management practices should be implemented on site as far as practicable. The best practices are detailed below: • At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works. Channels, earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.; • Diversion of natural stormwater should be provided as far as possible. The design of temporary on-site drainage should prevent runoff going through site surface, construction machinery and equipment in order to avoid or minimize polluted runoff. Sedimentation tanks with sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8 m3 capacities, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity shall be flexible and able to handle multiple inputs from a variety of sources and suited to applications where the influent is pumped;	To minimize water quality impact from construction site runoff and general construction activities	Contractors	All construction sites in TCE and TCW, where applicable	Construction stage	• Water Pollution Control Ordinance • ProPECC PN1/94 (Note: updated to PN2/24) • TM-EIAO • TM-DSS	Under implementation

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		• The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/sediment trap. The silt/sediment traps should be incorporated in the permanent drainage channels 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. The detailed design of the sand/silt traps should be undertaken by the contractor prior to the commencement of construction; • Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed. 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; • All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;						

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		• If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; • All open stockpiles of construction materials (for example, aggregates, sand and fill material) 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; • 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; • Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events; • 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 sited wheel washing facilities should be provided at every construction site exit where						

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		practicable. Wash-water 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 wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains; • Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain; • Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts; • All fuel tanks and storage areas should be provided with locks and sited 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 water sensitive receivers nearby; and • Regular environmental audit on the construction site should be carried out in order to prevent any malpractices. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or						

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		wastewater into the water bodies, mangroves and open sea.						
S5.4.3	W2	*Sewage from workforce* • Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance; • Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project; • Regular environmental audit on the construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.	To minimize water quality from sewage effluent in construction phase	Contractors	All construction sites in TCE and TCW, where practicable	Construction stage	• Water Pollution Control Ordinance • TM-DSS	Under implementation
S5.4.3	W3	*Construction Works and Bridge Works near Tung Chung Stream* • Use precast structures or other similar approaches [TCW only]	To prevent any construction works in river and avoid any direct water quality impact to Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Construction sites in TCW (C6, C10 & C11), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W4	*Construction Works of Sewage Pumping Stations* • A buffer zone of about 20m or about 30m will	To avoid any direct water quality impact to Tung	Contractor (TCW: C6, C10 &	Construction sites in TCW (C6, C10 &	Construction stage	• ProPECC PN1/94 (Note: updated to	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		be zoned to prevent any construction works near river. [TCW only]	Chung Stream	C11)	C11), where practicable		PN2/24)	
S5.4.3	W5	*Construction Work of Fresh Water and Salt Water Reservoirs* • Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCE only]	To avoid water quality impact	Contractor (TCE: C2)	Construction sites in TCE (C2), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W6	*Construction of Storm Water Management Facilities and Polder Scheme* • Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCW only]	To avoid any direct water quality impact to Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Construction sites in TCW (C6, C10 & C11), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.4.3	W7	*Groundwater and Runoff for Tunnel Works* • Cut-and-Cover method for the underpass at Road D1 in Tung Chung East to minimise the intrusion of groundwater. Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters or drainage. [TCE only]	To avoid water quality impact	Contractors (TCE: C3)	Construction sites in TCE (C3), where practicable	Construction stage	• ProPECC PN1/94 (Note: updated to PN2/24)	Under implementation
S5.5.8	W8	*Good Management Practice in Construction*	To avoid water	Contractor	Construction	Construction	• ProPECC	Completed

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		Phase The following good site management practices shall be adopted for the filling works: • Water quality monitoring shall be implemented to ensure effective control of water pollution and recommend additional mitigation measures required; • The decent speed of grabs shall be controlled to minimize the seabed impact and to reduce the volume of over-dredging; • A perimeter silt curtain shall be installed during the entire reclamation periods; • Barges or hoppers shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation; • Excess materials shall be cleaned from the decks and exposed fittings of barges before the vessels are moved; • Plants should not be operated with leaking pipes and any pipe leakages shall be repaired quickly; • Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; • 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; and	quality impact	(TCE: C1)	sites in TCE (C1), where practicable	stage	PN1/94 (Note: updated to PN2/24)	

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		• The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. [TCE only]						
S5.5.8	W9	• The recovered C&D materials for filling would be ensured no floating or non-inert material by visual inspection, quality assurance, etc. [TCE only]	To avoid water quality impact	Contractor (TCE: C1)	Construction sites in TCE (C1), where practicable	Construction stage	• Waste Disposal Ordinance	Completed

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Water Quality (Operational Phase)								
S5.6.10	W10	The following mitigation measures will be implemented to TCV East, North and West SPS, upgraded CMRSPS, proposed TCE West SPS and TCE East SPS • 100% standby pump capacity with spare pump of 50% pump capacity • Dual-feed power supply • Wet well storage providing up to 6-hours ADWF capacity (equivalent to about 4 hours of response time during peak flow condition) (for TCW) and ADWF capacity to be constructed in accordance with the latest requirement of DSD's Sewerage Manual (for TCE); and • Emergency communication mechanism amongst relevant government departments.	To prevent the impact due to the emergency discharge at TCW and TCE	DSD (TCE: C3 TCW: C6, C10 & C11)	Proposed Sewage Pumping Stations in TCW (C6, C10 & C11) (TCV West SPS, TCV East SPS, TCV North SPS and Upgraded CMRSPS) and TCE (C3) (TCE West SPS and TCE East SPS)	Operational Stage	• DSD's Sewerage Manual (Third Edition, May 2013)	To be implemented for operational stage
S5.6.10	W11	The following mitigation measures will be implemented to gravity sewers and rising mains • Adopt high density polyethylene (HDPE) pipe for proposed gravity sewers and rising mains. • Further protection on proposed rising mains with concrete surround will be provided to mitigate the risk of bursting.	To minimize the risk of bursting and hence bursting discharge from gravity sewers and rising mains	DSD (TCE: C3 & C7 TCW: C5, C6, C10 & C11)	Proposed rising mains within TCE (C3 & C7) and TCW (C5, C6, C10 & C11)	Operational Stage	-	Under implementation
S5.6.10	W12	<u>*Maintenance Dredging for the Proposed Marina*</u> Silt curtain should be deployed to reduce the sediment dispersion from the dredging inside the	To reduce the sediment dispersion	Future operator	Proposed marina in TCE	Operational Stage	-	Not applicable

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		marina. [TCE only]						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Sewage and Sewerage Treatment Implications								
S6.5.4	SS1	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.	To prevent the impact due to the emergency discharge at TCW and TCE	DSD (TCW: C6, C10 & C11) (TCE: C3)	Proposed Sewage Pumping Stations (TCV West SPS, TCV East SPS, TCV North SPS and Upgraded CMRSPS) at TCW Proposed Sewage Pumping Stations (TCE West SPS and TCE East SPS) at TCE	Operational stage	N/A	To be implemented for operational stage
S6.5.4	SS2	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.						

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

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S6.5.4	SS3	The following mitigation measures will be implemented to prevent pipe bursting on Rising Mains within TCE and TCW: • Strong pipe – use HDPE pipe with welded joints • Concrete encasement – concrete surround all rising mains	To minimize the risk of bursting and hence bursting discharge from gravity sewers and rising mains	DSD (TCE: C3 & C7 TCW: C5, C6, C10 & C11)	Proposed rising mains within TCE (C3 & C7) and TCW (C5, C6, C10 & C11)	Operational stage	N/A	To be implemented for operational stage

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Waste Management (Construction Waste)								

S7.4.1	WM1	<u>Good Site Practices</u> The following good site practices are recommended throughout the construction activities: • nomination of an approved personnel, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; • training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling; • provision of sufficient waste disposal points and regular collection for disposal; • imposition of penalty system on Contractors' improper behaviours when illegal dumping and landfilling outside their respective construction sites, i.e. on nearby farmlands and riverbanks, are reported; • appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and • the contractor should prepare a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP) in accordance with the ETWB TC(W) No. 19/2005 for construction phase. The EMP should be submitted to the Engineer for approval. Mitigation measures proposed in the EIA Report and the EM&A Manual should be adopted.	Minimize waste generation during construction	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation

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S7.4.1	WM2	<u>Waste Reduction Measures</u> Waste reduction is best achieved at the planning and design phase, as well as by ensuring the implementation of good site practices. The following recommendations are proposed to achieve reduction: • segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal; • proper storage and site practices to minimize the potential for damage and contamination of construction materials; • plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste; • sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); • provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.	Reduce waste generation	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S7.4.1	WM3	Storage of Waste The following recommendation should be implemented to minimize the impacts: • waste such as soil should be handled and stored well to ensure secure containment; and • Depends on actual site activities, certain locations within the site area would be used for storage of waste to enhance reuse. However, there would not be any designated location for storage of waste, and the storage locations would need to be adjusted to suite actual site conditions;	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractors	All construction sites in TCE and TCW	Construction stage	• Land (Miscellaneous Provisions) Ordinance • Waste Disposal Ordinance • ETWB TCW No. 19/2005	Under implementation
S7.4.1	WM4	Collection and Transportation of Waste The following recommendation should be implemented to minimize the impacts: • remove waste in timely manner; • employ the trucks with cover or enclosed containers for waste transportation; • obtain relevant waste disposal permits from the appropriate authorities; and • disposal of waste should be done at licensed waste disposal facilities.	Minimize waste impacts from storage	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation

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S7.4.1	WM5	<u>Excavated and C&D Materials</u> Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and ensure acceptability at public fill reception facilities or reclamation sites. The following mitigation measures should be implemented in handling the excavated and C&D materials: • maintain temporary stockpiles and reuse excavated fill material for backfilling; • carry out on-site sorting; • make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; and • implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified, so as to avoid the illegal dumping and landfilling of C&D materials on farmlands/ riverbanks at TCW; The recommended C&D materials handling should include: • On-site sorting of C&D materials • Reuse of C&D materials • Use of Standard Formwork and Planning of Construction Materials purchasing	Minimize waste impacts from excavated and C&D materials	Contractors	All construction sites in TCE and TCW	Construction Stage	• Land (Miscellaneous Provisions) Ordinance • Waste Disposal Ordinance • ETWB TCW No. 19/2005 • Project Administrative Handbook for Civil Engineering Works, 2012 Edition (Note: updated to 2024 Edition)	Under implementation

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S7.4.1	WM6	Provision of Wheel Wash Facilities Wheel wash facilities have to be provided at the site entrance before the trucks leaving the works area. Dust disturbance due to the trucks transportation to the public road network could be minimized by such arrangement.	Minimize waste impacts from trucks transportation	Contractors	All construction sites in TCE and TCW	Construction Stage	N/A	Under implementation
S7.4.1	WM7	Excavated Contaminated Soil As a precaution, it is recommended that standard good site practice should be implemented during the construction phase to minimize any potential exposure to contaminated soils or groundwater. [TCW only]	Remediate contaminated soil	Contractors (TCW: C5, C6, C10 & C11)	All construction sites in TCW (C5, C6, C10 & C11), where applicable	Construction stage	• Practice Guide for Investigation and Remediation of Contaminated Land (Note: updated in Apr 2023)	Completed (TCW: C5, C6, C10 & C11)

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S7.4.1	WM8	Excavated Marine Sediments Reference has been made to the sediment testing results. Possible mitigation measures to handle the contaminated/ uncontaminated sediment are summarized as follows. • All construction plant and equipment shall be designed and maintained to minimise the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location. • All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. • Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.	Handle excavated sediment	Contractor	All construction sites where applicable	Construction stage	• ETWB-TCW 34/2002	Not applicable [Note: No excavated marine sediments in both TCE & TCW.]

S7.4.1	WM9	<u>Dumping of excavated sediment</u> • Keep and produce logs and other records to demonstrate compliance and ensure journeys are consistent with designated locations • Comply with the conditions in the dumping permit. • All bottom dumping vessels (hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material. • The excavated sediment shall be placed into the disposal pit by bottom dumping. • Contaminated marine mud shall be transported by split barge of not less than 750m^3 capacity and capable of rapid opening and discharge at the disposal site. • Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Sediment adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site. • For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping into designated mud pit. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, 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 at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.	Handle excavated sediment	Contractor	All construction sites where applicable	Construction stage	• ETWB-TCW 34/2002	Not applicable [Note: No excavated marine sediments in both TCE & TCW.]
S7.4.1	WM10	<u>Chemical Waste</u>	Control the chemical waste and ensure proper	Contractors	All construction	Construction stage	• Waste Disposal (Chemical Waste)	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		If chemical wastes are produced at the construction site, the Contractors should register with EPD as chemical waste producer. Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste collector. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	storage, handling and disposal.		sites in TCE and TCW		General) Regulation • Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	
S7.4.1	WM11	<u>General Refuse</u> • General refuse should be stored in enclosed bins separately from construction and chemical wastes. Recycling bins should also be placed to encourage recycling. • Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean. • A reputable waste collector should be employed to remove general refuse on a daily basis.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractors	All construction sites in TCE and TCW	Construction stage	• Waste Disposal Ordinance	Under implementation
S7.4.1	WM12	<u>Floating Refuse accumulated along the seawall</u> The floating refuse along seawall should be collected to avoid accumulation. In addition, proper seawall design should be employed, and regular checking and cleaning of floating refuse should be implemented.	Control floating refuse and ensure proper disposal	Contractor (TCE: C1)	Construction sites in TCE (C1) along seawall	Construction stage	• Waste Disposal Ordinance	Completed

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		[TCE only]						
Waste Management (Operational Waste)								
S7.4.2	WM13	Illegal dumping and landfilling Should there be illegal dumping and landfilling observed/ reported, the government authority should take all necessary actions including but not limited to prosecution to remediate the circumstances.	Prevent waste from illegal dumping and landfilling	EPD / Relevant government departments	All areas in TCE and TCW	Operational stage		To be implemented
S7.4.2	WM14	Municipal Solid Waste • A reputable waste collector should be employed to remove general refuse on a daily basis. • A 4-bin recycling system for paper, metals, plastics and glass should be adopted together with a general refuse bin. They should be placed in prominent places to promote waste separation at source. All recyclable materials should be collected by recyclers.	Remove general refuse generated from the proposed development	FEHD / Relevant Operators	All areas in TCE and TCW	Operational stage	• Waste Disposal Ordinance	To be implemented
S7.4.2	WM15	Chemical Waste • Localized chemical waste storage areas should be located close to the source of waste generation for temporary storage. Drum-type containers with proper labelling should be used to collect chemical wastes for storage at the designated areas. • A licensed collector should be employed for the chemical waste collection and the chemical wastes should be disposed at an appropriate facility, such as Chemical Waste Treatment	Reduce chemical waste due to waste handling	Relevant Operators	All areas in TCE and TCW	Operational stage	• Waste Disposal Ordinance	To be implemented

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		Centre (CWTC) in Tsing Yi. • Collection receipts issued by the licensed collector showing the quantities and types of chemical waste taken off-site and details of the treatment facility should be kept for record.						
S7.4.2	WM16	Floating Refuse accumulated along seawall • The floating refuse along seawall should be collected to avoid accumulation. [TCE only]	Control floating refuse and ensure proper disposal	MD	Along seawall in TCE	Operational stage	• Waste Disposal Ordinance	To be implemented
S7.4.2	WM17	Floating Refuse inside Marina • Floating refuse at the marina will be collected and disposed by the licensed waste collector and as required. [TCE only]	Reduce floating refuse washing up onto marina by currents and wind	Future operator	Marina in TCE	Operational stage	• Waste Disposal Ordinance	Not applicable

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Land Contamination								

S8.4.1	LC1	Undertaking environmental Site Inspection (SI) for all potentially contaminated sites as listed in the Contamination Assessment Plan (CAP). [TCW only]	Verify the land contamination potential before the commencement of construction	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers	All potentially contaminated sites in TCW as listed in the CAP	Prior to the construction stage	• Annex 19 of the TM-EIAO, Guidelines for Assessment of Impact On Sites of Cultural Heritage and Other Impacts (Section 3 : Potential Contaminated Land Issues) (Note: updated on 30 Jun 2023); • Guidance Manual for Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management (Note: updated in Apr 2023); • Guidance Notes for Contaminated Land Assessment and Remediation (Note: updated in Apr 2023); and • Practice Guide for Investigation and Remediation of Contaminated Land (Note: updated in Apr 2023) • Recommendations in Health Risk Assessment	Completed (C5, C6 & C10) Under implementation (C11)

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S8.4.2	LC2	Re-appraisal would be required for the surveyed sites, other remaining areas of the PDAs and the works areas for the associated infrastructures because the development of these sites/ areas would only commence a number of years later, which may allow changes in the land usage of these sites and may give rise to potential land contamination issues. The Project Proponent's appointed consultant would prepare a supplementary CAP presenting the findings of the re-appraisal and strategy of the recommended SI, if required, and submit to EPD for review and approval. [TCW only]	To assess the latest site situation and identify any potential additional hot spots and contaminated sites.	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)
S8.5	LC3	After approval of the supplementary CAP and upon completion of the SI works, the PP should prepare and submit a Contamination Assessment Report (CAR) for all potentially contaminated sites listed in the CAP to EPD for agreement. [TCW only]	Present the findings of SI and evaluate the level and extent of potential contamination	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (Area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)

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S.8.5	LC4	Preparation and submission of Remediation Action Plan (RAP) to EPD for agreement if land contamination is confirmed. [TCW only]	Recommend appropriate mitigation measures for the contaminated soil and groundwater identified in the assessment if remediation is required	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (Area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)
S.8.5	LC5	Preparation and submission of Remediation Report (RR) to EPD for agreement. [TCW only]	Demonstrate that the decontamination work is adequate and is carried out in accordance with the endorsed CAR and RAP	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Private developers in TCV-1 (area 60)	All the surveyed sites as listed in the CAP, other remaining areas of the PDAs and works areas for the associated infrastructures in TCW	Prior to the construction of the area	Ditto	Completed (C5, C6 & C10) Under implementation (C11)

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Ecology (Design Phase)								
S9.8.1	EC1	Development under the Project have avoided all the recognised sites of conservation importance, including Country Parks, SSSIs, EISs, and existing / proposed Marine Parks	To protect the recognised sites of conservation importance and habitats inside	PlanD	TCE and TCW	RODP / Design Phase	• Not available	Completed in OZP (Ref.: S/I-TCE/2, S/I-TCV/3, S/I-TCTC/24)
S9.8.1	EC2	About 30m buffer zone at the two main branches and the joined outlet section of Tung Chung Stream; and about 20m buffer for the major tributary at Ngau Au of Tung Chung Stream [TCW only]	To protect the Tung Chung Stream	PlanD	Tung Chung Stream in TCW	RODP / Design Phase	• Plan on Provision of Buffer Zones	Completed
S9.8.2	EC3	Detailed designs should avoid the encroachment of important habitats (e.g. Fung Shui Wood) within the Project Site [TCW only]	To protect the important habitats within Project Site	PlanD	TCW	Design Phase	• Not available	Completed
S9.8.2	EC4	Detailed designs of noise barriers to prevent bird collision	To prevent bird collision	CEDD (TCE: C3 and TCW: C6) / HyD	Noise barriers in TCE and TCW	Design Phase	• Guidelines on Design of Noise Barriers (Note: updated in Dec 2022)	Under implementation

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S9.8.2	EC5	Mitigation measures will be implemented to TCV East, North and West SPS, and upgraded CMRSPS to prevent the impact due to the emergency discharge, details please refer to W10.						
Ecology (Construction Phase)								
S9.8.2	EC6	Adoption of non-dredged reclamation method [TCE only]	To maintain the marine water quality	Contractor (TCE: C1)	Reclamation area in TCE	Construction phase	• EIA • Contractual requirements	Completed
S9.8.3	EC7	Compensation woodland planting	To compensate loss of woodland, fung shui wood and orchard	Contractors (TCE: C2 & C3 TCW: C6)	Uphill of Sheung Ling Pei FSW and Tung Chung Road	Construction phase	• EIA • Contractual requirements • Detailed Compensatory Woodland Planting Plan	Completed
S9.8.3	EC8	Planting of emergent plant [TCW only]	To provide habitats for this Jhora Scrub Hopper, and to compensate the loss of their habitats (wet abandoned agricultural land) in northern section of Fong Yuen	DSD / Contractor (TCW: C6)	Inside River Park in TCW	Construction phase	• EIA • Contractual requirements • River Park Plan	Under implementation

S9.8.3	EC9	Capture-and-translocation exercise [TCW only]	Minimize the potential impact to amphibian species of conservation importance including Romer's Tree Frog and Chinese Bullfrog due to site formation	For public works, provided by CEDD / Contractor (TCW: C6, C10 & C11) responsible for the construction of those public works or the site formation works For TCV-1 (Area 60) and TCV-5 (Area 71A, 71B), where the lands within mostly belong to private lots, the future project proponents of those private lots, via the established mechanism for land transaction application	Public works near the eastern branch of Tung Chung Stream, in particular 1) the River Park, 2) the Distributor Road along the eastern branch of Tung Chung Stream, 3) the road upgrade along the existing Shek Mun Kap Road, and 4) the attenuation and treatment ponds in TCV-l, TCV-a, TCV-c, TCV-e, TCV-g, TCV-k, and TCV-n in TCW Also be required on private land in TCV-1 (Area 60) and TCV-5 (Area 71A, 71B) in TCW	Capture-and-translocation exercise before commencement of site formation	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance	• Completed for C6, C10 & C11 on public works or site formation works
S9.8.3	EC10	Preservation and/or Transplantation of plant species of conservation importance and the following monitoring of	Protection of plant species of conservation importance	For public works, provided by CEDD / Contractors (TCE: C2 & C3	Within construction sites in TCE (C2 & C3) and TCW (C5,	For preservation and/or transplantation, before commencement	• EIA • Contractual requirements • Explanatory	• Under implementation for C2, C3, C5, C6, C10 & C11 on public works or site formation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		preserved/transplanted plant individuals		and TCW: C5, C6, C10 & C11) responsible for the construction of those public works or the site formation works For TCV-1 (Area 60), where the lands within mostly belong to private lots, the future project proponents of those private lots, via the established mechanism for land transaction application	C6, C10 & C11) and their receptor sites during construction and establishment periods All areas for public works Also be required on private land in TCV-1 (Area 60) in TCW	of site formation, construction period and establishment period.	statement of the OZP (for private lots) • Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance	works • To be implemented for TCV-1 (Area 60) on private land

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S9.8.3	EC11	Defining and maintaining construction site boundaries (including erection of site hoarding, fences etc.) [TCW only]	Screen construction disturbance to the nearby habitats	Contractors (TCW: C5, C6, C10 & C11)	Along the boundary of construction sites and buffer zones of Tung Chung Streams, along the boundary of mature woodland and Fung Shui Wood, and along the boundary between TCV-6 (Area 42 as handled by HD) and the middle section of Fong Yuen in TCW (C5, C6, C10 & C11)	Before commencement of site formation	• EIA • Contractual requirements	Under implementation
S9.8.3	EC12	Protection of Tung Chung Stream [TCW only]	Minimize the potential water pollution due to construction of road crossings or other works near Tung Chung Stream	Contractor (TCW: C6, C10 & C11)	Within construction sites in TCW (C6, C10 & C11)	Construction phase	• EIA • Contractual requirements	Under implementation

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S9.8.3	EC13	Implementation of standard site practices	Minimize the potential impact due to dust, noise and runoff during construction phase	Contractors	Within construction sites in TCE and TCW	Construction phase	• EIA • Contractual requirements	Under implementation
S9.8.4	EC14	Adopting Eco-shoreline design [TCE only]	To mitigate the impact of the marine loss	CEDD (TCE: C1)	Along seawall in TCE (C1)	Construction stage	• EIA • Contractual requirements • Eco-shoreline Implementation Plan	Completed
S9.8.4	EC15	Strict enforcement on no-dumping (marine) [TCE only]	Minimise the potential impact to marine habitats	Contractor (TCE: C1 & C3)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1 & C3)	Before and during construction phase	• EIA • Contractual requirements	Completed (TCE: C1) Under implementation (TCE: C3)
S9.8.4	EC16	Spill response plan [TCE only]	Minimise the potential impact to marine habitats	Contractor (TCE: C1)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1)	Before and during construction phase	• EIA • Contractual requirements • Spill Response Plan	Completed

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S.9.8.4	EC17	Control and minimization of marine traffic by including using larger-sized barges, land transportation of materials, reuse of excavation and C&D materials and speed limits & regular routes of works vessels [TCE only]	Reduce marine traffic	Contractor (TCE: C1 & C3)	In reclamation area as well as all works area and travel route of works vessels in TCE (C1)	Construction phase	• EIA • Contractual requirements • Works Vessel Travel Route Plan	Under implementation (C3) Completed (C1)
S9.8.4	EC18	Dolphin exclusion zone and dolphin watching plan [TCE only]	Protection of CWD	Contractor (TCE: C1)	In reclamation area as well as all works area in TCE (C1)	Construction phase	• EIA • Contractual requirements • Dolphin Watching Plan	Completed
S9.8.4	EC19	Speed limits and regular routes of works vessels; Prepare and submit a "Works Vessel Travel Route Plan" [TCE only]	Protection of CWD	CEDD / Contractor (TCE: C1 & C3) / ET of TCE	In reclamation area as well as all works area in TCE (C1)	Construction phase	• EIA • Contractual requirements • Works Vessel Travel Route Plan	Under implementation (C3) Completed (C1)
S9.11.1	EC20	Monitoring of compensatory planting woodland	Monitor the survival of trees and establishment of the woodland	CEDD / Contractors (TCE: C2 & C3 TCW: C6)	Areas of compensatory woodland planting in TCE and TCW	Quarterly for at least 3 years and further 7 years by CEDD/further contractor(s) after completion of planting works	• EIA • Contractual requirements • Detailed Compensatory Woodland Planting Plan	Under implementation

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S9.11.1	EC21	Monitoring of translocated amphibians [TCW only]	Monitor the effectiveness of the translocation programme	Public works: CEDD / Contractor (C6, C10 & C11) Private lots: Private developers	Release sites for translocated amphibians in TCW	After translocation exercise. At least three surveys in each release site in TCW during the breeding seasons of Romer's Tree Frog (March to September) and Chinese Bullfrog (March to September)	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance	Under implementation for C10 & C11 [Note: No amphibian found in capture surveys conducted for C6]

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S9.11.1	EC22	Monitoring of preserved / transplanted plant species	Monitor and evaluate the effectiveness of the preservation and transplantation programme.	Public works: CEDD / Contractors (TCE: C2 & C3 and TCW: C5, C6, C10 & C11) Private lots: Private developers	Construction sites for preserved plants; recipient sites for transplanted plants	After transplantation or preservation. For transplanted individuals, for two years, monthly for the first year, and then quarterly for the second year. For the preserved individuals, monthly throughout the construction period.	• EIA • Contractual requirements • Explanatory statement of the OZP (for private lots) • Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance	• Under implementation for public works
S9.11.1	EC23	Monitoring of Tung Chung Stream and Wong Lung Hang Stream EISs	Protect the EISs	CEDD / ET of TCW for monitoring of Tung Chung Stream in TCW / ET of TCE for monitoring of Wong Lung Hang Stream	Tung Chung Stream in TCW and Wong Lung Hang Stream in TCE	Construction phase and post-construction phase	• EIA • Contractual requirements	• Under implementation for TCW • Not applicable for TCE (C2 only) [Note: Monitoring of Wong Lung Hang Stream in TCE not needed in further environmental review (applicable to C2 only)]

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9.11.2	EC24	Monitoring of Tung Chung Bay and Tai Ho Wan [TCE only]	Protect Tung Chung Bay and Tai Ho Wan	CEDD / ET of TCE	Tung Chung Bay and Tai Ho Wan in TCE	Construction phase and post-construction phase	• EIA • Contractual requirements	Completed
Ecology (Operational Phase)								
S9.11.1	EC25	Monitoring of emergent plant inside River Park [TCW only]	Monitor the survival of emergent plant	DSD / Contractor (TCW: C6)	Three months after completion of planting in River Park in TCW	Quarterly for 2 years after completion of planting works	• EIA • Contractual requirements • River Park Plan	To be implemented
9.11.2	EC26	Eco-shoreline monitoring [TCE only]	Monitor the colonisation and establishment of fauna and/or flora, water quality, and recruitments of fisheries species	CEDD / Contractor (TCE: C3)	Eco-shoreline at TCE PDA reclamation	Post-construction phase, twice in wet and dry seasons respectively, at least 3 years, subject to review on monitoring extension	• EIA • Contractual requirements • Eco-shoreline Implementation Plan	Under implementation

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Fisheries								
S10.8	F1	Good Site Practices [TCE only]	To protect the fisheries resources	Contractors (TCE: C1, C2, C3 & C7)	In reclamation area and construction sites of TCE (C1, C2, C3 & C7)	Construction phase	• EIA • Contractual requirements	Under implementation Completed (C1)
S10.8	F2	No dumping [TCE only]	To protect the fisheries resources	Contractors (TCE: C1, C2, C3 & C7)	In reclamation area and construction sites of TCE (C1, C2, C3 & C7)	Construction phase	• EIA • Contractual requirements	Under implementation Completed (C1)
S10.8	F3	Spill response plan [TCE only]	To protect the fisheries resources	Contractors (TCE: C1)	In reclamation area and construction sites of TCE (C1)	Construction phase	• EIA • Contractual requirements • Spill Response Plan	Completed
S10.9	F4	Follow the mitigation measures proposed in the water quality assessment for the construction and operation phases of the project. [TCE only]	To protect the fisheries resources	Contractor (TCE: C1)	Waters in Northern Lantau and construction sites of TCE (C1)	Construction phase and operation phase	• EIA • Contractual requirements	Completed

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S10.9	F5	Follow the mitigation measure of eco-shoreline in ecology chapter for the construction and operation phases of the project. [TCE only]	To enhance the fisheries resources	Contractor (TCE: C1)	Eco-shorelines and construction sites of TCE (C1)	Construction phase and operation phase	• EIA • Contractual requirements	Completed

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Landscape and Visual (Construction Phase)								
S11.7 MM1	LV1	Optimisation of Construction Areas & Providing Temporary Landscape on Temporary Construction – Construction areas' control shall be enforced, where possible, to ensure that the landscape and visual impacts arising from the construction activities are minimised. It includes reduction of the extent of working areas and temporary works areas, management on storing and using the construction equipment and materials, and consideration of detailed schedules to shorten the construction period. Temporary landscape treatments are considered to be adopted such as applying hydro-seeding on temporary stockpiles and reclamation areas to alleviate the potential impacts.	Minimise the landscape and visual impacts arising from the construction activities	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Construction Phase		Under implementation

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S11.7 MM2	LV2	Minimize Topographical Change – The footprint of construction elements and temporary works areas should be optimised to reduce topographical/ landform changes, as well as reduce land take and interference with natural terrain. Where there is a need to significantly cut into the existing landform, retaining walls and cut slopes should be considered as appropriate. To minimize landform changes and land resumption, earthworks and engineered slopes should be designed to be a visually interesting, compatible with the surrounding landscape and to mimic the natural contouring and terrain as appropriate.	Reduce topographical changes and minimize land resumption	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Prior to Construction & Construction Phase	• GEO Publication No.1/2011, Technical Guidelines on Landscape Treatment for Slopes	Under implementation

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S11.7 MM3	LV3	Preservation of Potentially Registerable OVTs, Rare and Protective Vegetation – Exiting trees to be retained within the Project Site should be carefully protected during construction. In particular Potentially Registerable OVTs are considered to be preserved according to DEVB TC(W) No. 5/2020. Rare and Protective Vegetation shall be protected following Forestry Regulations (Cap.96) and Protection of Endangered Species of Animals and Plants Ordinance (Cap.586). Detailed Tree Protection Specification shall be provided in the Contract Specification according to DEVB TCW No. 4/2020 Tree Preservation. Following DEVB (GLTM) Guidelines for Tree Preservation during Development, 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. A detailed tree survey will be carried out for the Tree Preservation and Removal Proposal (TPRP) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction & Construction Phase	• DEVB TC(W) No. 5/2020 (Note: amended on 12 Apr 2023) and DEVB TC(W) No. 4/2020 (Note: amended on 12 Apr 2023). • Greening, Landscape and Tree Management Section (GLTM) of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	Under implementation

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S11.7 MM4	LV4	Transplanting of Existing Trees – Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor locations within the site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with DEVB TCW 5/2020 and LAO PN 6/2023 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted. HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.	Transplant Trees where suitable for transplantation	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Onsite in TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11), where possible, otherwise consider offsite locations	Prior to Construction & Construction Phase	• DEVB TC(W) No. 5/2020 (Note: amended in 2023) and LAO PN 6/2023. • HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	Under implementation

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S11.7 MM5	LV5	Screen hoarding – To reduce negative visual impact, construction site hoarding should be erected around the site to screen pedestrian level views into the construction area from visual sensitive receivers. Hoarding design should consider greening measures such as colour and form should be adopted to improve its visual appearance.	To screen undesirable views of the work site.	CEDD / Contractors and TCW / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCE area and TCW area	Construction Phase		Under implementation
S11.7 MM6	LV6	Adopting Non-dredge Method for the Reclamation – In order to minimize the potential adverse impacts caused by the reclamation, a number of alternative construction methodologies has been critically examined. After considering all the options such as fully dredged, partially dredged and non-dredged methods for seawall construction and reclamation, non-dredged method for both the seawall construction and reclamation are recommended so as to minimize the generation of dredged sediment. [TCE only]	Minimize the potential adverse impacts caused by the reclamation	CEDD / Contractor (TCE: C1)	TCE area (C1)	Construction Phase	• Foreshore and Sea-bed (Reclamations) Ordinance (Cap.127)	Completed

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S11.7 MM7	LV7	Protection of Natural Rivers and Streams – For all the natural rivers and streams inside the development area, in accordance with ETWB TCW 5/2005, consideration of protection measures should be made to minimize any impacts from the construction works, especially those development near Tung Chung Stream. According to the latest RODP/OZP, a 30m buffer zone is zoned as "CA", "CPA" and "OU". Precast structures or other similar approaches will be used to prevent / minimise any construction works in river and thus to avoid any direct water quality impact. Good site management as stipulated in ProPECC PN1/94 will be fully implemented to avoid polluted liquid or solid wastes from falling into the river waters. [TCW only]	Protection of Natural Rivers and Streams Minimize the impacts from the construction works	CEDD / Contractor (TCW: C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out TCW area (C6, C10 & C11)	Prior to Construction & Construction Phase	• EPD ProPECC PN1/94 Construction Site Drainage (Note: updated to PN 2/24) • DSD Technical Circular No. 2/2004. • ETWB TC(W) No.5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works • Plan on Provision of Buffer Zones	Under implementation
S11.7 MM8	LV8	Preservation of Natural Coastline – The natural coastline along the proposed "RO" of the RODP in TCW should be preserved. The remaining natural shorelines in Tung Chung Bay including sandy shores close to the Tung Chung old pier will be conserved as a Waterfront Park according to the latest RODP. [TCW only]	Preservation of Natural Coastline	CEDD / Other Relevant Government Departments (as appropriate)	Onsite in TCW (C5), where possible	Prior to Construction & Construction Phase		Under implementation

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S11.7 MM9	LV9	Providing Natural Rock Material/ Planting for Artificial Seawall – There would be inevitable permanent losses of marine waters (seabed and water column), and direct impacts on existing artificial seawalls due to the reclamation. To minimize the impacts, the design of the future seawall like 'eco-shoreline' could be improved to provide high ecological functions and mitigate the impact of the loss. An 'eco-shoreline' is any shoreline which provides beneficial functions to the local ecosystem through a range of active or passive solutions, whilst providing coastal protection. By means of using natural rock materials for artificial seawall and considering to introduce a native vegetation buffer directly behind the top of seawalls as appropriate to create habitat, shelter and a source of food for benefiting both terrestrial and aquatic species along the foreshore, these measures can help to enhance the ecological functions and 'natural-look' of the shoreline, and the potential impacts will be mitigated. [TCE only]	Mitigate the impacts on existing artificial seawalls	CEDD / Other Relevant Government Departments (as appropriate)	Onsite in TCE (C1)	Prior to Construction & Construction Phase	● Eco-shoreline Implementation Plan	Completed
Landscape and Visual (Operational Phase)								

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S11.7 MM10	LV10	Compensatory Planting – Compensatory planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under DEVB TCW No. 10/2013 and LAO PN 7/2007. The location of compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes including roadside planting, as well as the open areas within development lots. The species to be planted should be all native species, taken "Characteristics of Major Local Tree Species Propagated by AFCD" as a reference. A search of species to be planted will be conducted in a further detailed stage.	Compensate for trees and shrubs lost due to the Project	CEDD / Contractors (TCE: C2, C3 & C7) and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Onsite in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11), where possible	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• DEVB TC(W) No.10/2013 (Note: updated version DEVB TC(W) No. 7/2015) and LAO PN 7/2007 (Note: updated version of LAO Practice Note No. 2/2020). • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015)	• Under implementation

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S11.7 MM11	LV11	Woodland Restoration – A search of area to mitigate the loss of woodland has been conducted. Priority has been given to the practicability of compensation of woodland within the boundary of RODP/OZP. Given the nature of the project is to provide development opportunities to satisfy the needs for the society in general and the aspirations of local communities, compensation of woodland is only possible for the areas beyond the RODP/OZP. It is considered that the areas adjoining the woodlands near the existing services reservoirs, and hillsides to the east of Tung Chung Road, would be suitable locations. The advantage of these locations is that there are existing woodlands immediately downhill to the location and the Sheung Ling Pei Fung Shui Wood is further downhill behind Sheung Ling Pei Village, planting new woodland areas adjoining existing woodlands would form an ecological linkage and increase the overall habitat size, and hence would help to enhance the ecological and landscape values in the long run. It is noted that the compensation trees for landscape impacts will also be planted near the future service reservoirs. The tree species to be planted should be all native species for woodland compensation, and the two areas uphill to Sheung Ling Pei should also make reference to the existing tree species reported in Fung Shui Woods habitat.	Reprovide areas of woodland to compensate for those areas of quality woodland lost	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Areas adjoining the woodlands near the existing service reservoirs in TCE and hillsides to the east of Tung Chung Road in TCW	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• DEVB Technical Circular Works 10/2013- Tree Preservation (Note: updated version DEVB TC(W) No. 7/2015) • GLTM of the Development Bureau, Guidelines on Tree Preservation during Development (April, 2015) • Detailed Compensatory Woodland Planting Plan	Under implementation

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S11.7 MM12	LV12	Screen Planting – Tall screen/buffer trees and shrubs should be planted to screen proposed structures such as roads and buildings. This measure will form part of the compensatory planting and will improve compatibility with the surrounding environment and create a pleasant pedestrian environment.	To screen proposed structures Improve compatibility with the surrounding environment	CEDD / Contractors (TCE: C2, C3 & C7 and TCW: C5, C6, C10 & C11) / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out the working sites of the TCE area (TCE: C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• HyD HQ/GN/15– Guidelines for Greening Works along Highways.	To be implemented
S11.7 MM13	LV13	Roadside Planting – Roadside greening is proposed alongside all roads within the possible developments. It will enhance local identity, if theme planting is used, and reduce visual impact through screening. At-grade road planting should be considered along central dividers and on road islands e.g. in the middle of roundabouts.	Soften the hard, straight edges and provide greening along the roads; Improve the visual amenity	Relevant Government Departments	Along new roads, and on appropriate viaducts in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• HyD HQ/GN/15– Guidelines for Greening Works along Highways. • Development Bureau Technical Circular Works No.2/2012 – Allocation of Space for Quality Greening on Roads (Note: updated version No. 3/2024)	To be implemented

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S11.7 MM14	LV14	Aesthetic Design of Built Development – The planning of the revised RODP/OZP has considered reducing potential visual impacts, enhancing visual amenity and keeping visual corridors. The proposed development will ensure the building massing is compatible with its surrounding. To improve visual amenity, natural building materials could be used on building facades. For example, stone and timber should be considered for architectural features; light earthy tone colours such as shades of green, shades of grey, shades of brown and off-white should be considered for the façade treatment to reduce the visibility of the development components. The form, textures, finishes and colours of the proposed development components should aim to be compatible with the existing surroundings. It would only be implemented for public developments/projects.	Improve visual amenity of the new buildings, keep visual corridors and integrate as possible into the surrounding landscape	Relevant Government Departments / Private Sectors	Through-out the TCE area (C2, C3 & C7) and TCW area (C5, C6, C10 & C11)	Prior to Construction, Maintenance in Operation Phase	• Hong Kong Planning Standards and Guidelines (HKPSG) issued by the Planning Department (As at Aug 2011) (Note: updated in January 2024); • PNAP APP-152, Sustainable Building Design Guidelines (Note: updated version in September 2023)	Under implementation

S11.7 MM15	LV15	Maximise Greening on Structures – The Government has been actively promoting greening in buildings and structures such as bridges to improve the environment. This includes actively implementing rooftop greening or vertical greening, as where practicable to enhance the cityscape and mitigate the heat island effect in urban areas. For the new built forms in TCW and TCE, it is considered the implementation of the following greening measures could alleviate the landscape and visual impacts of new development and help the development blend in with its surrounding landscape: • Sky Garden: Refuge floors or voids in building mass formed by partial removal of floor plates on certain building storeys or provision of freed up areas on certain building storeys provide opportunities for sky gardens for the proposed built development. It can allow views through the development to the background formed by the natural hillsides and enhance the visual amenity effectively. For public developments, relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be referred to. For private developments, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. • Green Roof: The Architectural Services Department completed the Study on Green Roof Application in Hong Kong in 2007 which reviewed the latest concepts	Maximise Greening coverage Enhance visual amenity, create visual corridors and integrate as possible into the surrounding landscape	Relevant Government Departments / Private Sectors	On appropriate buildings and structures in TCE (C2, C3 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• Development Bureau Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects • PNAP APP-152, Sustainable Building Design Guidelines (Note: updated version in September 2023)	To be implemented

		and design technology of green roof and recommended technical guidelines suitable for application in Hong Kong. The study will be taken into account to the new buildings to be built in TCW and TCE. Landscape and visual impact can be alleviated and the landscape and visual value can be enhanced. For private development, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. Relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be reference. For public developments, relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be referred to. For private developments, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. • Vertical Green: Planting of climbers to grow up vertical surfaces where appropriate (e.g. building edges), to soften hard structures and facilities. Relevant technical document Technical Circular (Works) No. 3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be observed. For public developments, relevant technical document Technical Circular (Works) No.						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		3/2012 Site Coverage of Greenery for Government Building Projects by Development Bureau in 2012 shall be reference. For private development, it is only applicable to sites with inadequate greening coverage and should be implemented in accordance with Sustainable Building Design Guidelines PNAP APP-152. • Greening on infrastructure: Planting could be provided on infrastructure such as bridges where appropriate to enhance greenery to soften its built edges. Screen planting could be provided near infrastructure to reduce any undesirable visual impacts.						

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
S11.7 MM16	LV16	Noise barrier design – The visual impact of noise mitigation measures will be mitigated by appropriate detailed design, including suitable combination of transparent and sound absorbent materials, appropriate colour selection of panels and supporting structures, or provision of at-grade planting of trees, shrubs and/or climbers camouflage to the barriers, as well as design of supporting structures to incorporate a high level of quality and aesthetics. A combination of transparent panels at top and solid panels at bottom would lighten the visual impact, and at the same time maintain the attractiveness by using colourful panels. The noise barriers would be implemented for District Distributor Roads and Local Distributor Roads at both TCE and TCW area.	Minimize the visual impact from the structures of noise barriers	CEDD/ Contractors (TCE: C3 and TCW: C6) / HyD	Noise barriers within the TCE area (TCE: C3) and TCW area (C6)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• GLTM of the Development Bureau's Guidelines on Greening of Noise Barriers (April 2012). • Guidelines on Design of Noise Barriers by HyD and EPD (Note: updated version in 2022 edition)	Under implementation

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S11.7 MM17	LV17	Landscape Treatment for Polders & Attenuation Ponds – There would be polders and attenuation ponds in TCW. While they are primarily used for receiving and treating surface runoff and alleviating the flood risk during heavy rainfall, the design of those has provided an opportunity to have a synergy to enhance both the ecological and landscape values together. Depending on detailed design, part of these attenuation ponds (mainly the biofiltration zone) could be refined in an appropriate manner, without compromising its primary functions of treating surface runoff and flood protection, to incorporate ecological and landscape design such as planting of aquatic plants and butterfly foodplant for providing the landscape and ecological enhancement. [TCW only]	Enhance the landscape and visual value	CEDD / DSD	Polders & Attenuation Ponds in TCW (C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase		Under implementation
Landscape and Visual (Construction & Operational Phase)								
S11.7 MM18	LV18	Landscaping on Slopes – Hydro seeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape resources and character. Woodland tree seedlings and/ or shrubs should be planted where gradient and site conditions allow. In addition, landscape planting should be provided for the retaining structures associated with modified slopes where condition allow.	Enhance landscape value, plant diversity and their visual appearance	CEDD / Contractors (TCE: C2 & C7 and TCW: C5, C6, C10 & C11)	Onsite in TCE (C2 & C7) and TCW (C5, C6, C10 & C11)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• GEO Publication No.1/2011 Technical Guidelines on Landscape Treatment for Slopes by CEDD in 2011	Under implementation

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S11.7 MM19	LV19	Landscape Treatment on Channelized Watercourses – For the channelized watercourses in Tung Chung Stream that will be dechannelized, the Drainage Services Department Practice Note No.1/2005 – Guidelines on Environmental Considerations for River Channel Design, should be considered and appropriate measures included ensuring the new watercourses match the existing as far as possible. Measures can include enhancement planting to upgrade the channels as appropriate, including consideration of wetland planting along embankments where appropriate; as well as consideration of the best materials for the channel lining (e.g. gabion). [TCW only]	Avoid direct impacts on the watercourse Improve the visual amenity	CEDD / Contractor (TCW: C6)	The channelized watercourses throughout the TCW area (C6)	Prior to Construction, Construction Phase & Maintenance in Operation Phase	• Drainage Services Department Practice Note No.1/2005 – Guidelines on Environmental Considerations for River Channel Design (Note: updated version No. 1/2015)	Under implementation
S11.7 MM20	LV20	Light Control – Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the construction stage. Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	Minimize negative glare impact to adjacent VSRs	CEDD / Contractors / HD / Other Relevant Government Departments (as appropriate) / Private Sectors	Through-out the TCE area and TCW area	Construction Phase & Operation Phase		Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Cultural Heritage Impact (Construction and Operational Phase)								
S.12.5	CH1	Terrestrial Archaeology • Implement rescue excavations/ survey-cum-rescue excavations/ further surveys after land resumption and prior to any construction works (see **Figure 14.1** for the locations of rescue excavations/survey-cum-rescue excavations/further survey) [TCW only]	1) Rescue excavations to salvage archaeological data and cultural materials 2) Survey-cum-rescue excavations to better locate and design the follow up rescue excavations 3) Further surveys to obtain sufficient data for formulation of appropriate mitigation measures	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Future Private Developer(s)	After land resumption and prior to any construction works	After land resumption and prior to any construction works	• Guidelines for Cultural Heritage Impact Assessment • TM-EIAO Annex 10 and Annex 19 • Antiquities and Monuments Ordinance	• Under implementation (C11) • Completed (C5, C6 & C10)
S.12.5	CH2	Terrestrial Archaeology • Implement watching brief during construction phase (see **Figure 14.1** for the locations of watching brief) [TCW only]	To identify and record any archaeological material or features revealed during construction phase	CEDD / Contractors (TCW: C5, C6, C10 & C11) / Future Private Developer(s)	During construction phase	During construction phase		• Under implementation (C11) • Completed (C5, C6 & C10)

Environmental Mitigation Implementation Schedule – Tung Chung New Town Extension

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
EM&A Project								
S13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual.	Control EM&A Performance	CEDD	All construction sites in TCE and TCW	Construction stage	• EIAO Guidance Note No.4/2010 • TM-EIAO	Under implementation
S13.2 – 13.4	EM2	1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.	Perform environmental monitoring & auditing	CEDD	All construction sites in TCE and TCW	Construction stage	• EIAO Guidance Note No.4/2010 • TM-EIAO	Under implementation

Document Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Works Vessel Travel Routes (Extracted from Works Vessel Travel Route Plan submitted under Condition 2.13 of the EP) (TCE only) [Note: All reclamation and marine works were completed in August 2023. EP condition 2.13 was updated (Version: December 2024) for the additional transportation arrangement to the West Lagoon Area after the completion of reclamation.]								
S3.2	WVTR1	All works vessels shall be equipped with Global Positional System (GPS) or equivalent automatic identification system (AIS) for real time tracking and monitoring of their travel routing, speed and anchorage points. The system shall be capable to record and analyse the travel routing, speed and anchorage points.	Control EM&A Performance	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed (C1) Under implementation (C3)
S3.3.1	WVTR2	1) Once approaching or leaving the entrance of the silt curtain, all vessels will travel at a speed no greater than 8 knots between the site and boundary of The Brothers Marine Park. The vessels can then navigate at normal speed (8-12 knots) after that distance unless other restrictions are imposed. 2) If any dolphins are sighted within 250m of a vessel then the vessel will slow down to a speed no greater than 5 knots for at least 3 minutes after the last sighting.	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 &C3)	Construction stage	• EIA • Contractual requirements	Completed (C1) Under implementation (C3)
S3.3.2	WVTR3	All captains and the supervising staff should undergo training to learn about local dolphins and porpoises. They should be trained to be aware of the protocol for dolphin friendly" vessel operation (refer to the Code of Conduct for Dolphin Watching Activities from AFCD).	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 & C3)	Construction stage	• EIA • Contractual requirements	Completed (C1) Under implementation (C3)

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S3.3.2	WVTR4	Training on the requirements of the WVTRP would be provided for construction vessels' personnel to follow, which should include the details of the normal operational routings of the construction works vessels and reporting of deviations from the normal operational routings of the construction works vessels. The training course will be given to the licensed vessel captains by the trainers before commencement of work and refreshment course will be provided every quarter.	Protection of CWD	Contractor (TCE: C1 & C3)	All marine construction sites in TCE (C1 & C3)	Construction stage	• EIA • Contractual requirements	Completed (C1) Under implementation (C3)
2.3.1 2.3.2 2.3.3	WVTR5	<u>The Brothers Marine Park (BMP)</u> The speed limit of work vessels is 8 knots within the BMP, no stopover or anchoring is allowed. <u>Sha Chau and Lung Kwu Chau Marine Park (SCLKCMP)</u> Existing fairways such as Urmston Road Channel and water between 3RS projects of Hong Kong International Airport and the SCLKCMP, shall be selected as the main travel routes for delivery of construction & demolition material to site. <u>North Lantau Marine Park (NLMP)</u> The NLMP was designated with effect on 1 November 2024. The speed limit of the work vessels is 8 knots within the NLMP, no stopover or anchoring is allowed.	Protection of Marine Parks (namely BMP, SCLKCMP, NLMP)	Contractor (TCE: C1 & C3)	Marine Parks (namely BMP, SCLKCMP, NLMP) (C1 & C3)	Construction stage	• EIA • Contractual requirements	Completed (C1) Under implementation (C3)

Document Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Deployment of Silt Curtain(s) (Extracted from Silt Curtain Deployment Plan submitted under Condition 2.16 of the EP) (TCE only) [Note: All reclamation and marine works were completed in August 2023.]								
S4	SCD1	Before the start of the installation work, Qualified Ecologists with dolphin monitoring experience shall scan the exclusion zone for at least 30 minutes. If dolphins are observed in the exclusion zone, the installation work shall be delayed until the dolphins left the area.	Protection of CWD	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed
S4	SCD2	If dolphins are observed within the exclusion zone during the installation work, the relevant part of the work shall cease until the dolphins left the area.	Protection of CWD	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed
S5	SCD3	On-board supervisors will be assigned to check the condition of the silt curtain before commencement of works every day. An inspection checklist will be kept on site for record purpose.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed
S5	SCD4	For the tentative arrangement of silt curtain under adverse weather, the silt curtain will not be temporary removed during adverse weather. However, related works will be suspended immediately if silt curtain is found any damaged.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed

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S5	SCD5	Diver inspection shall be carried out if necessary to inspect the installation and decommission of silt curtain to ensure proper installation and functioning of the silt curtain according to the design drawings. Nearby marine works will resume after repairing of the damaged silt curtains.	Silt Curtain Integrity	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed
S5	SCD6	Refuse around the silt curtain will be collected at regular intervals on a daily basis so that water behind the silt curtains will be kept free from floating debris.	Waste Management	Contractor (TCE: C1)	All marine construction sites in TCE (C1)	Construction stage	• EIA • Contractual requirements	Completed

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Preservation and/or Translocation programme (Details according to submission of Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance as required under EP Condition 2.21)								
TCW								
--	--	Pre-construction survey for the target species (which are the plant species of conservation importance, including but not limited to *Aquilaria sinensis*, *Pavetta hongkongensis* and *Gmelina chinensis*)	Minimize the potential impact to plant species of conservation importance	Qualified botanist appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11)	Completed within 9 months before translocation	Section 2 & 3 of the EP Submission	Completed
--	--	Preservation and/or Translocation Proposal	Minimize the potential impact to plant species of conservation importance	Qualified botanist appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor site(s)	Submitted within 1 calendar month after the completion of Pre-construction survey	Section 3.1.1 & 5 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Preservation	Minimize the potential impact to plant species of conservation importance	Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11)	Monitoring conducted monthly throughout the construction period	Section 4.1 of the EP Submission	Under implementation

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EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	Identification of suitable receptor sites	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD / Private developer(s)	Receptor sites	After the Pre-construction survey	Section 4.2 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Translocation	Minimize the potential impact to plant species of conservation importance	Landscape Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor sites	Planting season (preferably from March to May and no later than September), prior to site formation	Section 4.3 of the EP Submission	Under implementation
--	--	Translocation report	Minimize the potential impact to plant species of conservation importance	Landscape Contractors and qualified botanists appointed by Contractors (C5, C6, C10 & C11) / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor sites	Submitted within 1 calendar month after the completion of translocation.	Section 4.3.3 of the EP Submission	To be implemented

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	11.4.4	Post-translocation monitoring	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD	Receptor sites	After translocation for two years and throughout the construction period (for in-situ preserved individuals). The frequency will be monthly for the first year, and then quarterly for the second year	Section 6 of the EP Submission	To be implemented
--	--	Monitoring report	Minimize the potential impact to plant species of conservation importance	Contractors (C5, C6, C10 & C11) and qualified botanists appointed by Contractors / CEDD	Development areas of public (C5, C6, C10 & C11) and receptor site(s)	Throughout monitoring periods	Section 6.1.4 of the EP Submission	Under implementation
TCE								
		Pre-construction survey for the target species (which are the plant species of conservation importance, including but not limited to *Aquilaria sinensis*, *Pavetta hongkongensis* and *Gmelina chinensis*	Minimize the potential impact to plant species and identification of conservation importance for transplantation	Contractor (C2) and Qualified Personnel	Development areas of public works (C2)	Pre-construction stage	Section 2 of the EP Submission	Completed

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		Review of receptor sites To provide consistent habitat characteristics (i.e. soil condition, topography, dominant plant species, degree of exposure to wind/sunlight, overhead/ground space for tree growth, and degree of human disturbance) allowing quick adaptation	Minimize the potential impact to plant species of conservation importance	Qualified Personnel [and agreed with ET/IEC, Project Manager and the future maintenance party taking into account the latest site condition]	Receptor sites	Prior to the commencement of transplantation	Section 4 of the EP Submission	Completed
9.8.3.11 & 9.8.3.12	--	Preservation	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of public (C2) works	Monitoring conducted monthly throughout the construction period	Section 2.3 of the EP Submission	Under implementation
		Transplantation of the individual identified species Preparation of Receptor site, Preparation of Rootball and Root Pruning, Tree Lifting and Protection and Planting	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of public works (C2) and receptor sites	Planting season (preferably from March to May and no later than September)	Section 5 of the EP Submission	Completed
		Post-transplantation maintenance All of the transplanted Gmelina chinensis individuals should be maintained by the Contractor for 12 months (establishment period) after planting into their final receptor sites.	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Receptor sites	During post-transplantation stage	Section 5 of the EP Submission	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
		Post-transplantation monitoring Health conditions of the transplanted individuals should be monitored by the Qualified Personnel in the presence of ET for two years at the receptor sites. Monitoring of the transplanted individuals should be conducted once per monthly for the first year, and then quarterly for the second year as stipulated in EM&A Manual Section 11.4.4, given that the health conditions during the establishment period remained fair to good. Should problems relating to the transplanted tree health arise during the establishment period, monitoring frequency during post establishment period (throughout construction phase) would be subject to the situation and the advice of the ET.	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel in the presence of ET	Receptor sites	During post-transplantation stage	Section 5 of the EP Submission	Under implementation
		Monitoring report	Minimize the potential impact to plant species of conservation importance	Contractor (C2) and Qualified Personnel	Development areas of C2 and receptor sites	Throughout monitoring periods	Section 5.4 of the EP Submission	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Compensatory Woodland Planting (Details according to submission of Detailed Compensatory Woodland Planting Plan as required under EP Condition 2.22)								
--	--	Site Preparation • Boundary demarcated with durable and viewable implements. • Grass cutting/groundcover trimming and removal of invasive species. • Areas containing dense woody growth have their boundaries set out and protected. • Preserve existing woody shrubs and immature trees. • Excavate the planting pits according to the specified spacing before plant delivery	To provide a suitable environment for the compensatory woodland planting	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 3.4 of the EP Submission	Completed
--	--	Site Survey • Conduct the site survey for the woodland planting area.	To verify the proposed details of work in the plan whether they could be executed or if any amendment is required.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 1.5 of the EP Submission	Completed
--	--	Plant Procurement • Early procurement of tree species.	To fulfill the specified quantities and sizes at the time of planting.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 5.5 of the EP Submission	Completed

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	<u>Planting Scheme</u> *Core Area* • Understory plants should not be aggressive and would not adversely affect tree growth. *Green Firebreak Area* • Species selected should be fast growing and have dense canopies. • Green firebreak would have a width of 20 m. • Periodic maintenance (e.g. removal of understory growth and litter accumulation).	To establish a mature, closed canopy, dominated by native trees. Fire resistant native trees as the green firebreak area is required to protect the compensatory woodland from potential disturbance by fires.	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to compensatory planting works	Section 5.1 – 5.3 of the EP Submission	Completed
--	--	<u>Plant Schedule and Matrix</u> • A total estimated 36,000 nos. of whip trees will be planted (The actual no. of whip trees will be based on further review by qualified personnel and actual on-site preparation) or a maximum no. of planting by 1.5 m spacing whichever the less.	To fulfill the specified quantities and sizes at the time of planting	CEDD / Contractors (TCE: C2 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	During compensatory planting works	Section 5.4 of the EP Submission	Completed
--	--	<u>Fire Control</u> • Planting set back 15 m from any existing graves. • Periodic grass-cutting within the Green Firebreak Area and around nearby graves.	To prevent understory growth and litter accumulation which act as fuel causing spread of fire.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	During compensatory planting works	Section 3.5.4 of the EP Submission	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	Post-planting Monitoring • Post-planting monitoring carried out by Qualified Personnel at quarterly interval for at least 3 years and commence 3 months after completion of planting. • The compensatory woodland should be divided into a number of planting plots to facilitate monitoring. • Diverse mix of robust native tree	To monitor and provide remedial works to ensure the woodland establishment in long term	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Prior to commencement of compensatory planting works	Section 6.1 – 6.4 of the EP Submission	Under implementation (TCE) Completed (TCW)
--	--	Establishment / Maintenance Works (10 years by CEDD, 3 years under current contracts provision and additional 7 years to be carried out by subsequent contracts) • Quarterly inspection should be carried out to monitor the plants and identify any special operations required. • Regularly cut grass and remove noxious weeds. • Herbicides and pesticides should not be used unless in exceptional circumstances. • All weeding wastes should be carried away to a proper tipping point for disposal. • Remove weeds, understory growth and leaf litter.	To monitor and provide remedial works to ensure the woodland establishment in long term.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	10 years Establishment / Maintenance period	Section 6.6 – 6.12 of the EP Submission	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	<u>Action Targets based on Percentage Canopy</u> • Identify a fixed number of pilot trees with belt transect (with quadrats) method in each planting plot. • When the action level percentage canopy cover trigger, remedial measures, such as replacement of dead or poor health trees, shall be instigated.	To monitor the percentage canopy cover formation, growth rate and survival rate.	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	3rd, 7th and 10th years after planting	Section 6.5 of the EP Submission	Under Implementation
--	--	<u>Tree Risk Assessment</u> • TRAM and auditing exercise. • Tree Management Plan and Tree Risk Assessment to be submitted in the Construction Phase.	To identify the risk of the trees	CEDD / Contractors (TCE: C2 & C3 and TCW: C6)	Compensatory Woodland Planting A in TCE and Area B in TCW	Construction Phase when necessary (e.g., act on complaint)	Section 6.13 of the EP Submission	Under Implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Use of New Low Noise Road Surfacing Material(s) (Details to be provided after the submission of Plan for Review of Use of New Low Noise Road Surfacing Material(s) as required under EP Condition 2.23) [To be confirmed with latest update to the Plan]								
		TCE						
--	--	Approximately 35m long LNRS along Road D4 (westbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road D4 (westbound) between Area 100 and Area 109	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	To be implemented
--	--	Approximately 80m long LNRS along Road L4 (northbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (northbound) between Area 103 and Area 109	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
--	--	Approximately 175m long LNRS along Road L4 (northbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (northbound) between Area 99 and Area 100	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
--	--	Approximately 160m long LNRS along Road L4 (southbound)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L4 (southbound) between Area 99 and Area 100	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
--	--	Approximately 120m long LNRS along Road L5 (westbound and eastbound, Ying Tung Road)	Reduce operational noise from road traffic	CEDD and relevant contractors (TCE: C3)	Along Road L5 (westbound and eastbound, Ying Tung Road) between Ying Tung Estate and Area 99	Prior to operation of relevant sections of the concerned road	Section 3.1 and Figure 3.1 of the EP submission	Under implementation
		TCW						
--	--	Approximately 210m long LNRS along Chung Mun Road; approximately 160m long LNRS along Road L29; and approximately 163m long LNRS along Road L30	Reduce operational noise from road traffic	CEDD and relevant contractors (TCW: C6)	Along Chung Mun Road, Road L29 and Road L30	Prior to operation of relevant sections of the concerned road	Section 2.2.2 and Figure 1.1 of the EP submission	To be implemented

EIA Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and / or standards to be achieved	Implementation Status
Follow-up actions to be taken by the Contractor and Dump Truck Drivers in case of Illegal Dumping and Landfilling of C&D Materials (Extracted from Waste Management Plan submitted under Condition 2.24 of the EP)								
S5.4	WM1	Investigation report will be prepared by the Contractor and submit to ER within 2 working days.	Control EM&A Performance	Contractors	All construction sites in TCE and TCW	Construction stage	• EP • Contractual requirements	Under Implementation
S5.4	WM2	The Contractor will discuss with ER for the follow up actions (e.g. warning letter, cease operation, etc.) if required.	Control EM&A Performance	Contractors	All construction sites in TCE and TCW	Construction stage	• EP • Contractual requirements	Under Implementation

D. Status of Submissions and Implementation Status of Mitigation Measures under EP

Appendix D: Status of Submissions and Implementation Status of Mitigation Measures under EP

EP Condition	Submission / Implementation Status	Status
2.1	Set up of Community and Professional Liaison Groups	Community and Professional Liaison Groups were set up
2.1	Complaint Management Plan (for Contracts 5, 6, 10, 11 and Entrusted Works)	Accepted by EPD
2.5	Employment of Qualified Ecologist(s)	Qualified Ecologists have been employed to carry out work relating to ecological aspects
2.6	Employment of Surveillance Team	Surveillance Team has been employed to conduct regular site inspection
2.11	Management Organisations (for Contracts 5, 6, 10, 11 and Entrusted Works)	Accepted by EPD
2.12	Construction Works Schedule and Location Plans (for Contracts 5, 6, 10, 11 and Entrusted Works)	Accepted by EPD
2.18	Plan on Provision of Buffer Zones	Accepted by EPD
2.19	River Park Plan	Accepted by EPD
2.20	Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance	Accepted by EPD
2.21	Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance	Accepted by EPD
2.22	Detailed Compensatory Woodland Planting Plan	Accepted by EPD with conditions
2.23	Plan for Review of Use of New Low Noise Road Surfacing Material(s)	Accepted by EPD
2.24	Waste Management Plan (for Contracts 5, 6, 10, 11 and Entrusted Works)	Accepted by EPD
2.31	Implement Plan on Provision of Buffer Zones, River Park Plan, Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance, Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance and Detailed Compensatory Woodland Planting Plan	Plan on Provision of Buffer Zones, Habitat Enhancement and Translocation Plan for Amphibian Species of Conservation Importance, Detailed Preservation and/or Translocation Plan for Plant Species of Conservation Importance and Detailed Compensatory Woodland Planting Plan are under implementation. Others are to be implemented.
2.32	Implement Plan for Review of Use of New Low Noise Road Surfacing Material(s)	To be implemented
2.32	Implement Waste Management Plan	Under implementation
2.33	Install noise barriers and low noise road surfacing at the extended Chung Mun Road and Road D3. All noise mitigation measures implemented shall be properly maintained during the operation of the above roads.	To be implemented
2.34	Implement a deodouriser with an odour removal efficiency of at least 95% shall be installed, operated and maintained within each sewage pumping station. The exhaust of the deodouriser shall be oriented away from sensitive receivers; and all odourous facilities of each sewage pumping station shall be enclosed and negative pressure shall be maintained within the facilities.	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026
2.35	Enclose all the pumps inside a building structure	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026

EP Condition	Submission / Implementation Status	Status
2.36	(i) a 100% standby pumping capacity shall be installed and maintained;	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026
	(ii) a 50% spare pumping capacity shall be installed and maintained;	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026
	(iii) dual-feed power supply shall be installed and maintained; and	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026
	(iv) an emergency facility with a 6-hour storage capacity of average dry weather flow shall be installed and maintained.	Partial surrender of EP conditions was agreed by EPD on 7 Jan 2026

E. Status of Statutory Environmental Requirements

Appendix E: Status of Statutory Environmental Requirements

Contract No.	Description	Location	Ref. No.	Status
General	Environmental Permit	TCW Works Areas	EP-519/2016	Issued on 9 Aug 2016
NL/2020/05 ("Contract 5")	Billing Account for Disposal of Construction Waste	Contract 5 works areas	Account No. 7040874	Issued on 25 Jun 2021
	Registration as Chemical Waste Producer	Contract 5 works areas	WPN 5213-950-B2634-01	Issued on 13 Jul 2021
	Discharge Licence under Water Pollution Control Ordinance	Area Part E Ma Wan Chung Nullah	WT00040844-2022	Valid from 27 May 2022 to 31 May 2027
		Area Part E (E1)	WT00041489-2022	Valid from 8 Sep 2022 to 30 Sep 2027
		Area Part F	WT00043587-2023	Valid from 11 May 2023 to 31 May 2028
	Construction Noise Permit	-	-	-
NL/2020/06 ("Contract 6")	Billing Account for Disposal of Construction Waste	Contract 6 works areas	Account No. 7040815	Issued on 17 Jun 2021
	Registration as Chemical Waste Producer	Contract 6 works areas	WPN 5213-950-C4603-01	Issued on 13 Jul 2021
	Discharge Licence under Water Pollution Control Ordinance	Sewage Pumping Station-A	WT00039653-2021	Valid from 17 Jan 2022 to 31 Jan 2027
		Portion of Tung Chung River, Road L29, Road L30, Bridge A, River Park, Sewage Pumping Station (TCV East) and Bridge B	WT00040875-2022	Valid from 15 Jul 2022 to 31 Jul 2027
		Cheung Tung Road, Fu Tung Street, Yu Tung Road, Chung Mun Road, Bridge A and Temp Bridge A	WT00040895-2022	Valid from 17 Jun 2022 to 30 Jun 2027
		Visitor Centre	WT00042252-2022	Valid from 7 Nov 2022 to 30 Nov 2027
		Area 46	WT00042495-2022	Valid from 2 Dec 2022 to 31 Dec 2027
		Road L29 and Shek Mun Kap Road	WT00043245-2023	Valid from 12 May 2023 to 31 May 2028
	Construction Noise Permit	Sewage Pumping Station-A	GW-RS0262-26	Valid from 23 Mar 2026 to 22 Sep 2026
			GW-RS1194-26	Valid from 24 Sep 2026 to 22 Mar 2027
		Sewage Pumping Station-B and SATP A05	GW-RS0251-26	Valid from 23 Mar 2026 to 22 Sep 2026
			GW-RS1193-26	Valid from 24 Sep 2026 to 22 Mar 2027
		Shek Mun Kap Road	GW-RS0668-26	Valid from 6 Jun 2026 to 5 Dec 2026
NL/2023/10 ("Contract 10")	Billing Account for Disposal of Construction Waste	Contract 10 works area	Account No. 7056525	Issued on 10 Nov 2025
	Registration as Chemical Waste Producer	Contract 10 works areas	WPN 5213-950-C5145-01	Issued on 2 Dec 2025

Contract No.	Description	Location	Ref. No.	Status
	Discharge Licence under Water Pollution Control Ordinance	Part J	WT00048435-2026	Valid from 2 Jun 2026 to 30 Jun 2031
		Part F	WT00048437-2026	Valid from 2 Jun 2026 to 30 Jun 2031
		Part D	WT00048439-2026	Valid from 1 Jun 2026 to 30 Jun 2031
		Part G	WT00048442-2026	Valid from 2 Jun 2026 to 30 Jun 2031
		Part B	WT00048445-2026	Valid from 2 Jun 2026 to 30 Jun 2031
		Part A	WT00048443-2026	Valid from 21 Jul 2026 to 31 Jul 2031
		Part H, I, K	WT00048695-2026	Valid from 9 Sep 2026 to 30 Sep 2031
	Construction Noise Permit	Part G	GW-RS1216-26	Valid from 27 Sep 2026 to 30 Nov 2026
NL/2023/11 ("Contract 11")	Billing Account for Disposal of Construction Waste	Contract 11 works area	Account No. 7058036	Issued on 23 Mar 2026
	Registration as Chemical Waste Producer	Contract 11 works area	WPN 5213-950-C5182-01	Issued on 8 Apr 2026
	Construction Noise Permit	Contract 11 works area (except Shek Lau Po, Mok Ka, Shek Mun Kap)	GW-RS0763-26	Valid from 30 Jun 2026 to 29 Dec 2026
ENT/TUE/001 ("Entrusted Works")	Billing Account for Disposal of Construction Waste	Entrusted works area	Account No. 7047572	Issued on 1 Jun 2023
	Registration as Chemical Waste Producer	Entrusted works area	WPN 5213-950-B2705-01	Issued on 13 May 2025
	Discharge Licence under Water Pollution Control Ordinance	Entrusted works area	WT10001417-2023	Valid from 29 Dec 2023 to 31 Dec 2028

F. Air Quality

F1. Locations of Air Quality Monitoring Stations

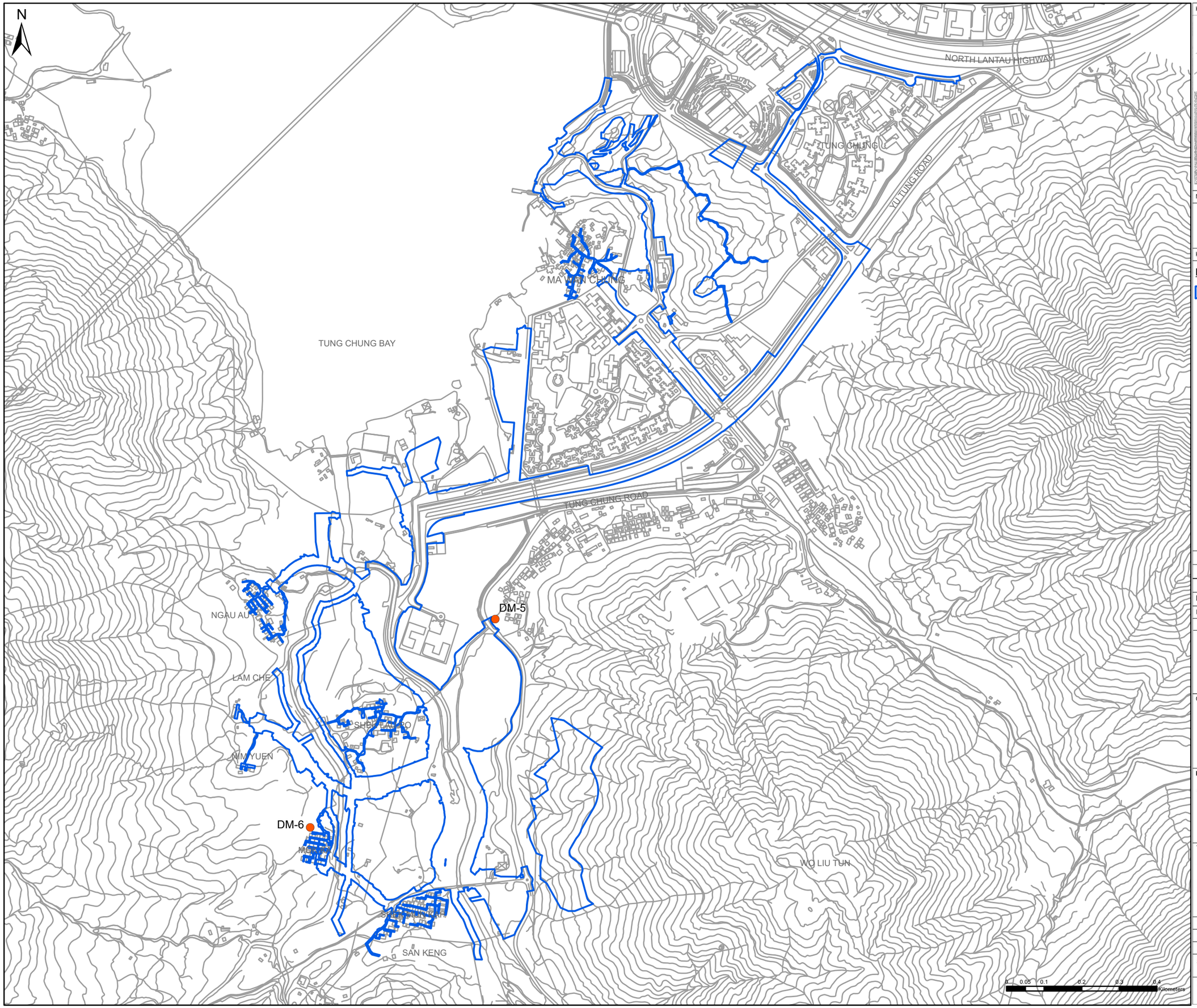
F2. Air Quality Monitoring Equipment Calibration Certificates

F3. Air Quality Monitoring Schedule

F4. Air Quality Monitoring Results

F5. Air Quality Monitoring Event and Action Plan

F1. Locations of Air Quality Monitoring Stations



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- AIR QUALITY MONITORING STATION

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

MOTT MACDONALD
3/F International Trade Tower
348 Kwun Tung Road
Kwun Tung, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W mottmac.com

Client

CEDD 土木工程拓展署 Civil Engineering and Development Department

Project

AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION

Title

LOCATIONS OF AIR QUALITY MONITORING STATIONS

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3	Status		Rev		

Drawing Number

APPENDIX F1

F2. Air Quality Monitoring Equipment Calibration Certificates

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR MAGNUM FAN	WORK ORDER	: HK2618618
CLIENT	: ENVIROTECH SERVICES CO.		
ADDRESS	: RM 712, 7/F, MY LOFT 9 HOI WING ROAD, TUEN MUN, N.T. HK	SUB-BATCH	: 1
		DATE RECEIVED	: 4-MAY-2026
		DATE OF ISSUE	: 13-MAY-2026
PROJECT	: Not Specified	NO. OF SAMPLES	: 1
		CLIENT ORDER	:---

General Comments

- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.
- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.
- Calibration was subcontracted to Envirotech Services Company.

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories	Position
Richard Fung	Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group

11/F. Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong
Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com

WORK ORDER : HK2618618
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : Not Specified

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2618618-001	Sibata LD-3B (276020)	Equipments	27-Apr-2026	S/N: 276020

-------- END OF REPORT --------

Envirotech Services Co.
Rm. 712, 7/F
My Loft,
9 Hoi Wing Road,
Tuen Mun, H.K.
Tel : 2560 8450
Fax : 2560 6553
E-mail: envirotech@netvigator.com

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust Monitor
Manufacturer:	Sibata LD-3B
Serial No.:	276020
Equipment Ref.:	N/A
ALS Job Order:	HK2617704

Standard Equipment

Standard Equipment:	High Volume Sampler (TSP)
Location :	Envirotech Room (Calibration Room)
Equipment Ref.:	HVS 8162
Last Calibration Date:	21-Apr-2026

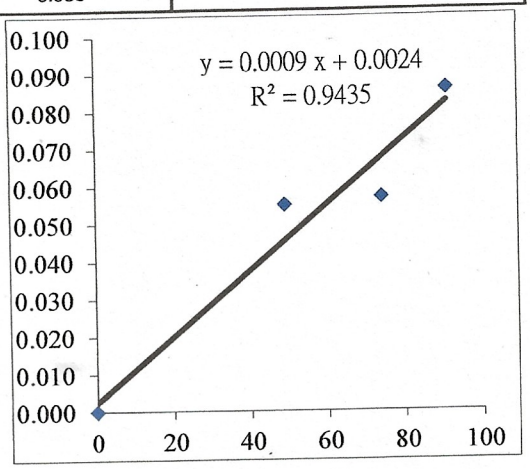
Equipment Verification Results:

Verification Date: 27-Apr-2026

Hour	Time	Mean Temp °C	Mean Pressure (hpa)	TSP Level in mg (Standard Equipment) (Y-Axis)	Total Count (Calibrated Equipment) (X-Axis)
1hr 00mins	0830-0930	23.8	1010.4	0.055	49
2hr 00mins	0935-1135	24.5	1010.1	0.057	74
3hr 00mins	1310-1610	26.8	1009.8	0.086	91

Linear Regression of Y or X

Slope (K-factor):	0.0009(mg)/Count
Correlation Coefficient (R):	0.9713
Date of Issue:	4-May-2026



Remarks:

1 . Strong Correlation (>0.8)

2. Factor 0.0009(mg)/Count should be applied for TSP monitoring

*If R<0.5, repair or verification is required for the equipment

Operator: P.F.Yeung Signature Fai Date: 04 May 2026

QC Reviewer: K.F.Ho Signature [illegible] Date: 04 May 2026

TSP SAMPLER CALIBRATION CACULATION SPREADSHEET

Location :	Rm. 712, My Loft, Tuen Mun	Date of Calibration:	21-Apr-26
HVS ID:	8162	Next Calibration Date:	21-Jun-26
Name and Model :	TISCH HVS Model TE-5170	Operator:	K.F.Ho

CONDITIONS

Sea Level Pressure (hpa)	1014.5	Corrected Pressure (mm Hg)	760.9
Temperature (°C)	24.2	Temperature (K)	297.2

CALIBRATION ORIFICE

Make:	TISCH	Qstd Slope	2.07213
Model:	TE-5025A	Qstd Intercept	-0.03199
Serial#:	2454		

CALIBRATION

Plate No.	H2O(L) (in)	H20(R) (in)	H2O (in)	Qstd (m3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION
18	6.1	5.9	12.0	1.694	60	60.13	Slope= 34.834
13	4.9	4.8	9.7	1.525	54	54.12	Intercept= 0.9938
10	3.8	3.8	7.6	1.352	48	48.11	Corr. Coeff.= 0.9998
7	2.5	2.5	5.0	1.132	40	40.09	
5	1.5	1.5	3.0	0.857	31	31.07	

Calulations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pa = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

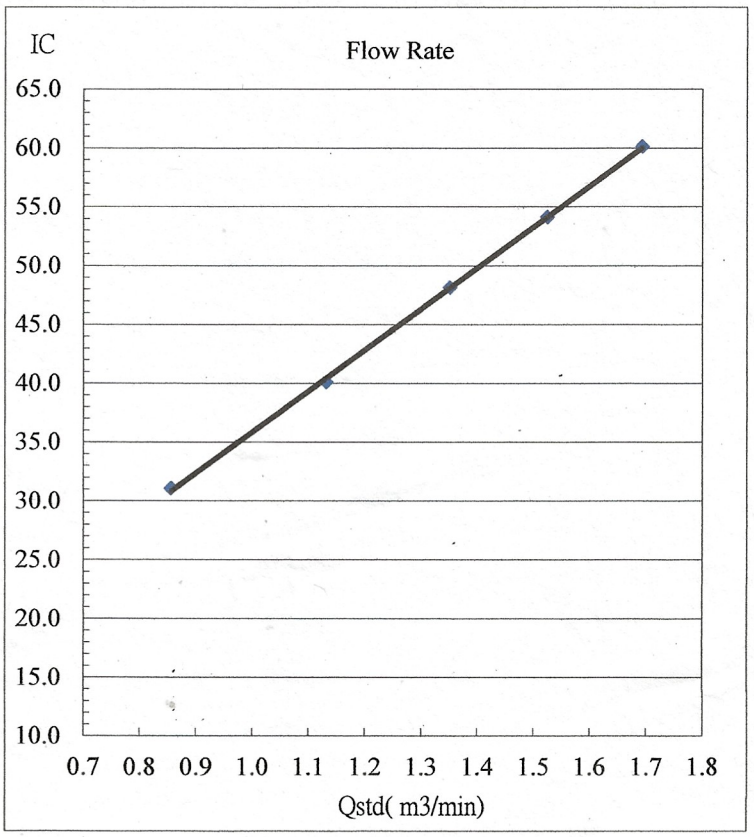
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure



TISCH Environmental

RECALIBRATION DUE DATE:
December 1, 2026

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	December 1, 2025	**Rootsmeter S/N:** 438320	**Ta:** 294	°K
Operator:	Jim Tisch		**Pa:** 755.4	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** 2454		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4240	3.2	2.00
2	3	4	1	1.0130	6.4	4.00
3	5	6	1	0.9040	7.9	5.00
4	7	8	1	0.8620	8.8	5.50
5	9	10	1	0.7130	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H(Ta/Pa)}$ (y-axis)
1.0032	0.7045	1.4195	0.9958	0.6993	0.8823
0.9989	0.9861	2.0075	0.9915	0.9788	1.2477
0.9969	1.1028	2.2444	0.9895	1.0946	1.3950
0.9957	1.1551	2.3539	0.9884	1.1466	1.4631
0.9904	1.3891	2.8390	0.9831	1.3788	1.7645
QSTD	**m=**	**2.07213**	**QA**	**m=**	**1.29754**
	b=	**-0.03919**		**b=**	**-0.02436**
	r=	**0.99999**		**r=**	**0.99999**

Calculations

Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	**Va=**	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	**Qa=**	Va/ΔTime

For subsequent flow rate calculations:

Qstd= $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

Qa= $1/m\left(\left(\sqrt{\Delta H(Ta/Pa)}\right)-b\right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg

Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

www.tisch-env.com
TOLL FREE: (877)263-7610
FAX: (513)467-9009

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR MAGNUM FAN	WORK ORDER	: **HK2545418**
CLIENT	: **ENVIROTECH SERVICES CO.**		
ADDRESS	: RM 712, 7/F, MY LOFT 9 HOI WING ROAD, TUEN MUN, N.T. HK	SUB-BATCH	: 1
		DATE RECEIVED	: 18-OCT-2025
		DATE OF ISSUE	: 24-OCT-2025
PROJECT	: Not Specified	NO. OF SAMPLES	: 1
		CLIENT ORDER	:---

General Comments

- **Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.**
- **Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.**
- **Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.**
- **Calibration was subcontracted to Envirotech Services Company.**

Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories	*Position*
Richard Fung	Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**

11/F. Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong
Tel. +852 2610 1044 Fax. +852 2610 2021 **www.alsglobal.com**

WORK ORDER : HK2545418
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : Not Specified

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2545418-001	Sibata LD-5R (781281)	Equipments	21-Oct-2025	S/N: 781281

-------- END OF REPORT --------

Envirotech Services Co.

Rm. 712, 7/F
My Loft,
9 Hoi Wing Road,
Tuen Mun, H.K.
Tel : 2560 8450
Fax : 2560 6553
E-mail: envirotech@netvigator.com

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust Monitor
Manufacturer:	Sibata LD-5R
Serial No.:	781281
Equipment Ref.:	N/A
ALS Job Order:	HK2544216

Standard Equipment

Standard Equipment:	High Volume Sampler (TSP)
Location :	Envirotech Room (Calibration Room)
Equipment Ref.:	HVS 8162
Last Calibration Date:	11-Oct-2025

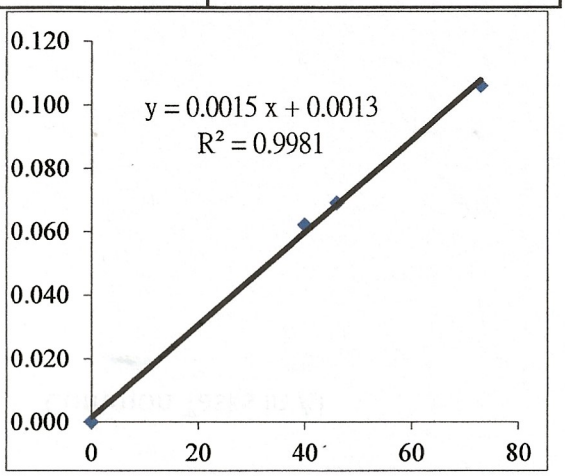
Equipment Verification Results:

Verification Date: 11-Oct-2025

Hour	Time	Mean Temp °C	Mean Pressure (hpa)	TSP Level in mg (Standard Equipment) (Y-Axis)	Total Count (Calibrated Equipment) (X-Axis)
1hr 00mins	0905-1005	28.2	1013.1	0.062	40
2hr 00mins	1015-1215	28.5	1013.0	0.069	46
3hr 00mins	1410-1710	31.1	1012.8	0.106	73

Linear Regression of Y or X

Slope (K-factor):	0.0015(mg)/Count
Correlation Coefficient (R):	0.9991
Date of Issue:	18-Oct-2025



Remarks:

1 . Strong Correlation (>0.8)

2. Factor 0.0015(mg)/Count should be applied for TSP monitoring

*If R<0.5, repair or verification is required for the equipment

Operator: P.F.Yeung Signature Date: 18 Oct 2025

QC Reviewer: K.F.Ho Signature Date: 18 Oct 2025

TSP SAMPLER CALIBRATION CACULATION SPREADSHEET

Location :	Rm. 712, My Loft, Tuen Mun	Date of Calibration:	11-Oct-25
HVS ID:	8162	Next Calibration Date:	11-Dec-25
Name and Model :	TISCH HVS Model TE-5170	Operator:	K.F.Ho

CONDITIONS

Sea Level Pressure (hpa)	1013.1	Corrected Pressure (mm Hg)	759.9
Temperature (°C)	28.2	Temperature (K)	301.2

CALIBRATION ORIFICE

Make:	TISCH	Qstd Slope	2.08315
Model:	TE-5025A	Qstd Intercept	-0.04938
Serial#:	2454		

CALIBRATION

Plate No.	H2O(L) (in)	H20(R) (in)	H2O (in)	Qstd (m3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION
18	6.8	6.6	13.4	1.772	58	57.70	Slope= 44.490
13	5.6	5.6	11.2	1.622	50	49.74	Intercept= -21.891
10	4.2	4.0	8.2	1.391	40	39.79	Corr. Coeff.= 0.9991
7	2.6	2.6	5.2	1.113	27	26.86	
5	1.6	1.6	3.2	0.878	18	17.91	

Calulations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration (deg K)

Pa = actual pressure during calibration (mm Hg)

For subsequent calculation of sampler flow:

1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

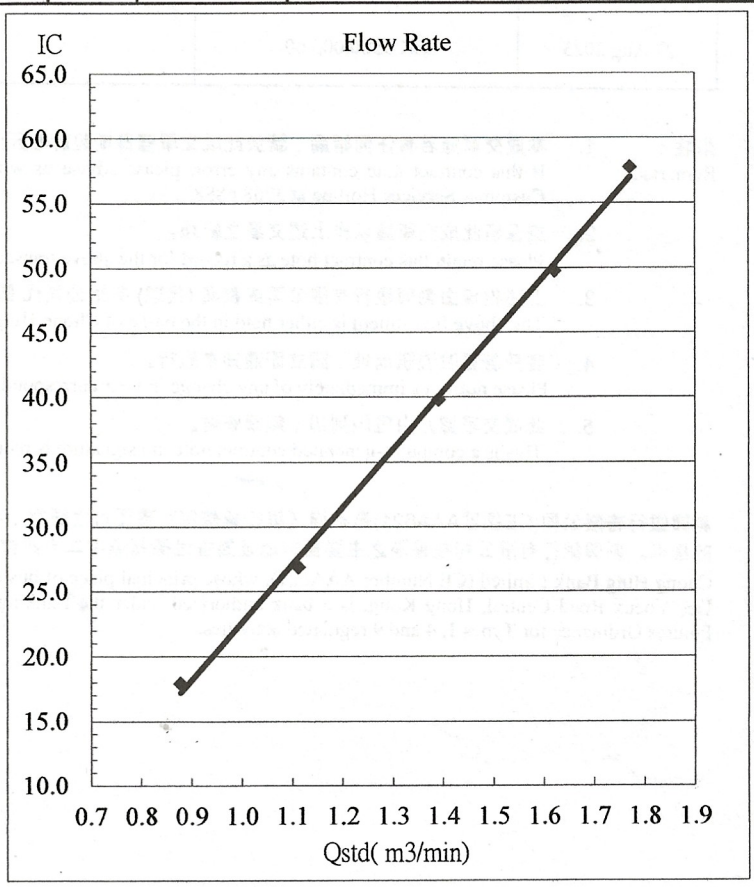
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure



TISCH Environmental

RECALIBRATION DUE DATE:
December 2, 2025

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	December 2, 2024	**Rootsmeter S/N:** 438320	**Ta:** 293	°K
Operator:	Jim Tisch		**Pa:** 757.4	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** **2454**		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4200	3.2	2.00
2	3	4	1	1.0170	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8700	8.8	5.50
5	9	10	1	0.7140	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
1.0093	0.7108	1.4238	0.9958	0.7013	0.8796
1.0051	0.9883	2.0136	0.9916	0.9750	1.2439
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907
1.0018	1.1515	2.3611	0.9884	1.1361	1.4586
0.9965	1.3956	2.8476	0.9831	1.3769	1.7592
QSTD	**m=**	**2.08315**	**QA**	**m=**	**1.30443**
	b=	**-0.04938**		**b=**	**-0.03050**
	r=	**0.99985**		**r=**	**0.99985**

Calculations

Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	**Va=**	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	**Qa=**	Va/ΔTime

For subsequent flow rate calculations:

Qstd= $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

Qa= $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg

Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
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F3. Air Quality Monitoring Schedule

September 2026 - Impact Monitoring Schedule for Tung Chung West

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4 Air Quality Monitoring	5
6	7	8	9	10 Air Quality Monitoring	11	12
13	14	15	16 Air Quality Monitoring	17	18	19
20	21	22 Air Quality Monitoring	23	24	25	26
27	28 Air Quality Monitoring	29	30			

Notes:

Air Quality Monitoring Station: DM-5 - Lung Tseung Tau
DM-6 - Mok Ka

F4. Air Quality Monitoring Results

1-hour TSP Results

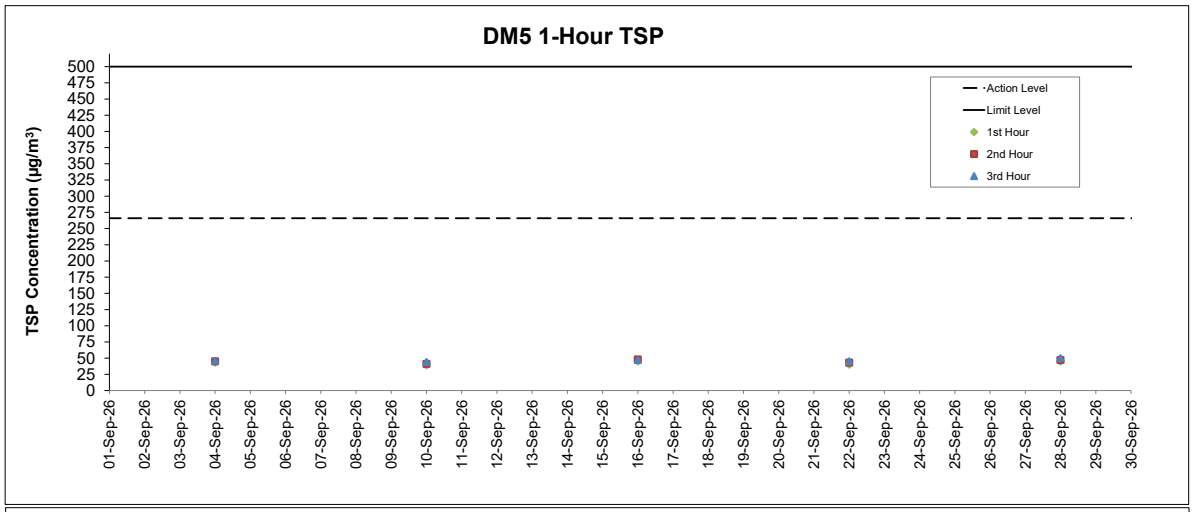
Station: DM5 - Lung Tseung Tau

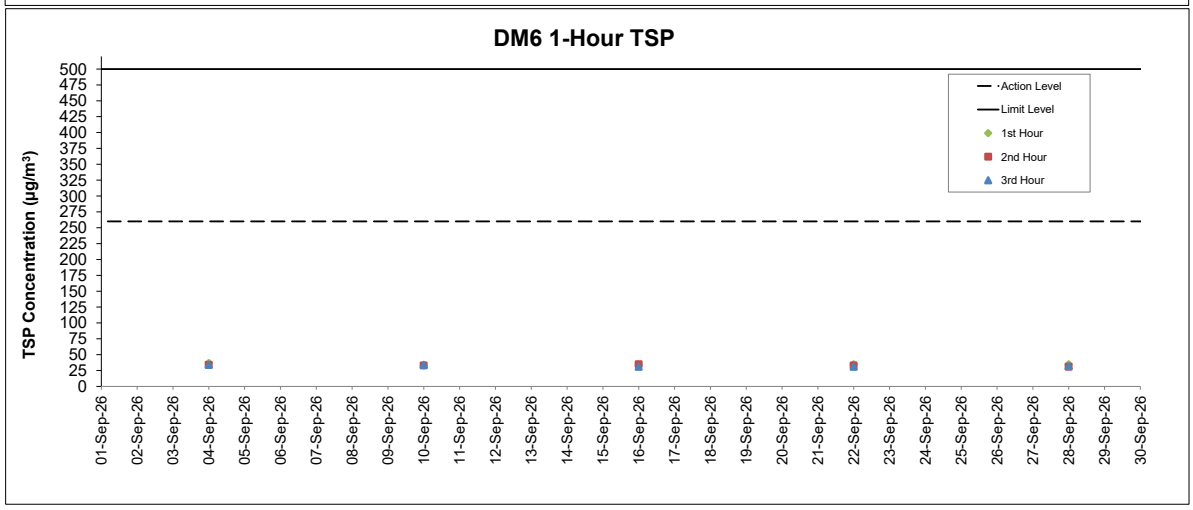
Date	Strat Time	Finish Time	Weather	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Sep-26	13:04	14:04	Sunny	43	266	500
04-Sep-26	14:04	15:04	Sunny	45	266	500
04-Sep-26	15:04	16:04	Sunny	46	266	500
10-Sep-26	08:53	09:53	Sunny	39	266	500
10-Sep-26	09:53	10:53	Sunny	41	266	500
10-Sep-26	10:53	11:53	Sunny	44	266	500
16-Sep-26	13:04	14:04	Sunny	45	266	500
16-Sep-26	14:04	15:04	Sunny	48	266	500
16-Sep-26	15:04	16:04	Sunny	47	266	500
22-Sep-26	08:43	09:43	Sunny	40	266	500
22-Sep-26	09:43	10:43	Sunny	43	266	500
22-Sep-26	10:43	11:43	Sunny	45	266	500
28-Sep-26	08:32	09:32	Sunny	45	266	500
28-Sep-26	09:32	10:32	Sunny	47	266	500
28-Sep-26	10:32	11:32	Sunny	50	266	500

1-hour TSP Results

Station: DM6 - Mok Ka

Date	Start Time	Finish Time	Weather	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Sep-26	13:20	14:20	Sunny	37	260	500
04-Sep-26	14:20	15:20	Sunny	34	260	500
04-Sep-26	15:20	16:20	Sunny	34	260	500
10-Sep-26	09:08	10:08	Sunny	33	260	500
10-Sep-26	10:08	11:08	Sunny	33	260	500
10-Sep-26	11:08	12:08	Sunny	34	260	500
16-Sep-26	13:19	14:19	Sunny	34	260	500
16-Sep-26	14:19	15:19	Sunny	35	260	500
16-Sep-26	15:19	16:19	Sunny	31	260	500
22-Sep-26	08:59	09:59	Sunny	35	260	500
22-Sep-26	09:59	10:59	Sunny	33	260	500
22-Sep-26	10:59	11:59	Sunny	31	260	500
28-Sep-26	08:46	09:46	Sunny	35	260	500
28-Sep-26	09:46	10:46	Sunny	31	260	500
28-Sep-26	10:46	11:46	Sunny	32	260	500





Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

F5. Air Quality Monitoring Event and Action Plan

Table F5.1: Event and Action Plan for Construction Air Quality (Action Level)

Event	Action			
	ET	IEC	ER	Contractor
Action Level				
Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.

Table F5.2: Event and Action Plan for Construction Air Quality (Limit Level)

Event	Action			
	ET	IEC	ER	Contractor
Limit Level				
Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented..	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
Exceedance for two or more consecutive samples	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 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.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

G. Noise

G1. Locations of Construction Noise Monitoring Stations

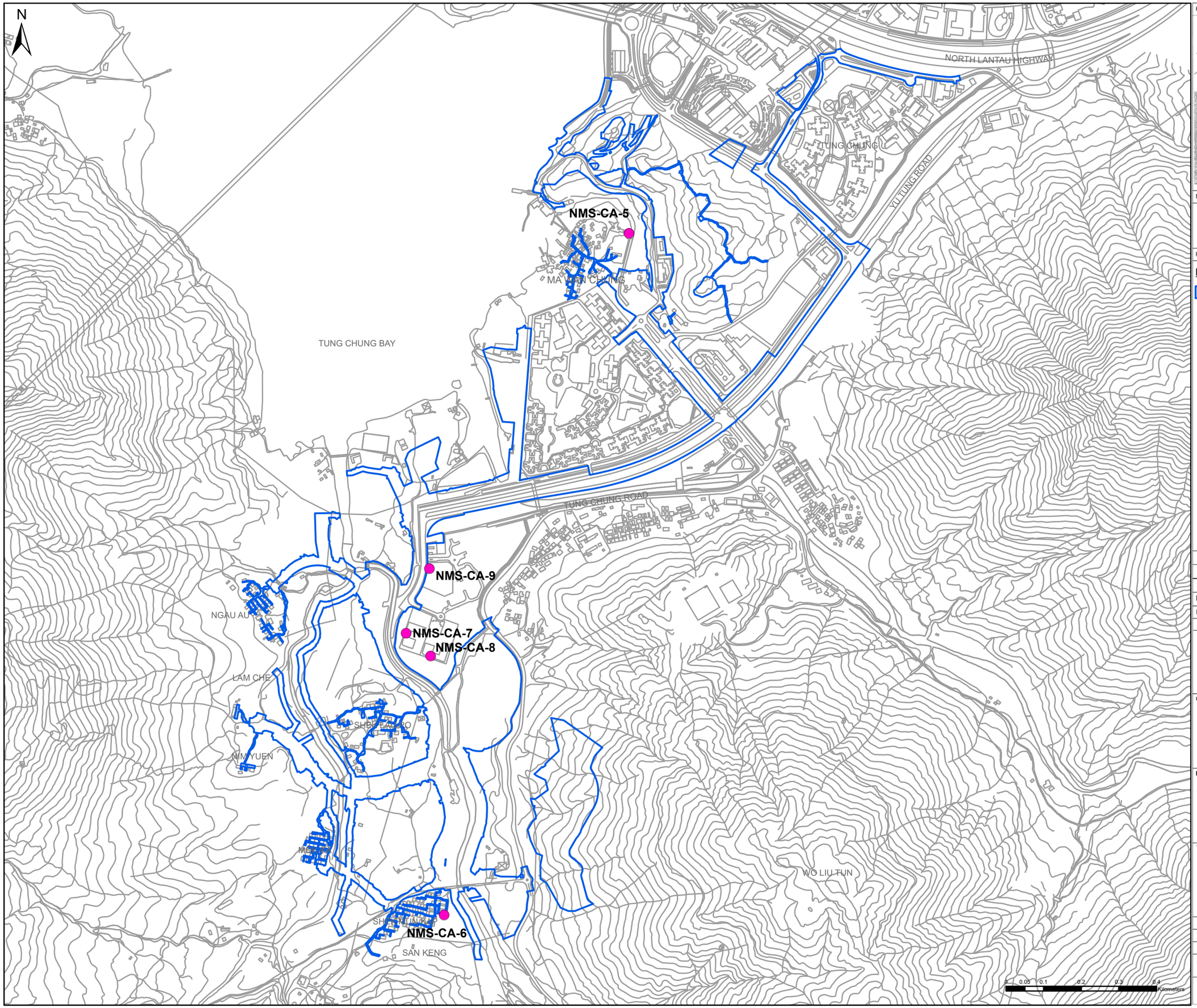
G2. Construction Noise Monitoring Equipment Calibration Certificates

G3. Construction Noise Monitoring Schedule

G4. Construction Noise Monitoring Results

G5. Construction Noise Monitoring Event and Action Plan

G1. Locations of Construction Noise Monitoring Stations



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- NOISE MONITORING STATION

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	JUL 2021	KN		LL	TC

MOTT MACDONALD
3/F International Trade Tower
348 Kwun Tung Road
Kwun Tung, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W mottmac.com

Client

CEDD 土木工程拓展署 Civil Engineering and Development Department

Project

**AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION**

Title

LOCATIONS OF CONSTRUCTION NOISE MONITORING STATIONS

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

APPENDIX G1

G2. Construction Noise Monitoring Equipment Calibration Certificates

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34356596***

Submitted by:

Customer:	*Envirotech Services Co.*
Address:	*Rm.712, 7/F., My Loft, 9 Hoi Wing Road,*
	Tuen Mun, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 18 March 2026

Date of calibration: 19 March 2026

Date of NEXT calibration: 18 March 2027

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 19 March 2026

Certificate No.: APJ25-144-CC004

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

Air Temperature:	24.6 °C
Air Pressure:	1006 hPa
Relative Humidity:	62.1 %

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV250138	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

6. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

Note:
The values given in this certification only related to the values measured at the time of the calibration.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***RION***
Type No.:	***NL-52 (Serial No.: 00175561)***
Microphone:	***UC-59 (Serial No.: 16651)***
Preamplifier:	***NH-25 (Serial No.:65663)***

Submitted by:

Customer:	*Envirotech Services Co.*
Address:	*Rm.712, 7/F., My Loft, 9 Hoi Wing Road,*
	Tuen Mun, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ **Within (31.5Hz – 8kHz)**
☐ **Outside**

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 07 January 2026

Date of calibration: 08 January 2026

Date of NEXT calibration: 07 January 2027

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 08 January 2026

Certificate No.: APJ25-115-CC002

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

1. *Calibration Precaution:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Conditions:*

Air Temperature:	23.2 **°C**
Air Pressure:	1006 **hPa**
Relative Humidity:	47.2 **%**

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.3	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dB SPL	Fast	94	31.5	94.2	±2.0
				63	94.3	±1.5
				125	94.3	±1.5
				250	94.2	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.8	±1.6
				4000	93.3	±1.6
				8000	91.6	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	31.5	54.8	-39.4 ±2.0
				63	68.1	-26.2 ±1.5
				125	78.1	-16.1 ±1.5
				250	85.5	-8.6 ±1.4
				500	90.9	-3.2 ±1.4
				1000	94.0	Ref
				2000	95.1	+1.2 ±1.6
				4000	94.3	+1.0 ±1.6
				8000	90.5	-1.1+2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBC SPL	Fast	94	31.5	91.2	-3.0 ±2.0
				63	93.5	-0.8 ±1.5
				125	94.1	-0.2 ±1.5
				250	94.2	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.7	-0.2 ±1.6
				4000	92.5	-0.8 ±1.6
				8000	88.6	–3.0 +2.1: –3.1

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5. *Calibration Results Applied*

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.10
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:
The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

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G3. Construction Noise Monitoring Schedule

September 2026 - Impact Monitoring Schedule for Tung Chung West

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 Noise Monitoring	4	5
6	7	8 Noise Monitoring	9	10	11	12
13	14	15	16	17 Noise Monitoring	18	19
20	21	22 Noise Monitoring	23	24	25	26
27	28	29 Noise Monitoring	30			

Notes:
Noise Monitoring will last for 30 minutes only

G4. Construction Noise Monitoring Results

Noise Measurement Results

Station: NMS-CA-5 Village House in Ma Wan Chung

Date	Weather	Time	Measured $L_{eq(5mins)}$ dB(A)	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)^
03-Sep-26	Cloudy	11:31	54.4	57.3	51.3	55
03-Sep-26	Cloudy	11:36	56.8	58.6	54.6	
03-Sep-26	Cloudy	11:41	55.3	56.9	50.6	
03-Sep-26	Cloudy	11:46	53.5	55.3	50.7	
03-Sep-26	Cloudy	11:51	53.2	55.0	50.8	
03-Sep-26	Cloudy	11:56	53.9	56.6	50.5	
08-Sep-26	Sunny	11:30	58.6	63.0	50.5	57
08-Sep-26	Sunny	11:35	56.1	58.1	53.0	
08-Sep-26	Sunny	11:40	55.9	57.5	51.5	
08-Sep-26	Sunny	11:45	55.0	57.5	51.1	
08-Sep-26	Sunny	11:50	56.6	58.4	52.0	
08-Sep-26	Sunny	11:55	56.3	57.8	53.8	
17-Sep-26	Sunny	11:33	51.2	52.1	48.8	54
17-Sep-26	Sunny	11:38	52.4	54.3	49.1	
17-Sep-26	Sunny	11:43	54.2	57.4	49.2	
17-Sep-26	Sunny	11:48	55.7	56.1	50.2	
17-Sep-26	Sunny	11:53	54.5	57.4	49.7	
17-Sep-26	Sunny	11:58	56.2	58.1	50.1	
22-Sep-26	Sunny	11:20	60.0	64.8	51.6	58
22-Sep-26	Sunny	11:25	61.2	64.5	52.0	
22-Sep-26	Sunny	11:30	54.4	56.6	49.8	
22-Sep-26	Sunny	11:35	55.1	58.0	50.8	
22-Sep-26	Sunny	11:40	57.0	60.1	50.5	
22-Sep-26	Sunny	11:45	55.3	56.9	51.4	
29-Sep-26	Sunny	11:28	52.4	54.0	50.8	58
29-Sep-26	Sunny	11:33	53.1	55.0	50.6	
29-Sep-26	Sunny	11:38	55.9	58.9	50.3	
29-Sep-26	Sunny	11:43	59.1	62.4	52.9	
29-Sep-26	Sunny	11:48	62.0	65.7	53.5	
29-Sep-26	Sunny	11:53	59.0	62.6	51.4	

Remarks:

(^) +3dB (A) Façade correction included for free-field measurement.

Noise Measurement Results

Station: NMS-CA-6 Village House in Shek Mun Kap

Date	Weather	Time	Measured $L_{eq(5mins)}$ dB(A)	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)^
03-Sep-26	Cloudy	08:18	55.6	57.3	53.3	57
03-Sep-26	Cloudy	08:23	55.5	56.9	54.0	
03-Sep-26	Cloudy	08:28	57.2	60.6	52.9	
03-Sep-26	Cloudy	08:33	56.6	58.5	53.1	
03-Sep-26	Cloudy	08:38	58.0	60.6	54.1	
03-Sep-26	Cloudy	08:43	58.1	61.2	53.2	
08-Sep-26	Sunny	13:03	55.3	56.0	51.2	55
08-Sep-26	Sunny	13:08	54.1	54.6	51.5	
08-Sep-26	Sunny	13:13	53.2	54.3	51.6	
08-Sep-26	Sunny	13:18	54.3	55.0	52.3	
08-Sep-26	Sunny	13:23	54.1	55.5	52.6	
08-Sep-26	Sunny	13:28	56.5	57.3	53.2	
17-Sep-26	Sunny	08:20	57.4	59.8	53.9	57
17-Sep-26	Sunny	08:25	56.7	58.9	53.9	
17-Sep-26	Sunny	08:30	56.3	58.4	54.0	
17-Sep-26	Sunny	08:35	57.3	58.9	55.3	
17-Sep-26	Sunny	08:40	57.4	58.5	55.7	
17-Sep-26	Sunny	08:45	56.4	58.0	54.5	
22-Sep-26	Sunny	13:09	55.8	56.9	54.1	55
22-Sep-26	Sunny	13:14	54.9	57.1	52.3	
22-Sep-26	Sunny	13:19	53.4	54.8	51.5	
22-Sep-26	Sunny	13:24	54.7	56.9	52.2	
22-Sep-26	Sunny	13:29	57.3	60.5	53.0	
22-Sep-26	Sunny	13:34	55.8	58.0	53.5	
29-Sep-26	Sunny	13:01	56.3	57.4	55.1	56
29-Sep-26	Sunny	13:06	56.1	57.2	54.9	
29-Sep-26	Sunny	13:11	57.3	58.3	56.1	
29-Sep-26	Sunny	13:16	57.8	59.1	56.3	
29-Sep-26	Sunny	13:21	55.7	57.3	52.7	
29-Sep-26	Sunny	13:26	53.9	54.8	52.7	

Remarks:

(^) +3dB (A) Façade correction included for free-field measurement.

Noise Measurement Results

Station: NMS-CA-7 YMCA of Hong Kong Christian College

Date	Weather	Time	Measured $L_{eq(5mins)}$ dB(A)	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Sep-26	Cloudy	09:59	60.4	62.2	58.2	64
03-Sep-26	Cloudy	10:04	62.9	64.2	58.4	
03-Sep-26	Cloudy	10:09	66.1	68.6	61.0	
03-Sep-26	Cloudy	10:14	62.6	64.8	60.0	
03-Sep-26	Cloudy	10:19	65.7	67.5	62.1	
03-Sep-26	Cloudy	10:24	64.8	67.1	61.4	
08-Sep-26	Sunny	09:47	62.0	64.6	57.8	61
08-Sep-26	Sunny	09:52	61.6	64.2	57.3	
08-Sep-26	Sunny	09:57	62.7	65.6	57.9	
08-Sep-26	Sunny	10:02	60.6	63.8	56.9	
08-Sep-26	Sunny	10:07	58.6	60.8	56.1	
08-Sep-26	Sunny	10:12	58.9	60.3	56.1	
17-Sep-26	Sunny	10:02	64.0	66.4	59.0	65
17-Sep-26	Sunny	10:07	66.9	67.3	58.9	
17-Sep-26	Sunny	10:12	61.0	62.9	58.4	
17-Sep-26	Sunny	10:17	64.7	68.1	58.3	
17-Sep-26	Sunny	10:22	64.3	67.0	59.3	
17-Sep-26	Sunny	10:27	65.2	68.5	60.3	
22-Sep-26	Sunny	09:33	61.9	64.1	58.6	64
22-Sep-26	Sunny	09:38	65.1	67.5	61.5	
22-Sep-26	Sunny	09:43	64.0	66.8	60.1	
22-Sep-26	Sunny	09:48	64.0	66.6	60.3	
22-Sep-26	Sunny	09:53	65.2	67.4	60.3	
22-Sep-26	Sunny	09:58	63.8	66.1	61.1	
29-Sep-26	Sunny	09:28	65.7	67.9	62.6	66
29-Sep-26	Sunny	09:33	68.3	69.2	66.9	
29-Sep-26	Sunny	09:38	67.7	70.3	64.1	
29-Sep-26	Sunny	09:43	67.3	68.4	65.8	
29-Sep-26	Sunny	09:48	63.4	65.5	61.1	
29-Sep-26	Sunny	09:53	62.8	64.6	59.7	

Noise Measurement Results

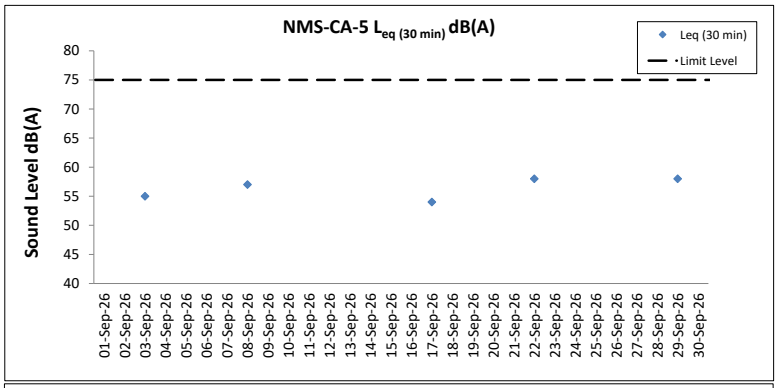
Station: NMS-CA-8 Caritas Wu Cheng-Chung College

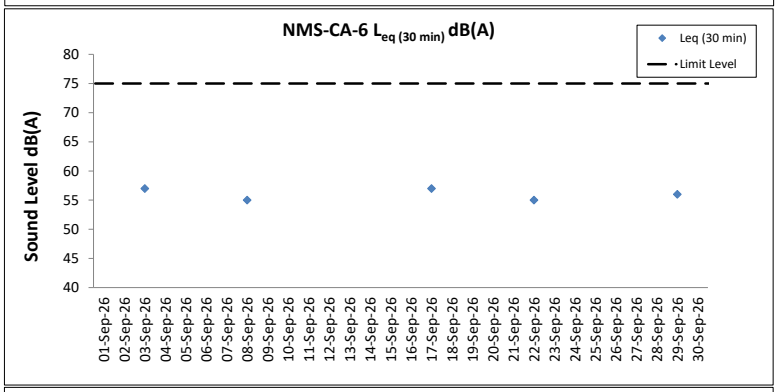
Date	Weather	Time	Measured $L_{eq(5mins)}$ dB(A)	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Sep-26	Cloudy	09:08	63.2	65.1	60.8	64
03-Sep-26	Cloudy	09:13	63.5	65.4	61.3	
03-Sep-26	Cloudy	09:18	64.4	66.2	61.5	
03-Sep-26	Cloudy	09:23	63.4	65.4	61.1	
03-Sep-26	Cloudy	09:28	64.7	67.0	61.7	
03-Sep-26	Cloudy	09:33	65.3	67.1	62.1	
08-Sep-26	Sunny	08:59	63.4	65.2	60.4	63
08-Sep-26	Sunny	09:04	62.8	64.6	60.0	
08-Sep-26	Sunny	09:09	61.8	63.4	59.7	
08-Sep-26	Sunny	09:14	62.2	64.8	59.1	
08-Sep-26	Sunny	09:19	62.5	64.0	60.7	
08-Sep-26	Sunny	09:24	62.3	64.4	59.9	
17-Sep-26	Sunny	09:13	60.6	65.6	56.2	62
17-Sep-26	Sunny	09:18	60.9	62.2	58.3	
17-Sep-26	Sunny	09:23	61.2	63.1	58.7	
17-Sep-26	Sunny	09:28	62.7	63.4	58.8	
17-Sep-26	Sunny	09:33	62.2	64.2	58.8	
17-Sep-26	Sunny	09:38	62.1	65.1	58.7	
22-Sep-26	Sunny	08:50	64.6	66.4	61.4	64
22-Sep-26	Sunny	08:55	64.1	65.8	62.0	
22-Sep-26	Sunny	09:00	64.5	66.3	61.8	
22-Sep-26	Sunny	09:05	64.8	67.2	62.3	
22-Sep-26	Sunny	09:10	64.5	66.9	61.1	
22-Sep-26	Sunny	09:15	64.0	66.2	60.4	
29-Sep-26	Sunny	08:43	63.0	64.5	61.1	63
29-Sep-26	Sunny	08:48	62.0	63.6	60.0	
29-Sep-26	Sunny	08:53	61.3	63.1	59.4	
29-Sep-26	Sunny	08:58	61.2	63.0	59.1	
29-Sep-26	Sunny	09:03	62.5	64.7	59.6	
29-Sep-26	Sunny	09:08	64.7	67.1	61.0	

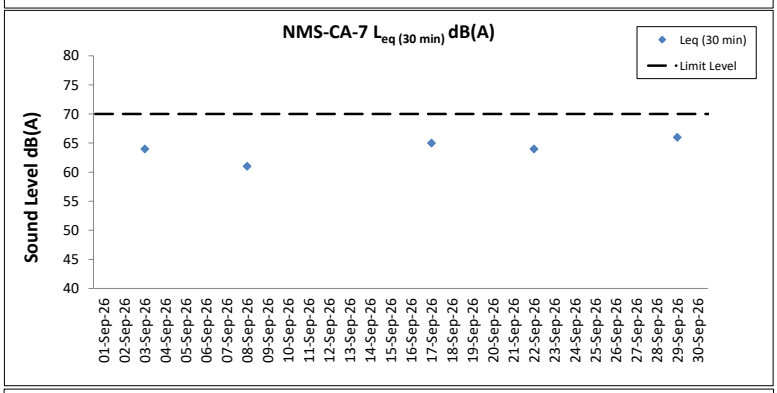
Noise Measurement Results

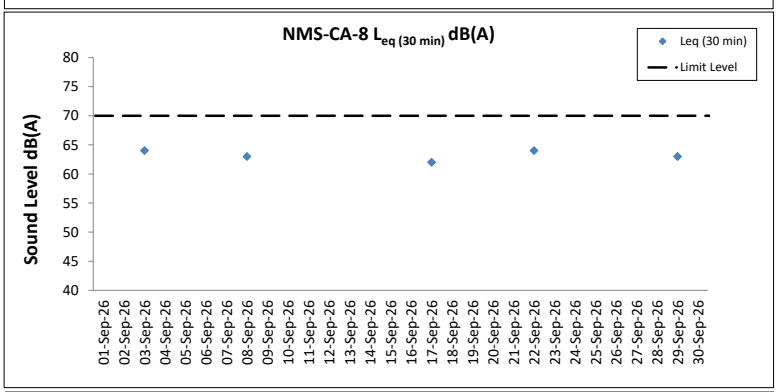
Station: NMS-CA-9 Hong Chi Shiu Pong Morninghope School

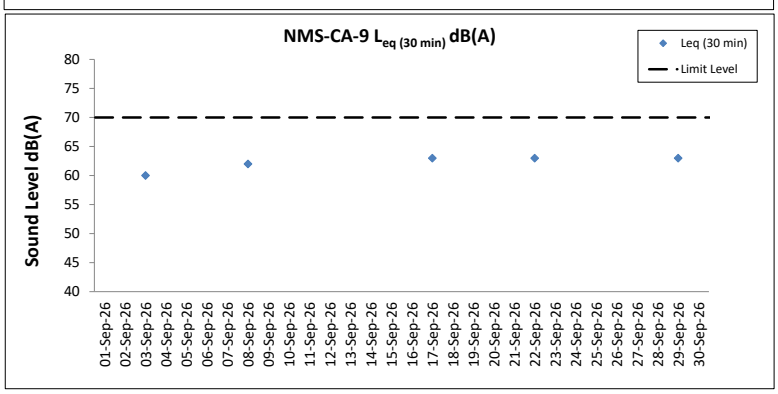
Date	Weather	Time	Measured $L_{eq(5mins)}$ dB(A)	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Sep-26	Cloudy	10:44	60.1	61.9	57.3	60
03-Sep-26	Cloudy	10:49	60.4	62.9	57.7	
03-Sep-26	Cloudy	10:54	59.0	61.1	56.7	
03-Sep-26	Cloudy	10:59	59.9	61.5	57.3	
03-Sep-26	Cloudy	11:04	62.2	64.4	58.8	
03-Sep-26	Cloudy	11:09	59.9	62.3	57.1	
08-Sep-26	Sunny	10:30	62.5	65.3	57.9	62
08-Sep-26	Sunny	10:35	61.5	64.1	57.2	
08-Sep-26	Sunny	10:40	63.0	66.1	58.7	
08-Sep-26	Sunny	10:45	62.0	65.0	57.7	
08-Sep-26	Sunny	10:50	60.8	63.2	57.1	
08-Sep-26	Sunny	10:55	60.4	62.6	56.9	
17-Sep-26	Sunny	10:47	62.1	65.0	57.8	63
17-Sep-26	Sunny	10:52	60.8	63.3	57.4	
17-Sep-26	Sunny	10:57	59.9	62.1	57.2	
17-Sep-26	Sunny	11:02	62.1	65.1	58.2	
17-Sep-26	Sunny	11:07	62.7	66.2	57.9	
17-Sep-26	Sunny	11:12	65.9	69.3	60.0	
22-Sep-26	Sunny	10:16	62.7	65.8	58.3	63
22-Sep-26	Sunny	10:21	63.1	66.5	58.3	
22-Sep-26	Sunny	10:26	60.6	62.8	57.7	
22-Sep-26	Sunny	10:31	63.1	64.2	59.3	
22-Sep-26	Sunny	10:36	64.7	66.1	61.8	
22-Sep-26	Sunny	10:41	63.8	66.1	60.0	
29-Sep-26	Sunny	10:15	63.8	65.7	60.2	63
29-Sep-26	Sunny	10:20	63.9	66.6	58.1	
29-Sep-26	Sunny	10:25	62.8	64.3	60.9	
29-Sep-26	Sunny	10:30	63.9	65.5	61.8	
29-Sep-26	Sunny	10:35	63.9	66.3	59.3	
29-Sep-26	Sunny	10:40	62.0	64.7	59.4	


NMS-CA-5 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
45
40
01-Sep-26
02-Sep-26
03-Sep-26
04-Sep-26
05-Sep-26
06-Sep-26
07-Sep-26
08-Sep-26
09-Sep-26
10-Sep-26
11-Sep-26
12-Sep-26
13-Sep-26
14-Sep-26
15-Sep-26
16-Sep-26
17-Sep-26
18-Sep-26
19-Sep-26
20-Sep-26
21-Sep-26
22-Sep-26
23-Sep-26
24-Sep-26
25-Sep-26
26-Sep-26
27-Sep-26
28-Sep-26
29-Sep-26
30-Sep-26


NMS-CA-6 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
45
40
01-Sep-26
02-Sep-26
03-Sep-26
04-Sep-26
05-Sep-26
06-Sep-26
07-Sep-26
08-Sep-26
09-Sep-26
10-Sep-26
11-Sep-26
12-Sep-26
13-Sep-26
14-Sep-26
15-Sep-26
16-Sep-26
17-Sep-26
18-Sep-26
19-Sep-26
20-Sep-26
21-Sep-26
22-Sep-26
23-Sep-26
24-Sep-26
25-Sep-26
26-Sep-26
27-Sep-26
28-Sep-26
29-Sep-26
30-Sep-26


NMS-CA-7 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
45
40
01-Sep-26
02-Sep-26
03-Sep-26
04-Sep-26
05-Sep-26
06-Sep-26
07-Sep-26
08-Sep-26
09-Sep-26
10-Sep-26
11-Sep-26
12-Sep-26
13-Sep-26
14-Sep-26
15-Sep-26
16-Sep-26
17-Sep-26
18-Sep-26
19-Sep-26
20-Sep-26
21-Sep-26
22-Sep-26
23-Sep-26
24-Sep-26
25-Sep-26
26-Sep-26
27-Sep-26
28-Sep-26
29-Sep-26
30-Sep-26


NMS-CA-8 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
45
40
01-Sep-26
02-Sep-26
03-Sep-26
04-Sep-26
05-Sep-26
06-Sep-26
07-Sep-26
08-Sep-26
09-Sep-26
10-Sep-26
11-Sep-26
12-Sep-26
13-Sep-26
14-Sep-26
15-Sep-26
16-Sep-26
17-Sep-26
18-Sep-26
19-Sep-26
20-Sep-26
21-Sep-26
22-Sep-26
23-Sep-26
24-Sep-26
25-Sep-26
26-Sep-26
27-Sep-26
28-Sep-26
29-Sep-26
30-Sep-26


NMS-CA-9 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
45
40
01-Sep-26
02-Sep-26
03-Sep-26
04-Sep-26
05-Sep-26
06-Sep-26
07-Sep-26
08-Sep-26
09-Sep-26
10-Sep-26
11-Sep-26
12-Sep-26
13-Sep-26
14-Sep-26
15-Sep-26
16-Sep-26
17-Sep-26
18-Sep-26
19-Sep-26
20-Sep-26
21-Sep-26
22-Sep-26
23-Sep-26
24-Sep-26
25-Sep-26
26-Sep-26
27-Sep-26
28-Sep-26
29-Sep-26
30-Sep-26

G5. Construction Noise Monitoring Event and Action Plan

Table G5.1: Event and Action Plan for Construction Noise

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

H. Water Quality

H1. Locations of Water Quality Monitoring Stations

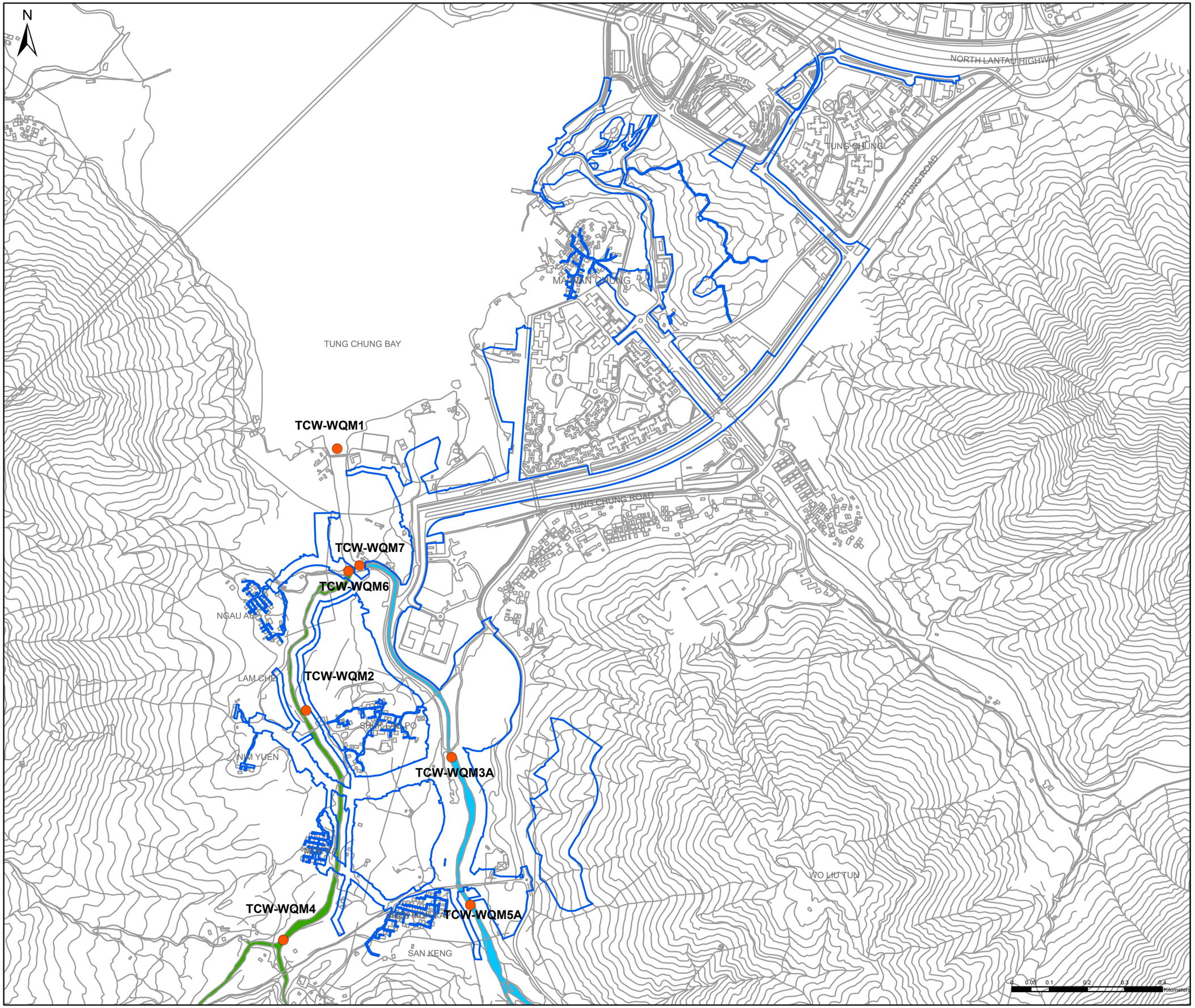
H2. Water Quality Monitoring Equipment Calibration Certificates

H3. Water Quality Monitoring Schedule

H4. Water Quality Monitoring Results

H5. Water Quality Monitoring Event and Action Plan

H1. Locations of Water Quality Monitoring Stations



Key Plan: 1:140,000



Notes:

Key to symbols:

LEGEND

- PROJECT AREA
- WATER QUALITY MONITORING STATION

TUNG CHUNG RIVER SECTION

- EASTERN TRIBUTARY
- WESTERN TRIBUTARY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	SEP 2021	KN		LL	TC

MOTT MACDONALD
3/F International Trade Tower
348 Kwun Tung Road
Kwun Tung, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W mottmac.com

Client

CEDD 土木工程拓展署
Civil Engineering and Development Department

Project

**AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION**

Title

LOCATION OF WATER QUALITY MONITORING STATIONS

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

APPENDIX H1

H2. Water Quality Monitoring Equipment Calibration Certificates

ALS Technichem (HK) Pty Ltd
11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
T: +852 2610 1044
F: +852 2610 2021
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	MR K.W.FAN	**WORK ORDER:**	HK2634211
CLIENT:	ENVIROTECH SERVICES CO.		
ADDRESS:	RM 712, 7/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HK	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	11-Aug-2026
		DATE OF ISSUE:	18-Aug-2026

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[HORIBA]/ [U-53]
Serial No./ Equipment No.:	[KP23RRSM]/ [N/A]
Date of Calibration:	14-August-2026

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

This report shall not be reproduced except in full without the written approval of the laboratory.

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2634211

SUB-BATCH: 0
DATE OF ISSUE: 18-Aug-2026
CLIENT: ENVIROTECH SERVICES CO.

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]
Date of Calibration: 14-August-2026 Date of Next Calibration: 14-November-2026

PARAMETERS:

Conductivity **Method Ref: APHA (23rd edition), 2510B**

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	155	+5.5
6667	6480	-2.8
12890	12100	-6.1
58670	58900	+0.4
	Tolerance Limit (%)	±10.0

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.40	2.34	-0.06
5.84	5.91	+0.07
7.45	7.34	-0.11
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	4.16	+0.16
7.0	7.09	+0.09
10.0	10.01	+0.01
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2634211

SUB-BATCH: 0
DATE OF ISSUE: 18-Aug-2026
CLIENT: ENVIROTECH SERVICES CO.

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]
Date of Calibration: 14-August-2026 Date of Next Calibration: 14-November-2026

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.00	--
4	4.21	+5.3
40	43.5	+8.8
80	84.1	+5.1
400	434	+8.5
800	790	-1.3
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.62	-3.8
20	19.19	-4.0
30	29.15	-2.8
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2634211

SUB-BATCH: 0
DATE OF ISSUE: 18-Aug-2026
CLIENT: ENVIROTECH SERVICES CO.

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [KP23RRSM]/ [N/A]
Date of Calibration: 14-August-2026 Date of Next Calibration: 14-November-2026

PARAMETERS:

Temperature **Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.**

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.5	11.21	+0.7
24.0	24.64	+0.6
39.5	38.95	-0.5
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

-------- END OF REPORT --------

H3. Water Quality Monitoring Schedule

September 2026 - Impact Monitoring Schedule for Tung Chung West

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 WQM (07:00)	3	4 WQM (07:30)	5
6	7 WQM (10:00)	8	9 WQM (11:40)	10	11 WQM (13:10)	12
13	14 WQM (14:20)	15	16 WQM (07:00)	17	18 WQM (08:00)	19
20	21 WQM (09:00)	22	23 WQM (10:50)	24	25 WQM (12:10)	26
27	28 WQM (13:50)	29	30 WQM (15:00)			

Notes:

Impact Water Quality Monitoring Stations:

TCW-WQM1 - Downstream of Tung Chung Stream

Tung Chung Stream (West)

TCW-WQM2 - Middle of Tung Chung Stream (West)

TCW-WQM4 - Upstream of Tung Chung Stream (West)

TCW-WQM6 - Downstream of Tung Chung Stream (West)

Tung Chung Stream (East)

TCW-WQM3A - Middle of Tung Chung Stream (East) [aka Upstream of River Park]

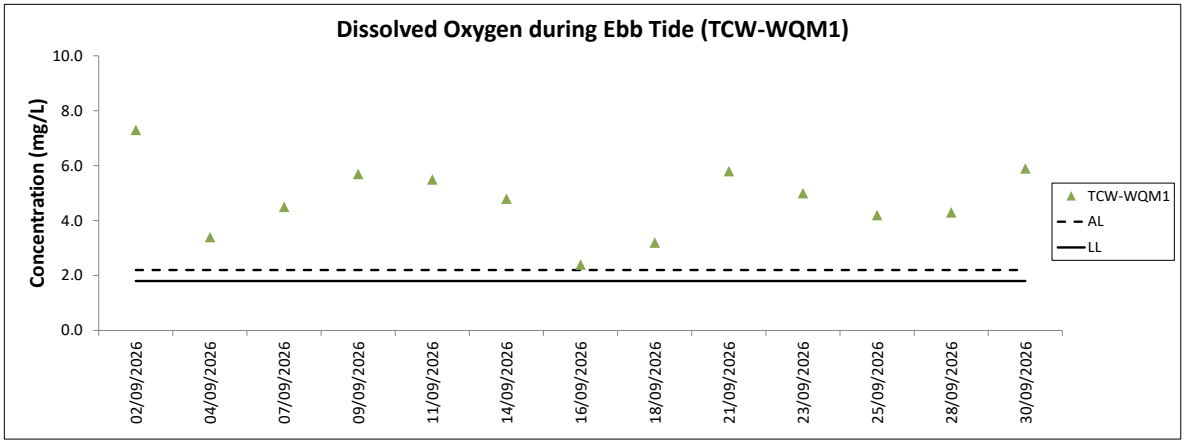
TCW-WQM5A - Upstream of Tung Chung Stream (East)

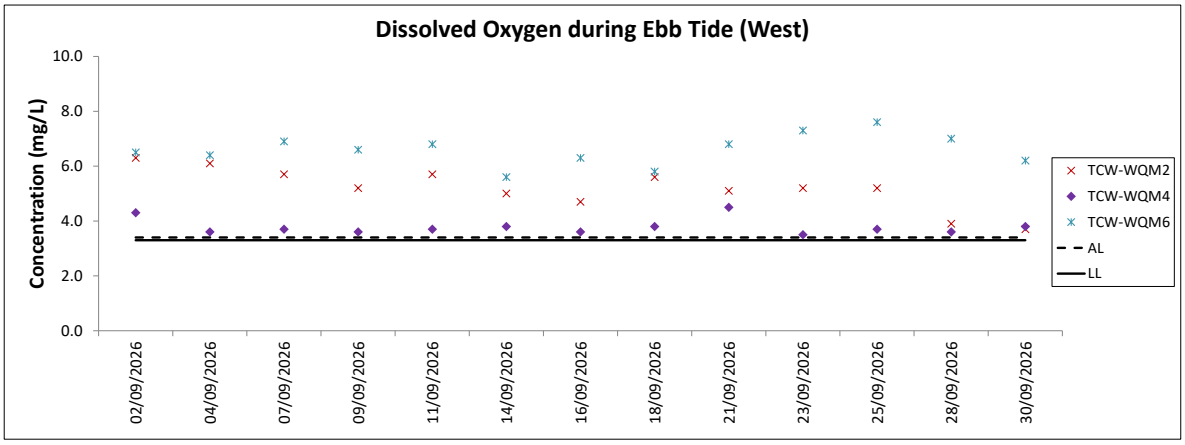
TCW-WQM7 - Downstream of Tung Chung Stream (East) [aka Downstream of River Park]

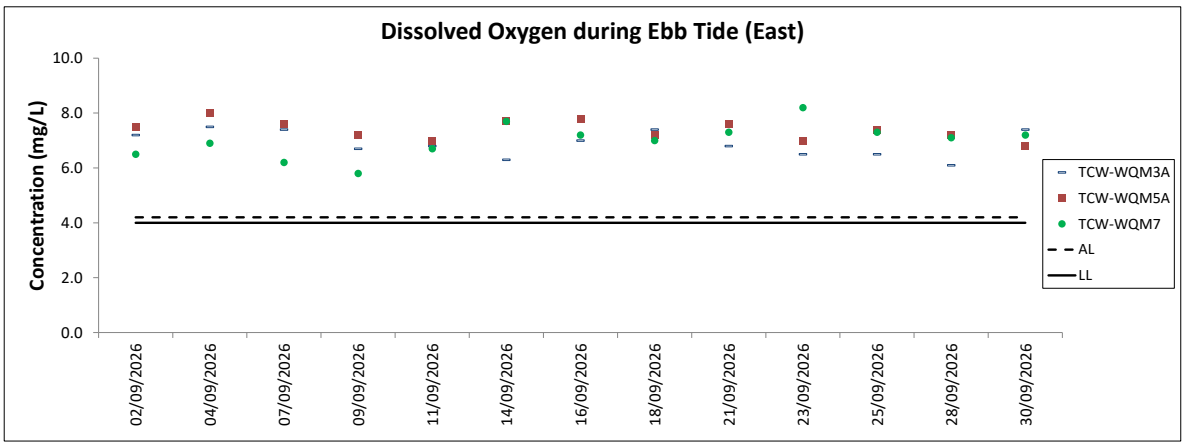
Remark:

Water quality monitoring is arranged at the ebb tide of each monitoring day. Tidal information refers to Chek Lap Kok East provided by the Hong Kong Observatory.

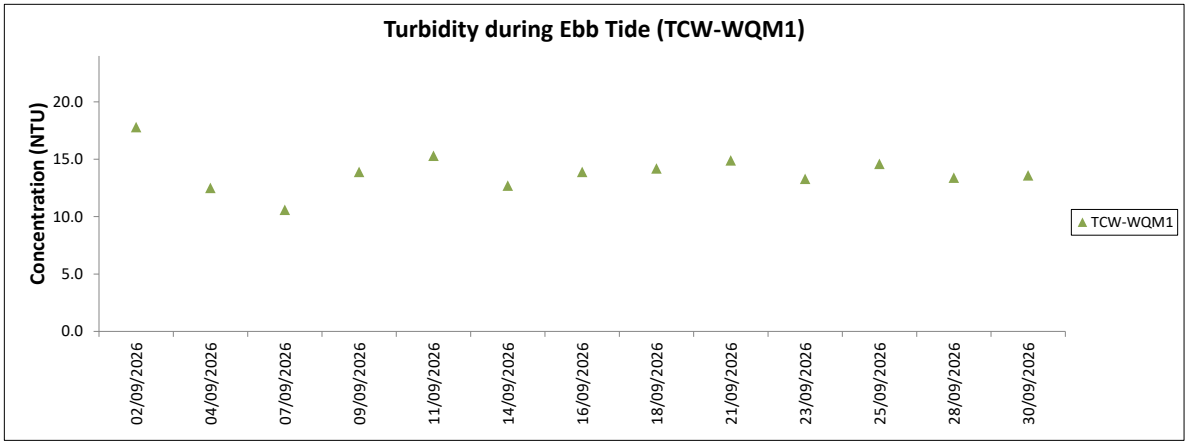
H4. Water Quality Monitoring Results

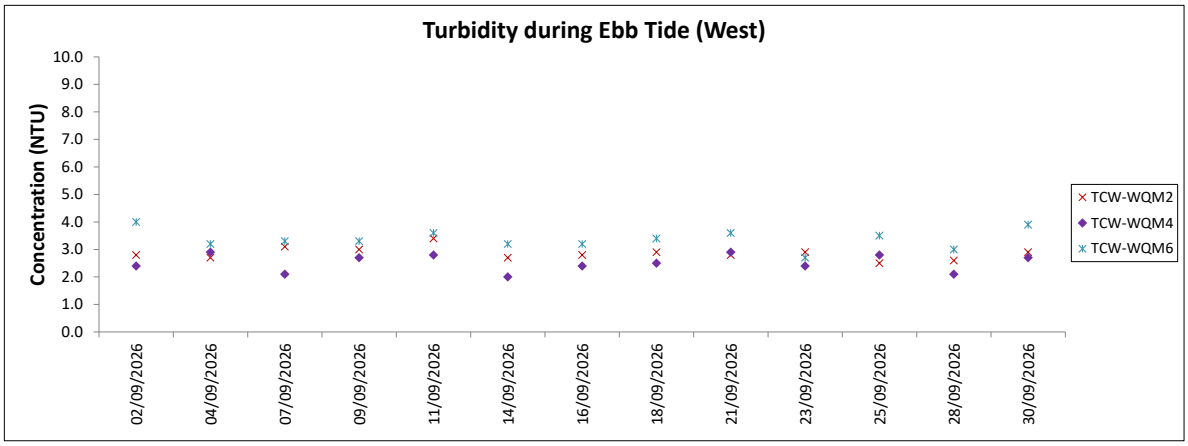


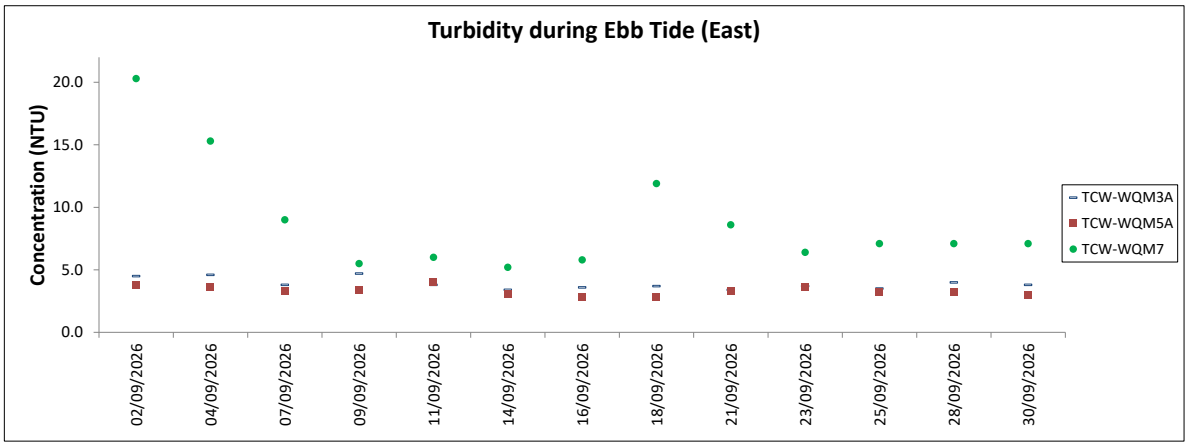




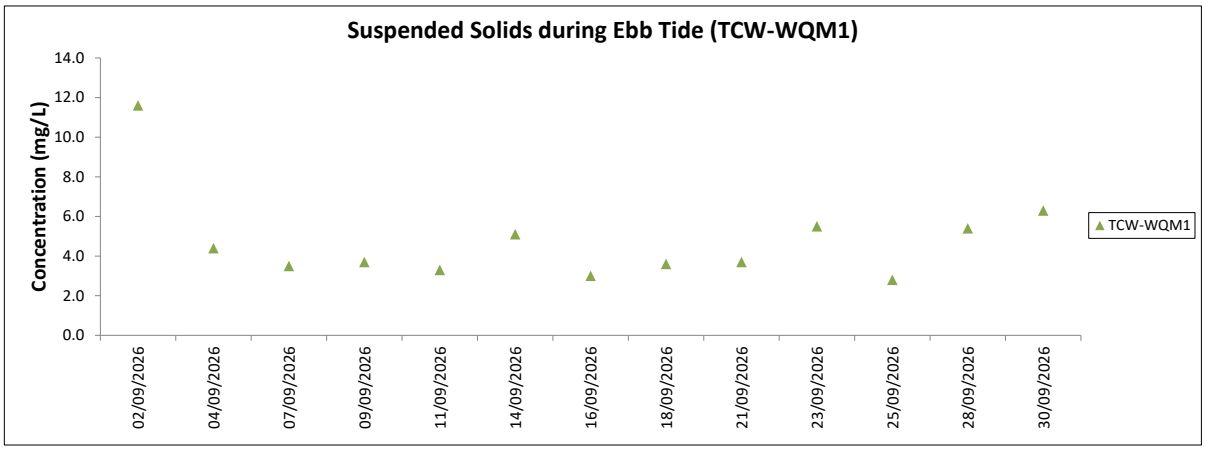
Note: The Action and Limit Level of dissolved oxygen can be referred to Table 4.3 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

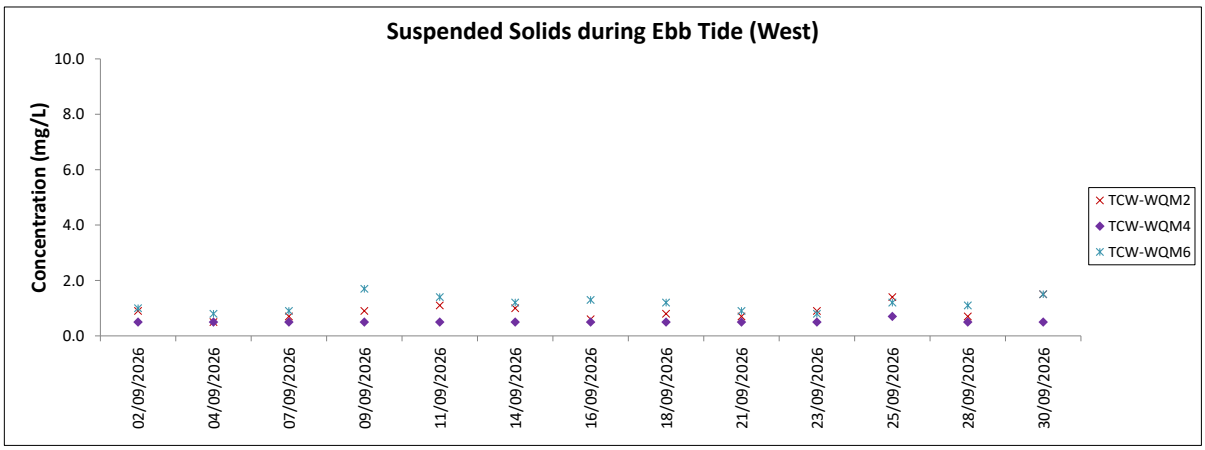


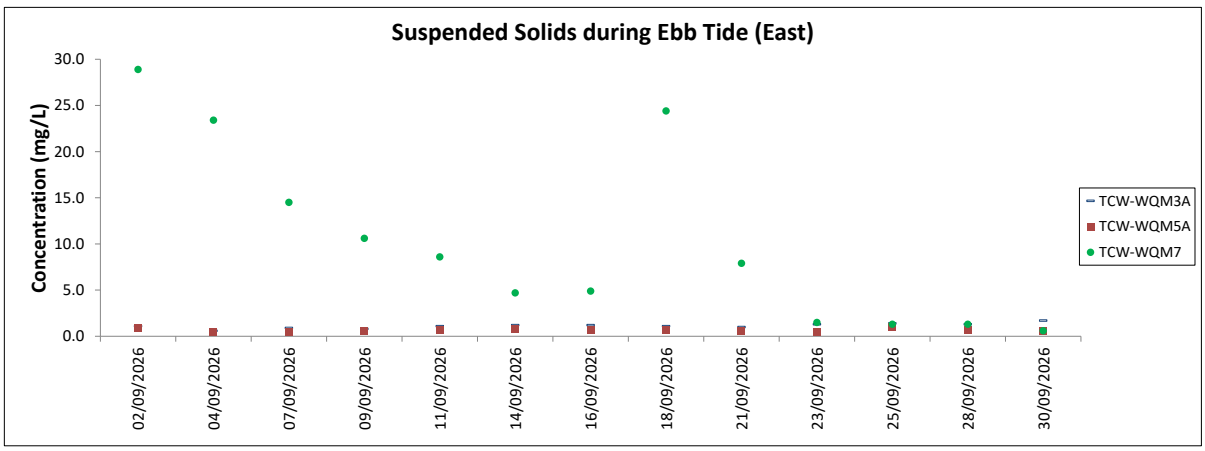




Note: The Action and Limit Level of turbidity can be referred to Table 4.3 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.







Note: The Action and Limit Level of suspended solids can be referred to Table 4.3 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 02 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cloudy	Rough	07:21	1st	25.6	25.6	7.1	7.1	1.30	1.31	2530	2550	90.3	89.8	7.3	7.3	17.6	17.8	11.9	**11.6**
				2nd	25.6		7.1		1.32		2570		89.2		7.2		18.0		11.3	
TCW-WQM2	Cloudy	NA	08:49	1st	25.4	25.4	6.4	6.4	0.01	0.01	25	25	76.8	76.4	6.3	6.3	2.8	2.8	1.0	0.9
				2nd	25.4		6.4		0.01		25		76.0		6.2		2.8		0.7	
TCW-WQM3A	Cloudy	NA	09:21	1st	25.2	25.2	6.6	6.6	0.02	0.02	36	36	87.1	87.1	7.2	7.2	4.3	4.5	1.0	1.1
				2nd	25.2		6.6		0.02		36		87.1		7.2		4.6		1.2	
TCW-WQM4	Cloudy	NA	09:55	1st	25.7	25.7	6.3	6.3	0.01	0.01	19	19	54.2	53.1	4.4	4.3	2.5	2.4	<0.5	<0.5
				2nd	25.7		6.3		0.01		19		52.0		4.2		2.2		<0.5	
TCW-WQM5A	Cloudy	NA	10:14	1st	25.0	25.0	6.5	6.5	0.01	0.01	15	15	90.5	89.9	7.5	7.5	3.6	3.8	1.0	0.9
				2nd	25.0		6.5		0.01		15		89.3		7.4		3.9		0.8	
TCW-WQM6	Cloudy	NA	08:17	1st	25.3	25.3	6.9	6.9	0.02	0.02	38	38	77.9	78.4	6.4	6.5	3.9	4.0	0.8	1.0
				2nd	25.3		6.9		0.02		38		78.8		6.5		4.0		1.2	
TCW-WQM7	Cloudy	NA	07:53	1st	25.4	25.4	9.1	9.1	0.04	0.04	92	92	78.6	78.7	6.5	6.5	20.2	20.3	27.1	**28.9**
				2nd	25.4		9.1		0.04		92		78.8		6.5		20.3		30.6	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 04 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (µS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	07:50	1st	27.3	27.3	7.4	7.4	20.13	20.23	32300	32450	48.7	47.3	3.5	3.4	12.1	12.5	4.1	4.4
				2nd	27.4		7.5		20.33		32600		45.8		3.2		12.9		4.6	
TCW-WQM2	Sunny	NA	09:19	1st	25.6	25.6	6.3	6.3	0.01	0.01	23	23	74.3	74.6	6.1	6.1	2.5	2.7	<0.5	<0.5
				2nd	25.6		6.3		0.01		23		74.8		6.1		2.8		<0.5	
TCW-WQM3A	Sunny	NA	09:41	1st	25.4	25.4	7.1	7.1	0.02	0.02	38	38	91.4	91.3	7.5	7.5	4.4	4.6	0.5	0.6
				2nd	25.4		7.1		0.02		38		91.1		7.5		4.8		0.7	
TCW-WQM4	Sunny	NA	10:15	1st	25.7	25.7	6.5	6.5	0.01	0.01	19	19	45.8	44.4	3.7	3.6	3.0	2.9	<0.5	<0.5
				2nd	25.8		6.5		0.01		19		43.0		3.5		2.8		<0.5	
TCW-WQM5A	Sunny	NA	10:32	1st	25.7	25.7	6.9	6.9	0.01	0.01	14	14	97.4	97.4	8.0	8.0	3.4	3.6	<0.5	<0.5
				2nd	25.7		6.9		0.01		14		97.3		7.9		3.7		<0.5	
TCW-WQM6	Sunny	NA	08:48	1st	25.5	25.5	6.7	6.6	0.02	0.02	38	38	78.9	78.0	6.5	6.4	3.2	3.2	0.6	0.8
				2nd	25.5		6.6		0.02		38		77.1		6.3		3.1		0.9	
TCW-WQM7	Sunny	NA	08:25	1st	25.8	25.8	9.3	9.3	0.04	0.04	87	87	84.4	84.1	6.9	6.9	14.6	15.3	20.2	**23.4**
				2nd	25.8		9.3		0.04		87		83.8		6.8		15.9		26.6	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 07 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (µS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	10:11	1st	28.9	28.9	7.9	7.9	22.32	22.43	35400	35600	72.9	65.9	5.0	4.5	10.8	10.6	3.2	3.5
				2nd	28.8		7.9		22.54		35800		58.9		4.0		10.3		3.8	
TCW-WQM2	Sunny	NA	11:28	1st	27.6	27.5	6.8	6.8	0.01	0.01	21	21	70.3	72.1	5.5	5.7	3.0	3.1	0.7	0.7
				2nd	27.5		6.8		0.01		21		73.9		5.8		3.1		0.7	
TCW-WQM3A	Sunny	NA	11:50	1st	27.2	27.2	7.6	7.6	0.03	0.03	58	58	93.3	93.1	7.4	7.4	3.9	3.8	0.9	0.9
				2nd	27.2		7.6		0.03		58		92.9		7.4		3.6		0.8	
TCW-WQM4	Sunny	NA	12:29	1st	26.9	26.9	6.5	6.5	0.01	0.01	20	20	46.7	46.5	3.7	3.7	2.0	2.1	<0.5	<0.5
				2nd	26.9		6.5		0.01		20		46.2		3.7		2.1		<0.5	
TCW-WQM5A	Sunny	NA	12:44	1st	27.4	27.4	7.0	7.0	0.01	0.01	16	16	95.7	95.6	7.6	7.6	3.4	3.3	<0.5	<0.5
				2nd	27.4		7.0		0.01		16		95.5		7.6		3.1		<0.5	
TCW-WQM6	Sunny	NA	11:07	1st	27.1	27.1	7.3	7.3	0.02	0.02	40	40	86.4	86.1	6.9	6.9	3.3	3.3	0.8	0.9
				2nd	27.1		7.3		0.02		40		85.8		6.8		3.3		1.0	
TCW-WQM7	Sunny	NA	10:53	1st	29.0	29.0	9.6	9.6	0.04	0.04	98	97	80.2	80.3	6.2	6.2	8.7	9.0	14.0	**14.5**
				2nd	29.0		9.7		0.04		96		80.4		6.2		9.3		14.9	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 09 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	12:15	1st	29.2	29.2	8.1	8.1	24.39	24.44	38400	38450	82.3	84.5	5.5	5.7	14.1	13.9	3.6	3.7
				2nd	29.3		8.2		24.48		38500		86.7		5.8		13.6		3.7	
TCW-WQM2	Sunny	NA	13:12	1st	28.5	28.5	6.7	6.7	0.01	0.01	24	24	64.0	66.3	5.0	5.2	2.7	3.0	1.0	0.9
				2nd	28.5		6.7		0.01		24		68.5		5.3		3.3		0.8	
TCW-WQM3A	Sunny	NA	13:31	1st	28.2	28.2	7.2	7.2	0.02	0.02	44	44	86.0	86.0	6.7	6.7	4.6	4.7	0.8	0.8
				2nd	28.2		7.2		0.02		44		86.0		6.7		4.8		0.8	
TCW-WQM4	Sunny	NA	14:02	1st	27.5	27.5	6.5	6.5	0.01	0.01	22	22	46.0	45.8	3.6	3.6	2.7	2.7	<0.5	0.5
				2nd	27.5		6.5		0.01		22		45.5		3.6		2.7		0.5	
TCW-WQM5A	Sunny	NA	14:18	1st	27.7	27.7	6.5	6.5	0.01	0.01	18	18	90.9	90.3	7.2	7.2	3.5	3.4	0.7	0.6
				2nd	27.7		6.5		0.01		18		89.7		7.1		3.3		0.5	
TCW-WQM6	Sunny	NA	12:48	1st	27.5	27.5	7.3	7.2	0.03	0.03	68	68	83.2	83.6	6.6	6.6	3.4	3.3	2.0	1.7
				2nd	27.5		7.2		0.03		68		83.9		6.6		3.2		1.3	
TCW-WQM7	Sunny	NA	12:38	1st	30.3	30.3	9.8	9.8	0.07	0.07	151	151	77.9	77.1	5.9	5.8	5.6	5.5	9.8	**10.6**
				2nd	30.3		9.8		0.07		150		76.2		5.7		5.3		11.3	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 11 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	12:50	1st	28.7	28.7	8.0	8.0	24.51	24.55	38600	38650	81.8	81.6	5.5	5.5	14.9	15.3	3.3	3.3
				2nd	28.7		8.0		24.58		38700		81.3		5.5		15.6		3.3	
TCW-WQM2	Sunny	NA	13:51	1st	28.6	28.6	6.5	6.4	0.01	0.01	26	26	72.0	73.3	5.6	5.7	3.1	3.4	1.0	1.1
				2nd	28.6		6.4		0.01		26		74.6		5.8		3.7		1.1	
TCW-WQM3A	Sunny	NA	14:11	1st	28.0	28.0	7.2	7.2	0.02	0.02	46	46	86.4	86.4	6.8	6.8	3.9	3.8	1.0	1.1
				2nd	28.0		7.2		0.02		46		86.4		6.8		3.6		1.1	
TCW-WQM4	Sunny	NA	14:41	1st	27.3	27.3	6.0	6.0	0.01	0.01	20	20	46.7	46.5	3.7	3.7	2.8	2.8	<0.5	<0.5
				2nd	27.3		6.0		0.01		20		46.3		3.7		2.8		<0.5	
TCW-WQM5A	Sunny	NA	14:57	1st	27.9	27.9	6.5	6.5	0.01	0.01	18	18	88.7	88.6	7.0	7.0	4.0	4.0	0.6	0.7
				2nd	27.9		6.5		0.01		18		88.4		6.9		3.9		0.7	
TCW-WQM6	Sunny	NA	13:32	1st	28.2	28.2	7.1	7.1	0.34	0.34	693	694	85.6	86.2	6.7	6.8	3.7	3.6	1.2	1.4
				2nd	28.2		7.1		0.34		695		86.7		6.8		3.4		1.5	
TCW-WQM7	Sunny	NA	13:15	1st	30.4	30.4	9.7	9.7	0.64	0.64	1300	1295	88.7	89.0	6.6	6.7	6.0	6.0	8.0	8.6
				2nd	30.4		9.7		0.64		1290		89.2		6.7		5.9		9.1	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 14 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	13:49	1st	28.8	28.8	8.1	8.1	26.44	26.37	41300	41200	71.1	72.4	4.7	4.8	13.2	12.7	5.6	5.1
				2nd	28.9		8.2		26.29		41100		73.6		4.9		12.1		4.5	
TCW-WQM2	Sunny	NA	12:26	1st	26.7	26.7	5.8	5.8	0.01	0.01	28	28	64.7	62.5	5.2	5.0	2.6	2.7	1.0	1.0
				2nd	26.8		5.8		0.01		28		60.2		4.8		2.8		0.9	
TCW-WQM3A	Sunny	NA	12:03	1st	26.4	26.4	5.9	5.9	0.02	0.02	46	46	78.4	78.3	6.3	6.3	3.5	3.4	1.2	1.2
				2nd	26.4		5.9		0.02		46		78.1		6.3		3.3		1.2	
TCW-WQM4	Sunny	NA	11:25	1st	26.4	26.4	5.4	5.4	0.01	0.01	23	23	47.5	47.1	3.8	3.8	2.0	2.0	<0.5	<0.5
				2nd	26.4		5.3		0.01		23		46.7		3.8		1.9		<0.5	
TCW-WQM5A	Sunny	NA	11:41	1st	26.3	26.3	5.7	5.7	0.01	0.01	18	18	95.6	95.4	7.7	7.7	3.2	3.1	0.8	0.8
				2nd	26.3		5.7		0.01		18		95.1		7.7		3.0		0.7	
TCW-WQM6	Sunny	NA	13:14	1st	26.7	26.7	6.4	6.4	0.02	0.02	43	43	69.5	69.4	5.6	5.6	3.3	3.2	1.1	1.2
				2nd	26.7		6.4		0.02		43		69.3		5.6		3.0		1.2	
TCW-WQM7	Sunny	NA	12:51	1st	27.0	27.0	9.3	9.3	0.05	0.05	106	106	96.4	96.4	7.7	7.7	5.2	5.2	4.7	4.7
				2nd	27.0		9.3		0.05		106		96.3		7.7		5.1		4.7	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 16 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	07:17	1st	28.2	28.3	7.4	7.4	24.59	24.89	38800	39200	36.6	35.6	2.5	2.4	14.2	13.9	3.0	3.0
				2nd	28.4		7.5		25.19		39600		34.6		2.3		13.6		3.0	
TCW-WQM2	Sunny	NA	09:00	1st	26.2	26.2	6.8	6.8	0.01	0.01	27	27	59.3	57.3	4.8	4.7	2.8	2.8	0.5	0.6
				2nd	26.2		6.7		0.01		27		55.3		4.5		2.7		0.7	
TCW-WQM3A	Sunny	NA	09:41	1st	26.1	26.1	7.2	7.2	0.02	0.02	46	46	85.6	86.1	6.9	7.0	3.5	3.6	1.2	1.2
				2nd	26.1		7.2		0.02		46		86.6		7.0		3.7		1.1	
TCW-WQM4	Sunny	NA	10:18	1st	26.3	26.3	6.6	6.6	0.01	0.01	23	23	45.6	44.2	3.7	3.6	2.5	2.4	<0.5	<0.5
				2nd	26.4		6.6		0.01		23		42.8		3.5		2.3		<0.5	
TCW-WQM5A	Sunny	NA	10:34	1st	26.3	26.3	7.1	7.1	0.01	0.01	17	17	97.0	97.0	7.8	7.8	2.7	2.8	0.6	0.7
				2nd	26.3		7.1		0.01		17		96.9		7.8		2.9		0.8	
TCW-WQM6	Sunny	NA	08:21	1st	26.1	26.1	7.3	7.3	0.02	0.02	41	41	76.5	77.3	6.2	6.3	3.3	3.2	1.5	1.3
				2nd	26.1		7.3		0.02		41		78.0		6.3		3.1		1.1	
TCW-WQM7	Sunny	NA	07:50	1st	26.6	26.6	10.3	10.3	0.05	0.05	115	115	90.2	90.1	7.2	7.2	6.0	5.8	4.8	4.9
				2nd	26.6		10.3		0.05		114		89.9		7.2		5.6		4.9	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 18 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	08:22	1st	29.1	29.1	7.8	7.8	26.13	26.15	40900	40900	50.5	47.5	3.4	3.2	14.7	14.2	3.7	3.6
				2nd	29.1		7.8		26.16		40900		44.4		3.0		13.7		3.5	
TCW-WQM2	Sunny	NA	09:42	1st	26.1	26.1	7.1	7.1	0.01	0.01	30	30	67.9	68.3	5.5	5.6	2.8	2.9	0.7	0.8
				2nd	26.1		7.1		0.01		29		68.7		5.6		3.0		0.8	
TCW-WQM3A	Sunny	NA	10:04	1st	25.9	25.9	7.3	7.3	0.02	0.02	42	42	91.0	91.0	7.4	7.4	3.6	3.7	1.1	1.1
				2nd	25.9		7.3		0.02		42		90.9		7.4		3.8		1.1	
TCW-WQM4	Sunny	NA	10:36	1st	26.1	26.1	6.9	6.8	0.01	0.01	22	22	45.4	46.5	3.7	3.8	2.4	2.5	<0.5	<0.5
				2nd	26.0		6.8		0.01		22		47.6		3.9		2.5		<0.5	
TCW-WQM5A	Sunny	NA	10:55	1st	26.7	26.7	7.4	7.4	0.01	0.01	17	17	89.9	89.7	7.2	7.2	2.9	2.8	0.6	0.7
				2nd	26.7		7.4		0.01		17		89.5		7.2		2.7		0.7	
TCW-WQM6	Sunny	NA	09:21	1st	26.0	26.0	7.7	7.7	0.02	0.02	47	47	71.0	71.0	5.8	5.8	3.6	3.4	1.2	1.2
				2nd	26.0		7.7		0.02		47		70.9		5.8		3.1		1.2	
TCW-WQM7	Sunny	NA	09:04	1st	27.0	26.9	11.2	11.2	0.15	0.14	307	290	87.2	87.4	7.0	7.0	11.8	11.9	24.6	**24.4**
				2nd	26.9		11.2		0.13		272		87.6		7.0		11.9		24.2	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 21 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Cloudy	Rough	08:49	1st	30.1	30.1	8.6	8.6	23.49	23.49	37100	37100	87.9	88.0	5.8	5.8	15.6	14.9	3.5	3.7
				2nd	30.1		8.6		23.49		37100		88.0		5.8		14.1		3.9	
TCW-WQM2	Sunny	NA	09:49	1st	26.1	26.1	6.5	6.5	0.01	0.01	28	28	64.2	63.1	5.2	5.1	2.8	2.8	0.8	0.7
				2nd	26.1		6.5		0.01		28		61.9		5.0		2.7		0.5	
TCW-WQM3A	Sunny	NA	10:10	1st	25.9	25.9	7.1	7.1	0.02	0.02	49	49	83.2	83.2	6.8	6.8	3.4	3.4	1.0	1.0
				2nd	25.9		7.1		0.02		49		83.2		6.8		3.3		1.0	
TCW-WQM4	Sunny	NA	10:53	1st	26.0	26.0	6.3	6.3	0.01	0.01	22	22	53.8	55.0	4.4	4.5	2.8	2.9	0.5	0.5
				2nd	26.0		6.4		0.01		22		56.1		4.6		2.9		<0.5	
TCW-WQM5A	Sunny	NA	11:10	1st	26.4	26.4	7.1	7.1	0.01	0.01	17	17	94.6	94.6	7.6	7.6	3.3	3.3	0.6	0.6
				2nd	26.4		7.1		0.01		17		94.6		7.6		3.3		0.6	
TCW-WQM6	Cloudy	NA	09:27	1st	25.8	25.8	7.3	7.3	0.02	0.02	41	41	82.6	82.8	6.7	6.8	3.8	3.6	0.8	0.9
				2nd	25.8		7.3		0.02		41		82.9		6.8		3.3		0.9	
TCW-WQM7	Cloudy	NA	09:16	1st	27.0	27.0	10.5	10.5	0.07	0.07	149	150	91.9	91.8	7.3	7.3	8.2	8.6	7.9	7.9
				2nd	27.0		10.5		0.07		151		91.6		7.3		8.9		7.8	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 23 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	11:14	1st	29.6	29.6	8.3	8.3	23.84	23.84	37600	37600	75.3	75.0	5.0	5.0	12.8	13.3	5.8	5.5
				2nd	29.6		8.3		23.84		37600		74.7		5.0		13.7		5.1	
TCW-WQM2	Sunny	NA	12:53	1st	27.3	27.3	6.6	6.6	0.01	0.01	32	32	65.8	65.4	5.2	5.2	2.8	2.9	0.8	0.9
				2nd	27.3		6.6		0.01		31		65.0		5.2		2.9		0.9	
TCW-WQM3A	Sunny	NA	13:12	1st	26.9	26.9	7.6	7.6	0.03	0.03	69	69	81.3	80.5	6.5	6.5	3.6	3.7	1.4	1.3
				2nd	26.9		7.6		0.03		69		79.7		6.4		3.7		1.1	
TCW-WQM4	Sunny	NA	13:39	1st	26.5	26.5	6.7	6.7	0.01	0.01	22	22	44.1	43.7	3.5	3.5	2.5	2.4	<0.5	<0.5
				2nd	26.5		6.7		0.01		22		43.2		3.5		2.3		<0.5	
TCW-WQM5A	Sunny	NA	13:56	1st	26.9	26.9	6.9	6.9	0.01	0.01	18	18	87.9	88.1	7.0	7.0	3.6	3.6	<0.5	<0.5
				2nd	26.9		6.9		0.01		18		88.3		7.0		3.6		<0.5	
TCW-WQM6	Sunny	NA	12:30	1st	26.4	26.4	7.2	7.2	0.02	0.02	38	38	91.3	90.3	7.4	7.3	2.8	2.7	0.7	0.8
				2nd	26.4		7.2		0.02		38		89.2		7.2		2.5		0.8	
TCW-WQM7	Sunny	NA	12:20	1st	28.3	28.3	10.4	10.4	0.06	0.06	124	123	104.1	104.4	8.1	8.2	6.5	6.4	1.4	1.5
				2nd	28.3		10.4		0.06		122		104.7		8.2		6.2		1.5	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 25 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	11:46	1st	29.0	29.0	8.1	8.1	25.24	25.41	39600	39850	62.6	62.1	4.2	4.2	14.3	14.6	2.8	2.8
				2nd	29.0		8.1		25.58		40100		61.6		4.1		14.8		2.7	
TCW-WQM2	Sunny	NA	10:33	1st	26.3	26.3	6.1	6.1	0.01	0.01	34	34	64.4	64.7	5.2	5.2	2.4	2.5	1.5	1.4
				2nd	26.3		6.1		0.01		34		65.0		5.2		2.5		1.2	
TCW-WQM3A	Sunny	NA	10:05	1st	25.9	25.9	6.5	6.5	0.02	0.02	50	50	78.8	79.5	6.4	6.5	3.4	3.5	1.5	1.4
				2nd	25.9		6.5		0.02		50		80.1		6.5		3.5		1.2	
TCW-WQM4	Sunny	NA	09:25	1st	26.0	26.0	5.7	5.7	0.01	0.01	22	22	45.5	44.6	3.7	3.7	2.9	2.8	0.7	0.7
				2nd	26.0		5.7		0.01		22		43.7		3.6		2.7		0.6	
TCW-WQM5A	Sunny	NA	09:40	1st	25.7	25.7	5.8	5.8	0.01	0.01	18	18	91.2	91.1	7.4	7.4	3.1	3.2	1.1	1.0
				2nd	25.7		5.8		0.01		18		90.9		7.4		3.3		0.9	
TCW-WQM6	Sunny	NA	11:06	1st	26.3	26.3	7.1	7.0	0.02	0.02	45	45	93.5	93.7	7.5	7.6	3.7	3.5	1.1	1.2
				2nd	26.3		7.0		0.02		45		93.9		7.6		3.2		1.3	
TCW-WQM7	Sunny	NA	10:52	1st	28.1	28.1	9.6	9.6	0.05	0.05	107	107	92.8	93.1	7.3	7.3	6.9	7.1	1.5	1.3
				2nd	28.0		9.7		0.05		107		93.4		7.3		7.3		1.1	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 28 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (μS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	13:42	1st	31.1	31.1	8.3	8.3	25.85	25.86	40500	40500	68.0	66.1	4.4	4.3	13.3	13.4	5.8	5.4
				2nd	31.1		8.3		25.86		40500		64.2		4.1		13.4		5.0	
TCW-WQM2	Sunny	NA	12:14	1st	28.9	28.9	6.6	6.6	0.01	0.01	32	32	51.0	51.0	3.9	3.9	2.7	2.6	0.8	0.7
				2nd	28.9		6.6		0.01		32		51.0		3.9		2.4		0.6	
TCW-WQM3A	Sunny	NA	11:49	1st	28.0	28.0	6.6	6.6	0.02	0.02	52	52	77.0	77.3	6.0	6.1	3.9	4.0	1.3	1.3
				2nd	28.0		6.6		0.02		52		77.6		6.1		4.1		1.2	
TCW-WQM4	Sunny	NA	11:09	1st	26.4	26.4	5.9	5.9	0.01	0.01	23	24	46.4	44.4	3.7	3.6	2.0	2.1	<0.5	<0.5
				2nd	26.4		5.9		0.01		24		42.4		3.4		2.2		<0.5	
TCW-WQM5A	Sunny	NA	11:25	1st	27.8	27.8	6.3	6.2	0.01	0.01	19	19	91.2	91.2	7.2	7.2	3.2	3.2	0.7	0.7
				2nd	27.8		6.2		0.01		19		91.1		7.2		3.1		0.7	
TCW-WQM6	Sunny	NA	12:56	1st	28.2	28.2	7.1	7.1	0.02	0.02	44	44	89.4	89.5	7.0	7.0	3.1	3.0	0.9	1.1
				2nd	28.2		7.1		0.02		44		89.6		7.0		2.9		1.3	
TCW-WQM7	Sunny	NA	12:43	1st	31.6	31.6	10.0	10.0	0.06	0.06	140	140	97.1	97.2	7.1	7.1	7.0	7.1	1.3	1.3
				2nd	31.7		10.0		0.06		140		97.2		7.1		7.1		1.2	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Tung Chung New Town Extension (West)
Water Quality Monitoring
Water Quality Monitoring Results on 30 September 2026 during Ebb Tide

Monitoring Station	Weather Condition	Tidal Condition	Sampling Time	Replicate	Water Temperature (°C)		pH		Salinity (ppt)		Conductivity (µS/cm)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
TCW-WQM1	Sunny	Rough	15:00	1st	32.7	32.7	8.3	8.3	23.22	23.28	36800	36850	94.1	91.5	6.0	5.9	13.8	13.6	6.2	6.3
				2nd	32.7		8.3		23.33		36900		88.9		5.7		13.3		6.4	
TCW-WQM2	Sunny	NA	14:04	1st	29.4	29.4	6.6	6.6	0.02	0.02	45	45	49.5	48.6	3.8	3.7	2.8	2.9	1.6	1.5
				2nd	29.4		6.6		0.02		45		47.6		3.6		2.9		1.4	
TCW-WQM3A	Sunny	NA	13:41	1st	28.7	28.7	6.8	6.8	0.02	0.02	52	52	96.2	96.3	7.4	7.4	3.7	3.8	1.8	1.7
				2nd	28.7		6.8		0.02		51		96.3		7.4		3.9		1.6	
TCW-WQM4	Sunny	NA	13:01	1st	27.5	27.5	6.4	6.4	0.01	0.01	30	30	47.7	47.5	3.8	3.8	2.7	2.7	<0.5	<0.5
				2nd	27.5		6.4		0.01		30		47.2		3.7		2.6		<0.5	
TCW-WQM5A	Sunny	NA	13:20	1st	28.5	28.5	6.4	6.4	0.01	0.01	20	20	86.4	87.2	6.7	6.8	3.2	3.0	0.5	0.6
				2nd	28.5		6.4		0.01		20		87.9		6.8		2.8		0.6	
TCW-WQM6	Sunny	NA	14:36	1st	29.3	29.3	7.2	7.2	0.03	0.03	67	67	80.7	80.5	6.2	6.2	3.7	3.9	1.4	1.5
				2nd	29.3		7.2		0.03		67		80.3		6.2		4.0		1.5	
TCW-WQM7	Sunny	NA	14:26	1st	32.0	32.0	10.1	10.1	0.05	0.05	115	115	98.4	98.6	7.2	7.2	6.7	7.1	0.6	0.6
				2nd	32.0		10.1		0.05		115		98.7		7.2		7.4		0.6	

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
NA: This monitoring location is not subject to tidal effect.
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

H5. Water Quality Monitoring Event and Action Plan

Table H5.1: Event and Action Plan for Construction Water Quality

Event	Action			
	ET	**IEC**	**ER**	**Contractor**
Action Level Exceedance for one sampling day	1. Inform IEC, Contractor and ER; 2. Check monitoring data, all plant, equipment and Contractor's working methods; and 3. Discuss remedial measures with IEC and Contractor and ER.	1. Discuss with ET, ER and Contractor on the implemented mitigation measures; 2. Review proposals on remedial measures submitted by Contractor and advise the ER accordingly; and 3. Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the implemented mitigation measures; 2. Make agreement on the remedial measures to be implemented; 3. Supervise the implementation of agreed remedial measures.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Rectify unacceptable practice; 4. Check all plant and equipment; 5. Consider changes of working methods; 6. Discuss with ER, ET and IEC and purpose remedial measures to IEC and ER; and 7. Implement the agreed mitigation measures.
Action Level Exceedance for more than one consecutive sampling days	1. Repeat in-situ measurement on next day of exceedance to confirm findings; 2. Inform IEC, contractor and ER; 3. Check monitoring data, all plant, equipment and Contractor's working methods; 4. Discuss remedial measures with IEC, contractor and ER 5. Ensure remedial measures are implemented.	1. Discuss with ET, Contractor and ER on the implemented mitigation measures; 2. Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and 3. Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.	1. Discuss with ET, IEC and Contractor on the proposed mitigation measures; 2. Make agreement on the remedial measures to be implemented ; and 3. Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Rectify unacceptable practice; 4. Check all plant and equipment and consider changes of working methods; 5. Discuss with ET, IEC and ER and submit proposal of remedial measures to ER and IEC within 3 working days of notification; and 6. Implement the agreed mitigation measures.

Event	Action			
	ET	**IEC**	**ER**	**Contractor**
Limit Level Exceedance for one sampling day	1. Repeat in-situ measurement on next day of exceedance to confirm findings; 2. Inform IEC, contractor and ER; 3. Rectify unacceptable practice; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Consider changes of working methods; 6. Discuss mitigation measures with IEC, ER and Contractor; and 7. Ensure the agreed remedial measures are implemented.	1. Discuss with ET, Contractor and ER on the implemented mitigation measures; 2. Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and 3. Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.	1. Discuss with ET, IEC and Contractor on the implemented remedial measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the remedial measures to be implemented; and 4. Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Rectify unacceptable practice; 4. Check all plant and equipment and consider changes of working methods; 5. Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and 6. Implement the agreed remedial measures.
Limit Level Exceedance for more than one consecutive sampling days	1. Inform IEC, Contractor and ER; 2. Check monitoring data, all plant, equipment and Contractor's working methods; 3. Discuss mitigation measures with IEC, ER and Contractor; and 4. Ensure mitigation measures are implemented; and 5. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.	1. Discuss with ET, Contractor and ER on the implemented mitigation measures; 2. Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and 3. Review and advise the ET and ER on the effectiveness of the implemented mitigation measures.	1. Discuss with ET, IEC and Contractor on the implemented remedial measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the remedial measures to be implemented; 4. Discuss with ET and IEC on the effectiveness of the implemented mitigation measures; and 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the relevant site construction activities until no exceedance of Limit level.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Rectify unacceptable practice; 4. Check all plant and equipment and consider changes of working methods; 5. Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and 6. Implement the agreed remedial measures. 7. As directed by the ER, to slow down or stop all or part of the relevant site construction activities until no exceedance of Limit level.

I. Ecology

I1. Locations of Ecological Impact Monitoring Stations

I2. Ecologically-related Water Quality Monitoring Equipment Calibration Certificates

I3. Representative Photos of Species Surveyed

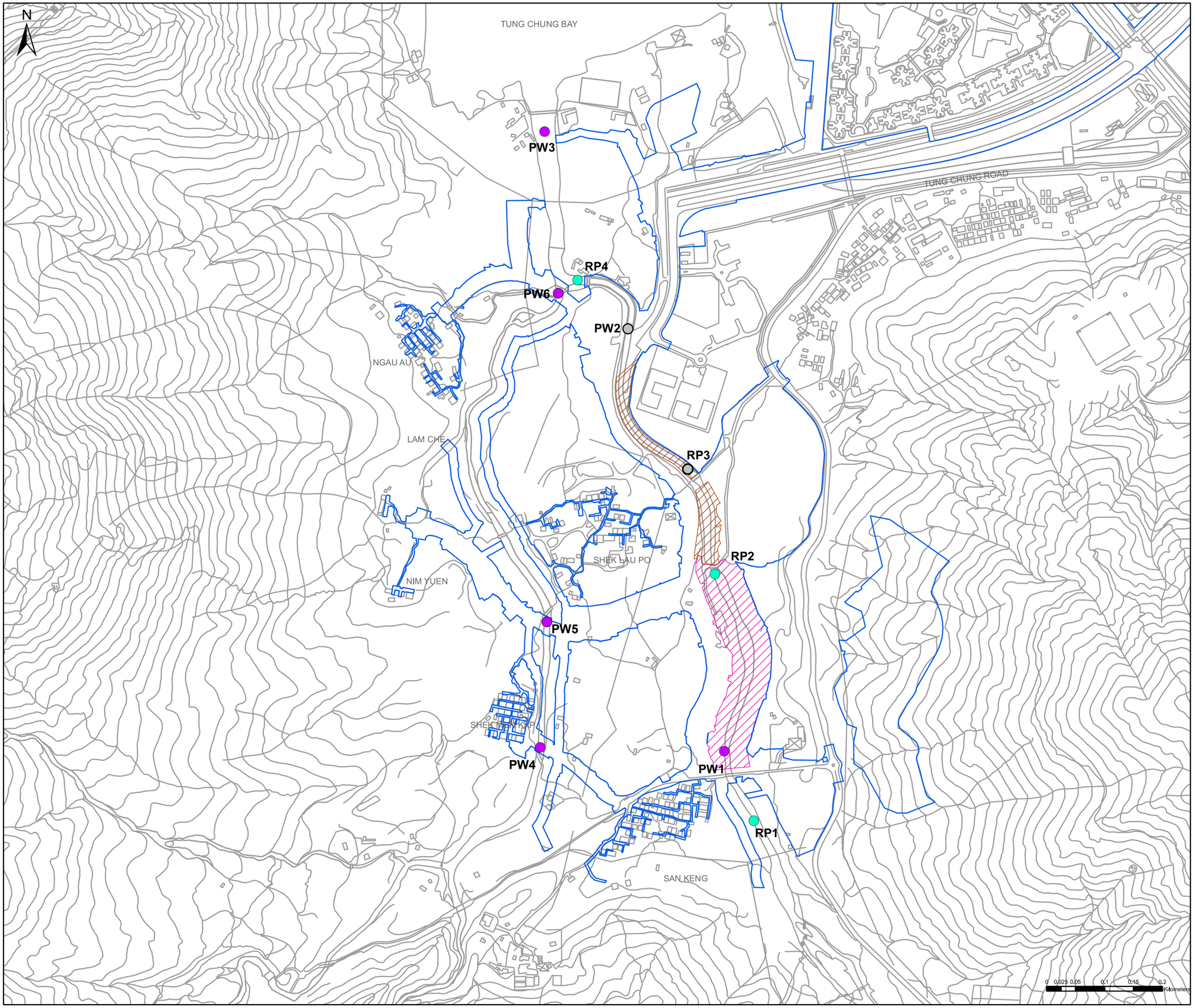
I4. Monthly Monitoring Data of Stream Fauna (Aquatic invertebrate) in the Reporting Period

I5. Monthly Monitoring Data of Stream Fauna (Fish) in the Reporting Period

I6. Event and Action Plan for Exceedance in Action and Limit Levels of Stream Fauna

I7. Summary of Water Quality Data in the Reporting Period

I1. Location of Ecological Impact Monitoring Stations



Key Plan 1:140,000



Notes:

1. Ecological monitoring at the monitoring station RP3 and PW2 were suspended since March 2023 with the commencement of temporary river diversion in Tung Chung Stream.

Key to symbols:

LEGEND

- PROJECT AREA
- ECOLOGICAL MONITORING STATION (FOR RIVER PARK)
- ECOLOGICAL MONITORING STATION (FOR OTHER PUBLIC WORKS)
- SUSPENDED ECOLOGICAL MONITORING STATION
- RIVER PARK PHASE 1
- RIVER PARK PHASE 2

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	AUG 2021	KN		LL	TC

MOTT MACDONALD

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Client

CEDD 土木工程拓展署 Civil Engineering and Development Department

Project

AGREEMENT NO. CE 64/2020(EP)
ENVIRONMENTAL TEAM FOR
TUNG CHUNG NEW TOWN EXTENSION (WEST)
– DESIGN AND CONSTRUCTION

Title

LOCATION OF ECOLOGICAL IMPACT MONITORING STATIONS

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		

Scale at A3 | Status | Rev

Drawing Number

APPENDIX I1

I2. Ecologically-related Water Quality Monitoring Equipment Calibration Certificates

ALS Technichem (HK) Pty Ltd
11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
T: +852 2610 1044
F: +852 2610 2021
www.alsglobal.com

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

CONTACT:	THOMAS CHAN	**WORK ORDER:**	HK2626952
CLIENT:	MOTT MACDONALD HONG KONG LIMITED		
ADDRESS:	3/F, MANULIFE PLACE, 348 KWUN TONG ROAD, KWUN TONG, KOWLOON, HONG KONG	**SUB-BATCH:**	0
		LABORATORY:	HONG KONG
		DATE RECEIVED:	25-Jun-2026
		DATE OF ISSUE:	06-Jul-2026

GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.
The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.
The validity of equipment/ meter performance only applies to the result(s) stated in the report.
This report superseded any previous report(s) with same work order number.

EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type:	Multifunctional Meter
Service Nature:	Performance Check
Scope:	Conductivity, Dissolved Oxygen, pH Value, Turbidity, Salinity and Temperature
Brand Name/ Model No.:	[HORIBA]/ [U-53]
Serial No./ Equipment No.:	[X42XKBNO/4BHN08KG]/ [N/A]
Date of Calibration:	26-June-2026

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

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REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2626952

SUB-BATCH: 0
DATE OF ISSUE: 06-Jul-2026
CLIENT: MOTT MACDONALD HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [X42XKBNO/4BHN08KG]/ [N/A]
Date of Calibration: 26-June-2026 Date of Next Calibration: 26-September-2026

PARAMETERS:

Conductivity **Method Ref: APHA (23rd edition), 2510B**

Expected Reading (µS/cm)	Displayed Reading (µS/cm)	Tolerance (%)
146.9	153	+4.2
6667	7180	+7.7
12890	13900	+7.8
58670	64000	+9.1
	Tolerance Limit (%)	±10.0

Dissolved Oxygen **Method Ref: APHA (23rd edition), 4500O: G**

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.59	2.53	-0.06
5.51	5.39	-0.12
7.11	7.02	-0.09
	Tolerance Limit (mg/L)	±0.20

pH Value **Method Ref: APHA (23rd edition), 4500H: B**

Expected Reading (pH unit)	Displayed Reading (pH unit)	Tolerance (pH unit)
4.0	3.95	-0.05
7.0	7.05	+0.05
10.0	10.07	+0.07
	Tolerance Limit (pH unit)	±0.20

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2626952

SUB-BATCH: 0
DATE OF ISSUE: 06-Jul-2026
CLIENT: MOTT MACDONALD HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [X42XKBNO/4BHN08KG]/ [N/A]
Date of Calibration: 26-June-2026 Date of Next Calibration: 26-September-2026

PARAMETERS:

Turbidity **Method Ref: APHA (23rd edition), 2130B**

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	1.94	--
4	4.15	+3.8
40	42.8	+7.0
80	83.5	+4.4
400	424	+6.0
800	833	+4.1
	Tolerance Limit (%)	±10.0

Salinity **Method Ref: APHA (23rd edition), 2520B**

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	10.70	+7.0
20	21.79	+9.0
30	32.74	+9.1
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

WORK ORDER: HK2626952

SUB-BATCH: 0
DATE OF ISSUE: 06-Jul-2026
CLIENT: MOTT MACDONALD HONG KONG LIMITED

Equipment Type: Multifunctional Meter
Brand Name/ Model No.: [HORIBA]/ [U-53]
Serial No./ Equipment No.: [X42XKBNO/4BHN08KG]/ [N/A]
Date of Calibration: 26-June-2026 Date of Next Calibration: 26-September-2026

PARAMETERS:

Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
10.0	10.28	+0.3
22.0	21.97	-0.0
41.5	40.81	-0.7
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris
Assistant Manager - Inorganics

-------- END OF REPORT --------

I3. Representative Photos of Species Surveyed



Rhinogobius duospilus



Pseudogastromyzon myersi



Caridina cantonensis



Physella acuta

I4. Monthly Monitoring Data of Stream Fauna (Aquatic invertebrate) in the Reporting Period

Appendix I4 Monthly Monitoring Data of Stream Fauna (Aquatic invertebrate) in the Reporting Period

Relative abundance: +: Uncommon, ++: Common, +++: Abundant

Date	Sampling Point	Method	Scientific Name	Common Name	Chinese Name	Abundance	Relative Abundance
Sep-26	PW3	Observe	*Parasesarma continentale*	-	大陸擬相手蟹		++
Sep-26	PW3	Active search	*Amphipoda*	Scud	端足類		++
Sep-26	RP4	Active search	*Baetidae*	Small Minnow Mayfly	四節蜉科	20	
Sep-26	RP4	Active search	*Macrobrachium sp.*	Freshwater Prawn	沼蝦屬	1	
Sep-26	RP4	Active search	*Heptageniidae*	-	扁蜉科	2	
Sep-26	PW6	Observe	*Eriocheir hepuensis*	Hepu Mitten Crab	合浦絨螯蟹		+
Sep-26	PW6	Observe	*Veliidae*	Small Water Strider	寬肩蝽科		+
Sep-26	PW6	Observe	*Ptilomera tigrina*	Water Strider	虎紋毛足澗黽蝽		+
Sep-26	PW6	Kick	*Hydropsychidae*	Caddisfly	石蛾	1	
Sep-26	PW6	Kick	*Baetidae*	Small Minnow Mayfly	四節蜉科	1	
Sep-26	PW5	Active search	*Neurobasis chinensis*	Chinese Greenwing (Larva)	華艷色蟌 (稚蟲)	2	
Sep-26	PW5	Kick	*Neurobasis chinensis*	Chinese Greenwing (Larva)	華艷色蟌 (稚蟲)	2	
Sep-26	PW5	Kick	*Caridina cantonensis*	Freshwater Shrimp	廣東米蝦	1	
Sep-26	PW5	Active search	*Trithemis sp.*	Dropwings (Larva)	-	1	
Sep-26	RP2	Active search	*Zygonyx iris insignis**	Emerald Cascader (Larva)	彩虹蜻 (稚蟲)	2	
Sep-26	RP2	Active search	*Trithemis sp.*	Dropwings (Larva)	-	1	
Sep-26	RP2	Active search	*Physella acuta*	European Physa	尖膀胱螺	2	
Sep-26	RP1	Active search	*Heptageniidae*	-	扁蜉科	3	
Sep-26	RP1	Active search	*Caridina cantonensis*	Freshwater Shrimp	廣東米蝦	4	
Sep-26	RP1	Active search	*Ptilomera tigrina*	Water Strider	虎紋毛足澗黽蝽	4	
Sep-26	PW1	Active search	*Veliidae*	Small Water Strider	寬肩蝽科	26	
Sep-26	PW1	Active search	*Ptilomera tigrina*	Water Strider	虎紋毛足澗黽蝽		
Sep-26	PW4	Observe	*Veliidae*	Small Water Strider	寬肩蝽科		++
Sep-26	PW4	Observe	*Ptilomera tigrina*	Water Strider	虎紋毛足澗黽蝽		+
Sep-26	PW4	Active search	*Trithemis sp.*	Dropwings (Larva)	-	1	

*Zygonyx iris insignis** is considered as species of conservation importance (Fellowes et al. 2002).

I5. Monthly Monitoring Data of Stream Fauna (Fish) in the Reporting Period

Appendix I5 Monthly Monitoring Data of Stream Fauna (Fish) in the Reporting Period

Relative abundance: +: Uncommon, ++: Common, +++ = Abundant

Date	Sampling Point	Method	Scientific Name	Common Name	Chinese Name	Abundance	Relative Abundance
Sep-26	PW3	Observe	*Periophthalmus modestus*	Common Mudskipper	彈塗魚		+++
Sep-26	PW3	Observe	*Scatophagus argus*	Spotted Scat	金錢魚		+
Sep-26	PW3	Observe	*Mugil cephalus*	Grey Mullet	鯔		+++
Sep-26	PW3	Observe	*Favonigobius reichei*	Indo-Pacific Tropical Sand Goby	賴氏蜂巢鰕虎魚		++
Sep-26	PW3	Observe	*Belonidae*	Needlefish	鶴鱵科		++
Sep-26	PW3	Observe	*Gerres oyena*	Common Silverbiddy	奧奈銀鱸		+
Sep-26	RP4	Observe	*Oryzias curvinotus**	Rice Fish	弓背青鱂		+
Sep-26	RP4	Observe	*Hemichromis stellifer*	Jewelfish	星點伴麗魚		+
Sep-26	RP4	Observe	*Mugil cephalus*	Grey Mullet	鯔		+
Sep-26	RP4	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		++
Sep-26	RP4	Observe	*Xiphophorus variatus*	Variable Platyfish	雜色劍尾魚		+
Sep-26	RP4	Observe	*Gambusia affinis*	Mosquito Fish	食蚊魚		+
Sep-26	PW6	Observe	*Cirrhinus molitorella*	Mud Carp	鯪		+
Sep-26	PW6	Observe	*Gambusia affinis*	Mosquito Fish	食蚊魚		++
Sep-26	PW6	Observe	*Parazacco spilurus**	Predaceous Chub	異鱲		+++
Sep-26	PW6	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		+++
Sep-26	PW6	Observe	*Xiphophorus variatus*	Variable Platyfish	雜色劍尾魚		+
Sep-26	PW6	Observe	*Glossogobius giuris*	Fork Tongue Goby	舌鰕虎魚		++
Sep-26	PW6	Active search	*Tridentiger trigonocephalus*	Chameleon Goby	紋縞鰕虎魚	1	
Sep-26	PW6	Active search	*Rhinogobius duospilus*	-	溪吻鰕虎魚	1	
Sep-26	PW5	Observe	*Pseudogastromyzon myersi*	Sucker-belly Loach	麥氏擬腹吸鰍		++
Sep-26	PW5	Observe	*Parazacco spilurus**	Predaceous Chub	異鱲		++
Sep-26	PW5	Observe	*Rhinogobius duospilus*	-	溪吻鰕虎魚		++
Sep-26	PW5	Observe	*Liniparhomaloptera disparis*	Broken-band Hillstream Loach	擬平鰍		++
Sep-26	PW5	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		++
Sep-26	RP2	Observe	*Rhinogobius duospilus*	-	溪吻鰕虎魚		++
Sep-26	RP2	Observe	*Liniparhomaloptera disparis*	Broken-band Hillstream Loach	擬平鰍		++
Sep-26	RP2	Observe	*Acrossocheilus beijiangensis**	Beijiang Thick-lipped Barb	北江光唇魚		+
Sep-26	RP2	Observe	*Xiphophorus variatus*	Variable Platyfish	雜色劍尾魚		+
Sep-26	RP2	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		++
Sep-26	RP1	Observe	*Acrossocheilus beijiangensis**	Beijiang Thick-lipped Barb	北江光唇魚		+
Sep-26	RP1	Observe	*Parazacco spilurus**	Predaceous Chub	異鱲		+++
Sep-26	RP1	Observe	*Xiphophorus variatus*	Variable Platyfish	雜色劍尾魚		++
Sep-26	RP1	Observe	*Liniparhomaloptera disparis*	Broken-band Hillstream Loach	擬平鰍		+
Sep-26	RP1	Observe	*Rhinogobius duospilus*	-	溪吻鰕虎魚		++
Sep-26	RP1	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		+++
Sep-26	RP1	Observe	*Pseudogastromyzon myersi*	Sucker-belly Loach	麥氏擬腹吸鰍		++
Sep-26	PW1	Observe	*Acrossocheilus beijiangensis**	Beijiang Thick-lipped Barb	北江光唇魚		+
Sep-26	PW1	Observe	*Xiphophorus hellerii*	Swordtail	劍尾魚		+++

Appendix I5 Monthly Monitoring Data of Stream Fauna (Fish) in the Reporting Period

Relative abundance: +: Uncommon, ++: Common, +++ = Abundant

Date	Sampling Point	Method	Scientific Name	Common Name	Chinese Name	Abundance	Relative Abundance
Sep-26	PW1	Observe	*Xiphophorus variatus*	Variable Platyfish	雜色劍尾魚		++
Sep-26	PW1	Observe	*Parazacco spilurus**	Predaceous Chub	異鱲		+++
Sep-26	PW1	Observe	*Liniparhomaloptera disparis*	Broken-band Hillstream Loach	擬平鰍		+
Sep-26	PW4	Observe	*Acrossocheilus beijiangensis**	Beijiang Thick-lipped Barb	北江光唇魚		+++
Sep-26	PW4	Observe	*Pseudogastromyzon myersi*	Sucker-belly Loach	麥氏擬腹吸鰍		+++
Sep-26	PW4	Observe	*Parazacco spilurus**	Predaceous Chub	異鱲		+++
Sep-26	PW4	Observe	*Balantiocheilos melanopterus*^	Bala Shark	銀鯊		+
Sep-26	PW4	Observe	*Cirrhinus molitorella*	Mud Carp	鯪		+++
Sep-26	PW4	Observe	*Liniparhomaloptera disparis*	Broken-band Hillstream Loach	擬平鰍		++
Sep-26	PW4	Observe	*Rhinogobius duospilus*	-	溪吻鰕虎魚		++
Sep-26	PW4	Observe	*Hemichromis stellifer*	Jewelfish	星點伴麗魚		+
Sep-26	PW4	Observe	*Channa gachua*	Dwarf Snakehead	緣鱧		+
Sep-26	PW4	Observe	*Tilapia sp.*	Tilapia	鰋魚		+

**Acrossocheilus beijiangensis* and *Oryzias curvinotus* are considered as species of conservation importance (Fellowes et al., 2002); *Parazacco spilurus* is considered as species of conservation importance (Yue & Chen, 1998). ^Although *Balantiocheilos melanopterus* is listed as "Vulnerable" on IUCN Red List, it is commonly kept as an ornamental fish in Hong Kong. As the recorded individual is considered to be an introduced specimen resulting from intentional release, this species is not considered a species of conservation importance for this Project (IUCN, 2026).

I6. Event and Action Plan for Exceedance in Action and Limit Levels of Stream Fauna

Event	Action			
	ET	**IEC**	**ER**	**Contractor**
Action Level Exceedance	1. Check monitoring data and confirm findings; 2. Investigate the cause of the reduction if it is related to construction works; 3. Immediately inform IEC, Contractor and ER; 4. Discuss mitigation measures with IEC, Contractor and ER; 5. Ensure mitigation measures are implemented.	1. Check monitoring data, analysis and investigation by ET; 2. Review the proposed mitigation measures submitted by Contractor and advise the ER accordingly; 3. Review and advise the ET and ER on the effectiveness of the mitigation measures after implementation.	1. Check the monitoring results and findings from ET and IEC; 2. Discuss with ET, IEC and Contractor on the proposed mitigation measures; 3. Supervise the implementation of the mitigation measures; 4. Discuss with ET, IEC and Contractor on the effectiveness of the implemented mitigation measures.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Discuss with ET, IEC and ER and submit proposal of mitigation measures to ER and IEC; 4. Implement the agreed mitigation measures. 5. Instigate remedial action to remove or reduce source of disturbance if the cause is identified as project related.
Limit Level Exceedance	1. Check monitoring data and confirm findings; 2. Investigate the cause of the reduction if it is related to construction works; 3. Immediately inform IEC, Contractor and ER; 4. Discuss additional mitigation measures with IEC, Contractor and ER; 5. Ensure additional mitigation measures are implemented.	1. Check monitoring data, analysis and investigation by ET; 2. Discuss with ET, Contractor and ER on the additional mitigation measures implemented; 3. Review the proposed additional mitigation measures submitted by Contractor and advise the ER accordingly; 4. Review and advise the ET and ER on the effectiveness of the additional mitigation measures implemented	1. Check the monitoring results and findings from ET and IEC; 2. Discuss with ET, IEC and Contractor on the additional mitigation measures proposed; 3. Supervise the implementation of the additional mitigation measures; 4. Discuss with ET, IEC and Contractor on the effectiveness of the additional mitigation measures implemented.	1. Identify source(s) of impact; 2. Inform the ER and confirm notification of the non-compliance in writing; 3. Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC; 4. Implement the agreed additional mitigation measures. 5. Instigate additional remedial action to remove or reduce source of disturbance if the cause is identified as project related.

I7. Summary of Water Quality Data in the Reporting Period

Tung Chung New Town Extension (West)
Ecologically-related Water Quality Monitoring Results

Reporting Month: **Sep-2026**

Monitoring Station		RP1		RP2		RP4		PW1		PW3		PW4		PW5		PW6	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	12:10	12:10	11:35	11:35	10:05	10:05	12:30	12:30	09:25	09:25	12:55	12:55	11:00	11:00	10:25	10:25
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.6	0.4	0.4	0.5	0.5
Parameter																	
pH		5.8	5.9	5.8	5.8	8.2	8.2	5.8	5.8	7.1	7.1	5.5	5.5	6.1	6.3	5.8	5.9
Salinity	ppt	0.02	0.02	0.02	0.02	0.05	0.05	0.02	0.02	7.05	7.41	0.01	0.01	0.01	0.01	0.03	0.03
Temperature	°C	26.6	26.6	26.4	26.4	27.5	27.6	26.8	26.8	26.7	26.7	26.7	26.7	26.2	26.3	26.0	26.1
Turbidity	NTU	1.3	1.2	1.2	1.2	22.1	23.4	1.6	1.4	6.7	6.7	1.0	1.0	1.0	1.1	2.5	2.7
DO	mg/L	8.1	8.2	9.9	9.8	7.7	7.4	8.3	8.4	9.4	9.4	9.7	9.9	10.3	10.3	8.2	8.4
DO Saturation	%	101.4	102.0	122.9	121.6	97.0	93.9	103.8	104.5	122.0	122.3	121.1	123.1	126.9	127.6	100.6	103.7
Suspended Solids	mg/L	1.0	0.8	1.6	1.7	25.8	19.1	1.7	1.3	7.1	7.4	<0.5	<0.5	0.6	0.6	1.5	1.8
Ammonia as N	mg/L	<0.01	<0.01	0.04	0.04	0.27	0.29	0.05	0.04	0.16	0.16	<0.01	<0.01	0.04	0.04	0.08	0.09
Total Kjeldahl Nitrogen as N	mg/L	0.09	0.09	0.18	0.20	0.43	0.44	0.16	0.14	0.26	0.30	0.07	0.12	0.11	0.09	0.13	0.15
Total Phosphorus as P	mg/L	<0.01	<0.01	0.03	0.03	0.05	0.06	0.02	0.02	0.03	0.03	<0.01	<0.01	<0.01	<0.01	0.02	0.02
Escherichia coli	CFU/100mL	50	71	410	440	170	150	220	140	160	150	18	22	52	41	220	140
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	1.5
Chemical Oxygen Demand	mg/L	4	4	5	6	6	5	3	3	20	23	3	2	2	3	<2	<2
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

Ecological Monitoring at the monitoring station RP3 and PW2 were suspended since March 2023 with the commencement of temporary river diversion in Tung Chung Stream.

J. Preserved/Transplanted Plant Species of Conservation Importance Monitoring

J1. Plant Species of Conservation Importance Monitoring Under Contract 5

J2. Plant Species of Conservation Importance Monitoring Under Contract 6

J3. Plant Species of Conservation Importance Monitoring Under Contract 10

J4. Plant Species of Conservation Importance Monitoring Under Contract 11

J1. Plant Species of Conservation Importance Monitoring Under Contract 5

NL/2020/05 Photographic record (Monthly Monitoring Report for Preservation of Plant Species of Conservation Importance – Sept 2026)



1: T8217



2: T8217_Cross branches



3: T8217_Crown



4: T8217_Trunk base



5: T8231



6: T8231_Trunk base



7: U041



8: U041_Abnormal bark crack on trunk



9: U041_Crack on trunk



10: U041_Crown



11: U041_Dead stump



12: U041_Wood damage at trunk union#1



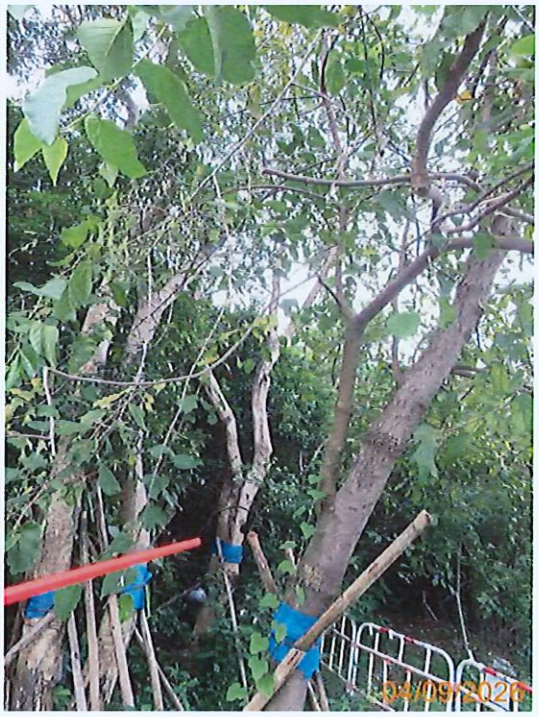
13: U041_Wood damage at trunk union#2



14: U042



15: U042_Wound on trunk base



16: U043



17: U043_Crack on trunk



18: U043_Crown



19: U043_Suspected unauthorized logging#1



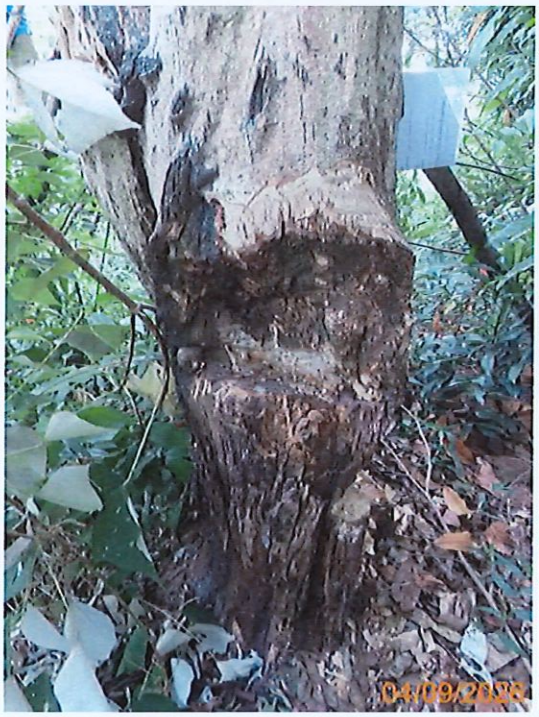
20: U043_Suspected unauthorized logging#2



21: U043_Suspected unauthorized logging#3



22: U043_Suspected unauthorized logging#4



23: U043_Suspected unauthorized logging#5



24: Trees fenced off



25: CCTV monitoring warning label plastic barrier fenced off area

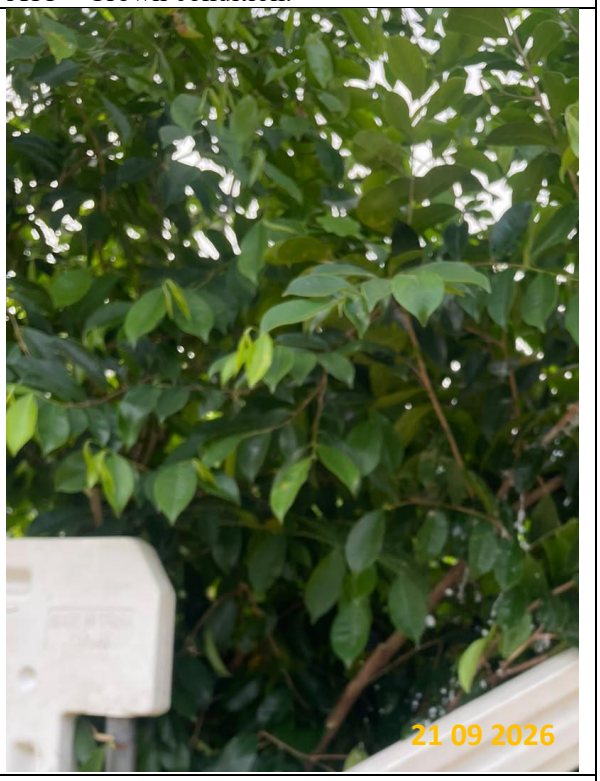
CEDD Contract No. NL/2020/05 Tung Chung New Town Extension
– Site Formation and Infrastructure Works at Ma Wan Chung

Tree Schedule for Survey of Plant Species of Conservation Importance

Tree No.	Species			Measurements			Amenity Value (High(H) / Medium (M) / Low(L)	Tree Condition (Good(G) / Average(A) / Poor(P))			Recommendation (Retain / Transplant / Remove)	Findings	Remark
	Scientific Name	Chinese Name	Conservation Status	Height (m)	DBH (mm)	Crown Spread (m)		Form	Health	Structure			
T8217	*Canthium dicoccum*	魚骨木	IUCN:VU	9	220	6	L	P	A	P	Retain	Branch failure of T8217 was found on 21 July 2025 due to Typhoon signal No. 10. Overall condition of tree and its remaining part is fair.	Branch failure of T8217 was found on 21 July 2025. It was identified that the fallen part was one of the branches on upper position of tree. No decay was observed on the tearing position. No other collapsed part was observed due to adverse weather during time of inspection. Overall condition of tree and its remaining part is fair. Pruning of jagged wound to provide a clean cut is recommended. The pruning work the completed on 21 July 2025.
T8231	*Canthium dicoccum*	魚骨木	IUCN:VU	7	190	6	L	P	A	P	Retain	Second epicormic failure was found on 21 July 2025 due to Typhoon signal No. 10, third epicormics failure was found on 21 May 2026 due to Amber Rainstorm Warning signal, Overall condition of tree and its remaining part is fair	Epiconmic branch failure was found on 03 May 2024. Staking to provide extra support and pruning of jagged wound to provide a clean cut was conducted on 16May 2024. The Staking was in normal condition during the time of inspection. No further significant defects were observed. Second epicormic failure was found on 21 July 2025, Overall condition of tree and its remaining part is fair. Pruning of jagged wound to provide a clean cut is recommended. Pruning works was completed on 21 July 2025. Third epicormic failure was found on 21 May 2026. Pruning of jagged wound to provide a clean cut was conducted on 29 May 2026.
U041	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	10	318	4	M	A	P	P	Retain	No obvious old termite track was found, damage of wood tissue was observed. Peeling off of bark and sign of split of internal wood tissue was observed. Trunk wound signficantly decayed. High trunk failure risk.	Located closed to cut slope. The crack on trunk was found slightly larger since late March 2024. Peeling off of bark and split of internal wood tissue was observed in July 2024. Abnormal bark crack was found in December 2024. Additional guying for tree no. U041 has been installed as an enhanced stabilization measure alongside the bamboo staking in May 2025.
U042	*Gmelina chinensis*	石梓	RPPHK	6	150	2	M	A	P	A	Retain	Large wound near trunk base with wound wood development. Trunk wound is decaying.	Located closed to cut slope.
U043	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	9	310	4	M	A	P	P	Retain	Crack on trunk base. Trunk wound significantly decayed. High trunk failure risk.	Located closed to cut slope. Suspected unauthorized logging was observed dated 2 September 2026. Inspection was conducted on 4 September 2026 and 5 new freshly cut wound were observed. BK-RC JV reported the case to HKPF at approx. 18:00hrs on 2nd September 2026 and arranged fence off again the area by plastic barriers and other preserved trees with CCTV monitoring warning label on 3rd September 2026 early morning to increase level of security. Re-adjustment of staking was recommended.

RPPHK - Species included in AFCD publication "Rare and Precious Plants of Hong Kong (2003)"
Cap.586 – Native plants listed in Protection of Endangered Species of Animals and Plants Ordinance, Cap. 586.
IUCN:VU – "Vulnerable" under IUCN Red List of Threatened Species

J2. Plant Species of Conservation Importance Monitoring Under Contract 6

A11 – Overall view	A11 – Crown condition.
	
A11 – Shoots are epicormic generated from cut trunk which is decaying severely	Pest control done on 21/09/2026
	

CEDD Contract No. NL/2020/06

Tung Chung New Town Extension – Site Formation and Infrastructure Works at Tung Chung Valley, Phase 1

CCTV Screen



Tree Schedule for Survey of Plant Species of Conservation Importance

No.	Species		Conservation Status	Measurements			Tree Condition (Good(G) / Average(A) / Poor(P))			Recommendation (Retain / Transplant / Remove)	Findings	Remark
	Scientific Name	Chinese name		DBH (mm)	Height (m)	Crown (m)	Form	Health	Structure			
A9 (T7628)	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	-	-	-	-	-	-	-	-	Removed due to illegal felling on Aug 2023 (reported to police on 21 Aug 2023)
A10 (T7538)	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	-	-	-	-	-	-	-	-	Removed due to illegal felling on Aug 2023 (reported to police on 21 Aug 2023)
A11 (T7521)	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	190	3.5	1	P	A	P	Retain	Insect infestation is low.	Root-plate movement (mentioned in previous monitoring report). Topped tree due to illegal felling on Aug 2023 (reported to police on 21 Aug 2023). Large decaying trunk wound. Foliage density reduced after inclement weather events on Aug and Sep 2025. Unknown physical damage is observed resulting in the breaking of some epicormic shoots on Nov 2025 (Cleaned).

*Note:

DBH refers to Trunk Diameter at Breast Height

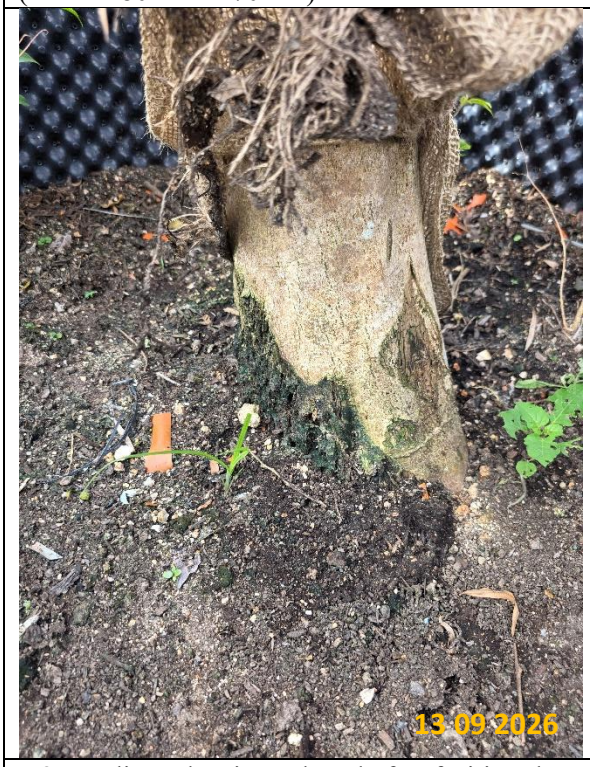
The Tree preservation work commenced in Jul 2022

RPPHK - Species included in AFCD publication "Rare and Precious Plants of Hong Kong (2003)"

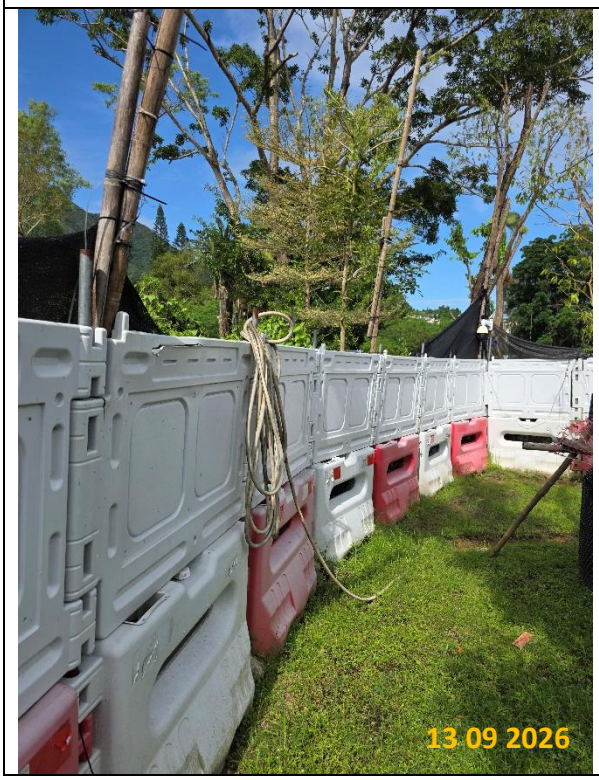
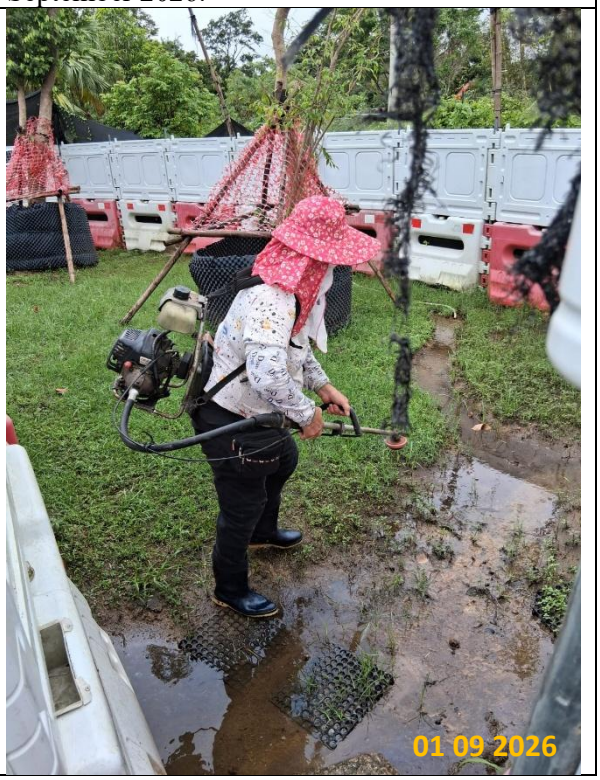
Cap.586 – Native plants listed in Protection of Endangered Species of Animals and Plants Ordinance, Cap. 586.

IUCN:VU – "Vulnerable" under IUCN Red List of Threatened Species

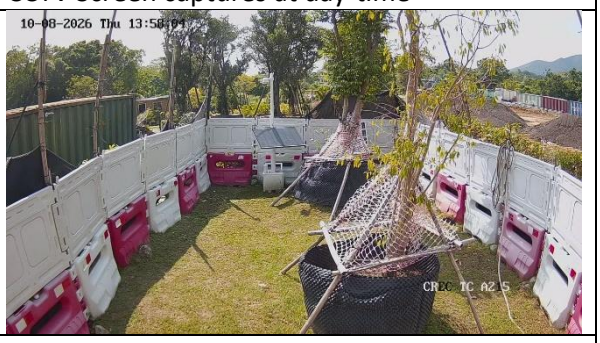
A8 – Overall view	A8 – Pruning wound previously damaged by typhoon KOINU (Oct 2023)
	
A8 – Decaying wound on trunk	A8 – Trunk and root condition.
	

A8 – Decaying wound at trunk base (size: ~180mm x170mm)	A8 –Leaves chlorosis and thin.
	
A8 – Foliage density reduced after fruiting, hot weather and Typhoon on July 2026	A8 – dieback
	

A12 - Overall View	A12 – Crown condition
	
A12 - Foliage density reduced after repeatedly heavy rains	A12 – Trunk and root condition
	

A12 –Wound at trunk base	A12 – Epicormics on trunk. Decaying wound on Trnnk.
	
Fencing is in order during inspection	Grass cutting and weeding was conducted on 1 September 2026.
	

Grass cutting and weeding was conducted on 22 September 2026.	Application of mineral oil (as antitranspirant) was conducted on 22 September 2026.
	
Manual watering was carried out for A8 during the reporting period. The watering frequency is one to two times per week.	Manual watering was carried out for A12 during the reporting period. The watering frequency is one to two times per week.
	

CCTV Screen captures at day-time	CCTV Screen captures at day-time
	
CCTV Screen captures at night-time	CCTV Screen captures at night-time
	

Tree Schedule for Survey of Plant Species of Conservation Importance

No.	Species		Conservation Status	Measurements			Tree Condition (Good(G) / Average(A) / Poor(P))			Recommendation (Retain / Transplant / Remove)	Findings	Remark
	Scientific Name	Chinese name		DBH (mm)	Height (m)	Crown (m)	Form	Health	Structure			
A8 (T8996)	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	110	5	4	P	P	P	Transplant	No obvious wound wood production. Very low foliage density. Dieback Severity of the insect feeding was low.	Trunk wounds were observed before transplant operation. Shallow root. Sudden defoliation happened in May 2023 but recovered in Aug 2023. It was translocated to the temporary holding nursery on 29 Sep 2023. A branch (5cm) was broken due to typhoon in Oct 2023. Decaying wounds and exposed dead woods on trunk. The foliage density is low especially after inclement weather events on Aug/Sep 2025. The tree recovered partially on Spring 2026. However recent heavy raining, hot weather on June and July resulted in the reduction in foliage density. Foliage density becomes very low after tropical cyclone warning signal No. 9 event on July 2026.
A12 (T3537)	*Aquilaria sinensis*	土沉香	RPPHK; Cap.586; IUCN:VU	185	8	3	P	P	A	Transplant	No obvious wound wood production. Severity of the insect feeding was low.	Trunk wounds were observed before transplant operation. Shallow root. Original root ball was full of stones which were removed partially during the translocation. It was translocated to the temporary holding nursery on 29 Sep 2023. It collapsed during typhoon dated Oct 2023 resulted in largely reduction in foliage density. It was slightly lean after a typhoon event dated 13-14 Nov 2024 and reinstated. Decaying wounds and exposed dead woods on trunk. The foliage density is low especially after inclement weather events on Aug/Sep 2025. The tree recovered partially on Spring 2026. However recent heavy raining, hot weather on June and July resulted in the reduction in foliage density.

*Note:

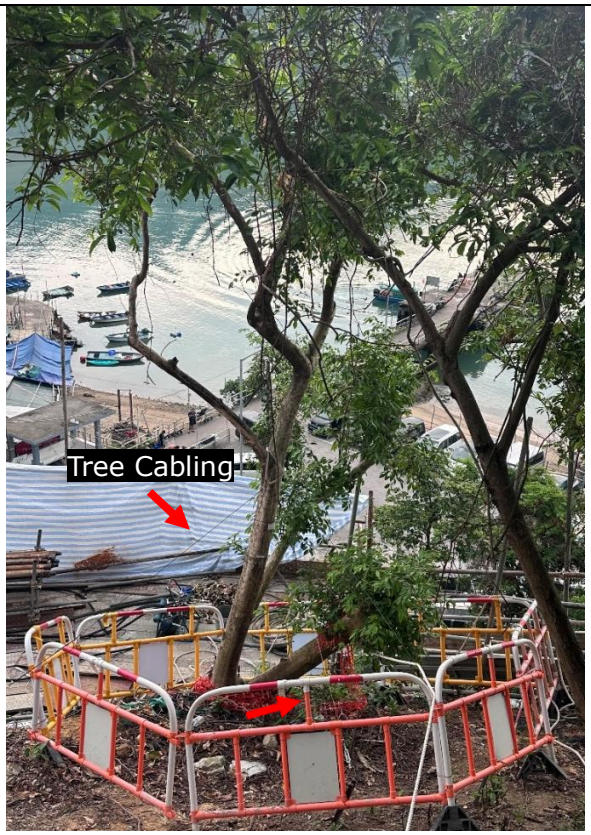
DBH refers to Trunk Diameter at Breast Height

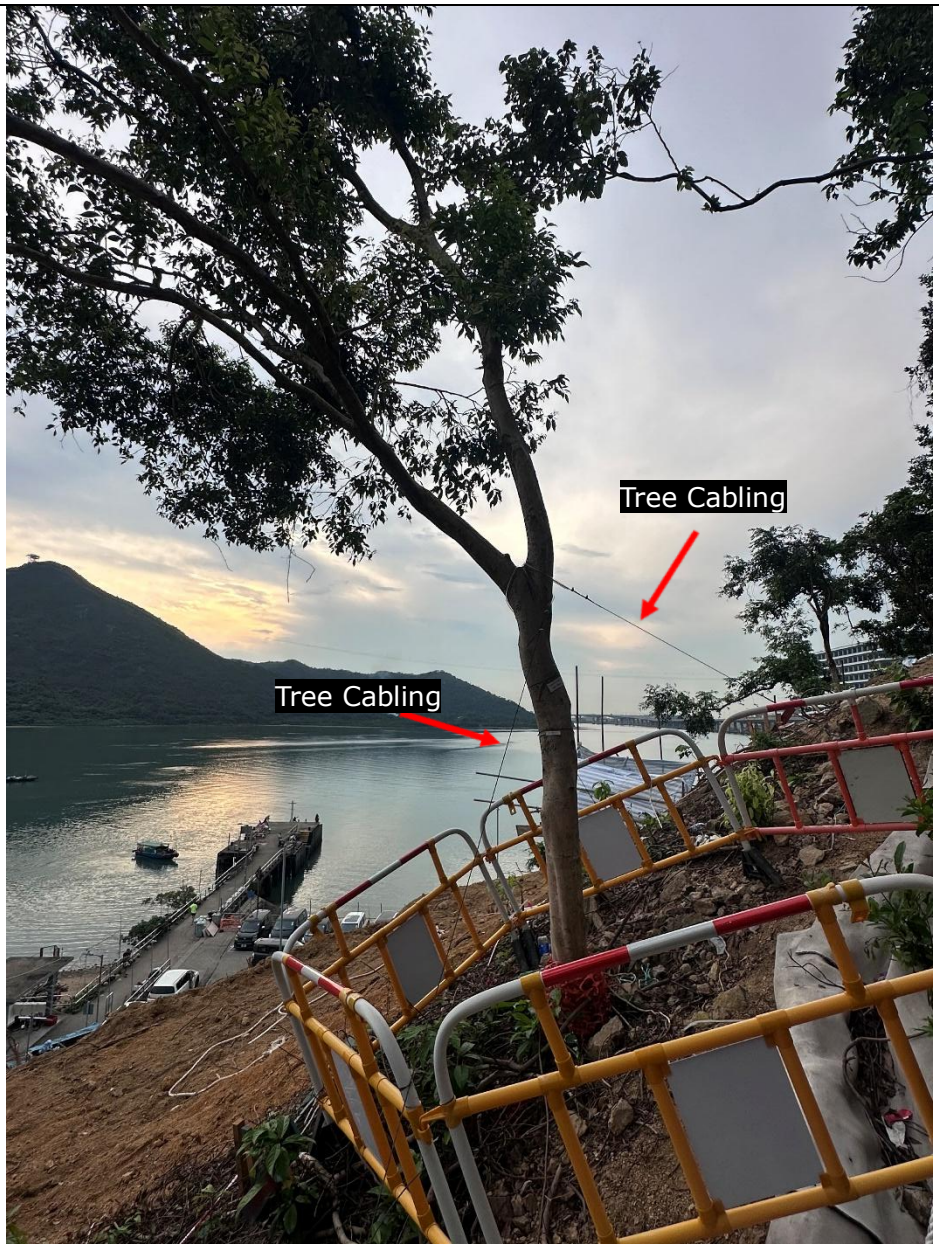
The Tree preservation work commenced in Jul 2022

RPPHK - Species included in AFCD publication "Rare and Precious Plants of Hong Kong (2003)"

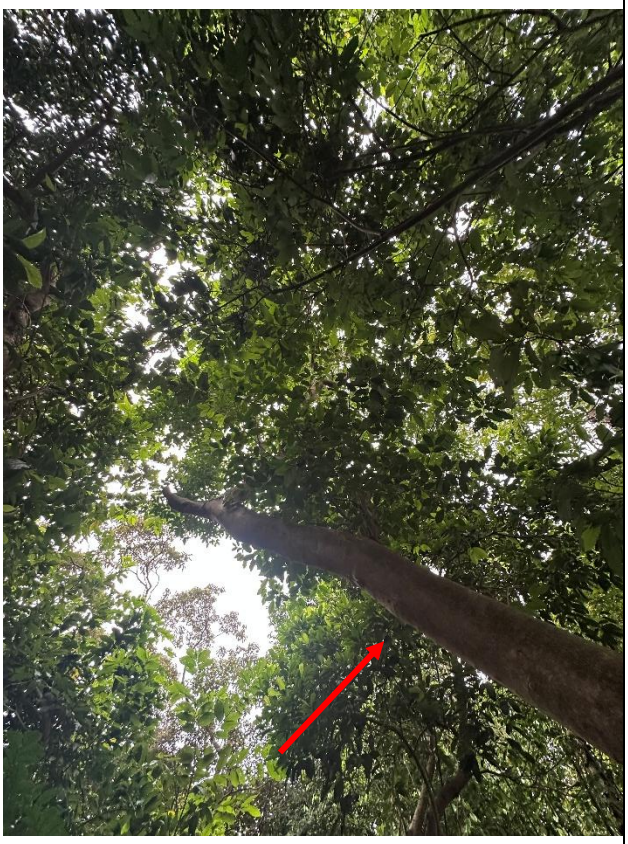
Cap.586 – Native plants listed in Protection of Endangered Species of Animals and Plants Ordinance, Cap. 586.

J3. Plant Species of Conservation Importance Monitoring Under Contract 10

A – P1 (*Aquilaria sinensis*)	
	
Additional tree support (e.g. Tree Cabling) was provided to enhance stability	Dead climbers and branches from adjacent vegetation were removed with additional tree support provided

A – P2 (*Aquilaria sinensis*)

Dead climbers and branches were removed from adjacent vegetation with additional tree support provided (e.g. tree cabling)

HI – P1 (*Aquilaria sinensis*)	
	
HI-P1 is being properly retained on-site, and no specific maintenance measures are currently required.	

HI – P2 (*Aquilaria sinensis*)	
	
HI-P2 is being properly retained on-site, and no specific maintenance measures are currently required.	

HI – P3 (*Aquilaria sinensis*)





HI-P3 is being properly retained on-site, and no specific maintenance measures are currently required.

HI – P4 (*Aquilaria sinensis*)	HI – P5 (*Aquilaria sinensis*)	HI – P6 (*Aquilaria sinensis*)
		
HI-P4, HI-P5 and HI-P6 are being properly retained on-site, and no specific maintenance measures are currently required.		

HI – P7 (*Aquilaria sinensis*)	HI – P8 (*Aquilaria sinensis*)	HI – P9 (*Aquilaria sinensis*)
		
HI-P7, HI-P8 and HI-P9 are being properly retained on-site, and no specific maintenance measures are currently required.		

Tag No	Scientific Name	Chinese Name	Growth Form	Conservation Status[1]	Size			Form (G/A/P)[2]	Health (G/A/P)[2]	Structural Condition (G/A/P)[2]	Recommended Treatement[3]	Addtitional Remarks	Location	Area/ Part	TPRP Tree No.	Geographic Coordinates	
					DBH (mm)	Height (m)	Spread (m)									Latitude	Longitude
A - P1	*Aquilaria sinensis*	土沉香	Tree	Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586); Rare and Precious Plants of Hong Kong (Status of China): Category 2 & 3 (Near Threatened); Listed in Wild Plants under State Protection: Category II. China Plant Red Data Book: VU; Threatened Species List of China's Higher Plants: Vulnerable RLCHP: EN Recorded in Illustration of Rare & endangered plant in Guangdong Province; IUCN: VU CITIES: Appendix II"	267	6.0	4.0	P	A	A	R	Tree on slope, multi-trunk, climber, epicormics	MWC SPS	Part A	C10-T0331	816410.796	811349.692
A - P2	*Aquilaria sinensis*	土沉香	Tree		170	5.0	3.0	A	A	A	R	Tree on slope, co-dominant branches, climber	MWC SPS	Part A	C10-T0244	816399.691	811359.942
HI - P1	*Aquilaria sinensis*	土沉香	Tree		320	6.0	4.0	P	A	A	T	Loss of major branch, hanger	L24	Part I	C10-T0545	815399.588	810784.596
HI - P2	*Aquilaria sinensis*	土沉香	Tree		210	8.0	3.0	P	A	A	T	Tree crown intertwined with other existing trees, leaning	L24	Part I	C10-T0535	815405.752	810788.686
HI - P3	*Aquilaria sinensis*	土沉香	Tree		230	10.0	6.0	A	A	A	T	Tree crown intertwined with other existing trees, co-dominant branches	L24	Part I	C10-T0528	815412.335	810791.087
HI - P4	*Aquilaria sinensis*	土沉香	Tree		These individuals with DBH < 95 mm were not considered as trees in this report.	1.2	1.5	A	G	A	T	-	L24	Part H	-	815464.002	810729.998
HI - P5	*Aquilaria sinensis*	土沉香	Tree			1.3	0.7	A	G	A	T	Entangled with fencing	L24	Part H	-	815464.484	810727.583
HI - P6	*Aquilaria sinensis*	土沉香	Tree			1.3	0.5	A	A	A	T	Wound of trunk near root	L24	Part H	-	815444.524	810730.724
HI - P7	*Aquilaria sinensis*	土沉香	Tree			1.4	0.9	P	A	A	T	Co-dominant branches	L24	Part H	-	815449.322	810722.199
HI - P8	*Aquilaria sinensis*	土沉香	Tree			1.5	1.0	P	A	A	T	Co-dominant branches	L24	Part H	-	815450.664	810721.078
HI - P9	*Aquilaria sinensis*	土沉香	Tree			2.5	1.0	A	A	A	T	Climbers	L24	Part I	-	815401.069	810665.48

Notes:

(1) Conservation status follows:

- Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
- Hu, Q.M., Wu, T.L., Xia, N.H., Xing F.W., Lai, C.C.P. & Yip, K.W. (2003). Rare and Precious Plants of Hong Kong. Agriculture, Fisheries and Conservation Department, HKSAR, Hong Kong. 234pp.
- List of Wild Plants Under State Protection" (promulgated by the Ministry of Forestry in 1999)
- Qin, et al. (2017). Threatened Species List of China's Higher Plants. Biodiversity Science 25(7):696-747
- Fu, K.L. (1992). China Plant Red Data Book. Vol. 1 - Rare and Endangered Plants. Science Press, Beijing. 736pp. (In Chinese only)
- RLCHP – Red List of China's Higher Plants (2020). EN = Endangered
- Wu, D.L. & Hu, C.X. (1988). Illustrations of Rare and Endangered Plants in Guangdong Province. China Environmental Science Press, Beijing. 46pp. (In Chinese only).
- IUCN: International Union for Conservation of Nature Red List of Threatened Species (2026). VU = Vulnerable
- CITES – Under Appendix (I), Appendix (II) or Appendix (III) of Convention on International Trade in Endangered Species of Wild Flora and Fauna.

(2) Form and health and structural condition of trees are denoted as follows: "G" = Good, "A"= Average, and "P"= Poor.

(3) Recommendation are denoted as follows: "R" = Retain, "T" = Transplant, and "F" = Fell.

J4. Plant Species of Conservation Importance Monitoring Under Contract 11



Photo 1. A1 *Aquilaria sinensis* 土沉香



Photo 2. A2 C11-T1527 *Aquilaria sinensis* 土沉香 Tree Tag



Photo 3. A2 C11-T1527 *Aquilaria sinensis* 土沉香 Tree Trunk



Photo 4. A2 C11 T1527 *Aquilaria sinensis* 土沉香 Whole Tree

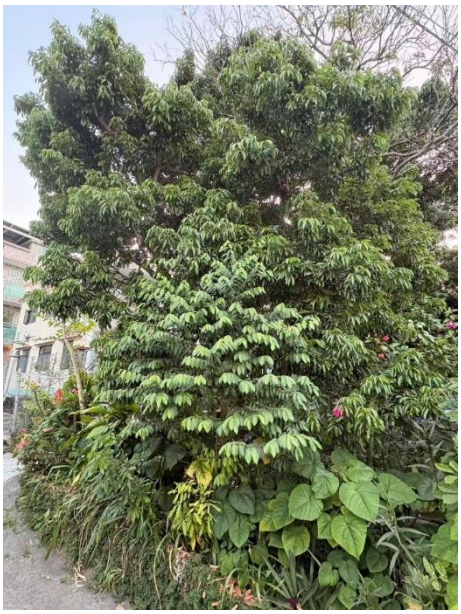
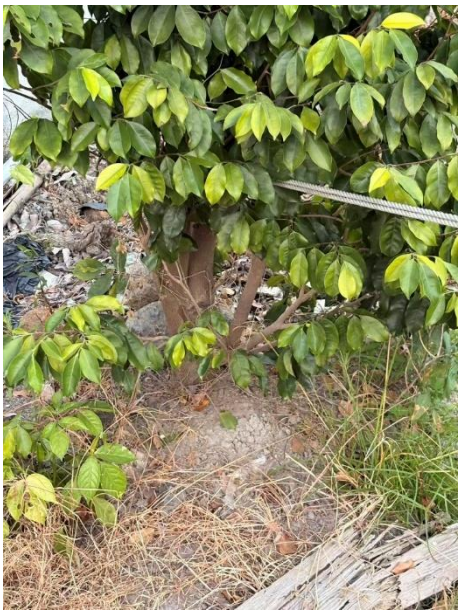
	
Photo 5. A3 C11-T0120 *Aquilaria sinensis* 土沉香 Tree tag	Photo 6. A3 C11-T0120 *Aquilaria sinensis* 土沉香 Whole Tree
	
Photo 7. A4 *Aquilaria sinensis* 土沉香 Whole Tree	Photo 8. A5 *Aquilaria sinensis* 土沉香 Tree Base



Photo 9. A5 *Aquilaria sinensis* 土沉香

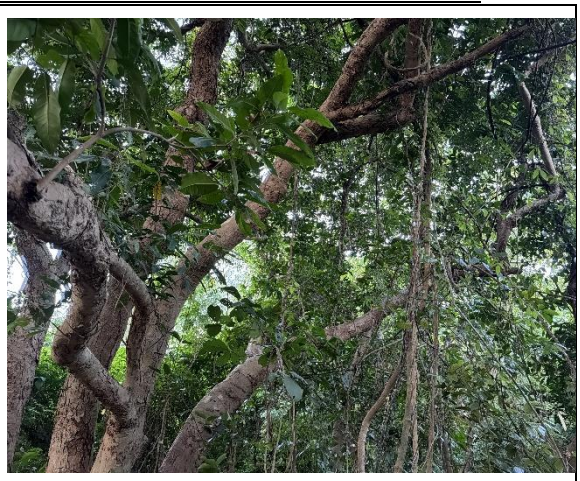


Photo 10. G1 *Gnetum luofuense* 羅浮買麻藤

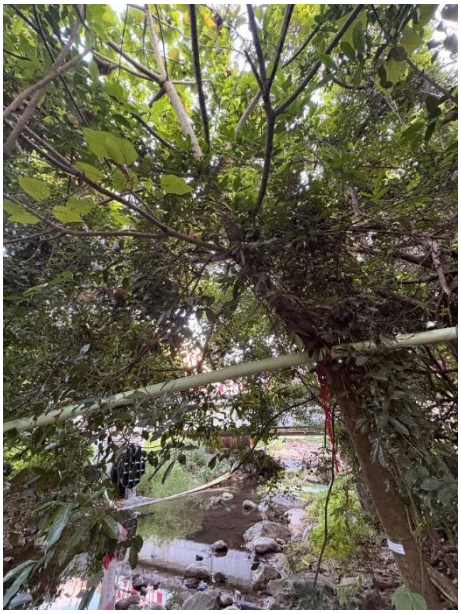


Photo 11. G2 *Gnetum luofuense* 羅浮買麻藤



Photo 12. G3 *Gnetum luofuense* 羅浮買麻藤

Tree No.	Species		Measurements			Amenity Value (High(H) / Medium(M) / Low(L)	Tree Condition (Good(G) / Average(A) / Poor(P))			Conservation Status	Recommendation (Retain / Transplant / Remove)	Additional Remarks
	Scientific Name	Chinese Name	DBH (mm)	Height (mm)	Crown Spread (m)		Form	Health	Structure			
A1	*Aquilaria sinensis*	土沉香	15.0	0.6	0.6	M	A	A	P	RPPHK; Cap.586; IUCN:VU	Retain	Shaded by tree, stream bank
A2 (C11-T1527)	*Aquilaria sinensis*	土沉香	130.0	7.0	2.0	M	P	A	A	RPPHK; Cap.586; IUCN:VU	Transplant	Co-dominant branches and low live crown ratio
A3 (C11-T0120)	*Aquilaria sinensis*	土沉香	360.0	9.0	6.0	M	P	A	A	RPPHK; Cap.586; IUCN:VU	Retain	Crooked branches and leaning
A4	*Aquilaria sinensis*	土沉香	60.0	2.5	1.8	M	A	A	A	RPPHK; Cap.586; IUCN:VU	Retain	-
A5	*Aquilaria sinensis*	土沉香	65.0	2.6	2.0	M	A	A	A	RPPHK; Cap.586; IUCN:VU	Retain	-
G1	*Gnetum luofuense*	羅浮買麻藤	-	-	-	-	-	-	-	IUCN: NT	Retain	Climbling on other trees
G2	*Gnetum luofuense*	羅浮買麻藤	-	-	-	-	-	-	-	IUCN: NT	Retain	Climbling on other trees
G3	*Gnetum luofuense*	羅浮買麻藤	-	-	-	-	-	-	-	IUCN: NT	Retain	Climbling on other trees

Note:
RPPHK - Species included in AFCD publication "Rare and Precious Plants of Hong Kong (2003)"
Cap.586 – Native plants listed in Protection of Endangered Species of Animals and Plants Ordinance, Cap. 586.
IUCN: International Union for Conservation of Nature Red List of Threatened Species (2026). VU = Vulnerable NT = Near Threatened

K. Cumulative Statistics on Exceedances, Environmental Complaints, Notifications of Summons and Status of Prosecutions

Table K.1: Cumulative Statistics on Exceedances

Parameter	Exceedance Level	Total No. Recorded in this Reporting Period[1]	Total No. Recorded since Project Commencement
Air Quality (1-hour TSP)	**Action**	0	0
	Limit	0	0
Noise	**Action**	0	39
	Limit	0	0
Water Quality	**Action**	0	9
	Limit	0	24
Ecology	**Action**	0	0
	Limit	0	1

Remark: (1) Exceedances, which are not project related, are not shown in this table.

Table K.2: Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Contract No.	Reporting Period	Cumulative Statistics		
		Complaints	Notifications of Summons	Prosecutions
Contract 5	**This Reporting Period (1 – 30 Sep 2026)**	0	0	0
	Total No. Received since Project Commencement	24	0	0
Contract 6	**This Reporting Period (1 – 30 Sep 2026)**	1	0	0
	Total No. Received since Project Commencement	71	0	0
Contract 10	**This Reporting Period (1 – 30 Sep 2026)**	1	0	0
	Total No. Received since Project Commencement	8	0	0
Contract 11	**This Reporting Period (1 – 30 Sep 2026)**	0	0	0
	Total No. Received since Project Commencement	0	0	0
Entrusted Works	**This Reporting Period (1 – 30 Sep 2026)**	0	0	0
	Total No. Received since Project Commencement	0	0	0
TCW Project[1]	**This Reporting Period (1 – 30 Sep 2026)**	2	0	0
	Total No. Received since Project Commencement	117	0	0

Remark: (1) TCW Project includes Contract 5, Contract 6, Contract 10, Contract 11 and Entrusted Works.

L. Monitoring Schedule for the Next Reporting Period

October 2026 - Impact Monitoring Schedule for Tung Chung West

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2 WQM (08:00) DM-5, DM-6	3
4	5 WQM (08:20)	6	7 WQM (11:10)	8 DM-5, DM-6 CA5, CA6, CA7, CA8, CA9	9 WQM (12:50)	10
11	12 WQM (14:30)	13 CA5, CA6, CA7, CA8, CA9	14 WQM (15:40) DM-5, DM-6	15	16 WQM (16:30) Ecological Monitoring	17
18	19	20 WQM (08:00) DM-5, DM-6	21 CA5, CA6, CA7, CA8, CA9	22 WQM (10:45)	23	24 WQM (12:00)
25	26 WQM (13:30) DM-5, DM-6	27 CA5, CA6, CA7, CA8, CA9	28 WQM (15:00)	29	30 WQM (16:00) DM-5, DM-6	31

Notes:

Air Quality Monitoring Station:
- DM-5: Lung Tseng Tau
- DM-6: Mok Ka

Noise Monitoring Station:
- CA5: Village House in Ma Wan Chung (G/F)
- CA6: Village House in Shek Mun Kap (G/F)
- CA7: YMCA of Hong Kong Christian College (Roof Floor)
- CA8: Caritas Wu Cheng-Chung College (Roof Floor)
- CA9: Hong Chi Shiu Pong Morninghope School (Roof Floor)

WQM - Water Quality Monitoring

[1] Water quality monitoring is arranged at ebb tide of the day

[2] Tidal information refers to the Chek Lap Kok East provided by Hong Kong Observatory

[3] Indicated time is the start time of the monitoring at TCW-WQM1

[4] As 1 and 19 October 2026 are public holiday in which no construction activities will be carried out, no monitoring events are scheduled for the captioned date.