

**Contract No. SPW 01/2025
Environmental Team for
Construction of Yuen Long
Effluent Polishing Plant
Stage 1**

Quarterly EM&A Report
(April 2026 – June 2026)

Drainage Services Department

2026-07-24

Contract No. SPW 02/2025

**Independent Environmental Checker for
Construction of Yuen Long Effluent Polishing Plant
Stage 1 (2025-2026)**

Environmental Permit No. EP-565/2019/A

**EP Condition 3.4 – Quarterly EM&A Summary
Report for April 2026 to June 2026**

27 July 2026

By Hand and By E-mail

For the attention of: Mr. Simon H.M. YEUNG – CRE(C)

Dear Sir,

I refer to the captioned Quarterly EM&A Summary Report for April 2026 to June 2026 (Revision 1) which was produced by the Environmental Team (ET) Leader, received via e-mail on 24 July 2026 and duly certified by the ET Leader on 27 July 2026 (ref.: PL-202607039).

I have no comment on the captioned report and hereby verify that this submission has in general fulfilled the requirements set out in the EM&A Manual (in particular Section 12.4.5) for the captioned project.

Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2828 5875.

Yours faithfully

for MOTT MACDONALD HONG KONG LIMITED

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Ref: PL-202607039

By Email

27 July 2026

Mott MacDonald
3/F Manulife Place,
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Attn: Mr. Brandon Wong, IEC

Dear Sir,

Contract No. SPW 01/2025
Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
Environmental Permit No. EP-565/2019/A
EP Condition 3.5 – Quarterly EM&A Report for April to June 2026

Pursuant to Clause 3.5 of Environmental Permit No. EP-565/2019/A for the captioned project, we are pleased to submit the certified Quarterly EM&A Report for April to June 2026 (Rev.1) for your verification.

Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2531 0243.

Yours faithfully,
For and on behalf of
Aurecon Hong Kong Limited

A handwritten signature in black ink, appearing to be "V. Lu", written in a cursive style.

Vincent M. J. Lu
Environmental Team Leader

Encl.

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EXECUTIVE SUMMARY

This Quarterly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. SPW 01/2025 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1". Drainage Services Department (DSD) has appointed Aurecon Hong Kong Limited (Aurecon) to undertake the Environmental Team services for the project and implement the EM&A works.

This is the 21st Quarterly EM&A Report for the construction phase which summaries findings of the EM&A programme during the reporting period from 1 April 2026 to 30 June 2026. As informed by Contractors, major activities in the reporting period were shown in section 1.4.1.

Breaches of Environmental Quality Performance Limits (AL levels)

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

No Action and Limit Level exceedance was recorded for water quality monitoring in the reporting period.

No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts during the reporting period.

No Action / Limit exceedance for the ecological monitoring of birds in the reporting period.

No corrective actions were required according to the Event and Action Plans for the Monitoring Parameters.

Land Contamination

Regular site inspection was carried out to ensure the recommended mitigation measures are properly implemented. The signed final Contamination Assessment Report (CAR) for "Main Storeroom & Workshops", "Mechanical Workshop", "Waste Storage Area", "SAS Thickener House-1", "SAS Thickener House-2" and "Screening Press House" were submitted to EPD respectively on 1st November 2021, 23rd November 2021, 29th April 2022, 6th July 2022, 19th June 2023 and 29th October 2024. No contaminated soil and ground water was found within the Main Storeroom & Workshop, Mechanical Workshop, Waste Storage Area, SAS Thickener House-1, SAS Thickener House-2 and Screening Press House, and no remedial action is required for these locations.

Complaint Log

No complaints were received in the reporting period.

Notifications of Summons and Successful Prosecutions

No notifications of summons and successful prosecutions were received in the reporting period.

Reporting Change

There were no reporting changes during the reporting period.

1 INTRODUCTION

1.1 Background

- 1.1.1 The existing Yuen Long Sewage Treatment Works (YLSTW) is a secondary sewage treatment works, located at Yuen Long Industrial Estate serves Yuen Long Town, Yuen Long Industrial Estate and Kam Tin areas with a design capacity of 70,000 m³ per day. Based on the latest planning data, the volume of sewage generation from the YLSTW catchment is estimated to increase to 150,000 m³ per day after 20 years. In addition, since YLSTW has been operating for over 30 years and most of its facilities are of out-dated design and reaching the end of their design life, the environmental facilities of the plant will also be upgraded and hence improving the adjacent environment through upgrading the YLSTW to Yuen Long Effluent Polishing Plant (YLEPP). The Location of Proposed Yuen Long Effluent Polishing Plant is given in **Figure 1**.
- 1.1.2 YLSTW will be reconstructed in two stages to increase its capacity to 150,000 m³ per day. The proposed works, as Stage 1 of the project, will firstly increase the treatment capacity to 100,000 m³ per day. In the course of Stage 1 construction, about half of the existing facilities of YLSTW would be demolished, while the other half would be kept in operation to maintain the sewage treatment service for Yuen Long area. This 72-month works contract commenced on 9 November 2020. Demolition of existing YLSTW for construction of new treatment facilities are in progress.
- 1.1.3 Under Contract DE/2020/01, this 54-month works contract commenced on 13 June 2022. Design and installation of E&M system, and the supply and installation of PV panels are in progress.
- 1.1.4 The Project is a designated project under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) for which Environmental Impact Assessment (EIA) report and Environmental Monitoring and Audit (EM&A) Manual was approved by EPD (Register No.: AEIAR-220/2019) on 25 April 2019. The Environmental Permit (EP) (EP No. EP-565/2019) was issued by EPD on 26 April 2019. Variation of the Environmental Permit (EP) (EP No. EP-565/2019/A) was issued by EPD on 26 November 2024.
- 1.1.5 Fugro Technical Services Limited was appointed as the Environmental Team (ET) by Drainage Services Department (DSD) to undertake the Environmental Team services for the Project and implement the EM&A works under the Contract No. DC/2019/10 Yuen Long Effluent Polishing Plant -Main Works for Stage 1 (hereinafter referred as “the Contract”) for the period from July 2020 to 6 July 2023.
- 1.1.6 Aurecon Hong Kong Limited (Aurecon) has been appointed as the Environmental Team (ET) by Drainage Services Department (DSD) to undertake the Environmental Team services for the Project and implement the EM&A works under the Contract from July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme with effect from 7 July 2023 was conducted by Aurecon. Aurecon is undertaking the preparation (including reporting of monitoring results), certification by ET Leader and submission of this report to EPD.
- 1.1.7 All ET roles and responsibilities under the EP for this Project were undertaken by Fugro up to 6 July 2023 and by Aurecon with effect from 7 July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme up to 6 July 2023 was conducted by Fugro, and the corresponding monitoring results were shared with Aurecon for the purposes of reporting in this report.
- 1.1.8 This is the 21st Quarterly EM&A Summary Report to document the findings of site inspection activities and EM&A programme for this project from 1 April 2026 to 30 June

2026 (reporting period) and is submitted to fulfil Condition 3.5 of the EP and Section 12.4.5 of the EM&A Manual. According to Condition 4 of the EP, electronic reporting is provided on the internet website to facilitate public inspection of the report.

1.2 Project Organization

1.2.1 The Project Organization structure is shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1**.

Table 1 Contact Information of Key Personnel

Party	Position	Name	Telephone
Project Proponent (Drainage Services Department)	Engineer	Mr. Wallace Cheng	2594 7473
	Engineer	Mr. Ricky Li (Unit April 2026)	2594 7572
	Engineer	Mr. George Lam (From May 2026)	2594 7572
Engineer's Representative (AECOM Asia Co. Ltd.)	Chief Resident Engineer	Mr. Simon Yeung	9075 7172
	Senior Resident Engineer	Mr. Partick Leung	6124 8838
Independent Environmental Checker (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker (IEC)	Mr. Brandon Wong	2828 5875
Contractor (DC/2019/10) (Paul Y. - CREC Joint Venture)	Environmental Specialist	Mr. Gabriel Wong	5269 5723
	Environmental Officer	Mr. Henry Lau	5490 5271
Contractor (DE/2020/01) (JEC)	Environmental Officer	Mr. Chirs Cheng	6389 2975
Environmental Team (Aurecon Hong Kong Limited)	Environmental Team Leader (ETL)	Mr. Vincent Lu	6346 5908

1.3 Construction Programme and Activities

1.3.1 The construction programme of this project is shown in **Appendix A**.

1.4 Works undertaken during the Period

1.4.1 The main construction works carried out in the reporting period were summarized in **Table 2**:

Table 2 Main Construction Works carried out in the Reporting Period

April 2026	May 2026	June 2026
Contract DC/2019/10: • Fixing GRC panel at CLP Substation • Construction of Existing Inspection Chamber and Inlet Effluent Pipes from Nam Sang Wai Sewage Pumping Station • ABWF and T&C Works at IW • ELS works at PST Stage 2 • RC works at SDB • ELS works at ADB and Underpass • RC works at AGS • RC structure at TTS • ABWF and E&M works at STB • ELS work at Sludge Digester no. 4 -6 and UC4 • E&M work at Sludge Digester no. 1-3 • Water test and rectification work at Sludge Digester no. 1-3 • E&M work at Biogas Holder no.2 • Disposal of construction waste as indicated in Appendix F. Contract DE/2020/01: • No site works in April • Disposal of construction waste as indicated in Appendix F.	Contract DC/2019/10: • Fixing GRC panel at CLP Substation • Construction of Existing Inspection Chamber and Inlet Effluent Pipes from Nam Sang Wai Sewage Pumping Station • ABWF and T&C Works at IW • ELS works at PST Stage 2 • RC works at SDB • ELS works at ADB and Underpass • RC works at AGS • RC structure at TTS • Driven H-Pile works at ADB • ABWF and E&M works at STB • ELS work at Sludge Digester no. 4 -6 and UC4 • E&M work at Sludge Digester no. 1-3 • Water test and rectification work at Sludge Digester no. 1-3 • E&M work at Biogas Holder no.2 • Disposal of construction waste as indicated in Appendix F. Contract DE/2020/01: • No site works in May • Disposal of construction waste as indicated in Appendix F.	Contract DC/2019/10: • Construction of Existing Inspection Chamber and Inlet Effluent Pipes from Nam Sang Wai Sewage Pumping Station • ABWF and T&C Works at IW • ELS works at PST Stage 2 • RC works at SDB • ELS works at ADB and Underpass • RC works at AGS • RC and AWBF structure at TTS • ABWF and E&M works at STB • ELS work at Sludge Digester no. 4 -6 and UC4 • E&M work at Sludge Digester no. 1-3 • Water test and rectification work at Sludge Digester no. 1-3 • E&M work at Biogas Holder no.2 • Disposal of construction waste as indicated in Appendix F. Contract DE/2020/01: • No site works in June • Disposal of construction waste as indicated in Appendix F

1.4.2 The environmental mitigation measures corresponding to the main construction works implemented in the reporting period can be referred to **Appendix G**.

2 SUMMARY OF EM&A REQUIREMENTS AND MONITORING RESULTS

2.1 Monitoring Requirement

- 2.1.1 The EM&A programme was undertaken in accordance with the EM&A Manual. It should be noted that the air quality, noise, water quality and ecology monitoring works are covered by this contract.

Air quality Monitoring

- 2.1.2 1-hour Total Suspended Particulates (TSP) levels should be measured at the designated air quality monitoring stations to ensure that any deteriorating air quality could be readily detected and timely action shall be undertaken to rectify such situation. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days when the highest dust impact occurs.

Noise Monitoring

- 2.1.3 Leq (30min) monitoring is conducted at least once a week when there are Project-related construction activities being undertaken within a radius of 300 m from the monitoring stations. The monitoring is conducted during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

Water quality Monitoring

- 2.1.4 Turbidity (in NTU), pH, DO (in mg/L and % of saturation), Temperature (in °C), Salinity (in ppt) and Suspended Solids are conducted for three days per week at mid-flood and mid-ebb with sampling and measurement at the designated monitoring stations.

Ecology Monitoring

- 2.1.5 Ardeid night roost monitoring was conducted once a month in areas within 100 m from the Project boundary to monitor the effectiveness of proposed mitigation measures and detect any unpredicted indirect ecological impacts arising from the Project.
- 2.1.6 Ecological monitoring of birds was conducted monthly during the quarter at point count sites and transect routes along the wetland habitats in Fung Lok Wai and Nam Sang Wai as well as along Shan Pui River and Kam Tin River within 500 m from the Project boundary.

2.2 Monitoring Locations

- 2.2.1 The air quality and noise monitoring are summarized in **Table 3**. The locations of the air quality and noise monitoring stations shown in **Figure 2** and **Figure 3**, respectively.

Table 3 Air Quality and Noise Monitoring Locations

Environmental Monitoring	Monitoring Station	Location
Air Quality	AM1	Topfine Machinery (China) Co. Ltd
	AM2	Squatter house at the west of YLSTW
Noise	CM1	Squatter house at the north of Yuen Long STW
	CM2	Squatter house at the west of Yuen Long STW
	CM3	Squatter house at the east of Yuen Long STW

2.2.2 The coordinates of water quality monitoring locations are summarized in **Table 4**. The locations of the water quality monitoring stations shown in **Figure 4**.

Table 4 Coordinates of Water Quality Monitoring Locations

Sampling Location		Easting	Northing
M1	Serve as the control station at upstream location of construction site (Flood Tide) / Serve as the impact station at downstream location of construction site (Ebb Tide)	821 086	836 656
M2	Serve as the impact station at downstream location of construction site (Flood Tide)/ Serve as the control station at upstream location of construction site (Ebb Tide)	820 996	836 246
M3	Serve as the impact station at downstream location of construction site (Flood Tide) / Serve as the control station at upstream location of construction site (Ebb Tide)	820 645	820 335

2.3 Results & Observations

2.3.1 Graphical presentation of the environmental monitoring data in the reporting period is presented in **Appendix D**.

Air quality Monitoring

2.3.2 1-hour TSP impact monitoring at AM1 and AM2 were carried out in the reporting period, the air quality monitoring results are reported in the monthly EM&A Report prepared for this Contract.

2.3.3 No Action and Limit Level exceedance was recorded for air quality monitoring in the reporting period.

Noise Monitoring

2.3.4 Construction noise monitoring were carried out in the reporting period, the construction noise monitoring results for CM1, CM2 and CM3 are reported in the monthly EM&A Reports prepared for this Contract.

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

2.3.6 No raining and wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.

2.3.7 During the noise monitoring period, at CM2, road traffic from the squatter house at the west of Yuen Long STW was observed, at CM3, road traffic from the Nam Sang Wai Road was observed. No effect that arose from the other special phenomena and work progress of the concerned site for CM1 was noted during the current monitoring period.

Water quality Monitoring

2.3.8 Water quality monitoring were carried out in the reporting period, the monitoring results for M1, M2 and M3 are reported in the monthly EM&A Reports prepared for this Contract.

2.3.9 No Action and Limit Level exceedance was recorded for Dissolved Oxygen, Turbidity and Suspended Solids. Number of water quality exceedance recorded in the reporting period at each impact stations is summarized in **Table 5**.

2.3.10 Due to safety concerns, the water quality monitoring for Mid Flood on 18 June 2026 has been cancelled by Black Rainstorm Warning Signal.

Table 5 Summary of Water Quality Exceedance

Sampling Location	Exceedance Level	DO		Turbidity		Suspended Solids		Total	
		Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
M1	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
M2	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
M3	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
Total	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0

Ecology Monitoring

- 2.3.11 Ardeid night roost monitoring and ecological bird monitoring were carried out in the reporting period. The monitoring results are reported in the monthly EM&A Reports prepared for this Contract.
- 2.3.12 Results of the ardeid night roost monitoring showed that the two confirmed ardeid night roosts (ANR 1 and ANR 2) during the pre-construction survey were still observed to be active from April 2026 to June 2026. No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts in the reporting period.
- 2.3.13 Results of the ecological bird monitoring recorded no exceedance in Action / Limit Level during the reporting period.

2.4 Action and Limit Levels

- 2.4.1 The Action and Limit Levels for air quality, noise, water quality and ecology monitoring have been set and are presented in **Appendix C**.

2.5 Event and Action Plans

- 2.5.1 The event and action plans for air quality, noise, water quality and ecology monitoring are presented in **Appendix E**.

2.6 Mitigation Measures

- 2.6.1 Contractors had implemented environmental mitigation measures and requirements as stated in the EIA Report, the EP and EM&A Manual. The implementation status of the environmental mitigation measures during the reporting period is summarized in **Appendix G**.

3 LANDSCAPE AND VISUAL

3.1 Audit Requirements

- 3.1.1 According to the EM&A Manual, a Landscape Architect or related professional shall be employed to audit the implementation of landscape construction works particularly during site clearance operations when the proposed tree felling and transplanting will take place and subsequent maintenance operations. Site audits should be undertaken every week during the construction phase to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. The mitigation measure recommended in the EIA Report as the audit requirements for landscape and visual, including: preservation of existing vegetation, transplanting of affected trees, compensatory tree planning, control of night-time lighting glare, erection of decorative screen hoarding and management of construction activities and facilities are summarized in **Appendix G**.

3.2 Results and Observations

- 3.2.1 According to the EM&A Manual, site audits should be undertaken every week during the construction phase to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives.
- No landscape or visual site audit was carried out for Contract DE/2020/01 in the reporting period. As there is no landscape or visual impact for the indoor works under Contract DE/2020/01.
- 3.2.2 To monitor and audit the implementation of landscape and visual mitigation measures, 14 weekly landscape and visual site audits were carried out in the reporting period for Contract DC/2019/10. No outstanding issues were reported during the reporting period. Observations and recommendations during site audits are summarized in **Table 6**.

4 LAND CONTAMINATION

4.1 Contamination Assessment Report

- 4.1.1 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Main Storeroom & Workshops” and the laboratory results for the sampling works (conducted between 30 June 2021 to 16 July 2021) show that there are no exceedances of the adopted RBRGs for the “Main Storeroom & Workshops”. As no contaminated soil and groundwater was found within the “Main Storeroom & Workshops”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Main Storeroom & Workshops”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 1 November 2021.
- 4.1.2 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Mechanical Workshop” and the laboratory results for the sampling works (conducted between 23 July 2021 to 4 August 2021) show that there are no exceedances of the adopted RBRGs for the “Mechanical Workshop”. As no contaminated soil and groundwater was found within the “Mechanical Workshop”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Mechanical Workshop”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 23 November 2021.
- 4.1.3 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Waste Storage Area” and the laboratory results for the sampling works (conducted between 24 November 2021 to 6 January 2022) show that there are no exceedances of the adopted RBRGs for the “Waste Storage Area”. As no contaminated soil and groundwater was found within the “Waste Storage Area”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Waste Storage Area”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 29 April 2022.
- 4.1.4 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “SAS Thickener House-1” and the laboratory results for the sampling works (conducted between 13 April 2022 to 16 May 2022) show that there are no exceedances of the adopted RBRGs for the “SAS Thickener House-1”. As no contaminated soil and groundwater was found within the “SAS Thickener House-1”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “SAS Thickener House-1”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 6 July 2022.
- 4.1.5 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “SAS Thickener House-2” and the laboratory results for the sampling works (conducted between 15 February 2023 to 23 February 2023) show that there are no exceedances of the adopted RBRGs for the “SAS Thickener House-2”. The laboratory results are compared against the adopted RBRGs and soil saturation limit (C_{sat}) for soil samples and the adopted RBRGs and the solubility limits for groundwater samples. No exceedance of RBRG are recorded for both soil samples and groundwater samples. Furthermore, no exceedance of the soil saturation limit are recorded for soil samples. However, the exceedances of solubility limits for PCRs (C9-C16) are recorded for groundwater samples collected at BH-18, BH-19, BH-20 and BH-21; and also PCRs (C17-C35) for BH-21. As no non-aqueous phase liquid (NAPL) was observed during sampling, no further sampling and remediation are required. As no contaminated soil and groundwater is found within the

“SAS Thickener House-2”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “SAS Thickener House-2”. Their findings are summarized in Contamination Assessment Report (CAR) which was certified by ET Leader and verified by IEC on 31 May 2023 and submitted to EPD on 19 June 2023.

- 4.1.6 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the “Screening Press House” and the laboratory results for the sampling works (conducted between 19 August 2024 to 20 August 2024) show that there are no exceedances of the adopted RBRGs for the “Screening Press House”. As no contaminated soil and groundwater was found within the “Screening Press House”, no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the “Screening Press House”. Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 29 October 2024.

5 SITE INSPECTION AND AUDIT

5.1 Site Inspection

- 5.1.1 Site audits were carried out by ET on weekly basis at least once per week to monitor the implementation of proper environmental management practices and mitigation measures in the Project site.
- 5.1.2 In the reporting period, 14 site inspections were carried out for Contract DC/2019/10. 3 site inspections were carried for Contract DE/2020/01. No outstanding issues were reported during the reporting period. Details of observations recorded during the site inspections are presented in **Table 6**.

Table 6 Observations and Recommendations of Site Audit
Contract DC/2019/10:

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	1 April 2026	Reminder 1: Watering for the haul road should be increased.	Watering was increased.
Noise	N/A		
Water Quality	N/A		
Chemical and Construction Waste Management	6 May 2026	Reminder 1: Domestic waste and construction waste should be stored separately.	Domestic waste and construction waste were stored separately.
	19 May 2026	Reminder 1: Domestic waste should be stored in an enclosed rubbish bin.	Domestic waste was stored in an enclosed rubbish bin.
	9 June 2026	Reminder 1: Domestic waste should be stored in a covered rubbish bin.	Domestic waste was stored in a covered rubbish bin.
Land Contamination	N/A		
Ecological Impact	N/A		
Landscape and Visual Impact	30 June 2026	Reminder 1: The broken branches should be pruned back to the union. Pruning shall follow "Guidelines on Tree Pruning" of GLTMS, DEVB (Dec 2023).	Broken part of the tree was removed.
Permit / Licenses	19 May 2026	Reminder 1: The color of NRMM label for the generator at IW should be green.	The color NRMM label for the generator was provided.
Other	N/A		

Contract DE/2020/01:

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	N/A		
Noise	N/A		
Water Quality	N/A		
Chemical and Construction Waste Management	N/A		
Land Contamination	N/A		

Parameters	Date	Observations and Recommendations	Follow-up
Ecological Impact		N/A	
Landscape and Visual Impact		N/A	
Permit / Licenses		N/A	
Other		N/A	

5.2 Advice on the Solid and Liquid Waste Management Status

- 5.2.1 Contractors registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 5.2.2 The management of waste generated by the construction is presented in **Table 7**.

Table 7 Waste Generated by the Construction and Disposal Ground

Types of Waste	Disposal Ground
Inert C&D Waste (Excluding slurry and bentonite)	Tuen Mun Area 38
Inert C&D Waste (For slurry and bentonite)	Tseung Kwan O Area 137
Non-inert C&D Materials	North East New Territories Landfill (NENT) (Before 6 November 2025) South East New Territories Landfill Extension (SENTX) (From 6 November 2025) ¹
Sludge	West New Territories Landfill (WENT)
Marine Sediment	Type 1 – Open Sea Disposal: South Cheung Chau Open Sea Sediment Disposal Area Type 1 – Open Sea Disposal (Dedicate Site) and Type 2 – Confined Marine Disposal: Contaminated Mud Pit Vb and Contaminated Mud Pit of the Confined Marine Disposal Facilities to the East of Sha Chau

Note:

1: EPD issued a memo on 6 November 2025, indicating that for works projects with WENT or NENT Landfills as the designated disposal ground for non-inert construction and demolition materials, these designated disposal grounds will be temporarily replaced by South East New Territories Landfill Extension (SENTX) in Tseung Kwan O, with immediate effect until further notice.

- 5.2.3 The amount of wastes generated by the site activities in the reporting period is shown in **Appendix F**.
- 5.2.4 If off-site disposal is required, the excavated marine mud from the land-based works shall be disposed of at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee or other locations as agreed by the Director. Contractors shall ensure no spilling and overflowing of materials during loading / unloading / transportation is allowed.
- 5.2.5 Contractors were reminded that chemical waste should be properly handled temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packing, Labelling and Storage of Chemical Waste.

6 NON-COMPLIANCE, COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

6.1 Non-compliance (Exceedances of AL levels)

- 6.1.1 No Action and Limit Level exceedance was recorded for air quality monitoring and construction noise monitoring in the reporting period.
- 6.1.2 No Action and Limit Level exceedance was recorded was recorded for water quality in the reporting period.
- 6.1.3 No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts in the reporting period.
- 6.1.4 No Action / Limit exceedance for the ecological monitoring of birds in the reporting period.
- 6.1.5 No corrective actions were required according to the Event and Action Plans.

6.2 Complaints, Notification of Summons and Successful Prosecutions

- 6.2.1 No environmental complaints, notification of summons and successful prosecutions was recorded in the reporting period.
- 6.2.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix H**.
- 6.2.3 No corrective actions were required.

7 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURE

7.1 Implementation Status of Environmental Protection and Pollution Control / Mitigation Measures

Contractors had implemented environmental protection and pollution control / mitigation measures as stated in the EIA Report, the EP and EM&A Manual. The implementation status of the recommended mitigation measures during the reporting period is summarized in **Appendix G**.

The status of required submissions under the EP as of the reporting period are summarized in **Table 8**.

Table 8 Status of submissions required under the EP

EP Condition (EP-565/2019/A)	Submission Title	Submission Status
Condition 2.9	Construction Phase Emergency Response Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.11	Pre-construction Ardeid Night Roost Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
EM&A Manual Sec. 7.3.3 & 7.3.4	Baseline Bird Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.12	Noise Mitigation Measures Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.13	Proposal for Minimization of Overspill Light to Ecological Sensitive Areas	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Supplementary Contamination Assessment Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Main Storeroom & Workshops	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Mechanical Workshop	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Waste Storage Area	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

EP Condition (EP-565/2019/A)	Submission Title	Submission Status
Condition 2.14	Contamination Assessment Report for SAS Thickener House-1	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for SAS Thickener House-2	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Screening Press House	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.15	Landscape and Visual Mitigation Plan	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 3.3	Baseline Monitoring Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.4	Monthly EM&A Report (from April 2021 to June 2026)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.5	Quarterly EM&A Report (from April 2021 to March 2026)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 4.2	Environmental Monitoring Data from April 2021 to June 2026	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

8 CONCLUSION AND RECOMMENDATION

8.1 Conclusions

- 8.1.1 No Action and Limit Level exceedance was recorded for air quality monitoring and construction noise monitoring in the reporting period.
- 8.1.2 No Action and Limit Level exceedance was recorded for water quality in the reporting period.
- 8.1.3 No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts in the monitoring period.
- 8.1.4 No Action / Limit exceedance for the ecological monitoring of birds in the reporting period.
- 8.1.5 14 environmental site inspections and 14 landscape and visual site audits were carried out for Contract DC/2019/10 in in the reporting period. Recommendations on mitigation measures were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 8.1.6 3 environmental site inspections were carried out for Contract DE/2020/01 in in the reporting period. Recommendation on mitigation measure was given to the Contractor for remediating the deficiencies identified during the site inspections.
- 8.1.7 No landscape or visual site audits were carried out for Contract DE/2020/01 in the reporting period as there is no landscape or visual impact for indoor works under Contract DE/2020/01.
- 8.1.8 No environmental complaints, notification of summons and successful prosecutions were recorded in the reporting period.
- 8.1.9 The EM&A methodology has been effective in monitoring the environmental impacts of the Project and the effectiveness of the mitigation measures. The data collected were useful in determining whether the Project had caused unacceptable impacts on the sensitive receivers. Analysis of all EM&A data collected throughout the baseline and the impact monitoring periods demonstrated the environmental acceptability of the Project.

8.2 Comment and Recommendations

- 8.2.1 The recommended environmental mitigation measures, as proposed in the EIA report and EM&A Manual shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.
- 8.2.2 According to the environmental site inspections performed in the reporting period, the following recommendations were provided:

Contract DC/2019/10:

Air Quality Impact

- Watering for the haul road should be increased.

Construction Noise Impact

- No specific observation was identified in the reporting period.

Water Quality Impact

- No specific observation was identified in the reporting period.

Chemical Waste and Construction Waste Management

- Domestic waste and construction waste should be stored separately.
- Domestic waste should be stored in an enclosed rubbish bin.
- Domestic waste should be stored in a covered bin.

Land Contamination

- No specific observation was identified in the reporting period.

Ecological Impact

- No specific observation was identified in the reporting period.

Landscape and Visual Impact

- The broken branches should be pruned back to the union. Pruning shall follow “Guidelines on Tree Pruning” of GLTMS DEVB (Dec 2023).

Hazard to Life

- No specific observation was identified in the reporting period.

Permit/ Licenses

- The color of NRMM label for the generator at IW should be green.

Other

- No specific observation was identified in the reporting period.

Contract DE/2020/01:

Air Quality Impact

- No specific observation was identified in the reporting period.

Construction Noise Impact

- No specific observation was identified in the reporting period.

Water Quality Impact

- No specific observation was identified in the reporting period.

Chemical Waste and Construction Waste Management

- No specific observation was identified in the reporting period.

Land Contamination

- No specific observation was identified in the reporting period.

Ecological Impact

- No specific observation was identified in the reporting period.

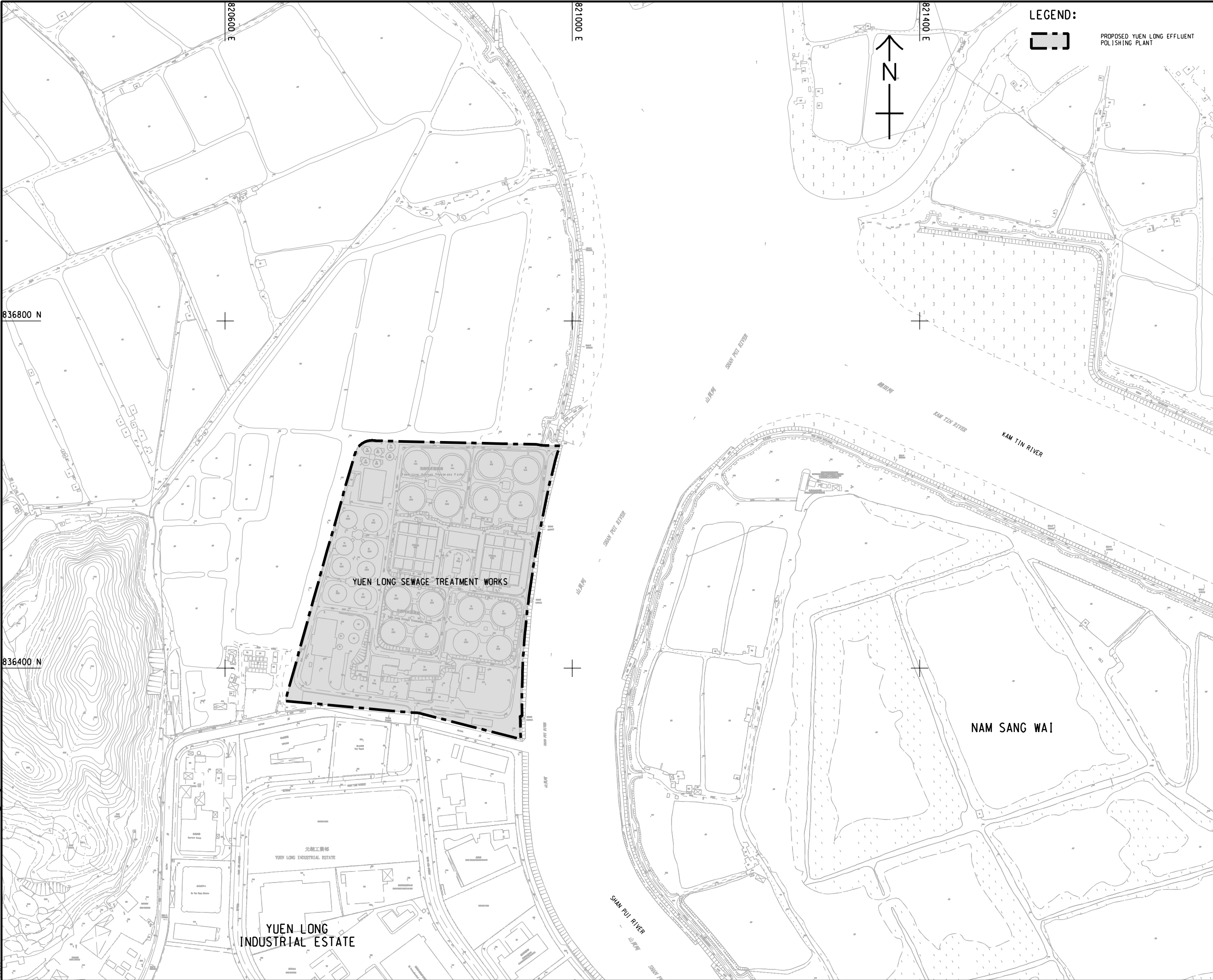
Landscape and Visual Impact

- No specific observation was identified in the reporting period.

Hazard to Life

- No specific observation was identified in the reporting period.

Figure 1 Location of Proposed Yuen Long Effluent Polishing Plant



LEGEND:
 PROPOSED YUEN LONG EFFLUENT POLISHING PLANT

AECOM

PROJECT
項目

**YUEN LONG EFFLUENT
POLISHING PLANT -
INVESTIGATION, DESIGN
AND CONSTRUCTION**

CLIENT
業主

 渠務署
Drainage Services Department

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U/R 發行	DATE 日期	DESCRIPTION 內容摘要	CHK. 核對

STATUS
階段

SCALE
比例

A1 1: 2000

DIMENSION UNIT
尺寸單位

METRES

KEY PLAN
索引圖

PROJECT NO.
項目編號

60505476

CONTRACT NO.
合約編號

CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

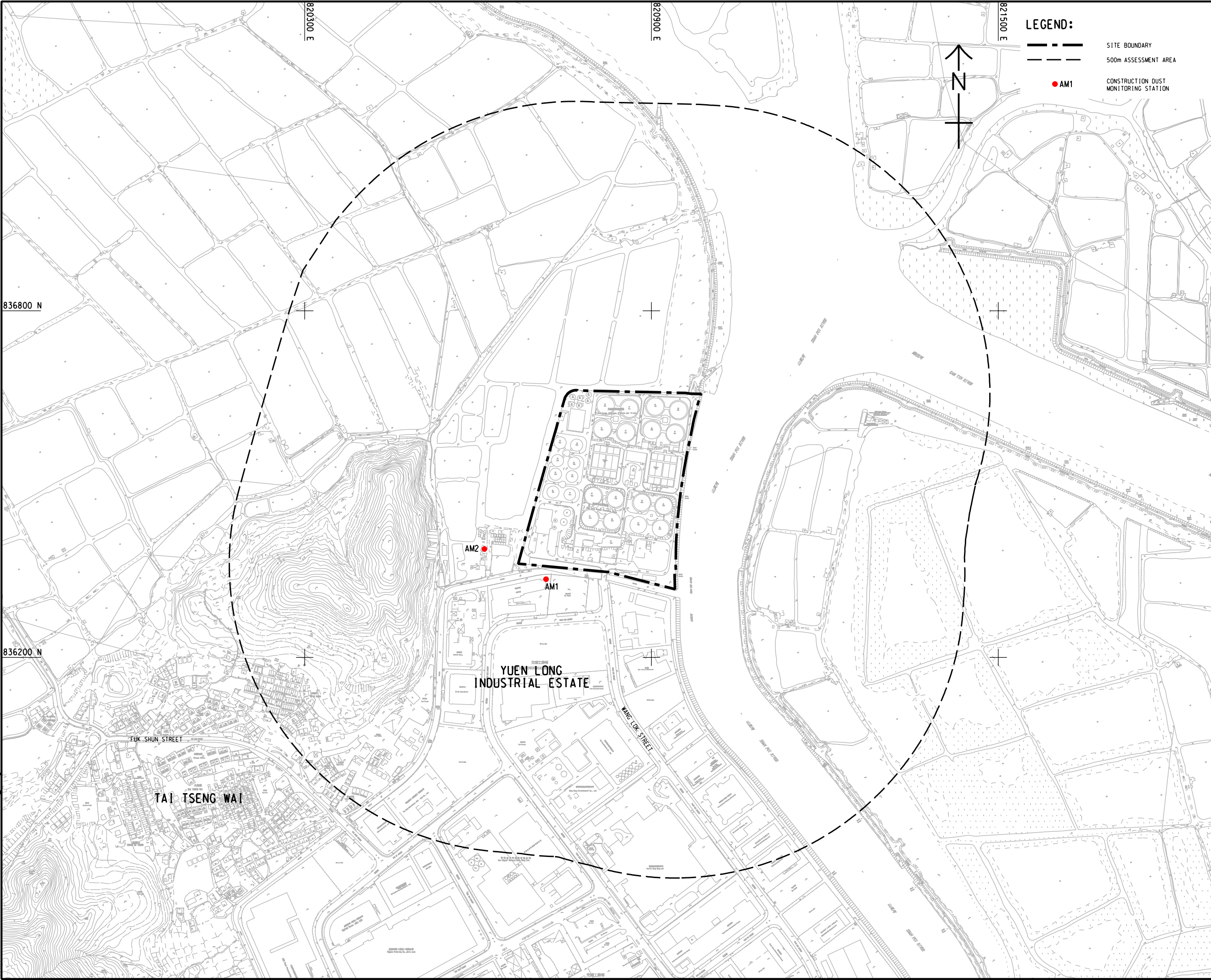
LOCATION OF PROPOSED
YUEN LONG EFFLUENT
POLISHING PLANT

SHEET NUMBER
圖紙編號

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Figure 2 Location of Construction Dust Monitoring Stations

ISO A1 594mm x 841mm
Approved:
Checked:
Designer:
Project Management Initials:
11/29
Pld File by: GaoYU
PATH: P:\PROJECTS\60505476\DRAWING\REPORT\EM&A\A1\EM&A_703.dgn



LEGEND:

- SITE BOUNDARY
- 500m ASSESSMENT AREA
- AM1 CONSTRUCTION DUST MONITORING STATION

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PROJECT

YUEN LONG EFFLUENT POLISHING PLANT - INVESTIGATION, DESIGN AND CONSTRUCTION

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I/R	DATE	DESCRIPTION	CHK.
01	15/03/2015	Initial Issue	AM

STATUS

SCALE

A1 1:3000

DIMENSION UNIT

METRES

KEY PLAN

PROJECT NO.

60505476

CONTRACT NO.

CE 3/2015 (DS)

SHEET TITLE

LOCATION OF CONSTRUCTION DUST MONITOING STATIONS

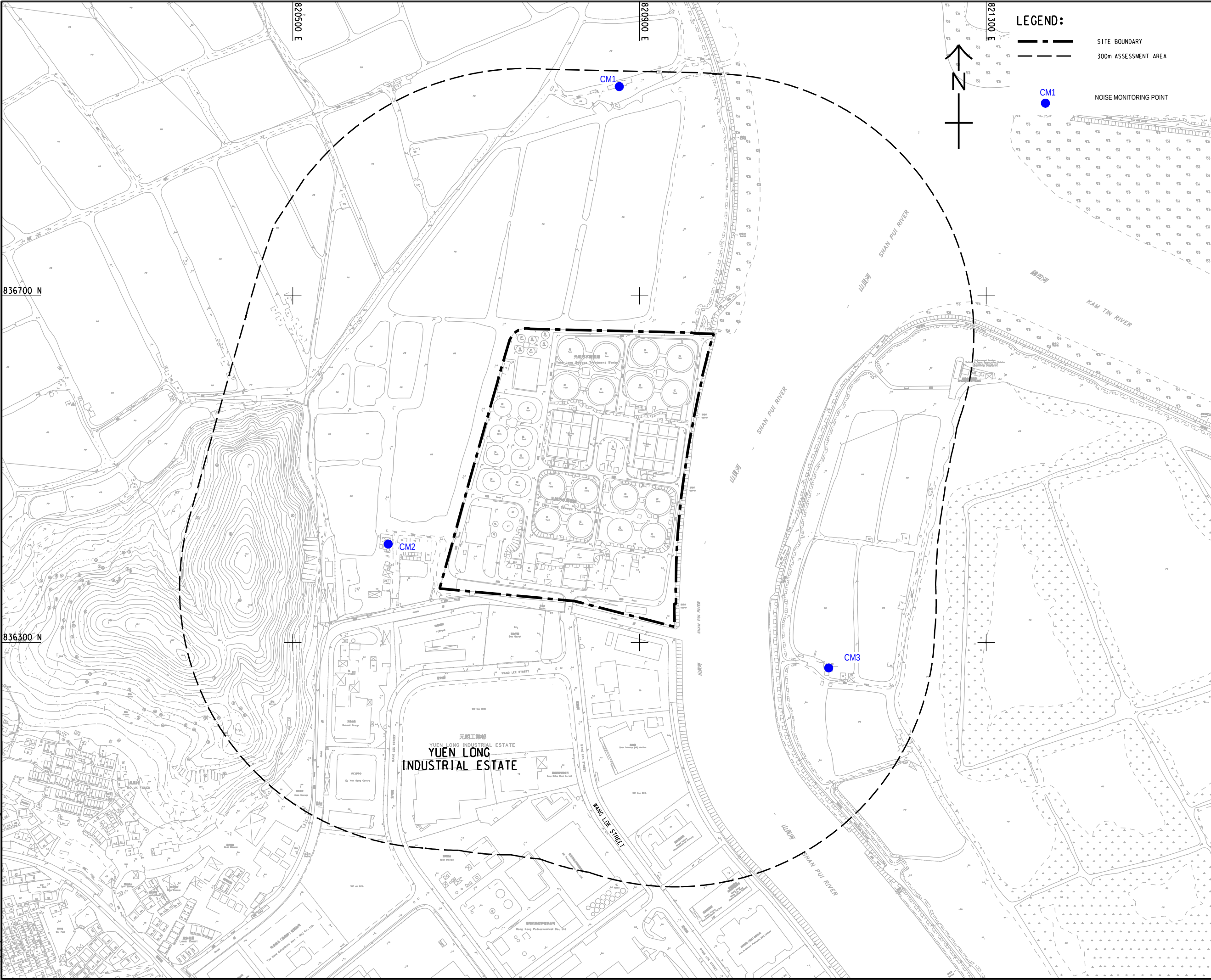
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Figure 3 Noise Monitoring Locations

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ISO A1 594mm x 841mm
Approved:
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Project Management Initials:



AECOM

PROJECT
項目

**YUEN LONG EFFLUENT
POLISHING PLANT -
INVESTIGATION, DESIGN
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修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 校核
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STATUS
階段

SCALE
比例

A1 1:2000

DIMENSION UNIT
尺寸單位

METRES

KEY PLAN
索引圖

PROJECT NO.
項目編號

60505476

CONTRACT NO.
合約編號

CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

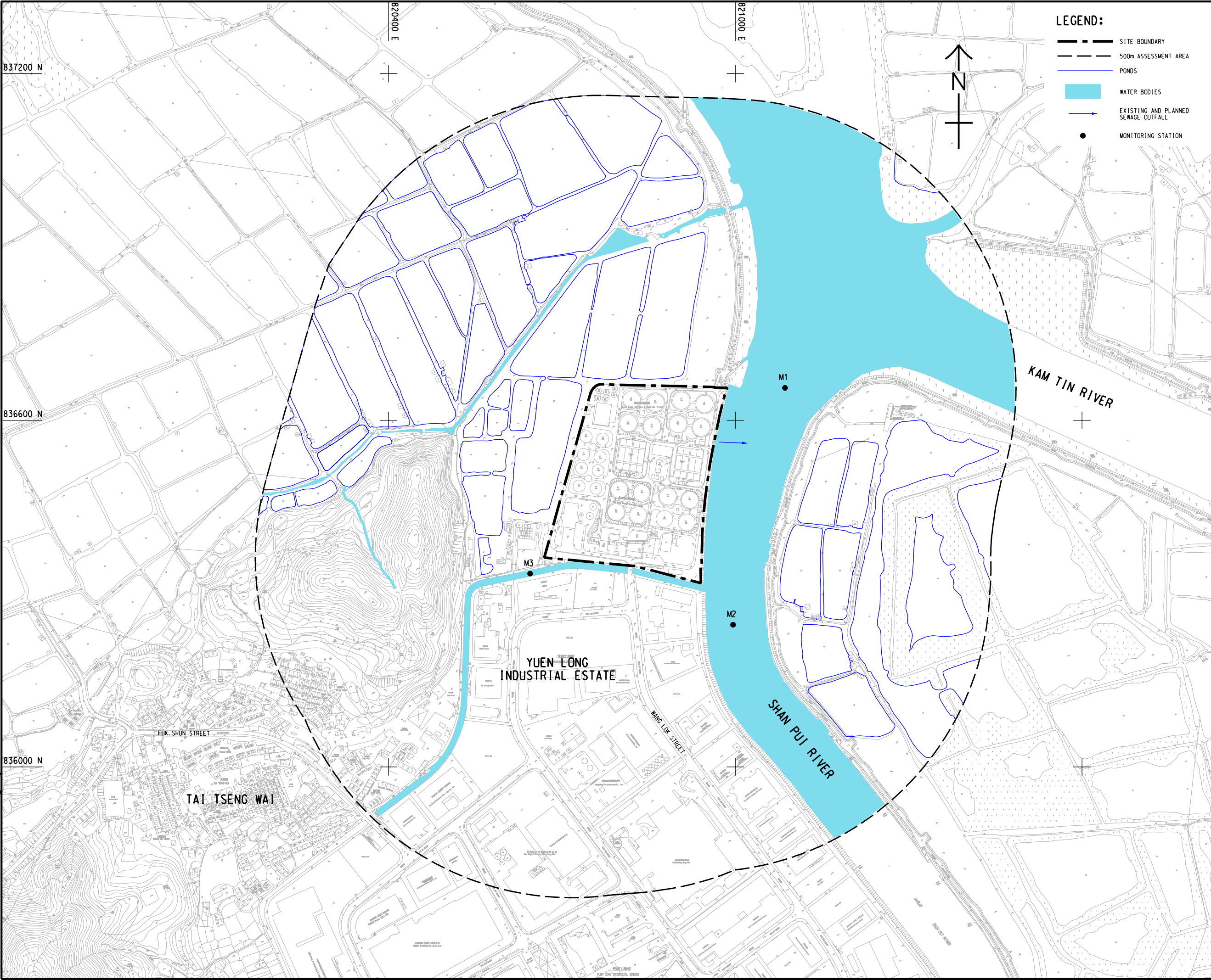
LOCATIONS OF NOISE
MONITORING POINTS

SHEET NUMBER
圖紙編號

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Figure 4 Water Quality Monitoring Locations

ISO A1 594mm x 841mm
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Checked:
Designer:
Project Management Initials:
12/18
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LEGEND:

- SITE BOUNDARY
- 500m ASSESSMENT AREA
- PONDS
- WATER BODIES
- EXISTING AND PLANNED SEWAGE OUTFALL
- MONITORING STATION

AECOM

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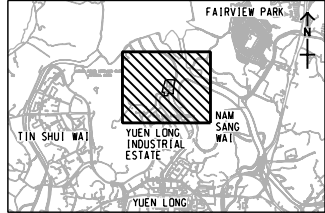
NO.	DATE	DESCRIPTION	CHK.

STATUS

SCALE
比例
A3 1: 6000

DIMENSION UNIT
尺寸單位
METRES

KEY PLAN A3 1: 180000



PROJECT NO.
項目編號
60505476

CONTRACT NO.
合約編號
CE 3/2015 (DS)

SHEET TITLE
圖紙名稱
LOCATIONS OF WATER QUALITY MONITORING STATIONS FOR CONSTRUCTION PHASE

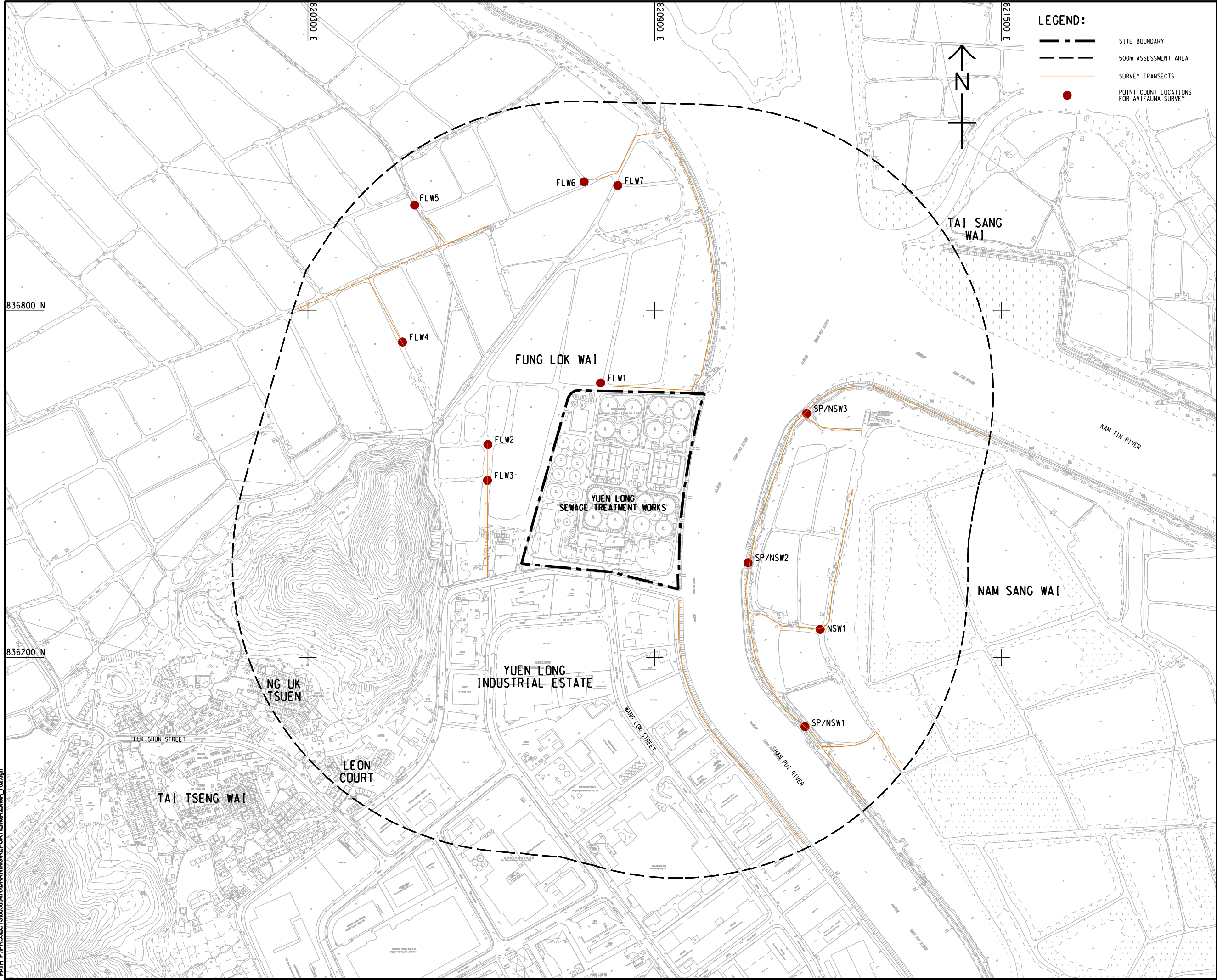
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Figure 5 Ecology Monitoring Locations

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Project Management Initials:



LEGEND:

- SITE BOUNDARY
- 500m ASSESSMENT AREA
- SURVEY TRANSECTS
- POINT COUNT LOCATIONS FOR AVIFAUNA SURVEY

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PROJECT
项目

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STATUS
階段

SCALE
比例

DIMENSION UNIT
尺寸單位

A1 1 : 3000 METRES

KEY PLAN
索引圖

PROJECT NO.
項目編號

60505476

CONTRACT NO.
合約編號

CE 3/2015 (DS)

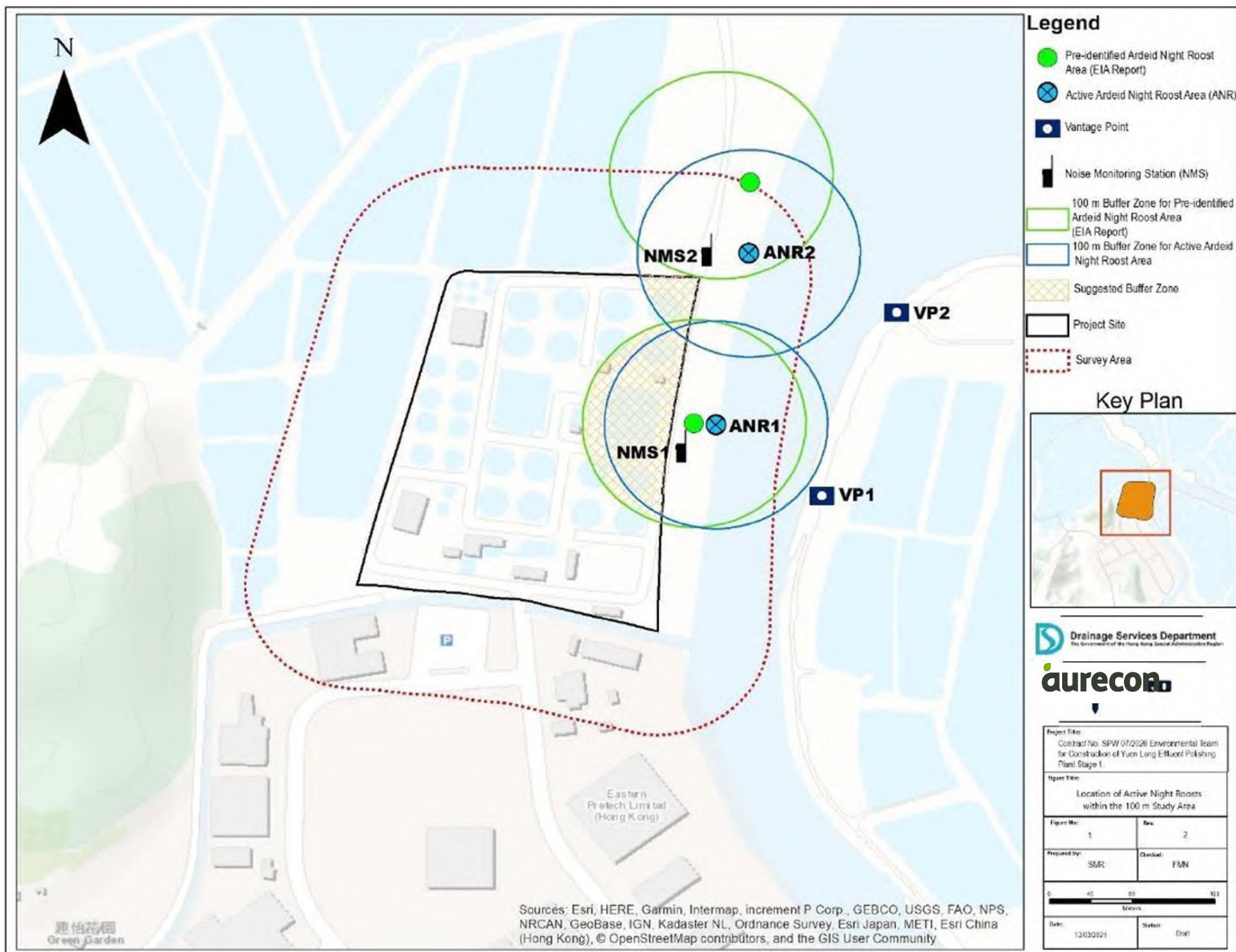
SHEET TITLE
圖紙名稱

ECOLOGICAL MONITORING LOCATIONS

SHEET NUMBER
圖紙編號

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Figure 6 Active Night Roost Monitoring Area and Vantage Points; And Noise Monitoring Stations



Appendix A

Construction Programme

[illegible]

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March 65					April 66					May 67					June 68					July 69					August 70					September 71	
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30					
	DDA-750	Security, Public Address and Communication System	120	28-Jun-23 A	29-May-26	-337																Security, Public Address and Communication System															
Design out of ATAL's Scope																																					
	DDA-730	Civil & Structural for Steel Working Platform	100	02-Sep-22 A	31-Mar-26	442						Civil & Structural for Steel Working Platform																									
	DDA-1560	Street Fire Hydrant System	120	22-Dec-23 A	31-Mar-26	169						Street Fire Hydrant System																									
	DDA-660	Pipeworks System for Sludge Thickening Building (STB)	120	15-Oct-24 A	31-Mar-26	1013						Pipeworks System for Sludge Thickening Building (STB)																									
	DDA-685	Pipeworks System for Sludge Digesters (SD)	120	02-Dec-24 A	31-Mar-26	-64						Pipeworks System for Sludge Digesters (SD)																									
	DDA-1580	Lift Installation at TTS & ADB	120	22-Dec-25 A	28-Jul-26	273																Lift Installation at TTS & ADB															
	DDA-1550	Rainwater Drainage Systems	120	31-Mar-26	28-Jul-26	302																Rainwater Drainage Systems															
	DDA-690	Pipeworks System for Sludge Dewatering Building (SDB)	120	01-Apr-26	29-Jul-26	-58																Pipeworks System for Sludge Dewatering B															
	DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP)	120	01-Apr-26	29-Jul-26	348																Pipeworks System for Utility Corridor&Pipe P															
	DDA-1570	BS at Education Corridor	120	01-Apr-26	29-Jul-26	272																BS at Education Corridor															
Technical Submission																																					
Operation and Maintenance (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))																																					
Inlet Works and Primary Sedimentation Tank																																					
	SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	07-Mar-26 A	31-Mar-26	63						Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																									
	SUBM-1210	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fin	30	01-Apr-26	30-Apr-26	63											Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - final draft																				
AGS and TTS system																																					
	SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	01-May-26	29-Jun-26	63																Submit/review/approval Operation and Maintenance (O&M) Manuals and Inst															
Sludge Thickening System																																					
	SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	30-Dec-25 A	31-Mar-26	122						Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																									
	SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	01-Apr-26	30-Apr-26	122											Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft																				
Sludge Disgestion System																																					
	SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	01-Apr-26	30-May-26	69											Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
	SUBM-1320	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	31-May-26	29-Jun-26	69																Submit/review/approval Operation and Maintenance (O&M) Manuals and Inst															
Biogas H2S Removal System																																					
	SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st	60	01-Apr-26	30-May-26	374											Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft																				
	SUBM-1290	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - rev	30	31-May-26	29-Jun-26	374																Submit/review/approval Operation and Maintenance (O&M) Manuals and Inst															
Deodourization System																																					
	SUBM-1360	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - fin	30	01-Apr-26	30-Apr-26	554											Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - final draft																				
Commissioning Plan and Procedures (PS34.20(10))																																					
	SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	22-Jan-26 A	30-Jun-26	121																Submit/review/approval Commissioning Plan and Procedures - STB															
	SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	24-Feb-26 A	30-Jun-26	128																Submit/review/approval Commissioning Plan and Procedures - SDT															
	SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	31-Mar-26	28-Jul-26	-187																Submit/review/approval Commissioning Plan															
	SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	31-Mar-26	28-Jul-26	-187																Submit/review/approval Commissioning Plan															
	SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - BH	120	31-Mar-26	28-Jul-26	405																Submit/review/approval Commissioning Plan															
Material Submission, Procurement, Manufacturing and Delivery																																					
Biogas Holder																																					
	PRE-410	Submit/Procure/Manufacture/Deliver Waste Gas Burner	300	19-Aug-21 A	30-Sep-26	271																															
	PRE-430	Submit/Procure/Manufacture/Deliver Biogas Booster and Transfer Pumps	457	28-Jun-24 A	30-Sep-26	210																															
Mainstream Bio-Reactor																																					
	PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	31-Mar-26	-238											Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system																				
	PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplo	345	31-Oct-22 A	31-Mar-26	-167											Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs																				
	PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening	510	31-Oct-22 A	31-Mar-26	-181											Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening system																				
	PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage anc	270	18-Nov-22 A	31-Mar-26	-238											Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and dosing system																				
	PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Instrumentation	481	03-Apr-24 A	30-Jun-26	-257																Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. -															
	PRE-560	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - LALG	349	16-Jul-24 A	30-Jun-26	-329																Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. -															
	PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - MVAC	138	16-Dec-24 A	30-Jun-26	-329																Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. -															
Tertiary Treatment System																																					
	PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	150	27-Mar-23 A	30-Apr-26	-205											Submit/Procure/Manufacture/Deliver TTS Equip. - LALG																				
	PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	500	07-Sep-23 A	30-Apr-26	-205											Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02																				
Statutory Submission & Approval																																					
FSI, FSD and OP Requirements																																					
FSD OP Submission & Approval																																					
Phase 1 (IWPST)																																					
	FSD-1060	FSD Fire Services Installation Plan for Building (Form 314) and Form 501 Preparation & Submissior	14	18-Mar-26 A	02-Apr-26	-168											FSD Fire Services Installation Plan for Building (Form 314) and Form 501 Preparation & Submission																				
	FSD-1070	FSD Inspection[14D]+Re-Inspection&Defects[14D]	28	03-Apr-26	30-Apr-26	-168											FSD Inspection[14D]+Re-Inspection&Defects[14D]																				
	FSD-1080	FSD - Issuance of FSD Certificate FS172 (7 Days following to Inspection)	7	30-Apr-26	06-May-26	-168											FSD - Issuance of FSD Certificate FS172 (7 Days following to Inspection)																				
WSD Submission & Approval																																					
	WSD-1030	WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval	60	30-Sep-25 A	31-Mar-26	448						WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval																									
	WSD-1040	WSD - Submit Form WWO46 Part 4 (Fresh/Flush/FS)	0		28-Apr-26	444											◆ WSD - Submit Form WWO46 Part 4 (Fresh/Flush/FS)																				
	WSD-1050	WSD - WSD inspection	14	29-Apr-26	12-May-26	444											WSD - WSD inspection																				
	WSD-1060	WSD - Water supply connedion	7	13-May-26	19-May-26	444											WSD - Water supply connedion																				
	WSD-1070	WSD - Submit as-built dwg, material info,water sampling test result,CCTV survey/swabbing record,	7	20-May-26	26-May-26	444											WSD - Submit as-built dwg, material info,water sampling test result,CCTV survey/swabbing record, valve detail to PM																				
	WSD-1080	WSD - WSD Obtain of WWO46 Part 5	0		26-May-26	444											◆ WSD - WSD Obtain of WWO46 Part 5																				

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March 65					April 66					May 67					June 68					July 69					August 70					September 71
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	06			
EMSD Submission & Approval																																				
Biogas System (ATAL)																																				
Phase 1																																				
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1 (Submission and Approval Period)	184	03-Jun-24 A	01-May-26	33																															
Zone 1 Construction																																				
CLP Substations No. 1 & 2																																				
CLP Substation No. 1 & 2 & DSD 11kV Switchgear - GRC Cladding																																				
CLP-1600	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - installation	75	18-Sep-24 A	30-Apr-26	451																															
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS																																				
IW-1320	Modification of Existing Inspection Chamber - ELS works + Pipe Laying	18	28-Nov-25 A	25-Apr-26	-151																															
IW-1350	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Eastern)	18	19-Jan-26 A	28-Apr-26	-153																															
IW-2980	Modification of Existing Inspection Chamber - Trimming works and Changeover Pipe (Western)	14	29-Apr-26	15-May-26	-153																															
IW-1340	Modification of Existing Inspection Chamber - Backfilling Works	12	16-May-26	30-May-26	-153																															
Inlet Works (IW)																																				
IW Civil and Structural Works																																				
IW Civil and Structure Works (Remaining Area)																																				
Z1-IW-7200	IW - ABWF + BS Works	16	23-Feb-26 A	31-Mar-26 A																																
IW ABWF Works																																				
IW ABWF Works final fix																																				
IW-3250	Inlet Work - ABWF Works final fix above +11.8mPD	90	26-Aug-25 A	14-Apr-26	812																															
IW-3260	Inlet Work - ABWF Works final fix below +11.8mPD	90	26-Aug-25 A	14-Apr-26	812																															
IW ABWF Works - Roof																																				
IW-3030	Inlet Work - ABWF Works @ External Wall	120	02-Dec-24 A	30-Apr-26	798																															
IW E&M Works																																				
DOU-01 System - 01																																				
ATAL-2120	IW - DOU Seeding and Process Start Up of Bio Tricking Filter	3	17-Mar-26 A	18-Mar-26 A																																
LV Switch Room (IW + PST)																																				
ATAL-1270	IW - LVSB and PLC Panel, Station, UPS System Installation *	36	09-Sep-24 A	15-Apr-26	811																															
IW E&M T&C Works																																				
IW-PKD3	IW - PKD3 (12-Mar-24)	0		31-Mar-26 A																																
Phase 5 - System Commissioning Test c/w PST (Sewage)																																				
ATAL-1100	System Commissioning Test c/w PST (Sewage) *Calendar Day	30	01-Mar-26 A	30-Apr-26	63																															
Primary Sedimentation Tank (PST)																																				
PST Stage 2a (N) Basement Construction Works																																				
Excavation Works																																				
Z1-PST-4882	PST Stage 2a - Diversion of 1200dia. outfall pipe (ELS=12d,pipe laying&test=14d,backfill=2d)	28	28-Nov-25 A	11-Apr-26	-318																															
Z1-PST-4300	PST Stage 2a - Sheetpile Installation	11	05-Feb-26 A	23-Apr-26	-318																															
Z1-PST-4892	PST Stage 2a - Plug and Demolish existing temp. outfall pipe	10	13-Apr-26	23-Apr-26	-318																															
Z1-PST-4302	PST Stage 2a - Excavation Level (+5 to +1.875 mPD) (3,233m3, 600m3/day)	10	24-Apr-26	06-May-26	-318																															
Z1-PST-4305	PST Stage 2a - Capping plate, blinding and waterproofing	10	07-May-26	18-May-26	-318																															
Basement RC Works																																				
Z1-PST-4372	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.95 mPD)	18	19-May-26	09-Jun-26	-318																															
Z1-PST-4322	PST Stage 2a - Base Slab & Wall Erection of Formworks and RC Works (+2.45/+2.95 mPD)	18	10-Jun-26	02-Jul-26	-318																															
PST Stage 2b (S) Trench Construction Works (Zone E)																																				
Excavation Works																																				
Z1-PST-4722	PST Stage 2b - Vertical blinding for Zone E1 & B Base Slab and Wall	7	02-Feb-26 A	10-Feb-26 A																																
Z1-PST-4000	PST Stage 2b - Base Slab & Wall Erection of Formworks and RC Works (+0.15 mPD)	18	20-Mar-26 A	30-Mar-26 A																																
Z1-PST-4020	PST Stage 2b - Wall Erection of Formworks and RC Works (+1.875 mPD)	12	31-Mar-26	17-Apr-26	-293																															
PST ABWF, E&M & T&C																																				
PST Stage 1																																				
PST Stage 1 - ABWF Works																																				
GLA-H above +11.8mPD																																				
PST-3185	PST Stage 1 - ABWF Works and Floor Access Cover (render:spray, screeding, plastering) at Tank	18	09-Jul-25 A	30-Apr-26	798																															

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April					May					June					July					August					September																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	SDB-6580	SDB - Structure Zone A - G/F to First Floor (+5.95 to 13.45mPD) @ 1F-Bay 4	12	08-Jun-26	22-Jun-26	-83																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March 65				April 66				May 67				June 68				July 69				August 70				September 71					
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	06		
Z3S3-4550	STB - ABWF Works (2nd fix with BS works)	90	15-Sep-25 A	06-May-26	31	STB - ABWF Works (2nd fix with BS works)																													
STB : E&M Installation																																			
STB E&M : Pump Room Floor @ -2.5mPD																																			
Jet Mixing System of Sludge Blenk Tank and Thickening Sludge Holding Tank No.2																																			
Z3S3-3980	STB - Jet Mixer c/w pipes and valves and Fittings x 4 Nos.	21	17-Jan-26 A	31-Mar-26	-38	STB - Jet Mixer c/w pipes and valves and Fittings x 4 Nos.																													
Z3S3-3990	STB - Nozzle x 3 Nos. (Working inside tanks)	21	17-Jan-26 A	31-Mar-26	-38	STB - Nozzle x 3 Nos. (Working inside tanks)																													
Z3S3-4000	STB - Leakage test - Combining Stoplogs / Penstocks	31	31-Mar-26	30-Apr-26	-48	STB - Leakage test - Combining Stoplogs / Penstocks																													
Jet Mixing System of Thickening Sludge Holding Tank No.1																																			
Z3S3-4060	STB - Jet Mixer c/w pipes and valves and Fittings x 2 Nos.	21	17-Jan-26 A	31-Mar-26	-36	STB - Jet Mixer c/w pipes and valves and Fittings x 2 Nos.																													
Z3S3-4070	STB - Nozzle x 2 Nos. (Working inside tanks)	21	17-Jan-26 A	31-Mar-26	-36	STB - Nozzle x 2 Nos. (Working inside tanks)																													
Z3S3-4080	STB - Leakage test - Combining Stoplogs / Penstocks	29	31-Mar-26	28-Apr-26	-46	STB - Leakage test - Combining Stoplogs / Penstocks																													
BS Installation (ELV, Ventilation, FS, PD)																																			
Z3S3-2860	STB - BS Installation (ELV, Ventilation, FS, PD) @ -1.5mPD	98	01-Sep-25 A	30-Apr-26	199	STB - BS Installation (ELV, Ventilation, FS, PD) @ -1.5mPD																													
STB E&M : Thickening Centrifuge Hall and Polymer Area@ +6.0mPD																																			
Polymer Preparation and Dosing System																																			
Z3S3-4180	STB - Polymer Transfer Pump and Dosing Pump c/w pipe, valves and fittings	22	29-Dec-25 A	28-Apr-26	-35	STB - Polymer Transfer Pump and Dosing Pump c/w pipe, valves and fittings																													
Pipeworks Installation @ +6.0mPD																																			
Z3S3-4240	STB - Plant Service Water System (PSW) Installation	14	21-Jan-26 A	31-Mar-26	-29	STB - Plant Service Water System (PSW) Installation																													
Z3S3-4250	STB - DO Duct and dampers installation	14	21-Jan-26 A	31-Mar-26	-15	STB - DO Duct and dampers installation																													
Z3S3-4260	STB - Ferric chloride dosing pipe installation	10	01-Apr-26	16-Apr-26	-25	STB - Ferric chloride dosing pipe installation																													
BS Installation (ELV, Ventilation, FS, PD)																																			
Z3S3-4270	STB - BS Installation (ELV, Ventilation, FS, PD) @ +6mPD	98	26-Jun-25 A	30-Apr-26	798	STB - BS Installation (ELV, Ventilation, FS, PD) @ +6mPD																													
STB E&M : Transformer Room @ +6.0mPD																																			
Z3S3-6430	STB - Energization & SAT of Transformer	35	10-Feb-26 A	25-Apr-26	-33	STB - Energization & SAT of Transformer																													
STB E&M : LV Switch Room and VFD Room @ +13.5mPD																																			
Z3S3-4340	STB - UPS System	24	02-Feb-26 A	26-Feb-26 A		STB - UPS System																													
Z3S3-3720	STB - Energization & SAT of LVSB	11	20-Apr-26	30-Apr-26	-48	STB - Energization & SAT of LVSB																													
Z3S3-4350	STB - Termination Works (TX to LVSB)	6	24-Apr-26	30-Apr-26	-37	STB - Termination Works (TX to LVSB)																													
STB E&M : DOU3 @+13.5mPD																																			
Z3S3-4280	STB - GRP Main Duct Installation	26	08-Dec-25 A	31-Mar-26	820	STB - GRP Main Duct Installation																													
Z3S3-4290	STB - Leakage Test	59	16-Feb-26 A	30-Apr-26	-33	STB - Leakage Test																													
Z3S3-4295	STB - Seeding for Bio-Trickling Filter of DOU3	58	31-Mar-26	27-May-26	-46	STB - Seeding for Bio-Trickling Filter of DOU3																													
STB E&M : Installation and Set-Up for SCADA System																																			
Z3S3-2815	STB - Installation of SCADA System (calibration,cabling,termination)	45	28-Feb-26 A	30-Apr-26	-37	STB - Installation of SCADA System (calibration,cabling,termination)																													
Z3S3-4370	STB - Set-Up for SCADA System (sys.mapping,network config.,GUI,PQEMS,IDEMS,CMOS)	45	02-May-26	25-Jun-26	104	STB - Set-Up for SCADA System (sys.mapping,network config.,GUI,PQEMS,IDEMS,CMOS)																													
STB E&M : Electrical works (Cable wiring, termination)																																			
Z3S3-2850	STB - Electrical works (Cable containment, cabling, LCP, termination)	25	20-Jan-26 A	30-Apr-26	-37	STB - Electrical works (Cable containment, cabling, LCP, termination)																													
STB External Pipeworks																																			
Z3S7-2100	STB - Temporary system and associated pipeworks for Location E to STB	21	01-Apr-26	29-Apr-26	-36	STB - Temporary system and associated pipeworks for Location E to STB																													
Z3S7-2120	STB - Temporary routing of power source for STB LVSB energization *for KD4	21	01-Apr-26	29-Apr-26	-36	STB - Temporary routing of power source for STB LVSB energization *for KD4																													
STB : Testing & Commissioning																																			
Phase 1- STB Sub-System Physical Dry Check																																			
Z3S3-2910	STB - T&C - Mechanical / Electrical - General Installation Checking, Setting Out Checking, Physical	24	02-May-26	30-May-26	-40	STB - T&C - Mechanical / Electrical - General Installation Checking, Setting Out Checking, Physical Checking, etc																													
Z3S3-4420	STB - T&C - Electrical - Megger Test	24	02-May-26	30-May-26	-40	STB - T&C - Electrical - Megger Test																													
Z3S3-4430	STB - T&C - SCADA- I/O Point Test	24	02-May-26	30-May-26	-40	STB - T&C - SCADA- I/O Point Test																													
Phase 2 - STB Sub-System Dry Function Test (Function, Protection, Interlock)																																			
Z3S3-2920	STB - T&C - Jet Mixing System of Sludge Blenk Tank and Thickening Sludge Holding Tank No.2	30	01-Jun-26	30-Jun-26	-49	STB - T&C - Jet Mixing System of Sludge Blenk Tank and Thickening Sludge Holding Tank No.2																													
Z3S3-4440	STB - T&C - Thickening Centrifuge Feed Pump c/w pipes and valves and fittings	30	01-Jun-26	30-Jun-26	-49	STB - T&C - Thickening Centrifuge Feed Pump c/w pipes and valves and fittings																													
Z3S3-4450	STB - T&C - Digester Feed Pump c/w pipes and valves and fittings	30	01-Jun-26	30-Jun-26	-49	STB - T&C - Digester Feed Pump c/w pipes and valves and fittings																													
Z3S3-4460	STB - T&C - Polymer Preparation and Dosing System	30	01-Jun-26	30-Jun-26	-49	STB - T&C - Polymer Preparation and Dosing System																													
Z3S3-4470	STB - T&C - Sludge Thickening and Discharge System	30	01-Jun-26	30-Jun-26	-49	STB - T&C - Sludge Thickening and Discharge System																													
Z3S3-4480	STB - T&C - DOU - 03 System	30	01-Jun-26	30-Jun-26	-49	STB - T&C - DOU - 03 System																													
Zone 3 Middle Portion (Z3M)																																			
Sludge Digester No. 4-6 (SD4-6)																																			
SD4-6 : Foundation and ELS																																			
SD4-6 : Sheetpiling																																			
Z3S8SD-2485	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, 1690m2@ -24.5mPD	56	16-Dec-25 A	11-Jun-26	-204	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, 1690m2@ -24.5mPD																													
Z3S8SD-2330	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, preboring 138 *0.46 = no@1no/d) - West Sic	47	09-Jan-26 A	20-Jun-26	-227	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, preboring 138 *0.46 = no@1no/d) - West Sic																													
Z3S8SD-2480	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, preboring 115 *0.46 = nos@1.3no/d) - Common Wall	47	13-Mar-26 A	28-May-26	-210	Sludge Digester No. 4-6 - Sheet Piles Install (Zone B, preboring 115 *0.46 = nos@1.3no/d) - Common Wall																													
Z3S8SD-2335	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, 1638m2 @-20.5mPD	56	19-Mar-26 A	06-Jul-26	-227	Sludge Digester No. 4-6 - Sheet Piles Install (Zone C, 1638m2 @-20.5mPD																													
Z3S8SD-2250	Sludge Digester No. 4-6 - Monitoring and pumping installation	18	18-Jun-26	10-Jul-26	-227	Sludge Digester No. 4-6 - Monitoring and pumping installation																													
Z3S8SD-2360	Sludge Digester No. 4-6 - Kingpost by preboring (6nos. 325m @ 3d/pile)	18	22-Jun-26	13-Jul-26	-212	Sludge Digester No. 4-6 - Kingpost by preboring (6nos. 325m @ 3d/pile)																													
Biogas Holder No. 2-4 (BH2-4)																																			
Biogas Holder No. 2-3 (BH2-3)																																			

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March					April					May					June					July					August					September				
						65					66					67					68					69					70					71				
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	06							
BH2 - E&M Installation																																								
ATALZ3BH-2535	BH No. 2 - Tank base plate installation and welding	21	12-Mar-26 A	11-Apr-26	-73																																			
ATALZ3BH-2545	BH No. 2 - Jack installation and top ring installation	22	13-Apr-26	08-May-26	-72																																			
ATALZ3BH-2555	BH No. 2 - Roof, crown ring and roof handrail construction	41	09-May-26	27-Jun-26	-73																																			
ATALZ3BH-2565	BH No. 2 - Tank wall (2nd to 3rd Ring) and tank mounting ring construction and welding	32	29-Jun-26	05-Aug-26	-77																																			
BH2 : Remaining E&M Installations																																								
ATALZ3BH-2050	BH No.2 - Installation of Biogas Booster Pump No.2 and Transfer Pump	90	27-Jun-26	13-Oct-26	225																																			
H2S Removal System (H2S) - Stage 1 (3 nos)																																								
H2S : E&M Installation																																								
H2S-149	H2S1 Removal System - E&M Handover	0	15-May-26		-126																																			
H2S-180	H2S1 Removal System - E&M Installation iron sponge unit c/w associated instrumentation	32	15-May-26	23-Jun-26	-126																																			
H2S-190	H2S1 Removal System - E&M Installation regeneration blower and water supply system	24	15-May-26	12-Jun-26	-46																																			
H2S-150	H2S1 Removal System - E&M Installation pipeworks and associated instrumentaion	36	24-Jun-26	05-Aug-26	-126																																			
H2S-155	H2S1 Removal System - Loading of Ferric Oxide	18	24-Jun-26	15-Jul-26	112																																			
Zone 3 South Portion (Z3S)																																								
Sludge Digester No. 1-3 (SD1-3)																																								
SD1-3 : Civil and Structural Works																																								
SD1-3 : Water Tightness Test																																								
Z3S3-5655	Sludge Digester No. 1 - Seal Openings + Strike formwork and falsework	2	03-Mar-26 A	05-Mar-26 A																																				
Z3S3-5600	Sludge Digester No. 1 - Water tightness test (SD1:water height=21.6m,fill water=7d,absorption=7d	24	06-Mar-26 A	20-Apr-26	-166																																			
Z3S3-5660	Sludge Digester No. 2 - Seal Openings + Strike formwork and falsework	2	16-Mar-26 A	18-Mar-26 A																																				
Z3S3-5610	Sludge Digester No. 2 - Water tightness test (SD2:water height=21.6m,fill water=7d,absorption=7d	24	18-Mar-26 A	02-May-26	-163																																			
Z3S3-5665	Sludge Digester No. 3 - Seal Openings + Strike formwork and falsework	2	26-Mar-26 A	28-Mar-26 A																																				
Z3S3-5620	Sludge Digester No. 3 - Water tightness test (SD3:water height=21.6m,fill water=7d,absorption=7d	24	29-Mar-26 A	13-May-26	-172																																			
SD1-3 : ABWF Works																																								
Z3S3-5630	Sludge Digester No. 1 - Lining at SD1(surface prep=2d,install=3d,testing=1d,clearance=2d)	10	21-Apr-26	02-May-26	-166																																			
Z3S3-5640	Sludge Digester No. 2 - Lining at SD2(surface prep=2d,install=3d,testing=1d,clearance=2d)	10	04-May-26	14-May-26	-126																																			
Z3S3-5650	Sludge Digester No. 3 - Lining at SD3(surface prep=2d,install=3d,testing=1d,clearance=2d)	10	14-May-26	26-May-26	-118																																			
SD1-3 : Backfill																																								
Z3S3-6380	Sludge Digester No. 1-3 - Waterproofing, remove formwork, backfill and remove Strut (For SD4-6 exc	21	14-May-26	08-Jun-26	-172																																			
Z3S3-5330	Sludge Digester No. 1-3 - Waterproofing(incl PP1), remove formwork, backfill and remove S4 and	14	17-Jun-26	04-Jul-26	-166																																			
SD1-3 : E&M Installation																																								
SD1 : E&M Installation																																								
Z3S3-2675	SDT No.1 - External Draft Tube - Lower	6	31-Jan-26 A	10-Feb-26 A																																				
Z3S3-2680	SDT No.1 - External Draft Tube and Heat Exchanger Installation - Upper	17	24-Feb-26 A	05-Mar-26 A																																				
Z3S3-2665	SDT No.1 - E&M 2nd Handover	0	04-May-26		-76																																			
Z3S3-2670	SDT No.1 - Internal Pipework and Drain Pipe Installation	30	05-May-26	09-Jun-26	-78																																			
Z3S3-2690	SDT No.1 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	30	05-May-26	09-Jun-26	-78																																			
Z3S3-2750	SDT No.1 - Instrumentation	30	05-May-26	09-Jun-26	-78																																			
Z3S3-2760	SDT No.1 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	30	05-May-26	09-Jun-26	-78																																			
Z3S3-3420	SDT No.1 - Installation and Set-Up for SCADA System	26	05-May-26	04-Jun-26	-74																																			
SD2 : E&M Installation																																								
Z3S3-6550	SDT No.2 - External Draft Tube - Lower	6	31-Jan-26 A	06-Mar-26 A																																				
Z3S3-6560	SDT No.2 - External Draft Tube and Heat Exchanger Installation - Upper	17	07-Mar-26 A	18-Mar-26 A																																				
Z3S3-6590	SDT No.2 - E&M 2nd Handover	0	15-May-26		-126																																			
Z3S3-6570	SDT No.2 - Internal Pipework and Drain Pipe Installation	26	16-May-26	16-Jun-26	-86																																			
Z3S3-6580	SDT No.2 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	26	16-May-26	16-Jun-26	-86																																			
Z3S3-6600	SDT No.2 - Instrumentation	26	16-May-26	16-Jun-26	-86																																			
Z3S3-6610	SDT No.2 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	26	16-May-26	16-Jun-26	-86																																			
Z3S3-6620	SDT No.2 - Installation and Set-Up for SCADA System	26	16-May-26	16-Jun-26	-84																																			
SD3 : E&M Installation																																								
Z3S3-4590	SDT No.3 - External Draft Tube - Lower	6	06-Mar-26 A	20-Mar-26 A																																				
Z3S3-4595	SDT No.3 - External Draft Tube and Heat Exchanger Installation - Upper	21	21-Mar-26 A	28-Mar-26 A																																				
Z3S3-5555	SDT No.3 - E&M 2nd Handover	0	27-May-26		-150																																			
Z3S3-4580	SDT No.3 - Internal Pipework and Drain Pipe Installation	26	28-May-26	27-Jun-26	-119																																			
Z3S3-4600	SDT No.3 - Roof (Sludge Infeed Pipe, Biogas Pipe, Inspection Window, Gas Take-Off Dome, Teles	27	29-Jun-26	30-Jul-26	-121																																			
Z3S3-4610	SDT No.3 - Instrumentation	27	29-Jun-26	30-Jul-26	-121																																			
Z3S3-4620	SDT No.3 - Electrical Works (Cable wiring, Termination, Lightning Arrestor System)	27	29-Jun-26	30-Jul-26	-121																																			
Z3S3-4640	SDT No.3 - Installation and Set-Up for SCADA System	26	29-Jun-26	29-Jul-26	-119																																			
SD1-2 : External Pipeworks for Early Commissioning																																								
SD1-2 : T&C Phase 1 Pre-requisites																																								
Z3S3-4670	SDT No.1-2 - T&C - Pre-requisites - Diversion of Power Supply from Existing Switch room	30	12-May-26	16-Jun-26	-84																																			
Z3S3-4710	SDT No.1-2 - T&C - Pre-requisites - Diversion of Signal Cable to New SCADA System in Temp Adn	30	24-Jun-26	29-Jul-26	-119																																			
SD1-2 : T&C Phase 2 & 3 Pre-requisites																																								

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	March 65					April 66					May 67					June 68					July 69					August 70					September 71
						01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14	21	28	05	12	19	26	02	09	16	23	30	06			
Z3S3-4720	SDT No.1-2 - T&C - Pre-requisites - Temporary water sources (41m3/hr for digester filling)	30	12-May-26	16-Jun-26	-38																															
SD1-2 : Testing & Commissioning																																				
SD1-2 : T&C Phase 1 - SDT Sub-system Physical Check																																				
Z3S3-4650	SDT No.1-2 - T&C - Electrical - Megger Test	23	17-Jun-26	15-Jul-26	-82																															
Utility Corridor and Pipe Portal (UC/PP)																																				
Pipe Portal No. 1 (PP1) (Construct with SD1-3)																																				
PP1 : Civil and Structural Works																																				
Z3S5-2180	PP 1 - Backfill (-9.0 to -6.25mPD)	8	04-May-26	12-May-26	-166																															
Z3S5UC1-2210	UC/PP - Plate Load Test (UC&PP-PLTP4)	5	13-May-26	18-May-26	-166																															
Z3S5-2010	PP 1 - Structure (-6.25 to -4.85mPD, Base Slab)	12	19-May-26	02-Jun-26	-166																															
Z3S5-2020	PP 1 - Structure (-4.85 to -3.2mPD)	12	03-Jun-26	16-Jun-26	-166																															

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
YLEPP - E&M Works for SDB, ADB & Renewable Energy Facilities for Stage1_3MRP													
Contract Data													
Starting Date & Completion Date													
CD-1020	Whole Contract Period (1650 days after starting date)	233	14-Jun-22	19-Dec-26	14-Jun-22 A	19-Dec-26	0	85.88%					
Access Date													
CD-AD1010	Early Access Date for Portion 1	0	01-Feb-26		01-May-26		662	0%					
CD-AD1020	Late Access to Portion 1 - Sludge Thickening Building (1578 calendar days from starting date)	160	13-Jun-22	07-Oct-26	13-Jun-22 A	07-Oct-26	502	89.86%					
CD-AD1090	Early Access Date for Portion 3	0	01-Feb-26		01-May-26		662	0%					
CD-AD1100	Late Access to Portion 3 - Sludge Dewatering Building (Within 1231 calendar days from starting date)	1	13-Jun-22	25-Oct-25	13-Jun-22 A	01-May-26	661	99.92%					
CD-AD1110	Late Access Date for Portion 3	0	01-Feb-26		01-May-26		662	0%					
CD-AD1130	Early Access Date for Portion 4	0	01-Feb-26		01-May-26		662	0%					
CD-AD1140	Late Access to Portion 4 - Administration Building (Within 1370 calendar days from starting date)	1	13-Jun-22	13-Mar-26	13-Jun-22 A	01-May-26	661	99.93%					
CD-AD1150	Late Access Date for Portion 4	0	13-Mar-26		01-May-26		662	0%					
CD-AD1160	Early Access to Portion 5 - Mainstream Bio-Reactor Building (Within 1346 calendar days from starting date)	1	13-Jun-22	17-Feb-26	13-Jun-22 A	01-May-26	661	99.93%					
CD-AD1170	Early Access Date for Portion 5	0	17-Feb-26		01-May-26		662	0%					
CD-AD1180	Late Access to Portion 5 - Mainstream Bio-Reactor Building (Within 1451 calendar days from starting date)	33	13-Jun-22	02-Jun-26	13-Jun-22 A	02-Jun-26	629	97.73%					
CD-AD1190	Late Access Date for Portion 5	0	02-Jun-26		02-Jun-26		630	0%					
CD-AD1200	Early Access to Portion 6 - Primary Sedimentation Tanks (Within 1374 calendar days from starting date)	1	13-Jun-22	17-Mar-26	13-Jun-22 A	01-May-26	661	99.93%					
CD-AD1210	Early Access Date for Portion 6	0	17-Mar-26		01-May-26		662	0%					
CD-AD1220	Late Access to Portion 6 - Primary Sedimentation Tanks (Within 1520 calendar days from starting date)	102	13-Jun-22	10-Aug-26	13-Jun-22 A	10-Aug-26	560	93.29%					
Planned Date													
Planned Access Date													
PD-AD1000	Planned Early Access Date for Portion 1 - Sludge Thickening Building	0	01-Feb-26		01-May-26		162	0%					
PD-AD1040	Planned Early Access Date for Portion 3 - Sludge Dewatering Building	0	01-Feb-26		01-May-26		-294	0%					
PD-AD1050	Planned Late Access Date for Portion 3 - Sludge Dewatering Building	0	01-Feb-26		01-May-26		-294	0%					
PD-AD1060	Planned Early Access Date for Portion 4 - Administration Building	0	01-Feb-26		01-May-26		-46	0%					
PD-AD1070	Planned Late Access Date for Portion 4 - Administration Building	0	13-Mar-26		01-May-26		-46	0%					
PD-AD1080	Planned Early Access Date for Portion 5 - Mainstream Bio-Reactor Building	0	17-Feb-26		01-May-26		32	0%					
PD-AD1090	Planned Late Access Date for Portion 5 - Mainstream Bio-Reactor Building	0	02-Jun-26		02-Jun-26		0	0%					
PD-AD1100	Planned Early Access Date for Portion 6 - Primary Sedimentation Tanks	0	17-Mar-26		01-May-26		120	0%					
PD-AD1120	Planned Early Access Date for CLPSS / 11kV Switchroom	0	01-Feb-26		01-May-26		111	0%					
PD-AD1130	Planned Late Access Date for CLPSS / 11kV Switchroom	0	01-Feb-26		01-May-26		111	0%					
Preliminaries													
BEAM Plus													
P-1190	Application to BEAM Society & provide ProvisionalAssessment (PA) report	80	01-May-25	09-Aug-26	15-Apr-25 A	29-Jul-26	-372	82.83%					
Section 1 - Comprises design, supply, delivery, installation, T&C of PV System of YLEPP													
Technical Submission & Approval													
DDA Submission													
PV System (DDA001A)													
S1-DDA-1030	Review & Approval of DDA Design of PV system	30	01-Sep-25	10-Oct-25	09-Jan-26 A	30-May-26	-140	78.87%					
PV System for canopy area (DDA001B)													
S1-DDA-1060	Re-submission of DDA Design of PV system (Canopy Type)	0			07-Feb-26 A	30-Apr-26 A		100%					
S1-DDA-1070	Review & Approval of DDA Design of PV system (Canopy Type)	30	10-Feb-26	21-Mar-26	01-May-26	30-May-26	72	0%					
Ramp and Shelter for PV System (DDA001C)													
S1-DDA-1080	Prepare & Submission of DDA Design of Ramp and Shelter for PV System	0	01-Oct-25	06-Mar-26	17-Sep-25 A	10-Apr-26 A		100%					
S1-DDA-1110	Review & Approval of DDA Design of Ramp and Shelter for PV System	35	21-Feb-26	30-Apr-26	11-Apr-26 A	04-Jun-26	74	36.36%					
Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB (DDA001 D)													
S1-DDA-1120	Prepare & Submission of DDA Design of Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB	46	01-Dec-25	15-May-26	01-Nov-25 A	15-Jun-26	33	72.29%					

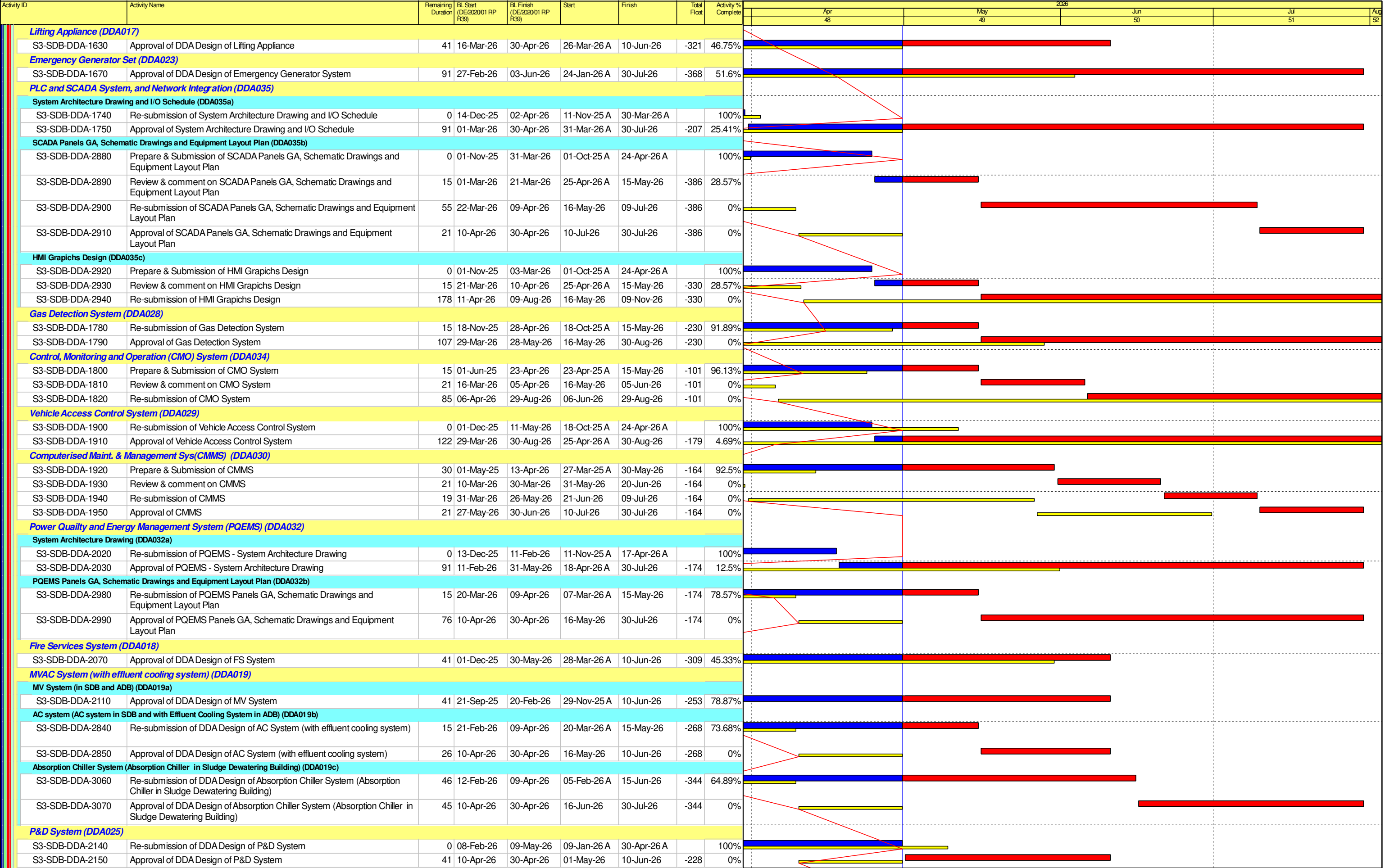
Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
S1-DDA-1150	Review & Approval of Lighting Layout for Roof Floor in IW, PST, AGS, TTB, STB	30	25-Jun-26	15-Jul-26	16-Jun-26	15-Jul-26	33	0%					
Plant & Material Submission													
Smart Sun Tracking and Automatic Collapse and Expand Solar PV System (EL002)													
S1-PMS-1150	Review & Approval of Smart Sun Tracking & Automatic Collapse & Expand Solar PV System	102	11-Nov-25	19-Jul-26	18-Mar-26 A	10-Aug-26	-161	30.14%					
SAT / T&C Procedure													
S1-SAT-1000	Prepare & Submission of SAT / T&C Procedure (with Test Form) of PV System	60	01-Feb-26	01-Apr-26	01-May-26	29-Jun-26	8	0%					
S1-SAT-1010	Review & Comment on SAT / T&C Procedure (with Test Form) of PV System	30	02-Apr-26	01-May-26	30-Jun-26	29-Jul-26	8	0%					
Manufacture, FAT & Delivery of Major Equipment (Inc. PV Panel, Power Optimizer, Switchgear, etc...)													
Portion 1 - Sludge Thickening Building													
S1-STB-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - STB	61	30-Apr-26	30-Oct-26	01-Jun-26*	31-Jul-26	84	0%					
S1-STB-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - STB	61	17-Apr-26	14-Oct-26	30-May-26*	29-Jul-26	72	0%					
Portion 2 - Inlet Works													
S1-IW-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - IW	61	10-Feb-26	10-Aug-26	01-Jun-26*	31-Jul-26	-3	0%					
S1-IW-MD-1020	Manufacture with FAT (months) & Delivery(1 month) of Support Framework - IW	61	10-Mar-26	07-Sep-26	30-May-26*	29-Jul-26	-110	0%					
Portion 3 - Sludge Dewatering Building - Sludge Dewatering & Drying System													
S1-SDB-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - SDB	61	17-Jun-26	15-Dec-26	10-Jun-26*	09-Aug-26	-29	0%					
S1-SDB-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - SDB	61	10-Mar-26	06-Sep-26	10-Jun-26*	09-Aug-26	-121	0%					
Portion 6 - Primary Sedimentation Tanks													
S1-PST-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel - PST	61	16-Apr-26	14-Oct-26	10-Jun-26*	09-Aug-26	19	0%					
S1-PST-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - PST	61	13-Mar-26	09-Sep-26	10-Jun-26*	09-Aug-26	19	0%					
CLP Substation													
S1-CLP-MD-1000	Manufacture with FAT (1 months) & Delivery(1 month) of PV Panel of PV Panel - CLP	61	02-Apr-26	30-Sep-26	01-Jun-26*	31-Jul-26	19	0%					
S1-CLP-MD-1020	Manufacture with FAT (1 months) & Delivery(1 month) of Support Framework - CLP	61	10-Mar-26	06-Sep-26	30-May-26*	29-Jul-26	21	0%					
Interfacing Works													
S1-IFW-1010	Design Submission with interface works for LV switchboard interfacing arrangement for Renewable Energy	90	18-Feb-26	18-May-26	31-May-26	28-Aug-26	-140	0%					
S1-IFW-1040	Cleansing point for PV panel cleansing at roof floor (STB, IW, PST, MBR, SDB & CLP)	90	18-Feb-26	18-May-26	31-May-26	28-Aug-26	-140	0%					
Section 2 - Comprises design, supply, delivery, installation, T&C of BS works of Admin. Building													
Technical Submission & Approval													
Subletting													
Fire Services System													
S2-ADB-SUB-1000	Tendering of FS System subcontractor	20	01-Dec-23	28-Feb-26	23-Nov-23 A	20-May-26	-258	97.8%					
S2-ADB-SUB-1010	Engagement of FS System subcontractor	31	21-Feb-26	23-Mar-26	21-May-26	20-Jun-26	-258	0%					
MVAC System													
S2-ADB-SUB-1020	Tendering of MV System subcontracting	20	01-Jun-24	28-Feb-26	24-May-24 A	20-May-26	-284	97.25%					
S2-ADB-SUB-1030	Engagement of MV System subcontracting	30	21-Feb-26	23-Mar-26	21-May-26	19-Jun-26	-284	0%					
S2-ADB-SUB-1200	Tendering of AC System subcontracting	20	01-Jun-24	09-Dec-24	13-Aug-25 A	20-May-26	-323	92.88%					
S2-ADB-SUB-1210	Engagement of AC System subcontracting	30	21-Feb-26	23-Mar-26	21-May-26	19-Jun-26	-323	0%					
Electrical System													
S2-ADB-SUB-1080	Tendering of Electrical System (BS)	10	04-Jul-24	31-Mar-26	04-Jun-24 A	10-May-26	-247	98.58%					
S2-ADB-SUB-1090	Engagement of Electrical System (BS)	30	02-Mar-26	01-Apr-26	11-May-26	09-Jun-26	-247	0%					
P&D System													
S2-ADB-SUB-1120	Tendering of P&D System	10	01-Oct-24	09-Apr-26	01-Sep-24 A	10-May-26	-125	98.38%					
S2-ADB-SUB-1130	Engagement of P&D System	30	11-Mar-26	10-Apr-26	11-May-26	09-Jun-26	-125	0%					
CCTV, ACS and Security System													
S2-ADB-SUB-1140	Tendering of CCTV, ACS & Security system	71	01-Oct-24	12-Mar-26	01-Sep-24 A	10-Jul-26	-176	89.53%					
S2-ADB-SUB-1150	Engagement of CCTV, ACS & Security system	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-176	0%					
Radio Communication, Telephone & PA System													
S2-ADB-SUB-1160	Tendering of Radib Communication, Telephone & PA System	71	01-Oct-24	12-Mar-26	01-Sep-24 A	10-Jul-26	-168	89.53%					
S2-ADB-SUB-1170	Engagement of Radio Communication, Telephone & PA System	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-168	0%					

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Ju 51	Aug 52
DDA Submission													
Civil Requirement (DDA037)													
S2-ADB-CR-1090	Review & comment on civil requirement & general arrangement drawing of Administration Building	0	14-Feb-26	06-Mar-26	20-Mar-26 A	10-Apr-26 A		100%					
S2-ADB-CR-1100	Re-submission of civil requirement & general arrangement drawing of Administration Building	5	07-Mar-26	09-Jan-27	11-Apr-26 A	05-May-26	-92	98.18%					
S2-ADB-CR-1110	Approval of civil requirement & general arrangement drawing of Administration Building	41	10-Jan-27	30-Jan-27	06-May-26	15-Jun-26	-92	0%					
Fire Services System (DDA018)													
S2-ADB-DDA-1030	Approval of DDA Design of FS System	41	01-Dec-25	30-May-26	28-Mar-26 A	10-Jun-26	-168	45.33%					
MVAC System (with effluent cooling system) (DDA019)													
MV System (in SDB and ADB) (DDA019a)													
S2-ADB-DDA-1070	Approval of DDA Design of MV System	41	21-Sep-25	20-Feb-26	29-Nov-25 A	10-Jun-26	-163	78.87%					
AC system (AC system in SDB and with Effluent Cooling System in ADB) (DDA019b)													
S2-ADB-DDA-1580	Re-submission of DDA Design of AC System (with effluent cooling system)	15	21-Feb-26	09-Apr-26	20-Mar-26 A	15-May-26	-163	73.68%					
S2-ADB-DDA-1590	Approval of DDA Design of AC System (with effluent cooling system)	26	10-Apr-26	30-Apr-26	16-May-26	10-Jun-26	-163	0%					
Electrical System													
Electrical System - Single Line Diagram of Electrical System (DDA021A)													
S2-ADB-DDA-1150	Approval of DDA Design of Single Line Diagram	0	21-Sep-25	26-Nov-25	24-Dec-25 A	02-Apr-26 A		100%					
Electrical System - LV Power Distribution System (DDA021B)													
S2-ADB-DDA-1340	Re-submission of DDA Design of LV Power Distribution System	15			10-Mar-26 A	15-May-26	-250	75.41%					
S2-ADB-DDA-1350	Approval of DDA Design of LV Power Distribution System	30	14-Feb-26	06-Mar-26	16-May-26	14-Jun-26	-250	0%					
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)													
S2-ADB-DDA-1360	Prepare & Submission of DDA Design of Control Wiring Diagram for LV Switchboard	0	01-Jan-25	22-Mar-26	10-Dec-24 A	15-Apr-26 A		100%					
S2-ADB-DDA-1390	Approval of DDA Design of Control Wiring Diagram for LV Switchboard	30	01-Mar-26	21-Mar-26	16-Apr-26 A	30-May-26	-235	33.33%					
Building Services Electrical System													
Building Services Electrical System - Lighting System of SDB & ADB (DDA024A)													
S2-ADB-DDA-1190	Approval of DDA Design of Lighting system	91	21-Dec-25	22-Sep-26	13-Feb-26 A	30-Jul-26	-108	45.83%					
Building Services Electrical System - Small Power System of SDB & ADB (DDA024B)													
S2-ADB-DDA-1460	Re-submission of DDA Design of Small Power System	0	01-Jul-25	12-Dec-25	24-May-25 A	30-Mar-26 A		100%					
S2-ADB-DDA-1470	Approval of DDA Design of Small Power System	91	06-Dec-25	08-May-26	31-Mar-26 A	30-Jul-26	-108	25.41%					
Building Services Electrical System - Cable Containment (DDA024C)													
S2-ADB-DDA-1510	Approval of DDA Design of Cable Containment	91	07-Feb-26	30-Apr-26	07-Feb-26 A	30-Jul-26	-108	47.7%					
Building Services Electrical System - Lighting Control System (DDA024D)													
S2-ADB-DDA-1550	Approval of DDA Design of Lighting Control System	91	21-Mar-26	30-May-26	26-Feb-26 A	30-Jul-26	-108	41.29%					
Building Services Electrical System - Master Electrical Installation Details (DDA024E)													
S2-ADB-DDA-1620	Re-submission of DDA Design of Master Electrical Installation Details	50	14-Feb-26	09-Apr-26	14-Feb-26 A	19-Jun-26	-137	45.05%					
S2-ADB-DDA-1630	Approval of DDA Design of Master Electrical Installation Details	41	10-Apr-26	30-Apr-26	20-Jun-26	30-Jul-26	-137	0%					
P&D System (DDA025)													
S2-ADB-DDA-1220	Re-submission of DDA Design of P&D System	0	23-Mar-26	21-Jun-26	09-Jan-26 A	30-Apr-26 A		100%					
S2-ADB-DDA-1230	Approval of DDA Design of P&D System	41	10-Apr-26	30-Apr-26	01-May-26	10-Jun-26	-133	0%					
CCTV, ACS & Security system (DDA026)													
S2-ADB-DDA-1260	Re-submission of DDA Design of CCTV, ACS & Security system	0	11-Dec-25	17-May-26	22-Oct-25 A	30-Apr-26 A		100%					
S2-ADB-DDA-1270	Approval of DDA Design of CCTV, ACS & Security system	122	29-Mar-26	30-Aug-26	01-May-26	30-Aug-26	-208	0%					
Radio Communication System, Telephone System & PA System (DDA027)													
S2-ADB-DDA-1280	Prepare & Submission of DDA Design of Radio Communication, Telephone & PA System	0	01-May-25	02-May-26	27-Mar-25 A	23-Apr-26 A		100%					
S2-ADB-DDA-1290	Review & comment on DDA Design of Radio Communication, Telephone & PA System	14	29-Mar-26	18-Apr-26	24-Apr-26 A	14-May-26	-200	33.33%					
S2-ADB-DDA-1300	Re-submission of DDA Design of Radio Communication, Telephone & PA System	87	19-Apr-26	09-Aug-26	15-May-26	09-Aug-26	-200	0%					
Plant & Material Submission													
MVAC System													
Dehumidifier (BS001) (Combined in ME020)													
S2-ADB-PMS-1000	Prepare & Submission of Dehumidifier	0	01-Nov-25	28-Mar-26	01-Oct-25 A	31-Mar-26 A		100%					
S2-ADB-PMS-1002	Review & comment on Dehumidifier	0			01-Apr-26 A	17-Apr-26 A		100%					
S2-ADB-PMS-1004	Re-submission of Dehumidifier	20			18-Apr-26 A	20-May-26	-103	39.39%					
S2-ADB-PMS-1010	Review & Approval of Dehumidifier	63	26-Feb-26	10-May-26	21-May-26	22-Jul-26	-103	0%					
Prefilter and After filter (BS002) (Combined in ME020)													
S2-ADB-PMS-1320	Prepare & Submission of Prefilter and After Filter	0	01-Nov-25	28-Mar-26	01-Oct-25 A	31-Mar-26 A		100%					

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
S2-ADB-PMS-1322	Review & comment on Prefilter and After Filter	0			01-Apr-26 A	17-Apr-26 A		100%					
S2-ADB-PMS-1324	Re-submission of Prefilter and After Filter	20			18-Apr-26 A	20-May-26	-103	39.39%					
S2-ADB-PMS-1330	Review & Approval of Prefilter and After Filter	63	26-Feb-26	10-May-26	21-May-26	22-Jul-26	-103	0%					
Axial/Propeller/Centrifugal/ Jet Fan (BS003)													
S2-ADB-PMS-1380	Re-submission of Axial/Propeller/Centrifugal/ Jet Fan	15	05-Jan-26	08-Mar-26	16-Dec-25 A	15-May-26	-285	90.07%					
S2-ADB-PMS-1390	Review & Approval of Axial/Propeller/Centrifugal/ Jet Fan	36	17-Feb-26	24-Apr-26	16-May-26	20-Jun-26	-285	0%					
Volume Control/Fire Damper, Louver, Griller and Air Ductwork (BS004)													
S2-ADB-PMS-1420	Re-submission of Volume Control/Fire Damper, Louver, Griller and Air Ductwork	15	20-Feb-26	19-Apr-26	10-Jan-26 A	15-May-26	-285	88.1%					
S2-ADB-PMS-1430	Review & Approval of Volume Control/Fire Damper, Louver, Griller and Air Ductwork	36	10-Mar-26	20-Apr-26	16-May-26	20-Jun-26	-285	0%					
Acoustic Silencer (BS005)													
S2-ADB-PMS-1460	Re-submission of Acoustic Silencer	15	11-Feb-26	17-Mar-26	07-Jan-26 A	15-May-26	-324	88.37%					
S2-ADB-PMS-1470	Review & Approval of Acoustic Silencer	36	11-Feb-26	20-Apr-26	16-May-26	20-Jun-26	-324	0%					
Absorption Chiller (BS006)													
S2-ADB-PMS-1500	Re-submission of Absorption Chiller	50	12-Feb-26	09-Apr-26	04-Feb-26 A	19-Jun-26	-385	62.96%					
S2-ADB-PMS-1510	Review & Approval of Absorption Chiller	62	10-Apr-26	30-Apr-26	20-Jun-26	20-Aug-26	-385	0%					
Outdoor and Indoor Unit (BS007)													
S2-ADB-PMS-1520	Prepare & Submission of Outdoor and indoor Unit	15	01-Nov-25	11-Feb-26	25-Oct-25 A	15-May-26	-324	91.57%					
S2-ADB-PMS-1550	Review & Approval of Outdoor and indoor Unit	36	31-Mar-26	20-Apr-26	16-May-26	20-Jun-26	-324	0%					
Air Ductwork and Accessories for MVAC System (BS027)													
S2-ADB-PMS-3320	Re-submission of Air Ductwork and Accessories for MVAC System	15	07-Jan-26	10-Feb-26	07-Jan-26 A	15-May-26	-324	87.5%					
S2-ADB-PMS-3330	Review & Approval of Air Ductwork and Accessories for MVAC System	36	11-Feb-26	20-Apr-26	16-May-26	20-Jun-26	-324	0%					
P&D System													
FRP Water Tank (BS008)													
S2-ADB-PMS-2860	Prepare & Submission of FRP Water Tank	0	01-Jan-26	11-Mar-26	01-Jan-26 A	23-Apr-26 A		100%					
S2-ADB-PMS-2870	Review & comment on FRP Water Tank	14	26-Feb-26	18-Mar-26	24-Apr-26 A	14-May-26	-153	33.33%					
S2-ADB-PMS-2880	Re-submission of FRP Water Tank	26	19-Mar-26	19-Apr-26	15-May-26	09-Jun-26	-153	0%					
S2-ADB-PMS-2890	Review & Approval of FRP Water Tank	21	20-Apr-26	10-May-26	10-Jun-26	30-Jun-26	-153	0%					
Plumbing system Pump Set (BS009A)													
S2-ADB-PMS-2920	Re-submission of Plumbing system Pump Set	15	21-Jan-26	22-Apr-26	29-Nov-25 A	15-May-26	-153	88.72%					
S2-ADB-PMS-2930	Review & Approval of Plumbing system Pump Set	46	01-Mar-26	10-May-26	16-May-26	30-Jun-26	-153	0%					
Plumbing system Pump Set (EL-Panel) (BS009B)													
S2-ADB-PMS-3180	Prepare & Submission of Plumbing system Pump Set (EL-panel)	0	01-Jan-26	11-Mar-26	18-Dec-25 A	22-Apr-26 A		100%					
S2-ADB-PMS-3190	Review & comment on Plumbing system Pump Set (EL-panel)	13	26-Feb-26	18-Mar-26	23-Apr-26 A	13-May-26	-153	38.1%					
S2-ADB-PMS-3200	Re-submission of Plumbing system Pump Set (EL-panel)	21	19-Mar-26	19-Apr-26	14-May-26	03-Jun-26	-153	0%					
S2-ADB-PMS-3210	Review & Approval of Plumbing system Pump Set (EL-panel)	27	20-Apr-26	10-May-26	04-Jun-26	30-Jun-26	-153	0%					
Plumbing System (Pressure Vessel) (BS011)													
S2-ADB-PMS-3000	Re-submission of Pneumatic Tank / Pressure Vessel	15	16-Feb-26	23-Mar-26	06-Jan-26 A	15-May-26	-153	84.21%					
S2-ADB-PMS-3010	Review & Approval of Pneumatic Tank / Pressure Vessel	46	11-Feb-26	10-May-26	16-May-26	30-Jun-26	-153	0%					
Pipes and Fittings for Plumbing System (BS013A)													
S2-ADB-PMS-3060	Prepare & Submission of Pipes and Fittings for Plumbing and Drainage System	15	01-Jan-26	11-Mar-26	18-Dec-25 A	15-May-26	-153	89.93%					
S2-ADB-PMS-3090	Review & Approval of Pipes and Fittings for Plumbing and Drainage System	46	20-Apr-26	10-May-26	16-May-26	30-Jun-26	-153	0%					
Valves for Plumbing System (BS013C)													
S2-ADB-PMS-3380	Prepare & Submission of Valves for Plumbing and Drainage System	15	01-Jan-26	11-Mar-26	18-Dec-25 A	15-May-26	-153	89.93%					
S2-ADB-PMS-3410	Review & Approval of Valves for Plumbing and Drainage System	46	20-Apr-26	10-May-26	16-May-26	30-Jun-26	-153	0%					
Drainage system Pump Set (Submersible Sewage pump) (BS015)													
S2-ADB-PMS-3160	Re-submission of Drainage system Pump Set (Submersible Sewage pump)	15	13-Jan-26	31-Mar-26	13-Dec-25 A	15-May-26	-238	90.26%					
S2-ADB-PMS-3170	Review & Approval of Drainage system Pump Set (Submersible Sewage pump)	46	01-Mar-26	10-May-26	16-May-26	30-Jun-26	-238	0%					
FS System													
Fire Service Pump Set (Fixed Sprinkler, Fire and Jockey Pumps) (BS016A)													
S2-ADB-PMS-1110	Review & Approval of FS System - Fire Service Pump Set	81	21-Feb-26	20-Apr-26	28-Feb-26 A	20-Jul-26	-257	43.36%					
Fire Service Pump Set (EL-Panel) (BS016B)													
S2-ADB-PMS-3220	Prepare & Submission of FS System - Fire Service Pump Set (EL Panel)	37	01-May-25	04-Aug-25	01-Nov-25 A	06-Jun-26	-235	77.71%					
S2-ADB-PMS-3250	Review & Approval of FS System - Fire Service Pump Set (EL Panel)	44	31-Mar-26	20-Apr-26	07-Jun-26	20-Jul-26	-235	0%					
Pipes, Fittings, Valves for Fire Service Installation (BS017)													
S2-ADB-PMS-3260	Prepare & Submission of Pipe, fittings, valves for FS Installation	37	01-May-25	04-Aug-25	01-Nov-25 A	06-Jun-26	-257	77.71%					
S2-ADB-PMS-3290	Review & Approval of Pipe, fittings, valves for FS Installation	44	31-Mar-26	20-Apr-26	07-Jun-26	20-Jul-26	-257	0%					

Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Ju 51	Aug 52
Radio Communication, Telephone System and Public Address System (BS024)													
S2-ADB-PMS-1200	Prepare & Submission of Radio Communication, Telephone System and Public Address System	0	01-May-25	14-Apr-26	27-Mar-25 A	27-Apr-26 A		100%					
S2-ADB-PMS-1210	Review & comment on Radio Communication, Telephone System and Public Address System	18			28-Apr-26 A	18-May-26	-113	14.29%					
S2-ADB-PMS-1220	Re-submission of Radio Communication, Telephone System and Public Address System	124			19-May-26	19-Sep-26	-113	0%					
CCTV , ACS & Security System (BS025)													
S2-ADB-PMS-1300	Re-submission of CCTV, ACS & Security System	0	11-Nov-25	28-Mar-26	07-Jun-25 A	27-Apr-26 A		100%					
S2-ADB-PMS-1310	Review & Approval of CCTV, ACS & Security System	163	26-Nov-25	15-May-26	28-Apr-26 A	10-Oct-26	-178	1.81%					
Method Statement													
Fire Services System													
S2-ADB-MS-1000	Prepare & Submission of method statement of installation of FS system	25	01-Jun-26	25-Jun-26	11-Jun-26	05-Jul-26	-168	0%					
S2-ADB-MS-1010	Review & comment on method statement of installation of FS system	21	26-Jun-26	16-Jul-26	06-Jul-26	26-Jul-26	-168	0%					
S2-ADB-MS-1020	Re-submission of method statement of installation of FS system	21	17-Jul-26	06-Aug-26	27-Jul-26	16-Aug-26	-168	0%					
MVAC System (with effluent cooling system)													
S2-ADB-MS-1040	Prepare & Submission of method statement of installation of MVAC System (with effluent cooling system)	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-163	0%					
S2-ADB-MS-1050	Review & comment on method statement of installation of MVAC System (with effluent cooling system)	21	31-May-26	20-Jun-26	11-Jul-26	31-Jul-26	-163	0%					
P&D System													
S2-ADB-MS-1200	Prepare & Submission of method statement of installation of P&D System	30	26-May-26	24-Jun-26	01-Jul-26	30-Jul-26	-153	0%					
Manufacture, FAT & Delivery of Major Equipment													
S2-ADB-MD-1000	Manufacture with FAT (4 months) & Delivery(1 month) of FS Pumps	154	21-Apr-26	19-Oct-26	20-Jul-26	20-Dec-26	-257	0%					
S2-ADB-MD-1010	Manufacture with FAT (4 months) & Delivery(1 month) of AFA Panel	154	20-Apr-26	18-Oct-26	20-Jul-26	20-Dec-26	-235	0%					
S2-ADB-MD-1050	Manufacture with FAT(4 months) & Delivery(1 month) of MV System	215	24-Apr-26	24-Nov-26	20-Jun-26	20-Jan-27	-285	0%					
S2-ADB-MD-1070	Manufacture with FAT (2 months) & Delivery(1 month) of P&D Pumps	93	10-May-26	10-Aug-26	30-Jun-26	30-Sep-26	-238	0%					
Interfacing Works													
S2-ADB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	46	15-Dec-22	14-Oct-24	01-Apr-25 A	15-Jun-26	-92	89.57%					
S2-ADB-IFW-1020	Design Submission with Interface Works on Provision in LV Switchroom in ADB	90	01-Feb-26	01-May-26	01-May-26	29-Jul-26	-295	0%					
S2-ADB-IFW-1030	Design Submission with Interface Works on Effluent Supply for Effluent Cooling System	6	01-May-25	18-Apr-26	19-Apr-25 A	06-May-26	-26	98.3%					
S2-ADB-IFW-1040	Design Submission with Interface Works on Street Fire Hydrant Water Main & Pumping System	90	01-Feb-26	01-May-26	01-May-26	29-Jul-26	-129	0%					
S2-ADB-IFW-1050	Design Submission with Interface Works on Plumbing & Drainage	55	01-Dec-25	10-Mar-27	15-Feb-25 A	24-Jun-26	-147	88.17%					
S2-ADB-IFW-1060	Design Submission with Interface Works on BEAM Plus	90	26-Apr-26	24-Jul-26	01-May-26	29-Jul-26	-372	0%					
Section 3 - Design, supply, delivery, installation, T&C of Sludge Dewatering and Drying System													
Technical Submission & Approval													
Subletting													
Sludge Dewatering System													
S3-SDB-SUB-1120	Tendering of Instrument Air System	30	01-Oct-25	29-Mar-26	30-Sep-25 A	30-May-26	-51	87.65%					
S3-SDB-SUB-1130	Engagement of Instrument Air System	31	29-Mar-26	28-Apr-26	31-May-26	30-Jun-26	-51	0%					
S3-SDB-SUB-1170	Engagement of Wet Sludge Hopper and Dried Sludge Silo	0	01-Mar-26	31-Mar-26	27-Jan-26 A	02-Apr-26 A		100%					
Air Purifying System with Disinfection													
S3-SDB-SUB-1340	Tendering of Air Purification System	22	01-Feb-26	01-Apr-26	10-Jan-26 A	22-May-26	-209	83.46%					
S3-SDB-SUB-1350	Engagement of Air Purification System	30	11-Mar-26	10-Apr-26	23-May-26	21-Jun-26	-209	0%					
Gas Detection System													
S3-SDB-SUB-1400	Tendering of Gas Detection System	10	04-Dec-25	29-May-26	18-Aug-25 A	10-May-26	-18	96.24%					
S3-SDB-SUB-1410	Engagement of Gas Detection System	30	11-Feb-26	10-Mar-26	11-May-26	09-Jun-26	-18	0%					
Vehicle Access Control System													
S3-SDB-SUB-1420	Tendering of Vehicle Access Control System	71	01-Jan-26	01-Mar-26	13-Dec-25 A	10-Jul-26	-159	66.19%					
S3-SDB-SUB-1430	Engagement of Vehicle Access Control System	31	11-Feb-26	10-Mar-26	11-Jul-26	10-Aug-26	-159	0%					
CMMS and IDMS													
S3-SDB-SUB-1440	Tendering of CMMS and IDMS	10	01-Oct-25	29-Jan-26	25-Sep-25 A	10-May-26	-248	95.61%					
S3-SDB-SUB-1450	Engagement of CMMS and IDMS	31	01-Mar-26	31-Mar-26	11-May-26	10-Jun-26	-248	0%					
Power Quality and Energy Management System (PQEMS)													
S3-SDB-SUB-1460	Tendering of PQEMS	10	01-Aug-25	21-Mar-26	31-Jul-25 A	10-May-26	-248	96.48%					
S3-SDB-SUB-1470	Engagement of PQEMS	31	21-Mar-26	20-Apr-26	11-May-26	10-Jun-26	-248	0%					

Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
Control, Monitoring and Operation System (CMO)													
S3-SDB-SUB-1500	Tendering of CMO	10	06-Mar-26	04-May-26	24-Mar-26 A	10-May-26	0	79.17%					
S3-SDB-SUB-1510	Engagement of CMO	31	05-May-26	04-Jun-26	11-May-26	10-Jun-26	0	0%					
DDA Submission													
Civil Requirement													
Sludge Dewatering Building (DDA036)													
Loading & unloading Level (DDA036a) (Expanded to seperate submission DDA-036a1 and DDA-036a2)													
Loading & unloading Level - Walls and Ceiling (DDA036a2)													
S3-SDB-CR-2300	Re-submission of Plant Layout & Civil Requirements Drawings for SDB (Loading & Unloading level - Walls & Ceiling)	0			03-Mar-26 A	21-Apr-26 A		100%					
S3-SDB-CR-2310	Approval of Plant Layout & Civil Requirements Drawings for SDB (Loading & Unloading level - Walls & Ceiling)	7	08-Feb-26	28-Feb-26	22-Apr-26 A	21-May-26	-315	76.67%					
Ground and Frist Level (DDA036b)													
S3-SDB-CR-2100	Re-submission of civil requirement & general arrangement drawing of SDB (Ground & First level)	0			13-Dec-25 A	02-Apr-26 A		100%					
S3-SDB-CR-2110	Approval of civil requirement & general arrangement drawing of SDB (Ground & First level)	10			03-Apr-26 A	21-May-26	-315	73.68%					
Roof Level (DDA036c)													
S3-SDB-CR-2140	Re-submission of civil requirement & general arrangement drawing of SDB (Roof Level)	0	17-Feb-26	12-Apr-26	20-Dec-25 A	21-Apr-26 A		100%					
S3-SDB-CR-2150	Approval of civil requirement & general arrangement drawing of SDB (Roof Level)	21	13-Feb-26	30-Mar-26	22-Apr-26 A	21-May-26	-315	30%					
Site Wide Cable Duct System (DDA038)													
S3-SDB-CR-2060	Re-submission of civil requirement & general arrangement drawing of Site Wide Cable Duct System	0	05-Oct-25	04-Jan-26	30-Aug-25 A	24-Apr-26 A		100%					
S3-SDB-CR-2070	Approval of civil requirement & general arrangement drawing of Site Wide Cable Duct System	24	01-Dec-25	05-Feb-26	25-Apr-26 A	24-May-26	-229	20%					
Sludge Mixing System (DDA003)													
S3-SDB-DDA-1030	Approval of DDA Design of Sludge Mixing System	30	26-Jun-25	27-Jan-26	24-Mar-26 A	30-May-26	-220	55.88%					
Sludge Dewatering and Drying System													
Sludge Dewatering System (Centrifuge, Centrifuge Feed Pump) (DDA004A)													
S3-SDB-DDA-1110	Approval of DDA Design of Centrifuge and Centrifuge Feed Pump	30	27-Jul-25	29-May-26	24-Mar-26 A	30-May-26	-218	21.05%					
Sludge Drying System (Dryer's Conveyor and Condensation System) (DDA004B)													
S3-SDB-DDA-2470	Approval of DDA Design of Sludge Drying System	41	01-Apr-25	01-Dec-25	29-Aug-25 A	10-Jun-26	-229	85.66%					
Sludge Handling and Dynamic Mixing System (Hopper, Diverters, Silo, Dynamic Sludge Mixer) (DDA004C)													
S3-SDB-DDA-2510	Approval of DDA Design of Hopper, Diverters, Silo and Dynamic Sludge Mixer	41	01-Sep-25	23-May-26	26-Mar-26 A	10-Jun-26	-229	46.75%					
Sludge Conveying and Discharge System (DDA005)													
S3-SDB-DDA-1150	Approval of DDA Design of Sludge Conveying & Discharge System	41	01-Dec-25	02-May-26	29-Nov-25 A	10-Jun-26	-211	78.87%					
Polyelectrolyte Preparation, Mixing, Transferring, Storage and Dosing System (DDA006)													
S3-SDB-DDA-1190	Approval of DDA Design of Polyelectrolyte Preparation, Mixing, Transferring, Storage & Dosing System	41	07-Jun-25	07-May-26	31-May-25 A	10-Jun-26	-268	89.1%					
Centrate/Filtrate Collection System (DDA007)													
S3-SDB-DDA-1220	Re-submission of DDA Design of Centrate/Filtrate Collection System	15	02-Mar-26	18-May-26	13-Dec-25 A	15-May-26	-170	90.26%					
S3-SDB-DDA-1230	Approval of DDA Design of Centrate/Filtrate Collection System	26	01-Mar-26	30-Apr-26	16-May-26	10-Jun-26	-170	0%					
Steam Boiler System (DDA008)													
S3-SDB-DDA-1260	Re-submission of DDA Design of Steam Boiler System	0	19-Oct-25	07-Jan-26	16-Sep-25 A	31-Mar-26 A		100%					
S3-SDB-DDA-1270	Approval of DDA Design of Steam Boiler System	41	06-Jan-26	14-May-26	01-Apr-26 A	10-Jun-26	-170	42.25%					
Sludge Heating System (DDA009)													
S3-SDB-DDA-1300	Re-submission of DDA Design of Sludge Heating System	15	21-Feb-26	09-Apr-26	10-Mar-26 A	15-May-26	-224	77.61%					
S3-SDB-DDA-1310	Approval of DDA Design of Sludge Heating System	26	10-Apr-26	30-Apr-26	16-May-26	10-Jun-26	-224	0%					
CHP System (DDA012)													
S3-SDB-DDA-1420	Re-submission of DDA Design of CHP Generating System	15	21-Feb-26	09-Apr-26	06-Mar-26 A	15-May-26	-170	78.87%					
S3-SDB-DDA-1430	Approval of DDA Design of CHP Generating System	26	10-Apr-26	30-Apr-26	16-May-26	10-Jun-26	-170	0%					
Exhaust Gas Treatment System (DDA013)													
S3-SDB-DDA-1460	Re-submission of DDA Design of Exhaust Gas Treatment System	15	19-Feb-26	09-Apr-26	04-Mar-26 A	15-May-26	-150	79.45%					
S3-SDB-DDA-1470	Approval of DDA Design of Exhaust Gas Treatment System	26	10-Apr-26	30-Apr-26	16-May-26	10-Jun-26	-150	0%					
Deodorisation Unit/System (DDA015)													
S3-SDB-DDA-1550	Approval of DDA Design of Deodorisation Unit/System	30	28-Sep-25	28-Sep-26	30-Apr-25 A	30-May-26	-225	92.42%					
Air Purifier System with Disinfection (DDA016)													
S3-SDB-DDA-1580	Re-submission of DDA Design of Air Purifier System with Disinfection	0	17-Feb-26	10-May-26	20-Dec-25 A	31-Mar-26 A		100%					
S3-SDB-DDA-1590	Approval of DDA Design of Air Purifier System with Disinfection	41	01-Mar-26	30-Apr-26	01-Apr-26 A	10-Jun-26	-119	42.25%					



Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
Electrical System													
Electrical System - Single Line Diagram of Electrical System (DDA021A)													
S3-SDB-DDA-2190	Approval of DDA Design of Single Line Diagram	0	21-Sep-25	28-Jan-26	22-Oct-25 A	02-Apr-26 A		100%					
Electrical System - LV Power Distribution System (DDA021B)													
S3-SDB-DDA-2540	Re-submission of DDA Design of LV Power Distribution System	15			10-Mar-26 A	15-May-26	-248	77.61%					
S3-SDB-DDA-2550	Approval of DDA Design of LV Power Distribution System	30	14-Feb-26	06-Mar-26	16-May-26	14-Jun-26	-248	0%					
Electrical System - Control Wiring Diagram for LV Switchboard (DDA021C)													
S3-SDB-DDA-2560	Prepare & Submission of DDA Design of Control Wiring Diagram	0	01-Feb-25	20-Mar-26	10-Dec-24 A	15-Apr-26 A		100%					
S3-SDB-DDA-2590	Approval of DDA Design of Control Wiring Diagram	30	01-Mar-26	21-Mar-26	16-Apr-26 A	30-May-26	-233	33.33%					
Biogas Pre-treatment System (DDA042)													
S3-SDB-DDA-2220	Re-submission of DDA Design of Biogas Pre-treatment System	0	11-Dec-25	07-Apr-26	21-Oct-25 A	30-Apr-26 A		100%					
S3-SDB-DDA-2230	Approval of DDA Design of Biogas Pre-treatment System	41	16-Feb-26	30-Apr-26	01-May-26	10-Jun-26	-150	0%					
All Temporary Works and Diversion Works for Testing and Commissioning (DDA043)													
S3-SDB-DDA-2640	Prepare & Submission of DDA Design of All Temp. Works & Diversion for T&C	46	01-Dec-25	13-Apr-26	02-Nov-25 A	15-Jun-26	-255	79.65%					
S3-SDB-DDA-2650	Approval of DDA Design of All Temp. Works & Diversion for T&C	45	16-Mar-26	30-Apr-26	16-Jun-26	30-Jul-26	-255	0%					
Pipe support and O&M Platform Design Calculation (DDA044)													
Structural Design Calculation - Pipe Support (DDA044a)													
S3-SDB-DDA-3010	Review & comment on DDA Design of Structural Design Calculation - Pipe Support	0	21-Jan-26	10-Feb-26	14-Mar-26 A	30-Mar-26 A		100%					
S3-SDB-DDA-3020	Re-submission of DDA Design of Structural Design Calculation - Pipe Support	15	15-Feb-26	15-Apr-26	31-Mar-26 A	15-May-26	-24	67.39%					
S3-SDB-DDA-3030	Approval of DDA Design of Structural Design Calculation - Pipe Support	26	16-Mar-26	30-Apr-26	16-May-26	10-Jun-26	-24	0%					
Structural Design Calculation - O&M Platform (DDA044b)													
S3-SDB-DDA-3080	Prepare & Submission of DDA Design of Structural Design Calculation - O&M Platform	15			02-Feb-26 A	15-May-26	-24	85.44%					
S3-SDB-DDA-3110	Approval of DDA Design of Structural Design Calculation - O&M Platform	26			16-May-26	10-Jun-26	-24	0%					
Structural Design Calculation - Equipment Structural Support (DDA044c)													
S3-SDB-DDA-3130	Review & comment on DDA Design of Structural Design Calculation - Equipment Structural Support	0			20-Mar-26 A	10-Apr-26 A		100%					
S3-SDB-DDA-3140	Re-submission of DDA Design of Structural Design Calculation - Equipment Structural Support	15			11-Apr-26 A	15-May-26	-24	57.14%					
S3-SDB-DDA-3150	Approval of DDA Design of Structural Design Calculation - Equipment Structural Support	26			16-May-26	10-Jun-26	-24	0%					
Other Submission													
Risk Assessment for Sludge Drying System													
S3-SDB-DDA-2860	Re-submission of Risk Assessment for Sludge Drying System	0	01-Sep-25	08-Mar-26	09-Aug-25 A	30-Mar-26 A		100%					
S3-SDB-DDA-2870	Approval of Risk Assessment for Sludge Drying System	0	14-Feb-26	30-Mar-26	31-Mar-26 A	02-Apr-26 A		100%					
Plant & Material Submission													
Sludge Dewatering and Drying System													
Sludge Dryer System													
Control Panel (ME0003D)													
S3-SDB-PMS-2180	Re-submission of Sludge Dryer System (Control Panel)	0	05-Feb-26	23-Jun-27	17-Aug-24 A	27-Apr-26 A		100%					
S3-SDB-PMS-2190	Review & Approval of Sludge Dryer System (Control Panel)	81	03-Feb-26	13-Apr-26	28-Apr-26 A	20-Jul-26	-375	3.57%					
Auxiliary Equipment in Sludge Drying System (ME003E)													
S3-SDB-PMS-1760	Prepare & Submission of Auxiliary Equipment in Sludge Drying System	7	06-Oct-25	24-May-26	28-Jul-25 A	07-May-26	-42	97.54%					
S3-SDB-PMS-1790	Review & Approval of Auxiliary Equipment in Sludge Drying System	46	16-Mar-26	28-Apr-26	08-May-26	22-Jun-26	-42	0%					
Wet Sludge Hopper and Dried Sludge Silo (ME007)													
S3-SDB-PMS-1680	Prepare & Submission of Wet Sludge Hopper and Dried Sludge Silo	0	01-Feb-25	11-Dec-25	06-Jan-25 A	27-Apr-26 A		100%					
S3-SDB-PMS-1690	Review & comment on Wet Sludge Hopper and Dried Sludge Silo	18			28-Apr-26 A	18-May-26	-319	14.29%					
S3-SDB-PMS-1700	Re-submission of Wet Sludge Hopper and Dried Sludge Silo	44			19-May-26	01-Jul-26	-319	0%					
S3-SDB-PMS-1710	Review & Approval of Wet Sludge Hopper and Dried Sludge Silo	21	08-Mar-26	28-Mar-26	02-Jul-26	22-Jul-26	-319	0%					
Dynamic Sludge Mixer (ME008)													
S3-SDB-PMS-1750	Review & Approval of Dynamic Sludge Mixer	0	04-Mar-26	27-Apr-26	14-Mar-26 A	21-Apr-26 A		100%					
Sludge Skips (ME009)													
S3-SDB-PMS-2200	Prepare & Submission of Sludge Skips	43	01-Nov-25	31-May-26	01-Oct-25 A	12-Jun-26	-296	83.14%					
S3-SDB-PMS-2210	Review & Approval of Sludge Skips	95	01-May-26	15-Jun-26	13-Jun-26	15-Sep-26	-296	0%					
Digested Sludge Holding Tank Drain Pump and Polymer Pumps (ME022)													
S3-SDB-PMS-2220	Prepare & Submission of Digested Sludge Holding Tank Drain Pump and Polymer Pumps	15	01-Nov-25	17-Mar-26	12-Oct-25 A	15-May-26	-396	93.06%					
S3-SDB-PMS-2230	Review & Approval of Digested Sludge Holding Tank Drain Pump and Polymer Pumps	87	26-Feb-26	10-Apr-26	16-May-26	10-Aug-26	-396	0%					

Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026					
									Apr 48	May 49	Jun 50	Jul 51	Aug 52	
Biogas Pre-treatment System (ME010)														
S3-SDB-PMS-1040	Prepare & Submission of Biogas Pre-treatment System	15	06-Feb-25	12-Mar-26	13-Jan-25 A	15-May-26	-260	96.93%						
S3-SDB-PMS-1070	Review & Approval of Biogas Pre-treatment System	46	17-Feb-26	01-Apr-26	16-May-26	30-Jun-26	-260	0%						
CHP Generator Set (ME011A)														
S3-SDB-PMS-1100	Re-submission of CHP Generator Set	0			17-Feb-26 A	24-Apr-26 A		100%						
S3-SDB-PMS-1110	Review & Approval of CHP Generator Set	15	04-Mar-26	31-Mar-26	25-Apr-26 A	15-May-26	-376	50%						
Auxiliary Equipment I (Gas train and Lubrication oil tank) for CHP system (ME011B)														
S3-SDB-PMS-3620	Prepare & Submission of Auxiliary Equipment I (Gas train and Lubrication oil tank) for CHP system	0			02-Mar-26 A	22-Apr-26 A		100%						
S3-SDB-PMS-3630	Review & comment on Auxiliary Equipment I (Gas train and Lubrication oil tank) for CHP system	13			23-Apr-26 A	13-May-26	-239	38.1%						
S3-SDB-PMS-3640	Re-submission of Auxiliary Equipment I (Gas train and Lubrication oil tank) for CHP system	55			14-May-26	07-Jul-26	-239	0%						
S3-SDB-PMS-3650	Review & Approval of Auxiliary Equipment I (Gas train and Lubrication oil tank) for CHP system	21			08-Jul-26	28-Jul-26	-239	0%						
Auxiliary Equipment II (Intake Fan,Exhaust Gas Silencer & Main Heat Exchanger) for CHP system(ME011C)														
S3-SDB-PMS-3660	Prepare & Submission of Auxiliary Equipment II (Intake Fan, Exhaust Gas Silencer and Main Heat Exchanger) for CHP system	92			02-Mar-26 A	31-Jul-26	-239	0%						
CHP Heat Recovery System (ME011D)														
S3-SDB-PMS-3580	Prepare & Submission of CHP Heat Recovery System	15	01-Jun-25	27-Jul-25	02-Jan-26 A	15-May-26	-353	88.81%						
S3-SDB-PMS-3610	Review & Approval of CHP Heat Recovery System	44	28-Feb-26	20-Mar-26	16-May-26	28-Jun-26	-353	0%						
Control Panel and Instrument for CHP system (ME011E)														
S3-SDB-PMS-3680	Prepare & Submission of Control Panel and Instrument for CHP system	28			02-Mar-26 A	28-May-26	-238	68.18%						
S3-SDB-PMS-3690	Review & Approval of Control Panel and Instrument for CHP system	92			29-May-26	28-Aug-26	-238	0%						
Gas Detection system for CHP system (ME011F)														
S3-SDB-PMS-3700	Prepare & Submission of Gas Detection system for CHP system	89			02-Mar-26 A	28-Jul-26	-238	40.27%						
S3-SDB-PMS-3710	Review & Approval of Gas Detection system for CHP system	92			29-Jul-26	28-Oct-26	-238	0%						
Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)for CHP system (ME011G)														
S3-SDB-PMS-3720	Prepare & Submission of Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)	89			02-Mar-26 A	28-Jul-26	-238	40.27%						
S3-SDB-PMS-3730	Review & Approval of Pipework and Valves(Biogas pipes, Water pipes and Chimney pipes)	92			29-Jul-26	28-Oct-26	-238	0%						
Acoustic Enclosure for CHP Generator Set (ME011H)														
S3-SDB-PMS-3740	Prepare & Submission of Acoustic Enclosure for CHP Generator Set	28			02-Mar-26 A	28-May-26	-238	33.33%						
S3-SDB-PMS-3750	Review & Approval of Acoustic Enclosure for CHP Generator Set	92			29-May-26	28-Aug-26	-238	0%						
Dual Fuel Steam Boiler System (ME013)														
S3-SDB-PMS-1140	Re-submission of Dual Fuel Steam Boiler System	15			21-Feb-26 A	15-May-26	-191	82.14%						
S3-SDB-PMS-1150	Review & Approval of Dual Fuel Steam Boiler System	41	01-Feb-26	25-Mar-26	16-May-26	25-Jun-26	-191	0%						
Polyelectrolyte Preparation, Mixing, Transfer, Storage and Dosing System (ME016)														
S3-SDB-PMS-1160	Prepare & Submission of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	0	01-Feb-25	23-Mar-26	06-Jan-25 A	24-Apr-26 A		100%						
S3-SDB-PMS-1190	Review & Approval of Polyelectrolyte Preparation, Mixing, Transfer, Storage & Dosing System	61	26-Feb-26	10-Apr-26	25-Apr-26 A	30-Jun-26	-227	20.78%						
Deodourisation System														
Deodourisation System (EL-Panel) (ME015B)														
S3-SDB-PMS-3300	Prepare & Submission of Deodourisation System (EL-Panel)	0	26-Sep-24	19-Feb-25	01-Oct-25 A	23-Apr-26 A		100%						
S3-SDB-PMS-3330	Review & Approval of Deodourisation System (EL-Panel)	83	25-Feb-26	09-Apr-26	24-Apr-26 A	22-Jul-26	-148	7.78%						
DO system (Associate Pipework & Valve & Instrument & Discharge Stack) (ME019)														
S3-SDB-PMS-3360	Re-submission of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	10	18-Mar-26	19-Apr-26	10-Feb-26 A	10-May-26	-118	88.89%						
S3-SDB-PMS-3370	Review & Approval of DO system (Associate Pipework & Valve & Instrumnt & Discharge Stack)	43	20-Apr-26	10-May-26	11-May-26	22-Jun-26	-118	0%						
Air Purifying System with Disinfection (SDB and ADB) (ME020)														
S3-SDB-PMS-1960	Prepare & Submission of Air Purifying System with Disinfection (SDB and ADB)	0	01-Feb-25	03-Mar-26	26-Jan-25 A	31-Mar-26 A		100%						
S3-SDB-PMS-1970	Review & comment on Air Purifying System with Disinfection (SDB and ADB)	0	29-Mar-26	18-Apr-26	01-Apr-26 A	17-Apr-26 A		100%						
S3-SDB-PMS-1980	Re-submission of Air Purifying System with Disinfection (SDB and ADB)	20	19-Apr-26	20-May-26	18-Apr-26 A	20-May-26	-240	48.72%						
S3-SDB-PMS-1990	Review & Approval of Air Purifying System with Disinfection (SDB and ADB)	63	21-May-26	10-Jun-26	21-May-26	22-Jul-26	-240	0%						
Lifting Appliance (ME017)														
S3-SDB-PMS-1310	Review & Approval of Lifting Appliance	34	01-Mar-26	21-Mar-26	24-Mar-26 A	03-Jun-26	-405	52.78%						

Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Ju 51	Aug 52
Valves and Actuators (DI) (ME021)													
S3-SDB-PMS-1340	Re-submission of Valves and Actuators (DI)	15	01-Feb-26	20-Mar-26	22-Jan-26 A	15-May-26	-268	86.84%					
S3-SDB-PMS-1350	Review & Approval of Valves and Actuators (DI)	46	11-Mar-26	10-Apr-26	16-May-26	30-Jun-26	-268	0%					
Chemical (uPVC) Pipes, Fittings and Accessories (ME023)													
S3-SDB-PMS-1430	Review & Approval of uPVC Pipes, Fittings & Accessories	61	03-Mar-26	01-May-26	30-Jan-26 A	30-Jun-26	-84	59.87%					
SCADA and PLC system													
PLC Panel System (ICA001)													
S3-SDB-PMS-1460	Re-submission of PLC Panel system	0	01-Dec-25	20-Mar-26	11-Nov-25 A	30-Mar-26 A		100%					
S3-SDB-PMS-1470	Review & Approval of PLC Panel system	49	01-Mar-26	20-May-26	31-Mar-26 A	18-Jun-26	-255	40.24%					
SCADA System (ICA002)													
S3-SDB-PMS-3410	Review & Approval of SCADA system	49	01-Mar-26	20-May-26	28-Mar-26 A	18-Jun-26	-255	42.35%					
Gas Detection System (ME026)													
S3-SDB-PMS-1500	Re-submission of Gas Detection System	71	08-Nov-25	21-Mar-26	18-Oct-25 A	10-Jul-26	-324	73.31%					
S3-SDB-PMS-1510	Review & Approval of Gas Detection System	92	01-Mar-26	10-Apr-26	11-Jul-26	10-Oct-26	-324	0%					
Instrumentation													
Electromagnetic and Flow Transmitter (ICA008)													
S3-SDB-PMS-2380	Re-submission of Electromagnetic and Flow Transmitter	0			06-Feb-26 A	08-Apr-26 A		100%					
S3-SDB-PMS-2390	Review & Approval of Electromagnetic and Flow Transmitter	92	04-Mar-26	25-Apr-26	09-Apr-26 A	31-Jul-26	-386	25.81%					
Total Suspended Solid Instrument (ICA012)													
S3-SDB-PMS-2550	Review & Approval of Total Suspended Solid Instrument	0	26-Jan-26	16-Mar-26	21-Feb-26 A	30-Mar-26 A		100%					
Gas Detector Instruments (ICA015)													
S3-SDB-PMS-2660	Re-submission of Gas Detector Instruments	0	21-Nov-25	25-Jan-26	21-Oct-25 A	22-Apr-26 A		100%					
S3-SDB-PMS-2670	Review & Approval of Gas Detector Instruments	102	23-Dec-25	10-Feb-26	23-Apr-26 A	10-Aug-26	-396	7.27%					
Sludge Conveyors (ME005)													
S3-SDB-PMS-1840	Prepare & Submission of Sludge Conveyors	15	01-Feb-25	05-Mar-26	21-Jan-25 A	15-May-26	-177	96.88%					
S3-SDB-PMS-1870	Review & Approval of Sludge Conveyor	31	23-Feb-26	15-Mar-26	16-May-26	15-Jun-26	-177	0%					
Sludge Heating System (Biogas Hot-Water Heater) (ME012)													
S3-SDB-PMS-1900	Re-submission of Sludge Heating System (Biogas Hot-Water Heater)	15	13-Mar-26	30-Mar-26	07-Mar-26 A	15-May-26	-206	78.57%					
S3-SDB-PMS-1910	Review & Approval of Sludge Heating System (Biogas Hot-Water Heater)	46	31-Mar-26	20-Apr-26	16-May-26	30-Jun-26	-206	0%					
Exhaust Gas Treatment System (ME014)													
S3-SDB-PMS-1920	Prepare & Submission of Exhaust Gas Treatment System	15	01-Jun-25	12-Apr-26	09-May-25 A	15-May-26	-168	95.97%					
S3-SDB-PMS-1950	Review & Approval of Exhaust Gas Treatment System	56	21-Mar-26	10-Apr-26	16-May-26	10-Jul-26	-168	0%					
Emergency Diesel Generator System (EL024)													
S3-SDB-PMS-2070	Review & Approval of Emergency Diesel Generator System	0	01-Jun-25	17-Dec-25	07-Mar-26 A	17-Apr-26 A		100%					
LVSB (EL008)													
S3-SDB-PMS-2750	Review & Approval of LVSB	0	21-Feb-26	19-May-26	21-Mar-26 A	10-Apr-26 A		100%					
UPS(EL025)													
S3-SDB-PMS-2850	Review & Approval of UPS	0	18-Oct-25	03-Jun-26	28-Mar-26 A	20-Apr-26 A		100%					
Scissor Platform spare plant for operation (ME029)													
S3-SDB-PMS-3240	Re-submission of Scissor Platform spare plant for operation	61	09-Jan-26	30-Apr-26	09-Dec-25 A	30-Jun-26	-402	70.1%					
S3-SDB-PMS-3250	Review & Approval of Scissor Platform spare plant for operation	61	31-Mar-26	30-May-26	01-Jul-26	30-Aug-26	-402	0%					
Chemical Anchors, Bolts, Nuts and Washer (ME024)													
S3-SDB-PMS-3210	Review & Approval of Chemical Anchors, Bolts, Nuts & Washer	30	22-Dec-25	26-Apr-26	03-Feb-26 A	30-May-26	-10	74.36%					
Permanent working platform & Pipe Support (ME028)													
S3-SDB-PMS-3520	Re-submission of Permanent working platform & Pipe Support	0	09-Jan-26	27-Mar-26	13-Dec-25 A	30-Apr-26 A		100%					
S3-SDB-PMS-3530	Review & Approval of Permanent working platform & Pipe Support	41	01-Mar-26	28-Mar-26	01-May-26	10-Jun-26	-64	0%					
Valve and Actuator (SS) (BS023)													
S3-SDB-PMS-3560	Re-submission of Valves and Actuators (SS)	15			17-Mar-26 A	15-May-26	-268	72.22%					
S3-SDB-PMS-3570	Review & Approval of Valves and Actuators (SS)	46	21-Feb-26	10-Apr-26	16-May-26	30-Jun-26	-268	0%					
Method Statement													
Sludge Mixing System													
S3-SDB-MS-1000	Prepare & Submission of method statement of installation of Sludge Mixing System	45	01-May-26	14-Jun-26	31-May-26	14-Jul-26	-220	0%					
S3-SDB-MS-1010	Review & comment on method statement of installation of Sludge Mixing System	21	15-Jun-26	05-Jul-26	15-Jul-26	04-Aug-26	-220	0%					
Sludge Dewatering and Drying System													
S3-SDB-MS-1080	Prepare & Submission of method statement of installation of Sludge Dewatering & Drying System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-229	0%					
S3-SDB-MS-1090	Review & comment on method statement of installation of Sludge Dewatering & Drying System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-229	0%					
Sludge Conveying and Discharge System													

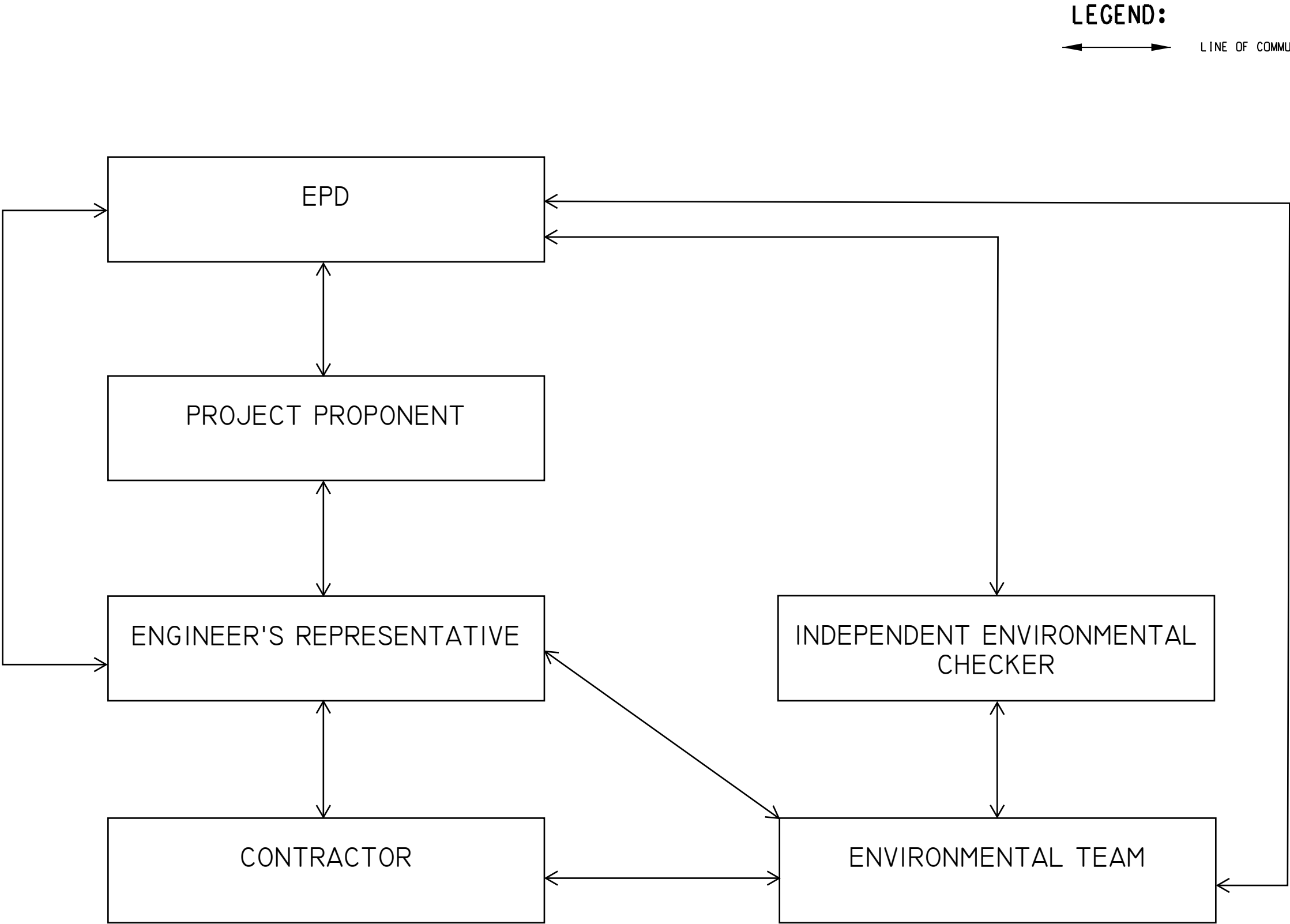
Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
S3-SDB-MS-1120	Prepare & Submission of method statement of installation of Sludge Conveying & Discharge System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-211	0%					
S3-SDB-MS-1130	Review & comment on method statement of installation of Sludge Conveying & Discharge System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-211	0%					
Polyelectrolyte Preparation, Mixing, Transferring, Storage and Dosing System													
S3-SDB-MS-1160	Prepare & Submission of method statement of installation of Polyelectrolyte System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-231	0%					
S3-SDB-MS-1170	Review & comment on method statement of installation of Polyelectrolyte System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-231	0%					
Steam Boiler System													
S3-SDB-MS-1240	Prepare & Submission of method statement of installation of Steam Boiler System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-170	0%					
S3-SDB-MS-1250	Review & comment on method statement of installation of Steam Boiler System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-170	0%					
Sludge Heating System													
S3-SDB-MS-1280	Prepare & Submission of method statement of installation of Sludge Heating System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-224	0%					
S3-SDB-MS-1290	Review & comment on method statement of installation of Sludge Heating System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-224	0%					
CHP System													
S3-SDB-MS-1400	Prepare & Submission of method statement of installation of CHP System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-170	0%					
S3-SDB-MS-1410	Review & comment on method statement of installation of CHP System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-170	0%					
Exhaust Gas Treatment System													
S3-SDB-MS-1440	Prepare & Submission of method statement of installation of Exhaust Gas Treatment System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-150	0%					
S3-SDB-MS-1450	Review & comment on method statement of installation of Exhaust Gas Treatment System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-150	0%					
Deodorisation Unit/System													
S3-SDB-MS-1520	Prepare & Submission of method statement of installation of Deodorisation Unit/System	30	01-May-26	30-May-26	31-May-26	29-Jun-26	-225	0%					
S3-SDB-MS-1530	Review & comment on method statement of installation of Deodorisation Unit/System	30	31-May-26	29-Jun-26	30-Jun-26	29-Jul-26	-225	0%					
Air Purifier System with Disinfection													
S3-SDB-MS-1560	Prepare & Submission of method statement of installation of Air Purifier System with Disinfection	30	01-Mar-26	30-Mar-26	01-May-26	30-May-26	-119	0%					
S3-SDB-MS-1570	Review & comment on method statement of installation of Air Purifier System with Disinfection	30	31-Mar-26	29-Apr-26	31-May-26	29-Jun-26	-119	0%					
S3-SDB-MS-1580	Re-submission of method statement of installation of Air Purifier System with Disinfection	30	30-Apr-26	29-May-26	30-Jun-26	29-Jul-26	-119	0%					
Lifting Appliance													
S3-SDB-MS-1600	Prepare & Submission of method statement of installation of Lifting Appliance	30	22-Mar-26	20-Apr-26	01-May-26	30-May-26	-382	0%					
S3-SDB-MS-1610	Review & comment on method statement of installation of Lifting Appliance	21	21-Apr-26	20-May-26	31-May-26	20-Jun-26	-382	0%					
S3-SDB-MS-1620	Re-submission of method statement of installation of Lifting Appliance	30	21-May-26	19-Jun-26	21-Jun-26	20-Jul-26	-382	0%					
S3-SDB-MS-1630	Approval of method statement of installation of Lifting Appliance	21	20-Jun-26	19-Jul-26	21-Jul-26	10-Aug-26	-382	0%					
Process Instrumentation System													
S3-SDB-MS-1800	Prepare & Submission of method statement of installation of UPS System	30	11-May-26	09-Jun-26	01-May-26	30-May-26	-129	0%					
S3-SDB-MS-1810	Review & comment on method statement of installation of UPS System	30	10-Jun-26	09-Jul-26	31-May-26	29-Jun-26	-129	0%					
S3-SDB-MS-1820	Re-submission of method statement of installation of UPS System	40	10-Jul-26	18-Aug-26	30-Jun-26	08-Aug-26	-129	0%					
Fire Services System													
S3-SDB-MS-2000	Prepare & Submission of method statement of installation of FS system	30	01-Feb-26	02-Mar-26	01-May-26	30-May-26	-309	0%					
S3-SDB-MS-2010	Review & comment on method statement of installation of FS system	21	03-Mar-26	23-Mar-26	31-May-26	20-Jun-26	-309	0%					
S3-SDB-MS-2020	Re-submission of method statement of installation of FS system	30	24-Mar-26	22-Apr-26	21-Jun-26	20-Jul-26	-309	0%					
S3-SDB-MS-2030	Approval of method statement of installation of FS system	21	23-Apr-26	13-May-26	21-Jul-26	10-Aug-26	-309	0%					
P&D System													
S3-SDB-MS-2080	Prepare & Submission of method statement of installation of P&D System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-228	0%					
S3-SDB-MS-2090	Review & comment on method statement of installation of P&D System	21	31-May-26	20-Jun-26	11-Jul-26	31-Jul-26	-228	0%					
Electrical System													
S3-SDB-MS-2120	Prepare & Submission of method statement of LVSB installation	30	22-Mar-26	20-Apr-26	15-Jun-26	14-Jul-26	-248	0%					
S3-SDB-MS-2130	Review & comment on method statement of LVSB installation	35	21-Apr-26	25-May-26	15-Jul-26	18-Aug-26	-248	0%					

Activity Name		Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026					
									Apr 48	May 49	Jun 50	Jul 51	Aug 52	
Earthing & Lightning Protection System														
S3-SDB-MS-2640	Prepare & Submission of method statement of Earthing & Lightning Protection System	30	01-Feb-26	02-Mar-26	01-May-26	30-May-26	-85	0%						
S3-SDB-MS-2650	Review & comment on method statement of Earthing & Lightning Protection System	21	03-Mar-26	23-Mar-26	31-May-26	20-Jun-26	-85	0%						
S3-SDB-MS-2660	Re-submission of method statement of Earthing & Lightning Protection System	28	24-Mar-26	20-Apr-26	21-Jun-26	18-Jul-26	-85	0%						
S3-SDB-MS-2670	Approval of method statement of Earthing & Lightning Protection System	21	21-Apr-26	11-May-26	19-Jul-26	08-Aug-26	-85	0%						
Biogas Pre-treatment System														
S3-SDB-MS-2200	Prepare & Submission of method statement of installation of Biogas Pre-treatment System	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-150	0%						
S3-SDB-MS-2210	Review & comment on method statement of installation of Biogas Pre-treatment System	30	31-May-26	29-Jun-26	11-Jul-26	09-Aug-26	-150	0%						
SAT / T&C procedure														
Lifting Appliance														
S3-SDB-SAT-1600	Prepare & Submission of SAT/ T&C Procedure (with Test Form) of Lifting Appliance	30	22-Mar-26	20-Apr-26	01-May-26	30-May-26	-173	0%						
S3-SDB-SAT-1610	Review & comment on SAT/ T&C Procedure (with Test Form) of Lifting Appliance	30	21-Apr-26	20-May-26	31-May-26	29-Jun-26	-173	0%						
S3-SDB-SAT-1620	Re-submission of SAT/ T&C Procedure (with Test Form) of Lifting Appliance	40	21-May-26	29-Jun-26	30-Jun-26	08-Aug-26	-173	0%						
Earthing & Lightning Protection System														
S3-SDB-SAT-2680	Prepare & Submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	30	03-Mar-26	01-Apr-26	31-May-26	29-Jun-26	-77	0%						
S3-SDB-SAT-2690	Review & comment on T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	21	02-Apr-26	22-Apr-26	30-Jun-26	20-Jul-26	-77	0%						
S3-SDB-SAT-2700	Re-submission of T&C Plan (include FAT & SAT) of Earthing & Lightning Protection System	28	23-Apr-26	20-May-26	21-Jul-26	17-Aug-26	-77	0%						
Manufacture, FAT & Delivery of Major Equipment														
S3-SDB-MD-1000	Manufacture with FAT (4 months) & Delivery(1 months) of Lifting Appliance	154	22-Mar-26	21-Sep-26	03-Jun-26*	03-Nov-26	-405	0%						
S3-SDB-MD-1030	Delivery of Dewatering Centrifuge	42	21-Feb-26	22-Mar-26	01-May-26	11-Jun-26	-22	0%						
S3-SDB-MD-1060	Delivery of Dryer Centrifuge	42	11-Jul-26	09-Aug-26	01-May-26	11-Jun-26	20	0%						
S3-SDB-MD-1070	Manufacture of Paddle Dryer	111	21-Dec-25	21-Dec-26	19-Aug-25 A	19-Aug-26	-135	69.67%						
S3-SDB-MD-1080	FAT for Paddle Dryer	30	21-Jul-26	19-Aug-26	21-Jul-26	19-Aug-26	-135	0%						
S3-SDB-MD-1100	Manufacture with FAT (5 months) & Delivery(1 month) of Dynamic Sludge Mixer	180	16-Mar-26	15-Dec-26	27-Apr-26 A	27-Oct-26	-202	2.17%						
S3-SDB-MD-1110	Manufacture with FAT (5 months) & Delivery(1 month) of Discharge & Cooling Conveyors	49	10-Mar-26	07-Sep-26	19-Dec-25 A	18-Jun-26	-43	73.08%						
S3-SDB-MD-1120	Manufacture with FAT (5 months) & Delivery(1 month) of Air Ejector	116	10-Feb-26	10-Jul-26	24-Feb-26 A	24-Aug-26	-117	36.26%						
S3-SDB-MD-1130	Manufacture with FAT (6 months) & Delivery(1 month) of Wet Sludge Hopper	215	28-Mar-26	28-Oct-26	22-Jul-26*	21-Feb-27	-268	0%						
S3-SDB-MD-1132	Manufacture with FAT (6 months) & Delivery(1 month) of Dried Sludge Silo	215	28-Mar-26	28-Oct-26	22-Jul-26*	21-Feb-27	-319	0%						
S3-SDB-MD-1134	Manufacture with FAT (3 months) & Delivery(1 month) of Sludge Feed Pump	69	10-Apr-26	10-Jul-26	09-Mar-26 A	08-Jul-26	-72	43.44%						
S3-SDB-MD-1138	Manufacture with FAT (2 months) & Delivery(1 month) of Sludge Heating System - Heat Exchanger and Recirculation System	93	20-Apr-26	20-Nov-26	30-Jun-26*	30-Sep-26	-206	0%						
S3-SDB-MD-1140	Manufacture with FAT (6 months) & Delivery(1 month) of Biogas Pre-treatment System	215	01-Apr-26	01-Nov-26	30-Jun-26*	30-Jan-27	-260	0%						
S3-SDB-MD-1150	Manufacture with FAT (11 months) & Delivery(1 month) of CHP System	366	28-Feb-26	28-Feb-27	24-May-26*	24-May-27	-385	0%						
S3-SDB-MD-1155	Manufacture with FAT (3 months) & Delivery(1 month) of Exhaust Gas Treatment System	123	10-Apr-26	10-Aug-26	10-Jul-26	09-Nov-26	-168	0%						
S3-SDB-MD-1160	Manufacture with FAT (4 months) & Delivery(1 month) of Steam Boiler System	154	25-Mar-26	25-Dec-26	25-Jun-26	25-Nov-26	-191	0%						
S3-SDB-MD-1180	Manufacture with FAT (6 months) & Delivery(1 month) of Deodorisation System	89	09-Feb-26	08-Sep-26	29-Dec-25 A	28-Jul-26	-154	58.02%						
S3-SDB-MD-1185	Manufacture with FAT (2 months) & Delivery(1 month) of Air Purification System	93	10-Jun-26	10-Sep-26	22-Jul-26	22-Oct-26	-240	0%						
S3-SDB-MD-1190	Manufacture with FAT (120 days) & Delivery(30 days) of Emergency Generator System	154	29-Apr-26	27-Sep-26	30-May-26*	30-Oct-26	-280	0%						
S3-SDB-MD-1200	Manufacture of LVSB	94	28-Apr-26	28-Sep-26	30-May-26*	31-Aug-26	-189	0%						
S3-SDB-MD-1260	Manufacture of SCADA System	185	20-May-26	20-Nov-26	20-Jun-26*	21-Dec-26	-257	0%						

Activity ID	Activity Name	Remaining Duration	BL Start (DE/2020/01 RP R39)	BL Finish (DE/2020/01 RP R39)	Start	Finish	Total Float	Activity % Complete	2026				
									Apr 48	May 49	Jun 50	Jul 51	Aug 52
S3-SDB-MD-1290	Manufacture with FAT (7 months) & Delivery(1 month) of Off Gas Condenser System	37	01-Nov-25	02-Jul-26	06-Oct-25 A	06-Jun-26	-31	84.84%					
S3-SDB-MD-1300	Manufacture with FAT (3 months) & Delivery(1 month) of Sludge Conveyors	185	15-Mar-26	15-Sep-26	15-Jun-26	16-Dec-26	-177	0%					
S3-SDB-MD-1310	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (DI)	185	10-Apr-26	08-Oct-26	30-Jun-26*	31-Dec-26	-268	0%					
S3-SDB-MD-1315	Manufacture with FAT (5 months) & Delivery(1 month) of Valves and Actuator (SS)	185	10-Apr-26	08-Oct-26	30-Jun-26	31-Dec-26	-268	0%					
S3-SDB-MD-1340	Manufacture with FAT (4 months) & Delivery(1 month) of Gas train and Lubrication oil tank	154			29-Jul-26*	29-Dec-26	-239	0%					
S3-SDB-MD-1360	Manufacture with FAT (5 months) & Delivery(1 month) of Water Pump, Exhaust Heat Exchanger & Dump Radiator	184			29-Jun-26*	29-Dec-26	-239	0%					
Interfacing Works													
S3-SDB-IFW-1000	Interface Works with Other Contract (including: Slab / Wall openings, Concrete Plinths, Cast-in Item, etc)	21	22-Jun-23	18-Jul-24	01-Feb-25 A	21-May-26	-315	95.58%					
S3-SDB-IFW-1010	Design submission with Interface Works on Plant Services Water	28	01-Jun-25	06-Dec-25	24-Aug-25 A	28-May-26	-20	88.71%					
S3-SDB-IFW-1020	Design Submission with Interface Works on Biogas Pipes & Hot Water Pipes Connections	28	12-Dec-25	17-Dec-26	25-Apr-25 A	28-May-26	-81	92.98%					
S3-SDB-IFW-1030	Design Submission with Interface Works on Digested Sludge Pipes Connection	28	01-May-25	15-Aug-27	15-Jan-24 A	28-May-26	56	96.76%					
S3-SDB-IFW-1040	Design Submission with Interface Works on Process Water Treatment	28	01-May-25	02-Jun-26	29-Jan-25 A	28-May-26	-20	94.23%					
S3-SDB-IFW-1060	Design Submission with Interface Works on Centrate & Filtrate Pipes	90	01-Feb-26	01-May-26	01-May-26	29-Jul-26	-219	0%					
S3-SDB-IFW-1080	Design Submission with Interface Works on Digested Sludge Holding Tank Drain Pipe	28	01-Aug-24	05-Feb-25	24-Aug-25 A	28-May-26	-86	88.71%					
S3-SDB-IFW-1090	Design Submission with Interface Works on Provisions in LV Switchroom at SDB	90	01-Mar-26	29-May-26	01-May-26	29-Jul-26	-295	0%					
S3-SDB-IFW-1100	Design Submission with Interface Works on PQEMS	90	01-Mar-26	29-May-26	01-May-26	29-Jul-26	-295	0%					
S3-SDB-IFW-1110	Design Submission with Interface Works on Cable Routing between SDB & ADB(LV)	24	01-Mar-26	29-May-26	09-May-25 A	24-May-26	-229	93.7%					
S3-SDB-IFW-1140	Design Submission with Interface Works on CCTV, Access Control Security System	90	02-Jun-26	30-Aug-26	02-Jun-26	30-Aug-26	-208	0%					
S3-SDB-IFW-1150	Design Submission with Interface Works on Shared Fresh Air intake for SDB loading & unloading level	90	01-Feb-26	01-May-26	01-May-26	29-Jul-26	-241	0%					
S3-SDB-IFW-1160	Design Submission with Interface Works on Sprinkler Water, Fire Hydrant & Hose Reel Water Main.	90	01-May-26	29-Jul-26	11-Jun-26	08-Sep-26	-282	0%					
S3-SDB-IFW-1170	Design Submission with Interface Works on Emergency Generator Set	58	02-Jun-25	25-Aug-27	06-Feb-24 A	27-Jun-26	-300	93.12%					
S3-SDB-IFW-1180	Design Submission with Interface Works on Connection between Local Fire Alarm Indication, local & master control panel	90	01-May-26	29-Jul-26	11-Jun-26	08-Sep-26	-237	0%					
S3-SDB-IFW-1190	Design Submission with Interface Works on Plumbing & Drainage	58	01-May-26	12-Sep-26	17-Dec-25 A	27-Jun-26	-81	64.42%					
E&M Installation													
External Area													
Utilities Corridor													
S3-UC-IN-1020	Tentative Access Date for Utilities Corridor (UC4) (According to the interface meeting with C1)	0	30-Apr-26		02-May-26*		-16	0%					
Testing and Commissioning													
SAT													
S3-SDB-TC-1215	Provision of Drainage Pipe (Provided by C1) (According to Interface Meeting with C1)	0	28-Feb-26		01-May-26*		192	0%					
Statutory Submission, Inspection & Approval													
Electrical and Mechanical Services Department													
S3-SDB-SS-1200	BEEO Stage one: Submit EE1 & EE-SU to EMSD	107	01-Nov-25	02-Mar-26	17-Oct-25 A	15-Aug-26	-401	64.69%					
S3-SDB-SS-1220	Application for Construction Approval of Notifiable Gas Installation (Form 104)	30	01-May-26	30-May-26	11-Jun-26	10-Jul-26	-54	0%					

Appendix B

Project Organization Chart



PROJECT
項目

**YUEN LONG EFFLUENT
POLISHING PLANT -
INVESTIGATION, DESIGN
AND CONSTRUCTION**

CLIENT
業主

 渠務署
Drainage Services Department

CONSULTANT
工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
分判工程顧問公司

ISSUE/REVISION 修訂			
I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核

STATUS
階段

SCALE 比例	DIMENSION UNIT 尺寸單位
A3 1 : 40000	METRES

KEY PLAN
索引圖

PROJECT NO. 項目編號	CONTRACT NO. 合約編號
60505476	CE 3/2015 (DS)

SHEET TITLE
圖紙名稱

PROJECT ORGANISATION

SHEET NUMBER
圖紙編號

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Appendix C

Action and Limit Levels

Action and Limit Levels for Air Quality

Parameters	Action Level	Limit Level
1-hour TSP Level in $\mu\text{g}/\text{m}^3$	¹ For baseline level $\leq 384 \mu\text{g}/\text{m}^3$, Action level = (baseline level * 1.3 + Limit level)/2; For baseline level $> 384 \mu\text{g}/\text{m}^3$, Action level = Limit level	500 $\mu\text{g}/\text{m}^3$

Notes:

1. The Action Level for 1-hour TSP Level:

a) AM1 = $(63 \times 1.3 + 500) / 2 = 291 \mu\text{g}/\text{m}^3$;

b) AM2 = $(70 \times 1.3 + 500) / 2 = 296 \mu\text{g}/\text{m}^3$.

Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700 - 1900 hours on normal weekdays	When one documented complaint is received	75 dB(A) *

Notes:

1. 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.

2. Correction of +3 dB(A) shall be made to the free field measurements.

Action and Limit Levels for Water Quality

Parameters	Action Levels	Limit Levels
Construction Phase Water Quality Monitoring		
DO in mg/L (Surface, Middle & Bottom) ²	<u>Surface & Middle</u> 5%-ile of baseline data for surface and middle layer. <u>Bottom</u> 5%-ile of baseline data for bottom layer.	<u>Surface & Middle</u> 4 mg/L or 1%-ile of baseline data for surface and middle layer. <u>Bottom</u> 2 mg/L or 1%-ile of baseline data for bottom layer.
SS in mg/L (depth-averaged ¹) ³	95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day	99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day
Turbidity in NTU (depth-averaged ¹) ³	95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day	99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day

Notes:

1. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths;

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

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

Action and Limit Levels for Ecology

Active Ardeid Night Roost Survey

As there are no specific guidelines on noise thresholds for roosting ardeids, the Action and Limit levels specified in below table were based on study conducted on exploring behavioural responses of shorebirds to impulsive noise (Wright et al. 2010).

Time Period	Action Level	Limit Level
after 17:30 during dry season after 18:00 during wet season	65.5 dB(A) ¹	72.2 dB(A) ²

Notes:

1. Behavioural response of some kind more likely to occur
2. Flight with abandonment of the site becomes the most likely outcome of the disturbance

Ecological Monitoring of Birds

Method	Parameters	Action Level ³	Limit Level ³
Transect	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community	Significant decline ^{1,2} in any of these parameters during the current monitoring month relative to the corresponding month during the baseline survey.	Significant decline in any of these parameters for three consecutive months.
	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Abundance of species with conservation importance only		
	Species diversity of species with conservation importance only		
Point Count	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community		
	Abundance of species with conservation importance only		
	Species diversity of species with conservation importance only		

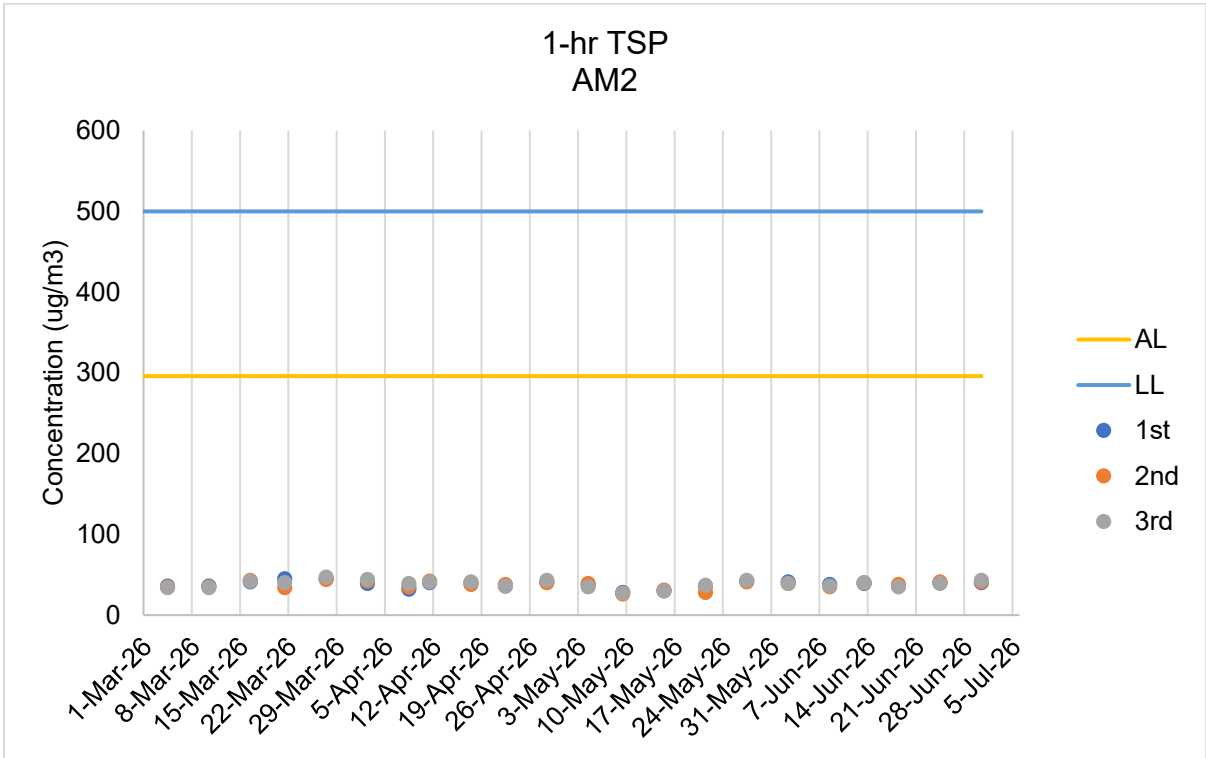
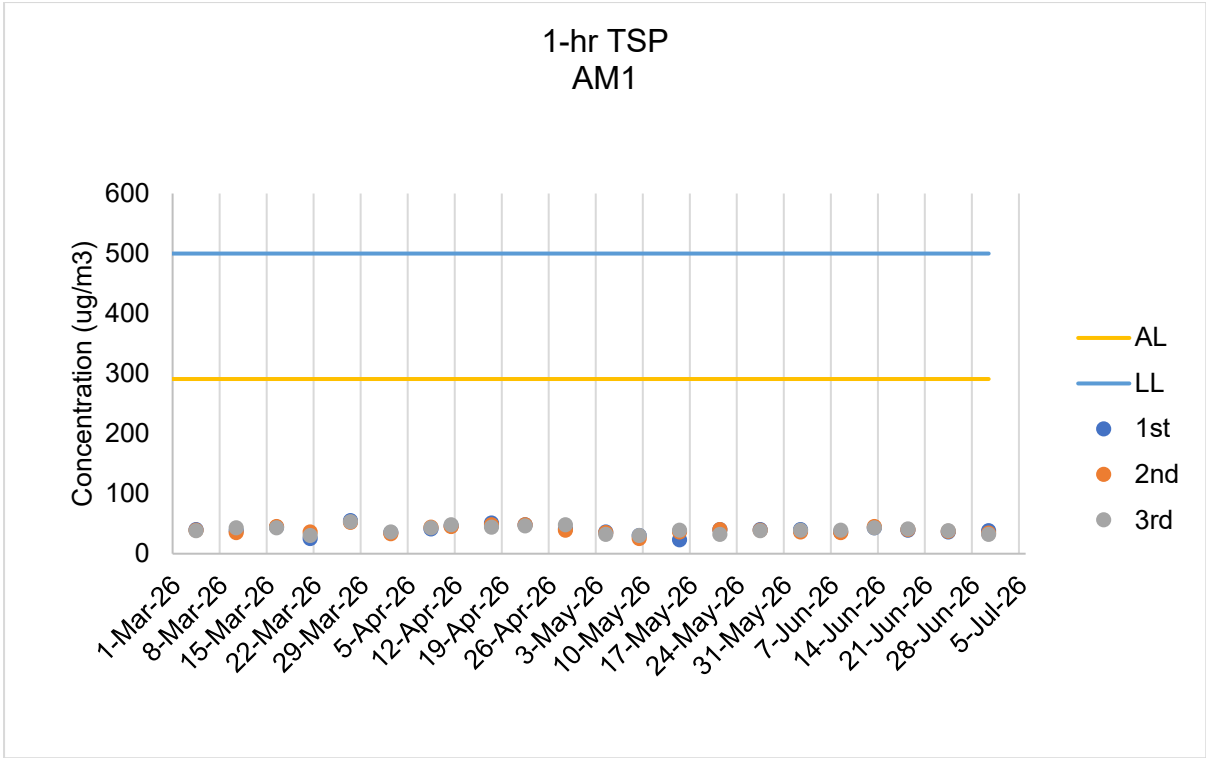
Notes:

1. Significant decline in abundance will be determined using two-tailed t-test, $\alpha = 0.05$.
2. Significant decline in species diversity will be determined using the Hutcheson t-test, two tailed.
3. Response will be triggered if any of the above level is reached for each parameter

Appendix D

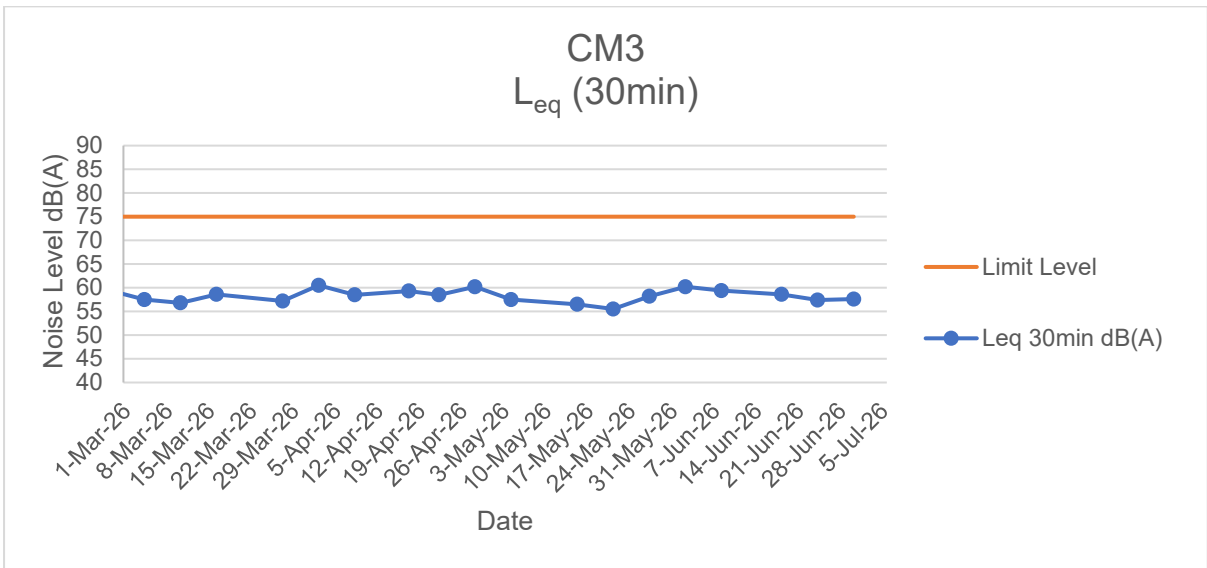
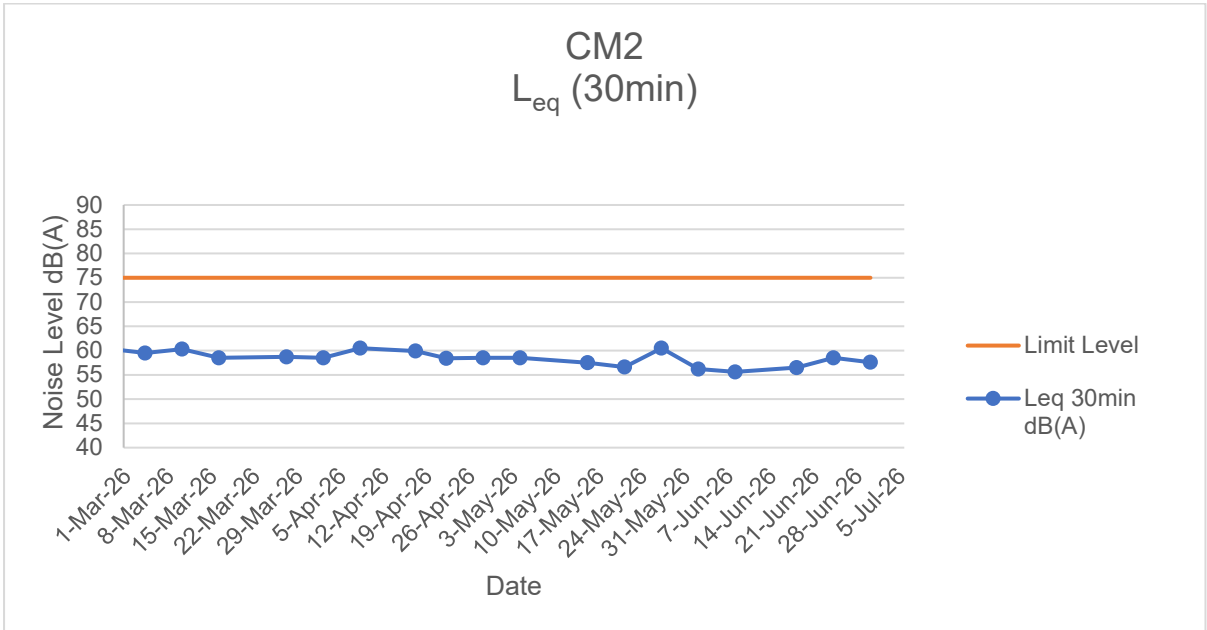
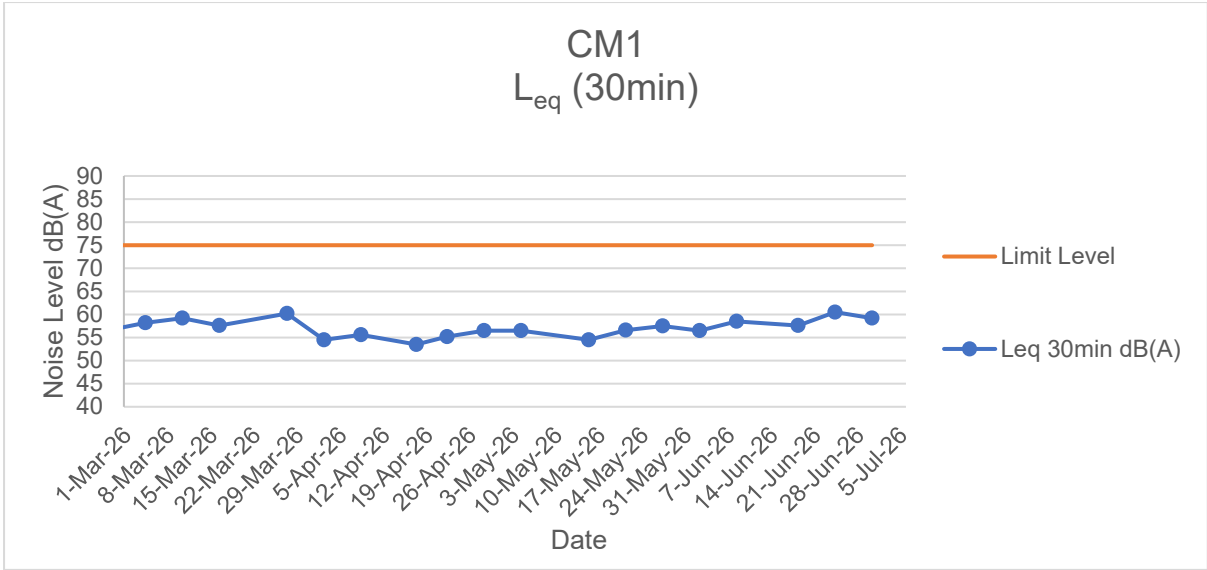
Graphical Presentation of Monitoring Data

Air Quality Monitoring Results



Air Quality Monitoring Results

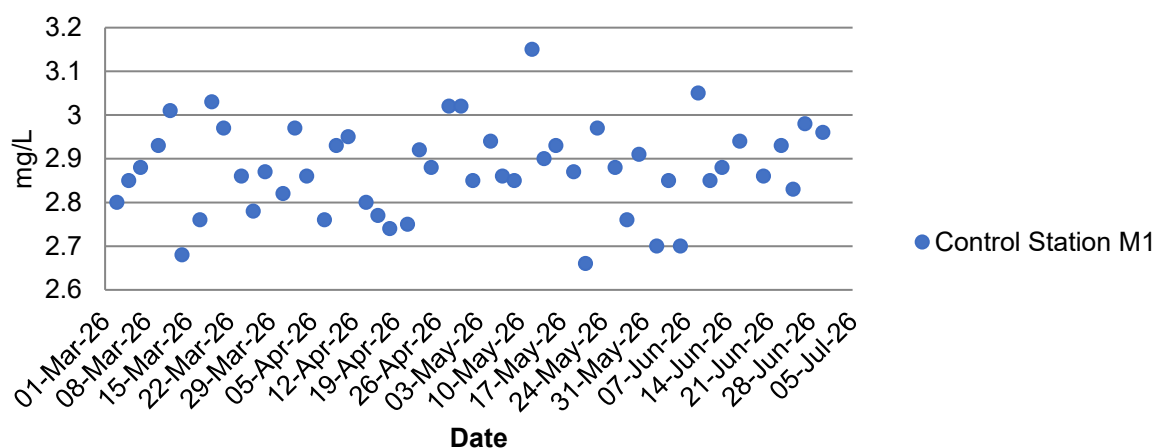
Noise Monitoring Results



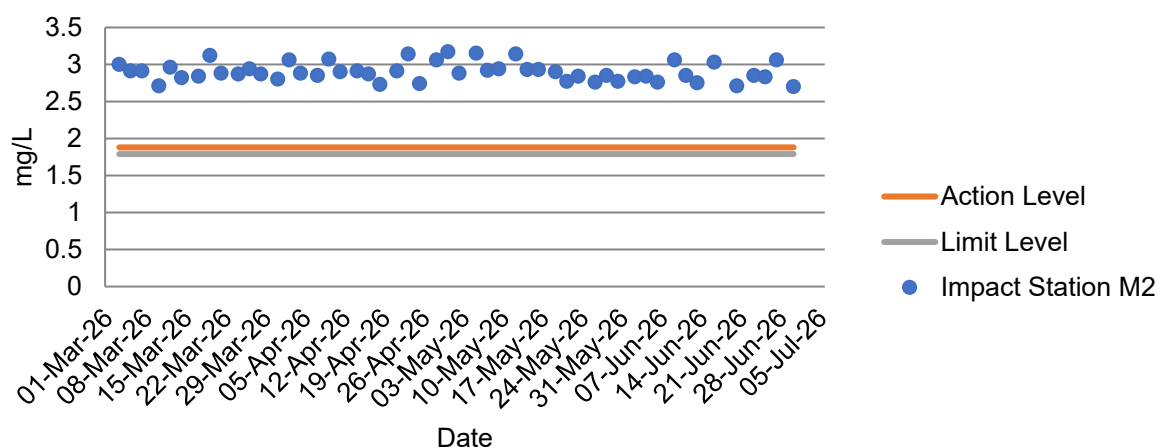
Noise Monitoring Results

Water Quality Monitoring Results

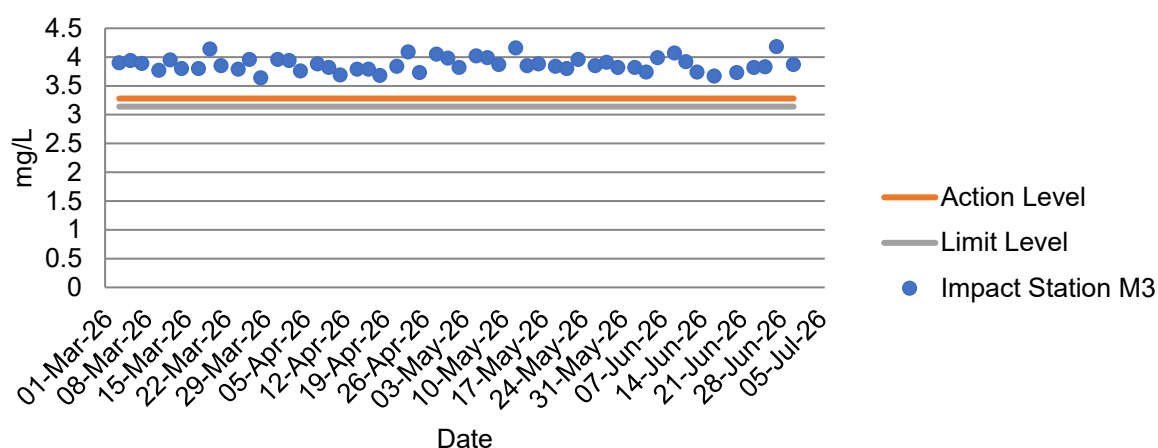
Dissolved Oxygen at Mid-Flood Tide



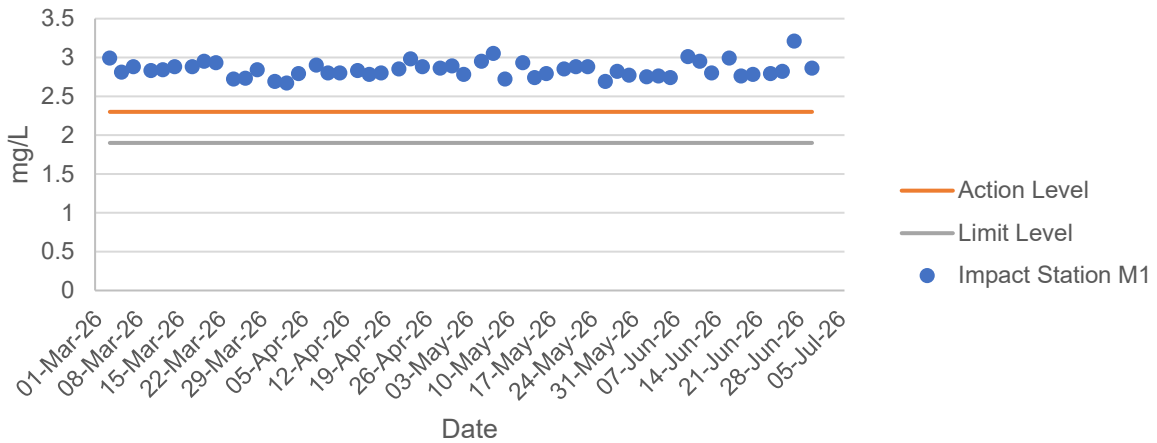
Dissolved Oxygen at Mid-Flood Tide



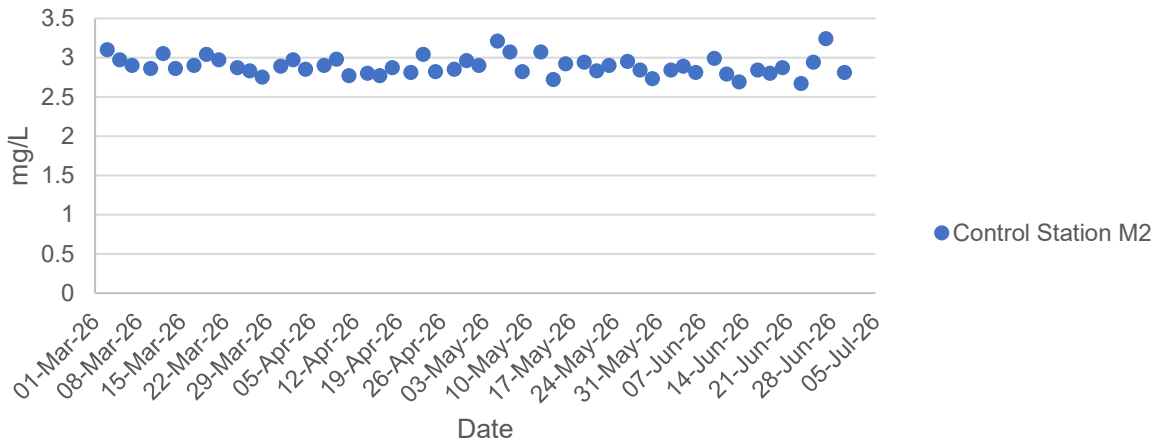
Dissolved Oxygen at Mid-Flood Tide



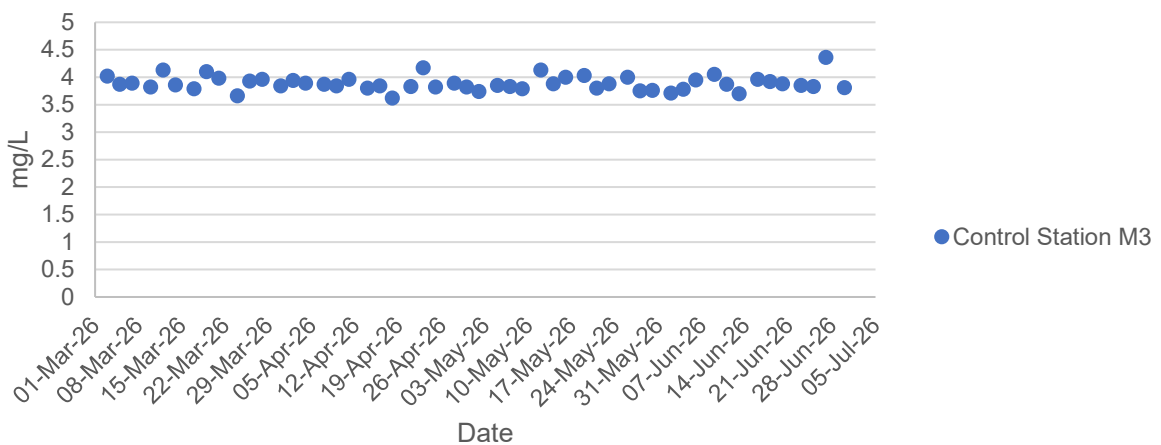
Dissolved Oxygen at Mid-Ebb Tide



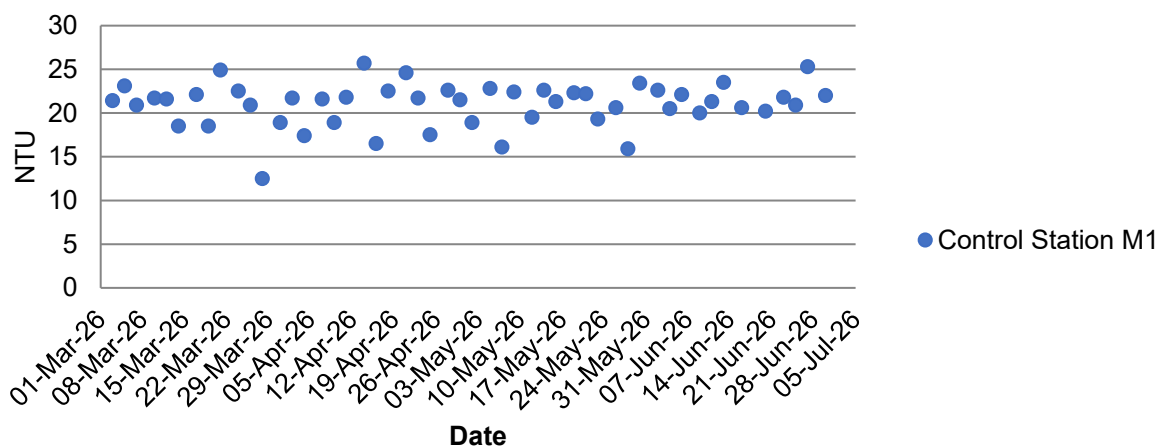
Dissolved Oxygen at Mid-Ebb Tide



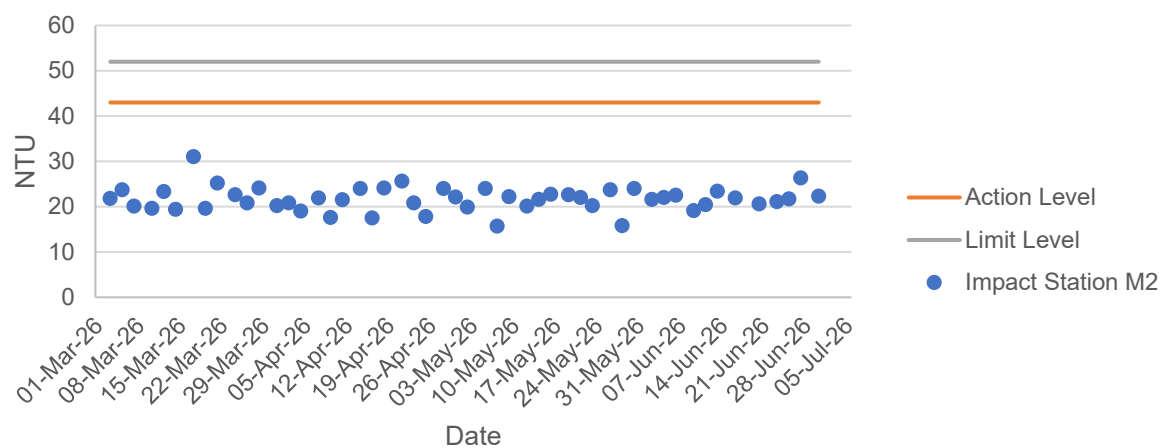
Dissolved Oxygen at Mid-Ebb Tide



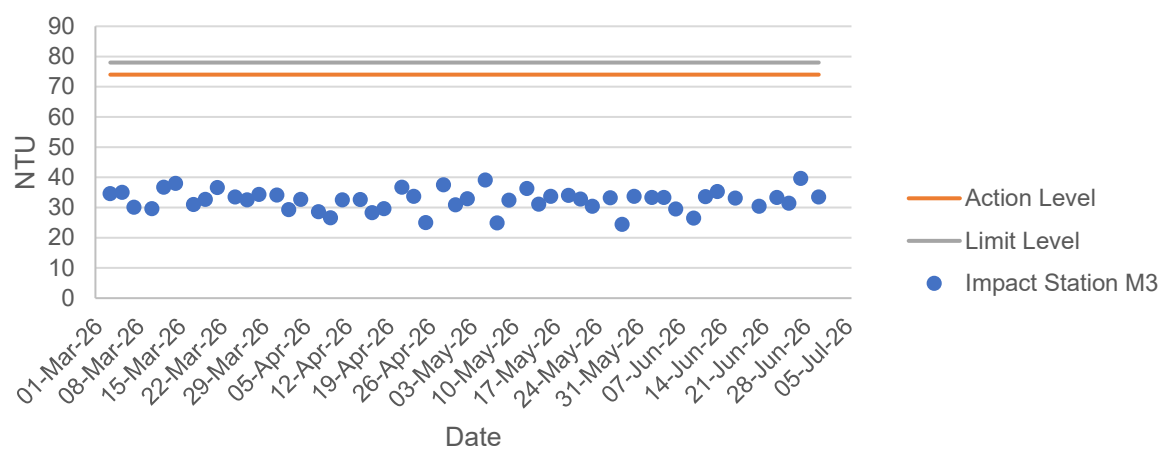
Turbidity at Mid-Flood Tide

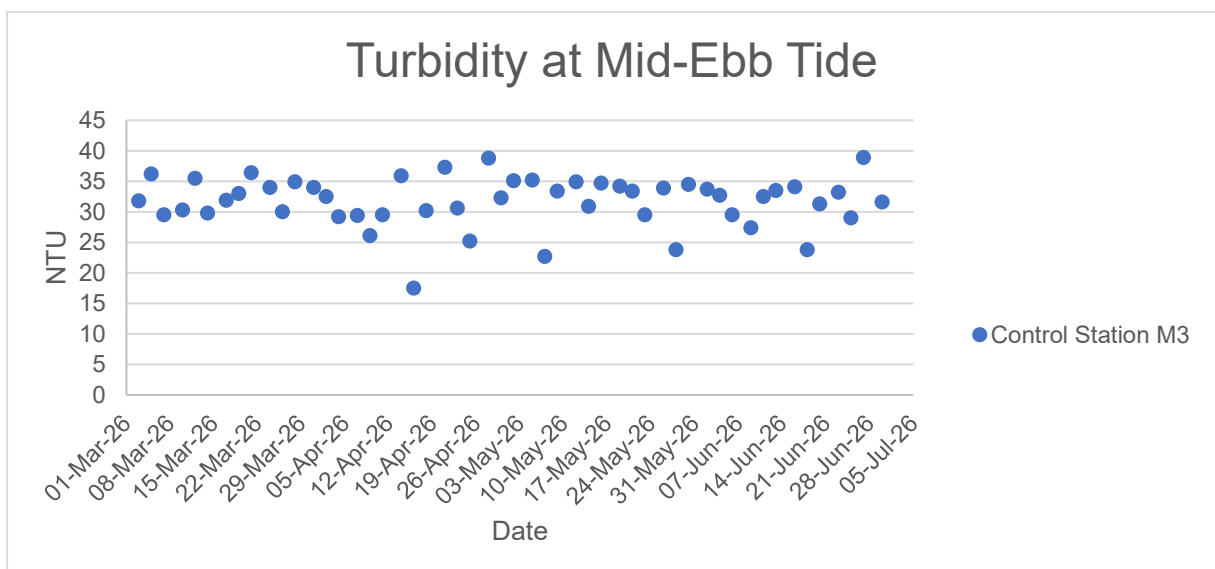
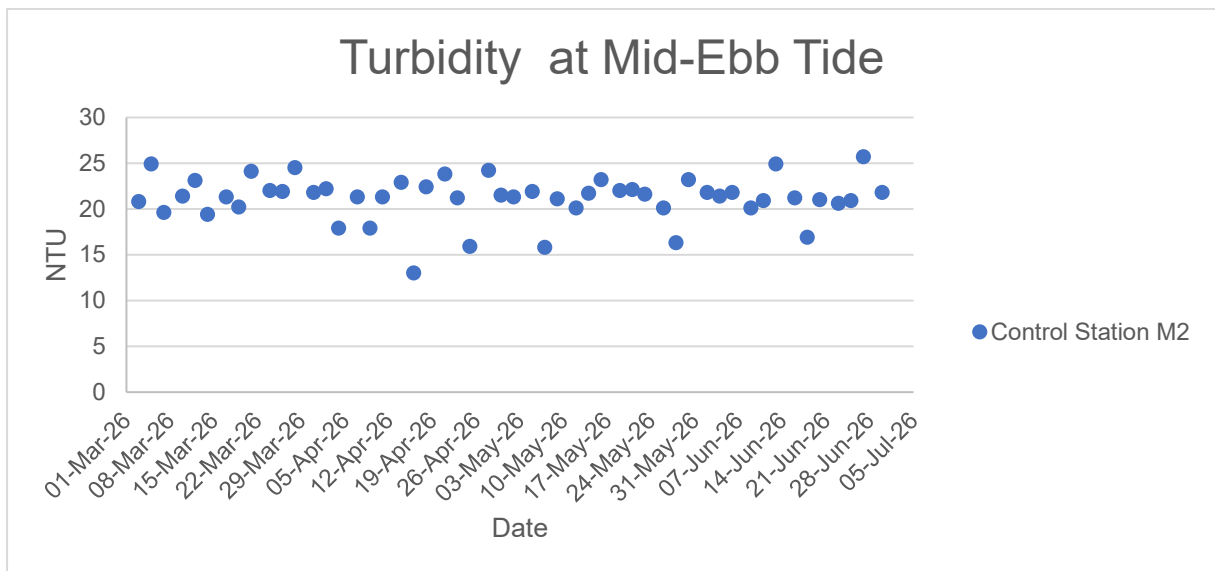
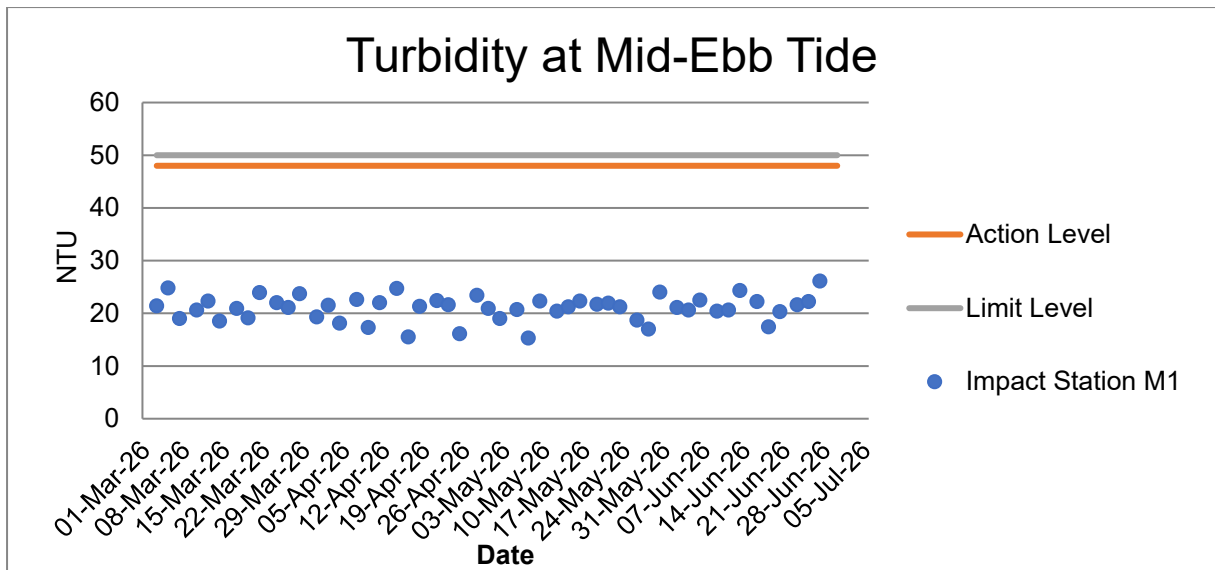


Turbidity at Mid-Flood Tide

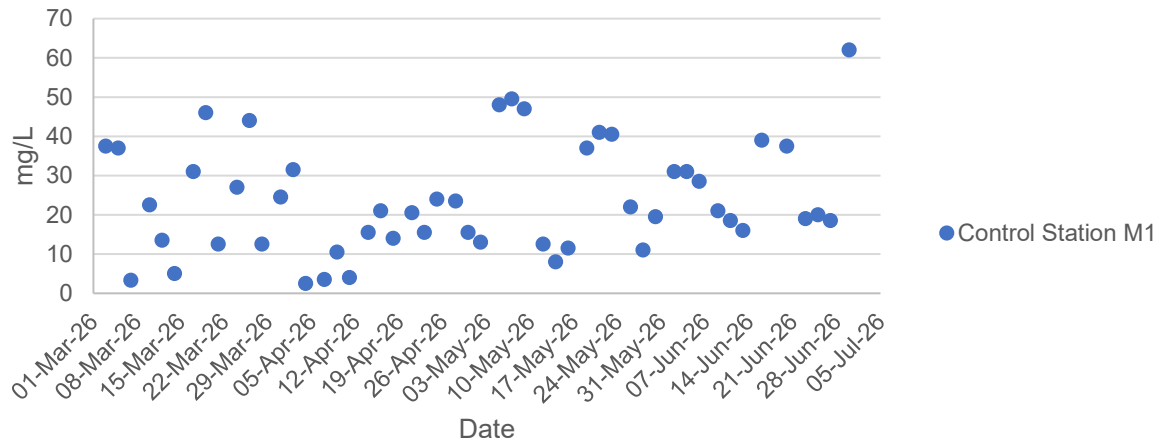


Turbidity at Mid-Flood Tide

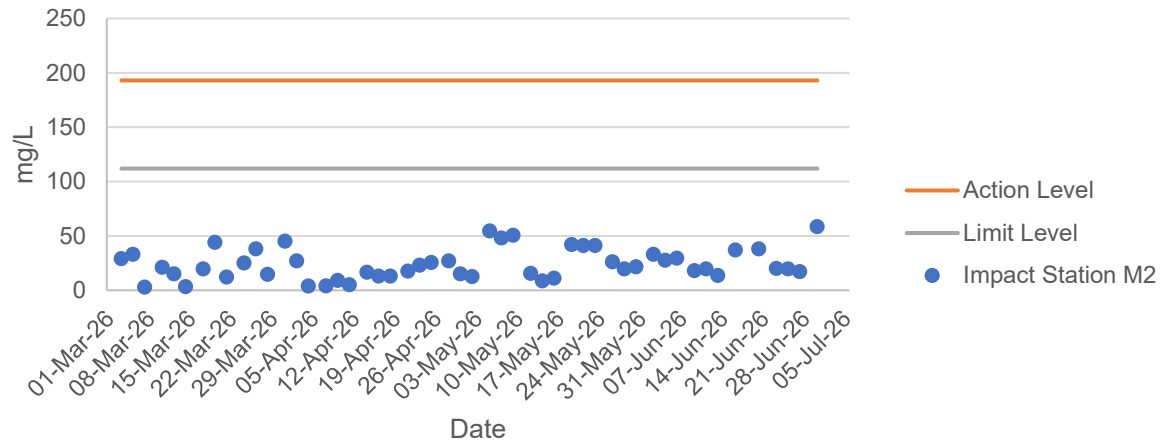




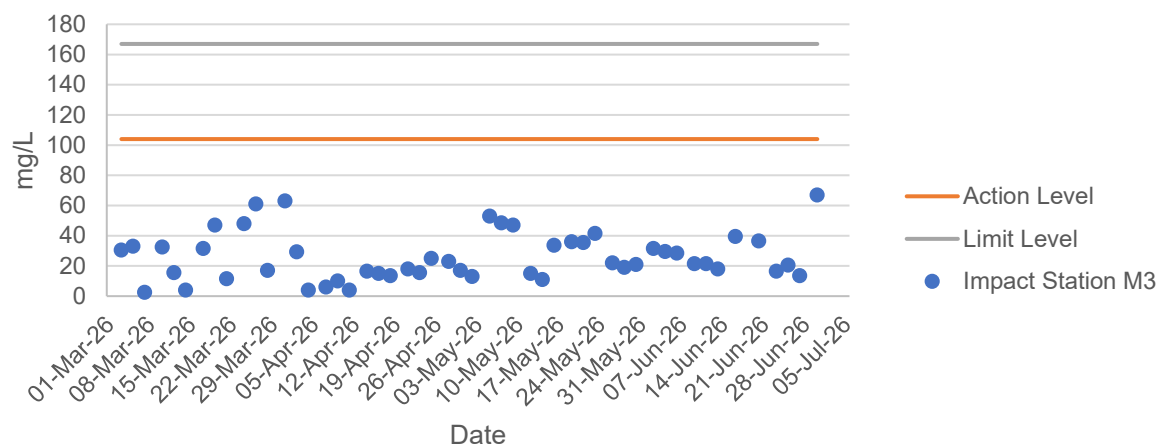
Total Suspended Solids at Mid-Flood Tide



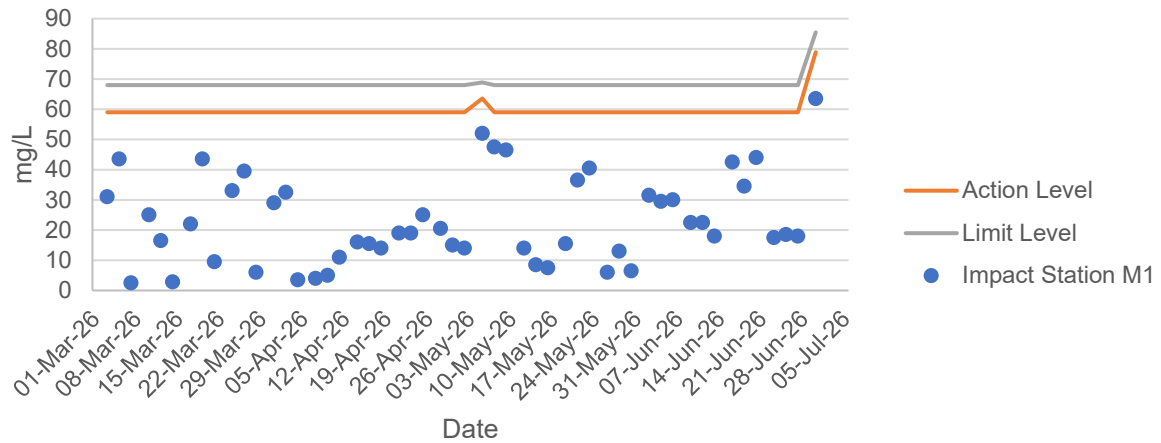
Total Suspended Solids at Mid-Flood Tide



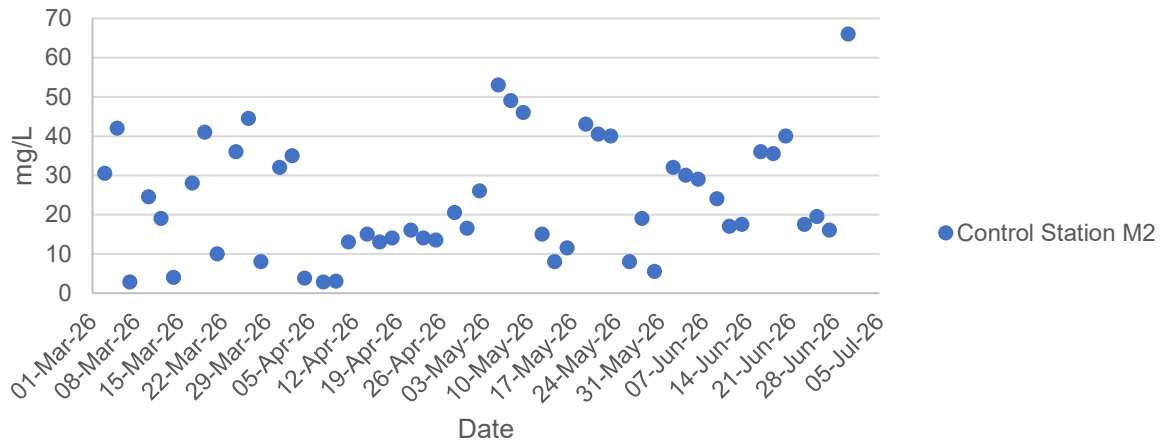
Total Suspended Solids at Mid-Flood Tide



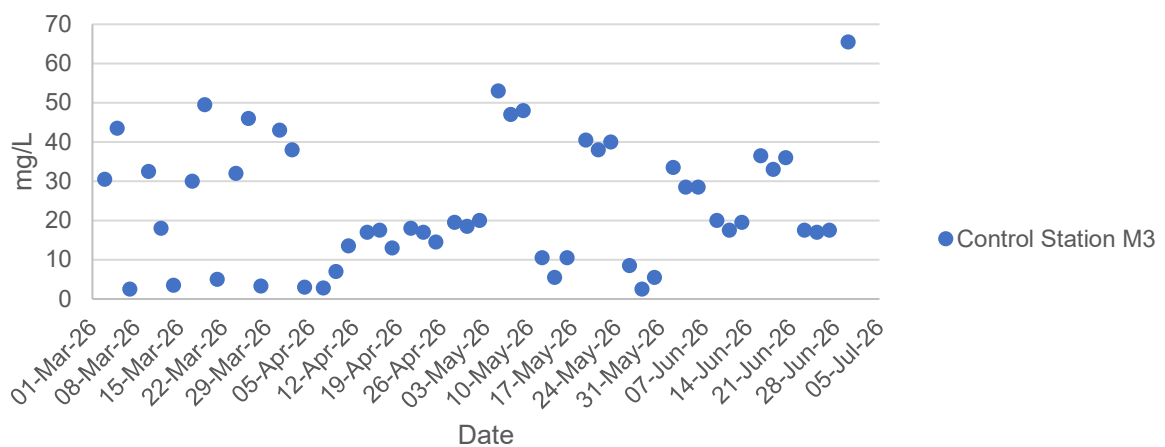
Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide



Total Suspended Solids at Mid-Ebb Tide

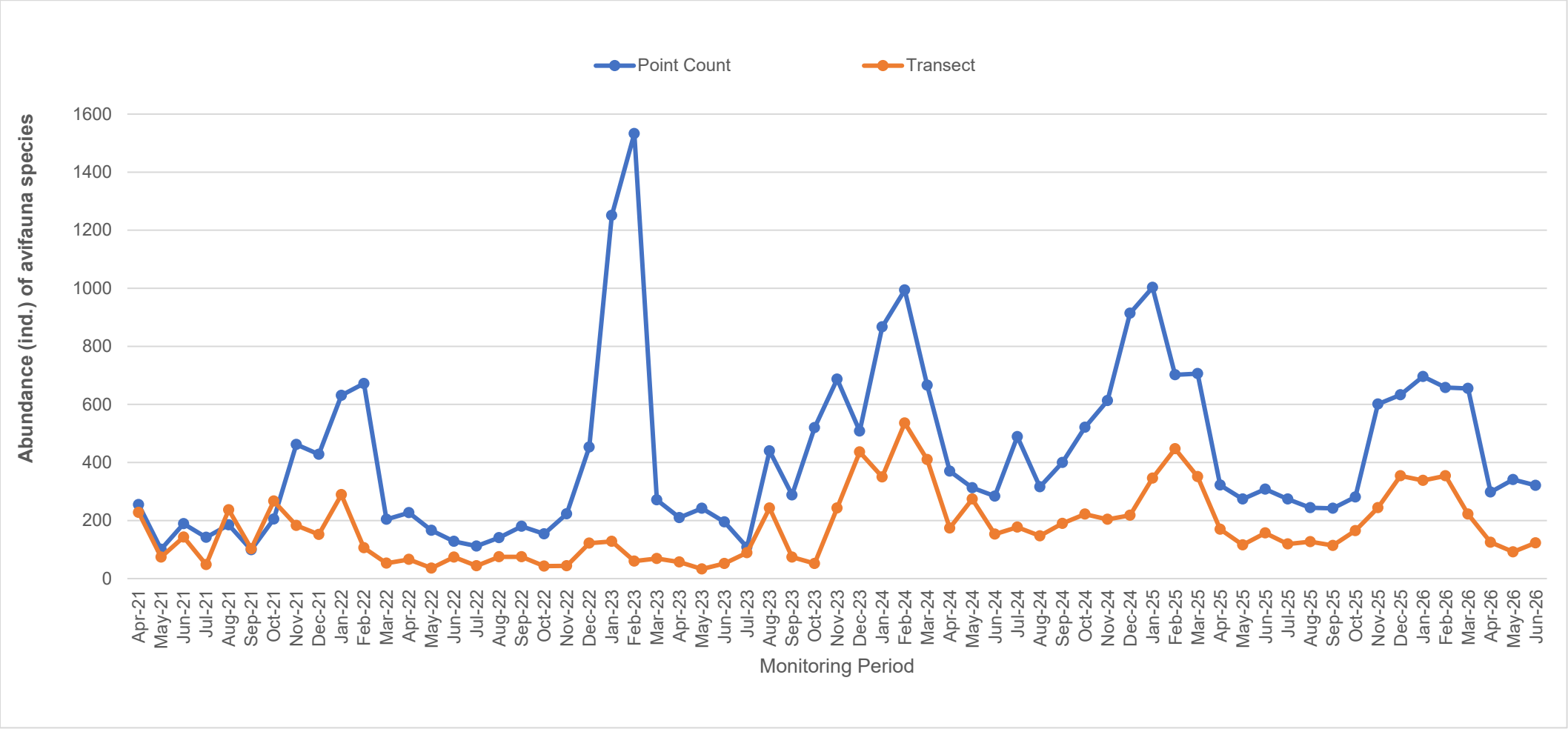


Ecology Monitoring Results for

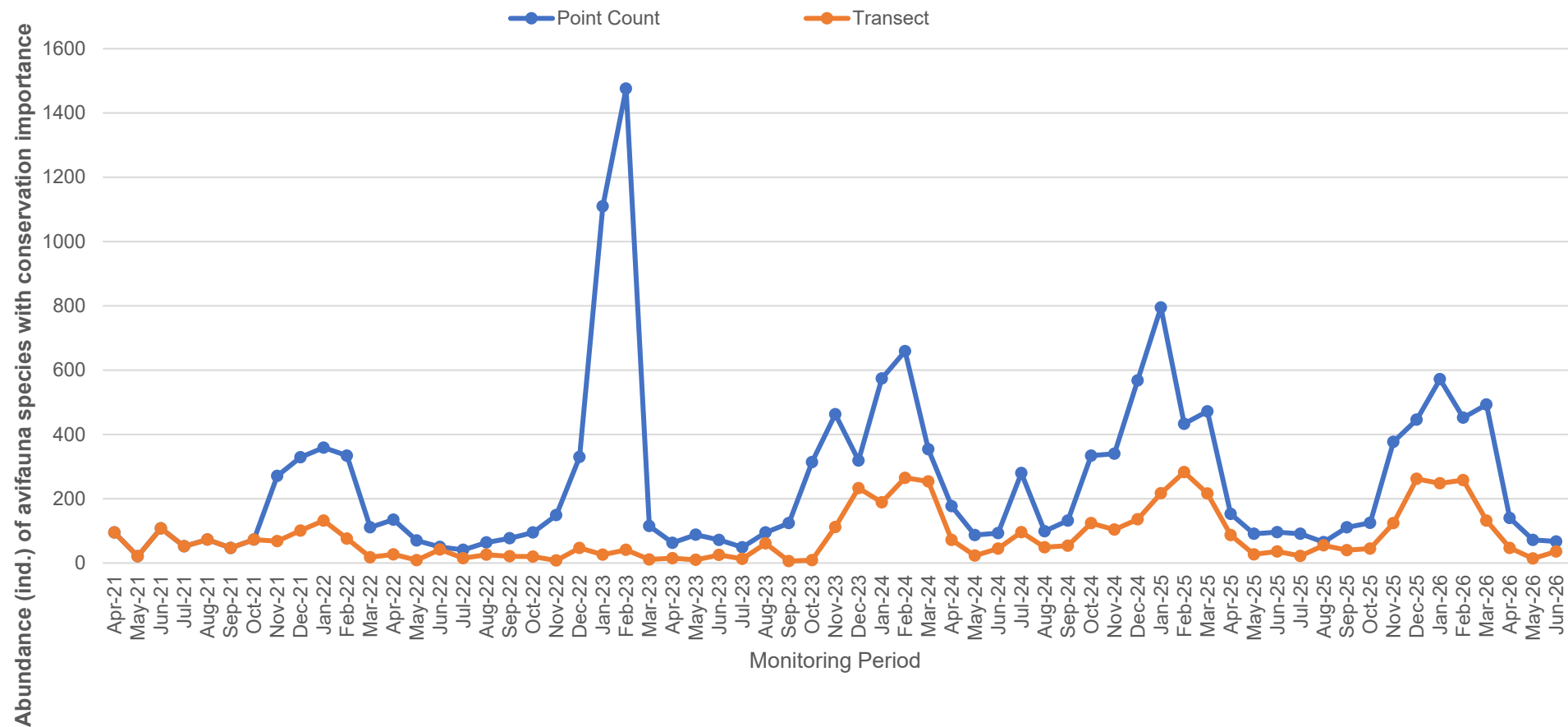
Contract No. SPW 01/2025

Environmental Team for Construction of Yuen
Long Effluent Polishing Plant Stage 1

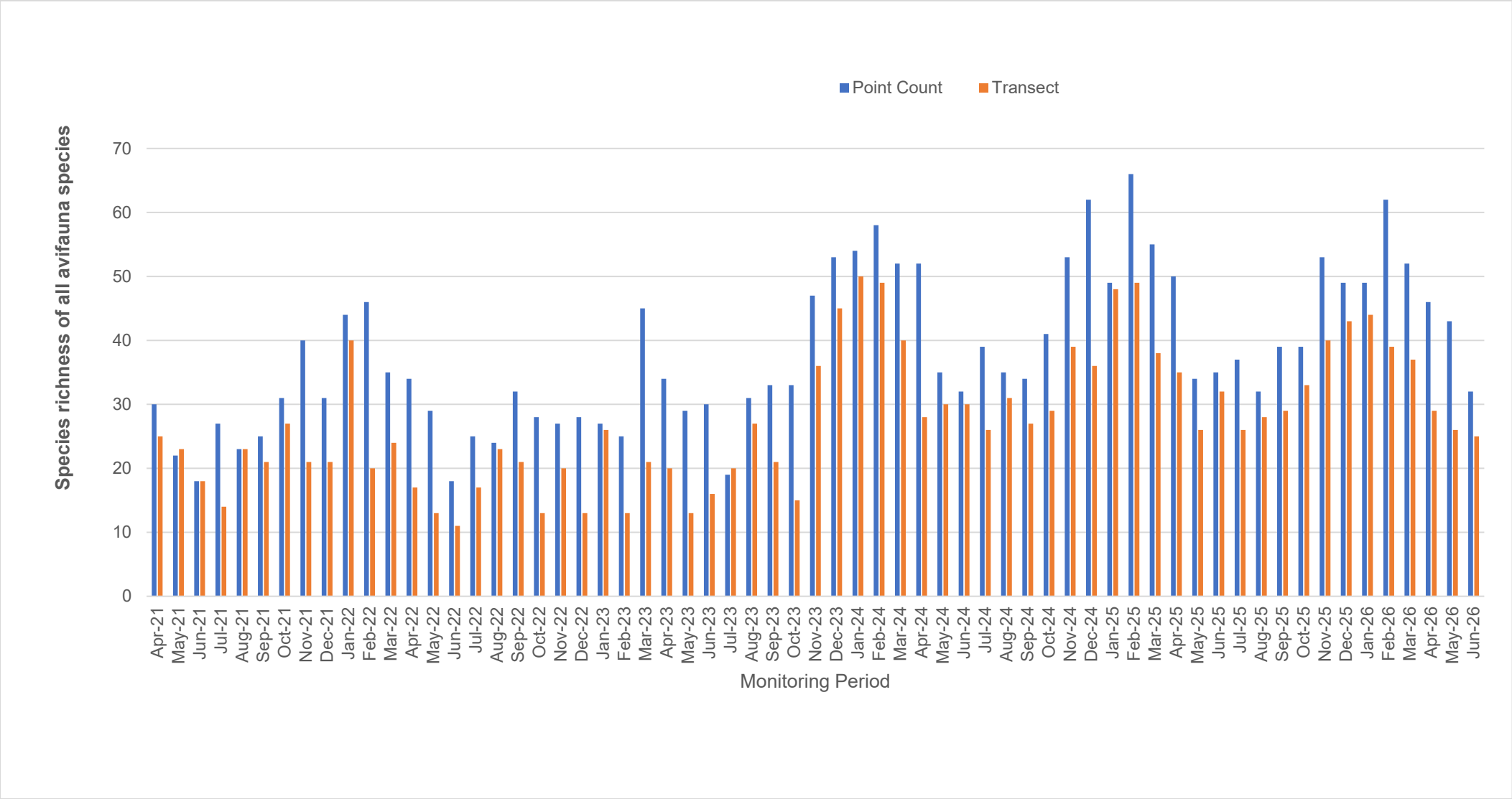
Abundance of all avifauna species throughout the monitoring period



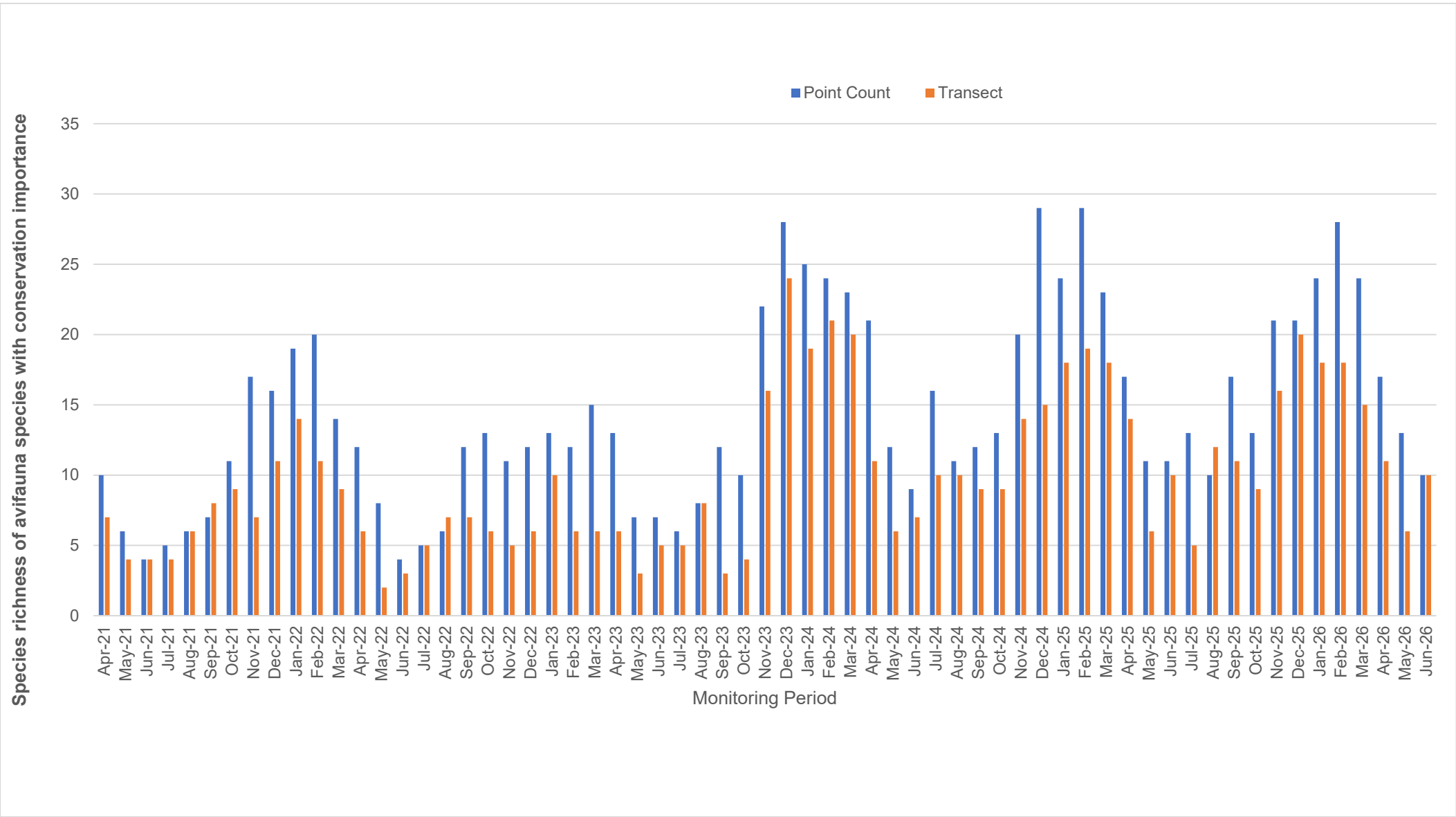
Abundance of avifauna species with conservation importance throughout the monitoring period



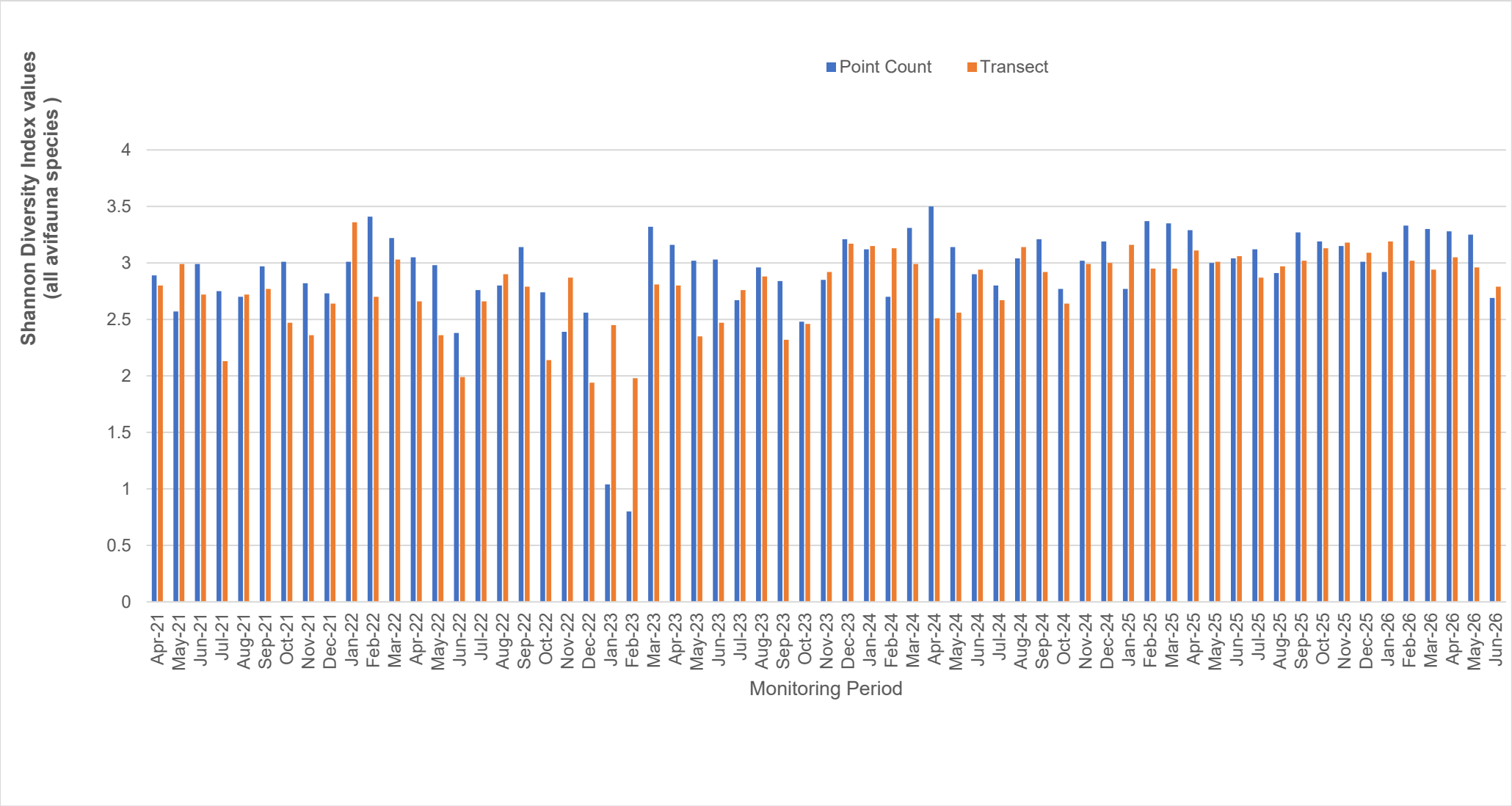
Species richness of all avifauna species throughout the monitoring period



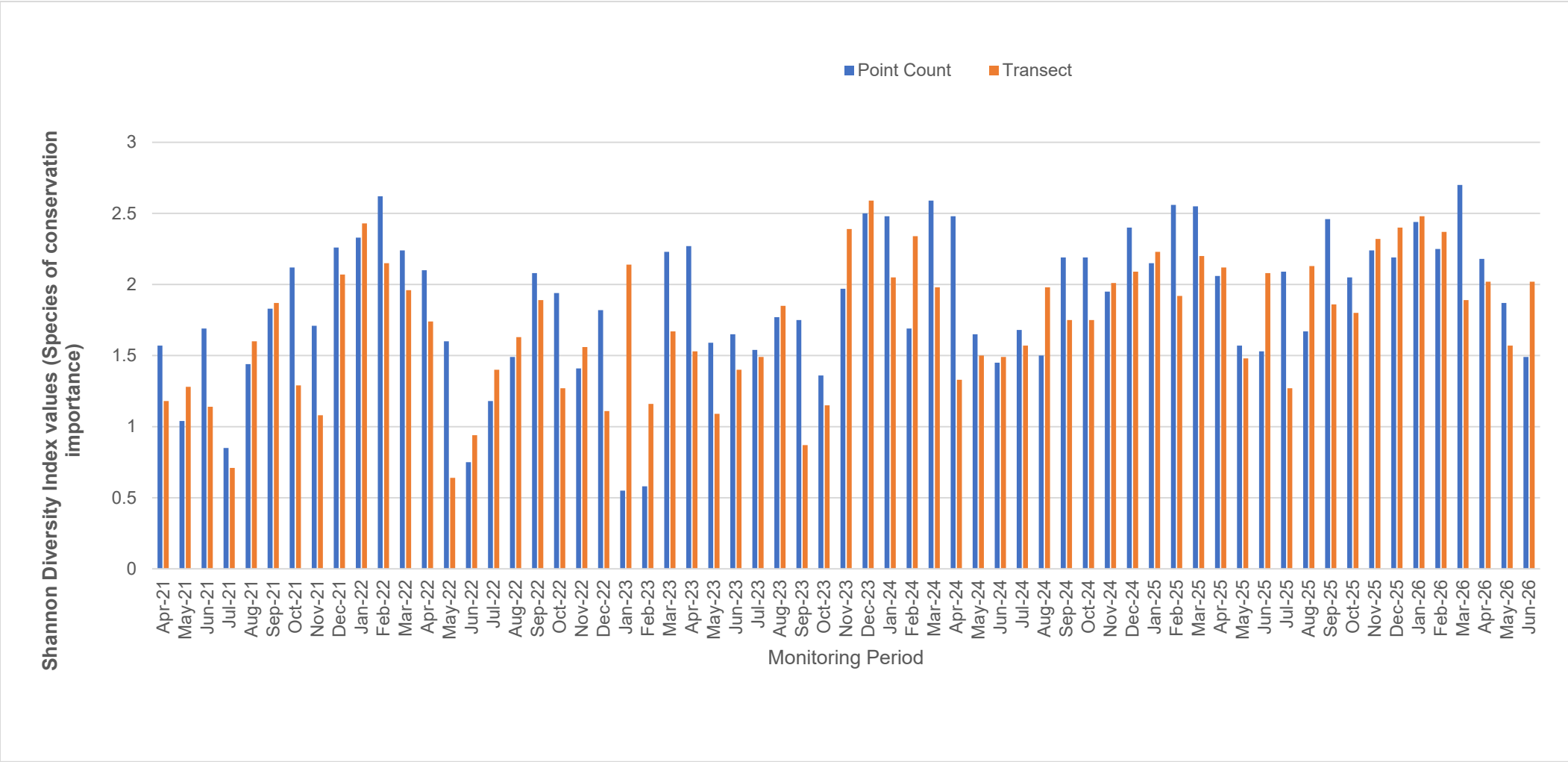
Species richness of avifauna species with conservation importance throughout the monitoring period



Shannon Diversity Index values of all avifauna species throughout the monitoring period



Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix E

Event and Action Plans

Event and Action Plan for Air Quality (Construction Dust)

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by	1. Identify source, investigate the causes of complaint and propose remedial measures; 2. Inform Contractor, IEC and ER; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; and 3. Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	1. Identify source(s), investigate the causes of exceedance and propose remedial measures; 2. Implement remedial measures; and 3. Amend working methods agreed with the ER as appropriate.
Action level being exceeded by two or more consecutive sampling	1. Identify source; 2. Inform Contractor, IEC and ER; 3. Advise the Contractor and 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 Contractor, IEC and ER; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise the ET and ER on the effectiveness of the proposed remedial measures; and 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source and investigate the causes of exceedance; 2. Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal as appropriate.
Limit level being exceeded by one sampling	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 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; and 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; and 5. Amend proposal if appropriate.
Limit level being exceeded by two or more consecutive sampling	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; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET; 2. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 3. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 4. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Supervise the implementation of remedial measures; and 4. 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. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; 4. Implement the agreed proposals; 5. Revise and resubmit proposals if problem still not under control; and 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Noise (Construction)

Event	Action			
	ET	IEC	ER	Contractor
Action Level	1. Notify IEC 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; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analyzed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 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 analyzed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC; and 2. Implement noise mitigation proposals.
Limit Level	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; and 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; and 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 analyzed noise problem; 4. Ensure remedial measures properly implemented; and 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; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Water Quality Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD.	1. Confirm receipt of notification of exceedance in writing	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice
Action level being exceeded by two or more consecutive sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Consider changes of working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.
Limit level being exceeded by one sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented. 4. Request Contractor(s) to critically review the working methods.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.
Limit level being exceeded by two or more consecutive sampling	1. Repeat in situ measurement on the next day of exceedance to confirm findings; 2. Check monitoring data, plant, equipment and Contractor(s)'s working methods; 3. Identify source(s) of impact and record in notification of exceedance; 4. Inform IEC, Contractor(s) and ER; 5. Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.	1. Check monitoring data submitted by ET and Contractor(s)'s working methods; 2. Inform EPD and AFCD; 3. Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly; 4. Assess the effectiveness of the implemented mitigation measures.	1. Confirm receipt of notification of exceedance in writing; 2. Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented. 3. Ensure additional mitigation measures are properly implemented. 4. Request Contractor(s) to critically review the working methods.	1. Confirm receipt of notification of exceedance in writing; 2. Check plant and equipment and rectify unacceptable practice; 3. Critically review the need to change working methods; 4. Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days; 5. Implement the agreed mitigation measures.

Event and Action Plan for Ecology Monitoring

Event	Action			
	ET	IEC	ER	Contractor
Action Level	1. Notify IEC 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; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analyzed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 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 analyzed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC; and 2. Implement noise mitigation proposals.
Limit Level	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; and 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; and 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; and 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; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Appendix F

Waste Flow Table

Monthly Summary Waste Flow Table June 2026

Month	Total Quantity Generated (see Note 4) (A)	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-Inert C&D Wastes Generated Monthly				
		Hard Rock and Large Broken Concrete (B)	Reused in the Contract (C)	Reused in other Projects (D)	Disposed as Public Fill (see Note 6) (E)	Imported Fill (F)	Metals (G) (see Note 6)	Paper/ cardboard packaging (H)	Plastics (see Note 2) (I)	Chemical Waste (J)	Others, e.g. general refuse# (K)
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Up to 2025	393,357.57	195.71	0.00	0.00	383,600.81	13,520.69	4,375.30	6.0944	0.0593	1.18	5,178.42
Jan 2026	740.99	0.00	0.00	0.00	469.63	0.00	0.00	0.1497	0.0000	0.00	271.21
Feb 2026	389.27	0.00	0.00	0.00	224.78	0.00	0.00	0.1209	0.0102	0.00	164.35
Mar 2026	2,060.41	0.00	0.00	0.00	1,801.59	0.00	0.00	0.0000	0.0000	0.00	258.82
Apr 2026	1,871.48	0.00	0.00	0.00	1,593.98	0.00	0.00	0.2329	0.0054	0.00	277.26
May 2026	2,214.86	0.00	0.00	0.00	1,980.90	0.00	0.00	0.0000	0.0000	0.18	233.78
Jun 2026	736.09	0.00	0.00	0.00	576.78	0.00	0.00	0.1709	0.0067	0.00	159.13
Jul 2026											
Aug 2026											
Sept 2026											
Oct 2026											
Nov 2026											
Dec 2026											
Sub-total	8,013.09	0.00	0.00	0.00	6,647.66	0.00	0.01	0.6744	0.0223	0.18	1,364.55

Notes:

- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
 (3) Updated figures are presented during the reporting month.
 (4) $A=B+C+D+E+G+H+I+J+K$
 (5) Disposal Records to Government facilities till 1st July 2026
 (6) Data may be continuously updated due to receipt timing.

Remark:

Sources/ reference of the waste flow data; From the Contractor

Monthly Summary Waste Flow Table June 2026

Month	Total Quantity Generated (see Note 4) (A)	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of Non-Inert C&D Wastes Generated Monthly				
		Hard Rock and Large Broken Concrete (B)	Reused in the Contract (C)	Reused in other Projects (D)	Disposed as Public Fill (see Note 6) (E)	Imported Fill (F)	Metals (G) (see Note 6)	Paper/ cardboard packaging (H)	Plastics (see Note 2) (I)	Chemical Waste (J)	Others, e.g. general refuse# (K)
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Up to 2025	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Jan 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Feb 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Mar 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Apr 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
May 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Jun 2026	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Jul 2026											
Aug 2026											
Sept 2026											
Oct 2026											
Nov 2026											
Dec 2026											
Sub-total	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Notes:

- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.
- (3) Updated figures are presented during the reporting month.
- (4) $A=B+C+D+E+G+H+I+J+K$
- (5) Disposal Records to Government facilities till 1st July 2026
- (6) Data may be continuously updated due to receipt timing.

Remark:

Sources/ reference of the waste flow data; From the Contractor

Appendix G

Implementation Status of Environmental Mitigation Measures

Construction of Yuen Long Effluent Polishing Plant Stage 1

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Air Quality Impact (Construction Phase)			
3.6.1.6	Watering once per every two hours on active works areas to reduce dust emission.	All active works areas during construction phase	Implemented
3.8.1.1	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices listed below shall be carried out to further minimize construction dust impact:		
	Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.	Construction Sites	Implemented
	Use of frequent watering for particularly dusty construction areas and areas close to ASRs.		Implemented
	Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.		Implemented
	Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.		Implemented
	Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.		Implemented
	Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.		Implemented
	Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.		N/A
	Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.		Implemented
	Imposition of speed controls for vehicles on site haul roads.		Implemented
	Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.		Implemented
	Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Noise Impact (Construction Phase)			
4.8.1	Movable noise barriers are recommended for hydraulic breakers mounted on excavators to be adopted during construction.	Construction Sites	N/A
	Good site practices listed below and the noise control requirements stated in EPD’s “Recommended Pollution Control Clauses for Construction Contracts” should be included in the Contract Specification for the Contractors to follow and should be implemented to further minimize the potential noise impacts during the construction phase of the Project.		Implemented
	Quiet PME, such that those listed in EPD’s Quality Powered Mechanical Equipment, should be considered for construction works to further minimize the potential construction noise impact.		Implemented
	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.		Implemented
	Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction programme.		Implemented
	Mobile plant, if any, should be sited as far away from noise sensitive receivers (NSRs) as possible.		N/A
	Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.		Implemented
	Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs		N/A
	Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities.		N/A
Water Quality Impact (Construction Phase)			
5.8.1.2	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities	Construction Sites / Construction Phase	Implemented
5.8.1.3	All vehicles and plant should be cleaned before they leave a construction site to minimise the deposition of earth, mud, debris on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	Construction Sites / Construction Phase	Implemented
5.8.1.4	Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.5 - 5.8.1.6	The site practices outlined in ProPECC PN 1/94 “Construction Site Drainage” should be followed where applicable to minimise surface run-off and the chance of erosion. Surface run-off from construction sites should be discharged into storm drains via adequately designed sand / silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels at site boundaries should be provided as necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	Construction Sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
5.8.1.7	Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly (as well as at the onset of and after each rainstorm) to prevent overflows and localised flooding.	Construction Sites / Construction Phase	Implemented
5.8.1.8	Construction works should be programmed to minimise soil excavation in the wet season (i.e. April to September). If soil excavation cannot be avoided in these months or at any time of year when rainstorms are likely, temporarily exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm run-off from washing across exposed soil surfaces.	Construction Sites / Construction Phase	Implemented
5.8.1.9	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary	Construction Sites / Construction Phase	Implemented
5.8.1.10	Measures should be taken to minimise the ingress of rainwater into trenches. If excavation of trenches in the wet season is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	Construction Sites / Construction Phase	Implemented
5.8.1.11	Construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms	Construction Sites / Construction Phase	Implemented
5.8.1.12	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	Construction Sites / Construction Phase	Implemented
5.8.1.13	The practices outlined in Environment, Transport and Works Bureau (ETWB) TC (Works) No. 5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works" should also be adopted where applicable to minimise the water quality impacts upon any natural streams or surface water systems.	Construction Sites / Construction Phase	Implemented
5.8.1.14	Sufficient chemical toilets should be provided in the works areas. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.15	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment.	Construction Sites / Construction Phase	Implemented
5.8.1.16	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The WDO (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes.	Construction Sites / Construction Phase	Implemented
5.8.1.17	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	Construction Sites / Construction Phase	N/A
5.8.1.18	Disposal of chemical wastes should be carried out in compliance with the WDO. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the WDO should be followed to avoid leakage or spillage of chemicals.	Construction Sites / Construction Phase	Implemented
5.8.1.19	All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS).	Construction Sites / Construction Phase	Implemented
5.8.2.11	Chemical should be stored on site at bunded area and separate drainage system as appropriate should be provided to avoid any spilled chemicals from entering the storm drain in case of accidental spillage. Also, adequate tools for cleanup of spilled chemicals should be stored on site and appropriate training shall be provided to staffs to further prevent potential adverse water quality impacts from happening.	Project site / Design and Operation Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Waste Management Implication (Construction Phase)			
6.6.1.3	<u>Good Site Practices</u> Recommendations for good site practices during the construction phase include:		
	Nomination of approved personnel, such as a site manager, to be responsible for good site practices, and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility;	Construction Sites	Implemented
	Training of site personnel in proper waste management and chemical waste handling procedures;		Implemented
	Provision of sufficient waste reception/ disposal points, of a suitable vermin-proof design that minimises windblown litter;		N/A
	Arrangement for regular collection of waste for transport off-site and final disposal;		Implemented
	Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;		Implemented
	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;		Implemented
	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed; and		Implemented
	A WMP should be prepared and should be submitted to the Engineer for approval. One may make reference to ETWB TCW No. 19/2005 for details.		Implemented
6.6.1.5	<u>Waste Reduction Measures</u> Recommendations to achieve waste reduction include:		
	Segregate and store different types of construction related waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;	Construction Sites	Implemented
	Provide separate labelled bins to segregate recyclable waste such as aluminium cans from other general refuse generated by the work force, and to encourage collection by individual collectors;		Implemented
	Any unused chemicals or those with remaining functional capacity shall be recycled;		N/A
	Maximising the use of reusable steel formwork to reduce the amount of C&D material;		Implemented
	Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill;		Implemented
	Adopt proper storage and site practices to minimise the potential for damage to, or contamination of, construction materials;		Implemented
	Plan the delivery and stock of construction materials carefully to minimise the amount of surplus waste generated;		N/A
	Adopt pre-cast construction method instead of cast-in-situ method for construction of concrete structures as much as possible; and		N/A
Minimise over ordering of concrete, mortars and cement grout by doing careful check before ordering.	N/A		

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.7	<u>Storage of Waste</u> Recommendations to minimise the impacts include:		
	Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution;	Construction Sites	Implemented
	Maintain and clean storage areas routinely;		Implemented
	Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and		Implemented
	Different locations should be designated to stockpile each material to enhance reuse.		Implemented
6.6.1.8	<u>Collection of Waste</u> Licensed waste haulers should be employed for the collection and transportation of waste generated. The following measures should be enforced to minimise the potential adverse impacts:		
	Remove waste in timely manner;	Construction Sites	Implemented
	Waste collectors should only collect wastes prescribed by their permits;		Implemented
	Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers;		Implemented
	Obtain relevant waste disposal permits from the appropriate authorities, in accordance with the WDO (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);		Implemented
	Waste should be disposed of at licensed waste disposal facilities; and		Implemented
	Maintain records of quantities of waste generated, recycled and disposed.		Implemented
6.6.1.10	<u>Transportation of Waste</u> In order to monitor the disposal of C&D materials at PFRFs and landfills and to control fly-tipping, a trip-ticket system should be established in accordance with DEVB TCW No. 6/2010. A recording system for the amount of waste generated, recycled and disposed, including the disposal sites, should also be set up. Warning signs should be put up to remind the designated disposal sites. CCTV should be installed at the vehicular entrance and exit of the site as additional measures to prevent fly-tipping.	Transportation Route of Waste / Construction Phase	Implemented
6.6.1.12	<u>Construction and Demolition Material</u> Careful design, planning together with good site management can reduce over-ordering and generation of C&D materials such as concrete, mortar and cement grouts. Formwork should be designed to maximize the use of standard wooden panels, so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse	Construction Sites	N/A
6.6.1.13	The excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below:		
	A WMP, which becomes part of the EMP, should be prepared in accordance with ETWB TCW No.19/2005;	Construction Sites	Implemented
	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and		Implemented
	In order to monitor the disposal of C&D materials at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to DEVB TCW 06/2010).		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.14	It is recommended that specific areas should be provided by the Contractors for sorting and to provide temporary storage areas (if required) for the sorted materials. Control measures for temporary stockpiles on-site should be taken in order to minimise the noise, generation of dust and pollution of water. These measures include:		
	Surface of stockpiled soil should be regularly wetted with water especially during dry season;	Construction Sites	Implemented
	Disturbance of stockpile soil should be minimised;		Implemented
	Stockpiled soil should be properly covered with tarpaulin especially when heavy storms are predicted; and		Implemented
	Stockpiling areas should be enclosed where space is available.		Implemented
6.6.1.15	The Contactor should prepare and implement an EMP in accordance with ETWB TCW No.19/2005, which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. Such a management plan should incorporate site-specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor, preferably on a monthly basis.	Construction Sites	Implemented
6.6.1.16	The Contractor would be responsible for devising a system to work for on-site sorting of C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimise temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.	Construction Sites	Implemented
6.6.1.17 – 6.6.1.18	The sediment should be excavated, handled, transported and disposed of in a manner that would minimise adverse environmental impacts. To minimise sediment disposal, it is proposed to reuse the Type 1 sediment generated (e.g. as backfilling materials) as far as possible. Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during excavation, transportation and disposal of the sediment.	Construction Sites	N/A
6.6.1.19	Workers shall, if necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities shall also be provided on site.	Construction Sites	Implemented
6.6.1.20	For off-site disposal, the basic requirements and procedures specified under ETWB TC(W) No. 34/2002 shall be followed.	Transportation Route of Waste / Construction Phase	Implemented
6.6.1.24	Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiles should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).	Construction Sites	Implemented
6.6.1.25	In order to minimise the potential odour / dust emissions during excavation and transportation of the sediment, the excavated sediments shall be wetted during excavation / material handling and shall be properly covered when placed on trucks or barges. Loading of the excavated sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.	Construction sites & transportation route of waste / Construction phase	N/A
6.6.1.26	The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.	Transportation route of waste / Construction phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.27	Suitable containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall employ a licensed collector to transport and dispose of the chemical wastes, to the licensed CWTC, or other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Construction and Operation Phases	Implemented
6.6.1.28	It is recommended to place clearly labelled recycling bins at designated locations with convenient access. Other general refuse should be separated from chemical and industrial waste by providing separated bins or skips for storage to maximise the recyclable volume. A reputable licensed waste collector should be employed to remove general refuse on a daily basis to minimise odour, pest and litter impacts.	Construction and Operation Phases	Implemented
6.6.1.29	Should buildings be found with potential ACM, sufficient and reasonable lead time shall be allowed for preparation, vetting and implementation of Asbestos Investigation Report and Asbestos Abatement Plan in accordance with Air Pollution Control Ordinance before commencement of any demolition or site clearance work.	Demolition	N/A
Land Contamination			
7.8.1.2 - 7.8.1.3; 7.8.2.1	Prior to the commencement of the SI works, a review of the Contamination Assessment Plan (CAP) should be conducted to confirm whether the proposed SI works (e.g. sampling locations, testing parameters etc.) are still valid. Supplementary CAP(s), presenting findings of the review, the latest site conditions and updated sampling strategy and testing protocol, should be submitted to EPD for endorsement. The SI works should be carried out according to EPD's agreed supplementary CAP(s). SI works should be carried out according to the supplementary CAP endorsed by EPD. Following completion of SI works and receipt of laboratory test results, Contamination Assessment Report(s) ((CAR)(s)) should be prepared to present the findings of the SI works and to discuss the presence, nature and extent of contamination. If contamination is identified, Remedial Action Plan(s) ((RAP)(s)) which provides details of the remedial actions for the identified contaminated soil and / or groundwater should be endorsed by EPD. The possible remediation methods are detailed in Section 5.2 of the CAP provided in Appendix 7.1 of the EIA Report, Remediation action, if necessary, will be carried out according to EPD endorsed RAP(s) and Remediation Report(s) (RR(s)) will be submitted after completion of the remediation action. The RR(s) should be endorsed by EPD prior to the commencement of construction works at the respective identified contaminated areas (if any).	Existing YLSTW /Construction Phase (after decommissioning of the concerned facilities / areas but prior to the construction works at the concerned facilities / areas)	Implemented
7.8.3.1	The mitigation measures will be recommended in the RAP and would typically include the following:		
	Excavation profiles must be properly designed and executed with attention to the relevant requirements for environment, health and safety;	Project Site / Construction Phase	Implemented
	Excavation shall be carried out during dry season as far as possible to minimise contaminated runoff from contaminated soils; Supply of suitable clean backfill material (or treated soil) after excavation;		N/A
	Stockpiling site(s) shall be lined with impermeable sheeting and bunded. Stockpiles shall be fully covered by impermeable sheeting to reduce dust emission. If this is not practicable due to frequent usage, regular watering shall be applied. However, watering shall be avoided on stockpiles of contaminated soil to minimise contaminated runoff.		Implemented
	Vehicles containing any excavated materials shall be suitably covered to limit potential dust emissions or contaminated wastewater run-off, and truck bodies and tailgates shall be sealed to prevent any discharge during transport or during wet conditions;		Implemented
	Speed control for the trucks carrying contaminated materials shall be enforced;		Implemented
	Vehicle wheel and body washing facilities at the site's exist points shall be established and used; and		Implemented
	Pollution control measures for air emissions (e.g. from biopile blower and handling of cement), noise emissions (e.g. from blower or earthmoving equipment), and water discharges (e.g. runoff control from treatment facility) shall be implemented and complied with relevant regulations and guidelines.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Ecological Impact (Terrestrial and Aquatic) (Construction Phase)			
8.10.2.1	<u>Avoidance of Recognised Site of Conservation Importance</u> Construction works are designed to be confined to the boundary of the existing YLSTW that direct impacts on all other sites of conservation importance within the assessment area, including the Ramsar Site, Priority Site, WCA, WBA, SSSI and CA would be avoided.	Project site / Construction Phase	Implemented
8.10.2.3 – 8.10.2.4	<u>Avoidance of Demolition Works Using Breakers Mounted on Excavators and Percussive Piling during Dry Season</u> In order to minimise the construction noise disturbance on overwintering waterbirds, the noisy construction works, i.e. all percussive piling works and demolition using breakers mounted on excavators, would therefore be scheduled outside the dry season (i.e. November to March, which is the peak overwintering period of waterbirds).	Construction sites / Construction Phase	Implemented
8.10.2.5	<u>Restriction of Construction Hours</u> No construction activities with the use of PME should be conducted within 100m from any night roost confirmed by the pre-construction survey after 18:00 during wet season and 17:30 during dry season to avoid disturbance to the nearby ardeids night roosts.	Construction sites / Construction Phase	Implemented
8.10.3.2 – 8.10.3.3	<u>Minimising Construction Noise Disturbance Impacts through Consideration of Alternative Construction Methods</u> Demolition using concrete crusher is quieter than demolition using breaker that its construction noise level is comparable to other general construction activities and concrete crusher would be used for demolition works to be undertaken during dry season months. The quieter foundation methods, including bored piling, raft foundation and shallow foundation, would be adopted as far as possible.	Construction sites / Construction Phase	Implemented
8.10.3.4 – 8.10.3.5	<u>Minimising Construction Noise Disturbance Impacts Through Careful Phasing of Construction Activities</u> Percussive piling works and demolition using breakers mounted on excavators would typically be completed over two wet seasons and not be undertaken in the same construction zone at the same time to localise the construction disturbance and to reduce the duration of high level of disturbances on sensitive wetland habitats and associated waterbirds nearby each construction zone. Facilities in the eastern side of the Project site (i.e. Phase 1A and Phase 1B) are scheduled to be developed first that the new structures could screen the works in the middle and western parts of the site in later stage of the construction phase after the structures in Phase 1A and Phase 1B are completed, hence minimising the construction noise and human disturbance on sensitive wetland habitats adjacent to the Project site in Shan Pui River, including the confluence of Shan Pui River and Kam Tin River and ardeid night roost to the immediate east of the Project site.	Project site / Construction Phase	Implemented
8.10.3.6 – 8.10.3.8	<u>Minimising Construction Noise Disturbance Impacts through Use of Noise Barriers</u> Noise barriers with absorptive materials of about 4m high will be erected along the northern, eastern and western sides of the site, throughout the construction phase to screen the construction noise and human disturbance to the waterbirds foraging in ponds in Fung Lok Wai and Shan Pui River during construction phase. Adequate noise barriers should also be provided for demolition works using breakers mounted on excavators and percussive piling works, to further minimise the construction noise disturbance from these construction activities. Movable noise barriers should be provided to breaker mounted on excavator used for demolition works as discussed in Section 4.8 and acoustic mat should be provided to the piling plants around the rig. The contractor should provide enclosure for construction equipment, especially static plants, as appropriate to minimise the noise disturbance as far as practicable.	Construction sites / Construction Phase	Implemented
8.10.3.9	<u>Use of Quality Powered Mechanical Equipment</u> The contractor should source QPMEs for construction as far as practicable to further minimise the overall construction noise and other disturbance to the nearby wetland habitats and associated waterbirds to the maximum practical extent.	Construction sites / Construction Phase	Implemented
Ecology & Fisheries Impact			
8.12.1.4, 9.7	Groundwater observation wells and recharge wells will be provided at the northern and western side of the site. Groundwater table will be closely monitored at the observation well. In case of any unlikely events of abnormal drawdown of groundwater table near the excavation area, groundwater dewatering will stop and water will be pumped into the recharge wells to recover the normal groundwater table as necessary.	Construction Phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Fisheries Impact			
9.7	The implementation of good site practices during construction could minimise the potential water quality impacts from the land-based construction works. Mitigation measures recommended in the Water Quality Impact Assessment (Section 5) for controlling water quality impact would also serve to protect fisheries resources and activities from indirect impacts.	Construction and Operation Phase	N/A
Landscape and Visual Impact			
Table 10.11	<u>Preservation of Existing Vegetation (CM1)</u> All the existing Trees to be retained and not to be affected by the Project shall be carefully protected during construction accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Preservation during Development issued by GLTM Section of DevB. Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project shall be carefully preserved.	Project site / Construction Phase	Implemented
	<u>Transplanting of Affected Trees (CM2)</u> Trees unavoidably affected by the works shall be transplanted as far as possible in accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Transplanting issued by GLTM Section of DevB.	Project site / Construction Phase	Implemented
	<u>Compensatory Tree Planting (CM3)</u> Any trees to be felled under the Project shall be compensated in accordance with DEVB TCW No. 7/2015 - Tree Preservation. For trees to be compensated on slopes, the guidelines for tree planting stipulated in GEO Publication No. 1/2011 will be followed.	Project site / Construction Phase	N/A
	<u>Control of Night-time Lighting Glare (CM4)</u> All the night time lighting shall be avoided except for safety purpose. No light glare shall illuminate directly outside the site.	Project site / Construction Phase	Implemented
	<u>Erection of Decorative Screen Hoarding (CM5)</u> Site hoardings, if any, shall be painted in dull green colour	Project site / Construction Phase	Implemented
	<u>Management of Construction Activities and Facilities (CM6)</u> Construction activities shall be well scheduled and avoid powered mechanical equipment's operating simultaneously. All stockpiling areas and idled area shall be covered by tarpaulin sheet or hydroseeded as far as possible.	Project site / Construction Phase	Implemented
Hazard to Life (Construction Phase)			
11.5.6.9- 11.5.6.12	Implementation of those major construction works and movement of plants and vehicles would be stringently controlled to have a setback of at least 15m clear distance, or physical barrier with an empty digester / gas holder from the digesters / gas holders in operation;	Project site / Construction Phase	N/A
	For those construction works to be carried out in close proximity to the 15m zone from digesters / gas holders in operation, the height of plants for those major construction shall be limited to 15m such that the plants would not damage digesters /gas holders in such incident as plant collapse or overturning;		N/A
	Whenever practicable, the construction sequence shall be arranged with empty unit(s) for separating the major construction works from these digesters / gas holders in use; and		N/A
	Physical barriers such as concrete blocks shall be set up at the 15m zone in order to avoid those construction plants or vehicles from colliding to the digester / gas holder units in use.		N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
11.5.8	Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work	Project site / Construction Phase	Implemented
	All work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements;		Implemented
	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work;		Implemented
	All construction workers shall equip with appropriate personal protective equipment (PPE) when working at the Project Site;		Implemented
	Safety training and briefings shall be provided to all construction workers;		Implemented
	Regular site safety inspections shall be conducted during the construction phase of the Project;		Implemented
11.9.1.2	Ensure speed limit enforcement is specified in the contractor's method statement to limit the speed of construction vehicles onsite;	Project site / Construction Phase	Implemented
	Conduct speed checks to ensure enforcement of speed limits and to ensure adequate site access control;		N/A
	A lifting plan, with detailed risk assessment, should be prepared and endorsed for heavy lifting of large equipment;		Implemented
	Vehicle crash barriers should be provided between the construction site and the operating biogas facilities;		N/A
	Ensure that a hazardous area classification study is conducted and hazardous area maps are updated before the start of the construction activities to ensure ignition sources are controlled during both construction and operation phases;		Implemented
	Ensure work permit system for hot work activities within the Project Site is specified in the contractor's method statement to minimize and control the ignition sources during the construction phase;		Implemented
	Ensure effective communication system / protocol is in place between the contractors and the operation staff;		Implemented
	Ensure the Project Construction Emergency Response Plan is integrated with the Emergency Response Plan for the YLEPP during construction phase. The plan should address stop work instructions to be promptly communicated to all construction workers performing hot works in case a confirmed biogas detection at the Project Site;		Implemented
	Ensure that the construction activities do not impede the functions of fire and gas detection system, fire protection system, muster areas, fire-fighting vehicle access and escape routes;		Implemented
	Ensure a Job Safety Analysis is conducted for construction activities of the Project during the construction phase, to identify and analyze hazards associated with the construction activities (e.g. lifting operations by cranes) onto the operating biogas facilities.		Implemented
	Potential risks of the construction activities shall be assessed, and risk precautionary measures shall be implemented in Contractor's works procedures.		Implemented

Note:

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Applicable (N/A)

Sources / reference of the Implementation Status: Appendix B of EIA Report, AEIAR-220/2019

Appendix H

Cumulative statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Environmental Complaints Log

Reference	Date of Complaint	Received From	Received By	Nature of Complaint	Date of Investigation	Outcome	Date of Reply

Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Reporting Period	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

Cumulative Statistics on Notification of Summons and Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Notification of Summons and Prosecutions This Reporting Period	Cumulative Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

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