CONTRACT NO. SPW 12/2021

SHEK WU HUI EFFLUENT POLISHING PLANT – MAIN WORK

UNDER FURTHER ENVIRONMENTAL PERMIT NO. FEP-02/474/2013

QUARTERLY ENVIRONMENTAL MONITORING & AUDIT REPORT

- OCTOBER TO DECEMBER 2022 -

CLIENTS:

Drainage Services Department

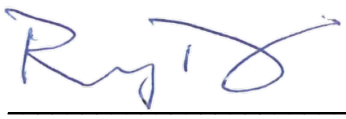
PREPARED BY:

Lam Environmental Services Limited

19/F Remex Centre,
42 Wong Chuk Hang Road,
Hong Kong

Telephone: (852) 2882-3939
Facsimile: (852) 2882-3331
E-mail: info@lamenviro.com
Website: http://www.lamenviro.com

CERTIFIED BY:



Raymond Dai
Environmental Team Leader

DATE:

30 May 2023

Meinhardt Infrastructure and Environment Limited

10/F Genesis
33-35 Wong Chuk Hang Road
Hong Kong

Contract No. SPW 12/2021

Shek Wu Hui Effluent Polishing Plant – Main Work

Quarterly Environmental Monitoring & Audit Report

October to December 2022

(May 2023)

Verified by:	Claudine Lee
Position:	Independent Environmental Checker
Date:	31 May 2023

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

EXECUTIVE SUMMARY

i. This is the Quarterly Environmental Monitoring and Audit (EM&A) Report – October to December 2022 of Shek Wu Hui Effluent Polishing Plant – Main Work under Further Environmental Permit no. FEP-02/474/2013 (Hereafter as "the Project"). This is the 6th EM&A quarterly report prepared by Environmental Team under Contract No. SPW 12/2021, presenting the environmental monitoring findings and information recorded during the period of 1 October 2022 to 31 December 2022.

Construction Activities for the Reporting Quarter

ii. During this reporting period, the principal work activities of individual contracts are summed up in ***Table I***.

Table I Summary table of principal work activities in the reporting period

Contract No.	Contract Title	Month / Year	Principal work activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	October and November 2022	• RC works • Sewage, utility and pipe works • Backfilling • ABWF works
		December 2022	• RC works • Backfilling • Sewage, utility and pipe works • ABWF works • Construction of Outfall at Ng Tung River
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	October 2022	• ELS works • Sheet piling • RC works
		November and December 2022	• ELS works • Sheet piling • Excavation • RC works

DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	October and November 2022	• ELS works • Penstock and Stoplog Installation • Electrical Installation • Lift and Plumbing Installation • MFA, AFA and SPR System Installation • T&C UV System and T&C for Electrical Installation • Bio-Gas Holding tank Installation
		December 2022	• Formwork and Falsework • Penstock and Stoplog Installation • MVAC, Plumbing and Electrical Installation • MFA, AFA and SPR System Installation • EOT and Monorail Installation • T&C for Electrical Installation • Bio-Gas Holding tank Installation • EOT and Monorail Installation
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	October to December 2022	• Improvement Works for Temporary Primary Sludge Thickener and its accessories

iii. Implementation of the key mitigation measures during the reporting quarter

Table II Summary table of key mitigation measures implemented in the reporting period according to the contract no.

Contract No. DC/2018/06		
Oct 2022	Air Quality	To cover up the exposed stockpiles with tarpaulin.
Nov 2022	Air Quality	The Contractor was reminded to provide a cover to the cement bag stored at roof.
	Waste Management	The Contractor was reminded to provide a drip tray to chemical containers placed.
		Chemical waste containers placed without drip tray was observed at CHP and SD. The Contractor was advised to provide a drip tray to the chemical containers stored onsite.
Dec 2022	Air Quality	Silt was observed at vehicle exit. The Contractor was advised to provide wheel washing to the leaving vehicle.
		Soil was observed outside of site boundary. The Contractor was advised to provide preventive measures to ensure no construction material will be dropped into public area during the transporting process.
		The stockpile should be watering to remain surface wet.
	Waste Management	The chemical containers should be placed properly inside the drip tray with enough capacity.
Contract No. DC/2018/07		
Oct 2022	Waste Management	To clear the clogged drip tray.
Nov 2022	Air Quality	Breaking work conducted without dust control measure was observed at BR. The Contractor was advised to provide watering to the dusty work conducted onsite.
		The Contractor is reminded to maintain works area access for site vehicle free from loose material to prevent dust emission.
	Waste Management	The Contractor was reminded to provide a drip tray to the chemical containers placed onsite.
		Oil stain was observed at the earth near inert. The Contractor was advised to remove the oil stain and treat it properly.
	Landscape	Unknown tree within sewage treatment plant area shall be fenced off to prevent unauthorized used / storage near the protection zone.

Dec 2022	Others	The Contractor was reminded to update the CNP, which displayed at site entrance.
Contract No. DE/2018/03		
Oct 2022	-	-
Nov 2022	Others	The Contractor was reminded to display the discharge license on proper area.
	Water Quality	The Contractor was reminded to maintain the performance of the Wetsep.
Dec 2022	Air Quality	Dust measures (water spraying or regular cleaning) should be adopted for the dusty ground.
Contract No. DE/2018/04		
Oct 2022	-	-
Nov 2022	-	-
Dec 2022	-	-

Summary of Exceedances, Investigation and Follow-up

Noise Monitoring

iv. Noise monitoring were conducted at noise monitoring stations namely, NM – G/F, Wai Loi Tsuen, NM2 – G/F, Fu Tei Au and NM3 – G/F, Man Kok Village on a weekly basis in the reporting period.

v. No action or limit level exceedance was recorded in this reporting quarter.

Air Quality Monitoring

vi. 1-hour Total Suspended Particulates (TSP) monitoring was conducted at air quality monitoring stations namely, AM1 – Wai Loi Tsuen, AM2 – Fu Tei Au; 24-hour TSP monitoring was conducted at air quality monitoring stations namely, AM1a* – Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW and AM2a – Site Boundary of the Shek Wu Hui STW (North). 24-hour TSP shall be sampled at least once in every 6 days, while sampling for 1-hour TSP shall be at least 3 times in every 6 day in the reporting month.

vii. Power failures were encountered at AM1a* from 11 to 15 Oct 2022 and at AM2a from 14 to 23 Dec 2022, so the 24hr AQM for AM1a* and AM2Aa were temporarily suspended on the respective dates.

viii. No action or limit level exceedance was recorded in this reporting quarter.

Ecological Monitoring

ix. Ecological monitoring conducted on a weekly basis at both high and low tides (it is considered high tide when tidal levels are above 1.5m and low tide when tidal level are below 1.5m at Tsim Bei Tsui Station). The magnitude of how much above or below 1.5m was subject to tidal conditions of that week as it varied throughout different times of the year. Nonetheless, the high and low tide relative to that week's tidal condition were taken into consideration.

x. No action or limit level exceedance was triggered in this reporting quarter.

Water Quality Monitoring

xi. Water quality monitoring was conducted at two monitoring stations, M1 – Impact Station and C1 – Control Station, three days per week in the reporting month.

xii. Twenty-six (26) limit level exceedances and five (5) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

Table III Summary table of non-compliance (exceedances) in the reporting period

Parameter	No. of Exceedance		Investigation result
	Action Level	Limit Level	
October 2022			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-
Ecology	0	0	-
November 2022			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-
Ecology	0	0	-
Water Quality	0	8	All recorded exceedances were non-project related.
December 2022			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-

Ecology	0	0	-
Water Quality	5	18	All recorded exceedances were non-project related.

Complaints, Notifications of Summons and Successful Prosecutions

xiii. No environmental complaints, notification of summons and successful prosecution regarding the construction works was recorded in the reporting quarter.

Table IV Summary table of complaints, summons and successful prosecutions in the reporting period

Events	Number	Brief description	Follow up and remedial actions	Status and remarks
Complaints	0	-	-	-
Notification of Summons and Successful Prosecution	0	-	-	-

Reporting Changes

xiv. Water quality monitoring for outfall works was commenced in November 2023.

xv. Due to close proximity to construction works and heavy machines from another construction project, presence of physical barrier and safety concerns, adjustment for the location of AM2/NM2 were proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from Fu Tei Au to footbridge between Fu Tei Au and SWHSTW. The proposal has sought approval from ER and IEC, and agreement from EPD.

Future Key Issues

xvi. In the next reporting period, the principal work activities of individual contracts are anticipated as follows.

Table V Summary table of anticipated work activities in the next reporting period

Contract No. DC/2018/06
• RC works • Backfilling • Sewage, utility and pipe works • ABWF works • Construction of Outfall at Ng Tung River
Contract No. DC/2018/07
• ELS works • Sheet piling • Excavation • RC works
Contract No. DE/2018/03
• Formwork and Falsework • Installation of Earth Mat • Monorail, Penstock and Stoplog Installation • Lift, Plumbing, MVAC and Electrical Installation • MFA, AFA and SPR System Installation • EOT and Monorail Installation • T&C for Electrical Installation • Bio-Gas Holding tank Installation • Steam Boiler Transportation
Contract No. DE/2018/04
• Improvement Works for Temporary Primary Sludge Thickener and its accessories. • E&M installation works at Portion B-7, including DOU No.3A, Emergency Generator House and FS & Sprinkler Pumping Room, Chemical System No.1, Street Fire Hydrant & Booster Pump Room and Temporary Chemical System. • E&M installation works at Portion B-2, Inert Works

1 Introduction

1.1 Scope of the Report

1.1.1. Lam Environmental Services Limited (LES) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) No. FEP-02/474/2013 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for North East New Territories New Development Areas (Register No.: AEIAR-175/2013).

1.2 Structure of the Report

Section 1 ***Introduction*** – details the scope and structure of the report.

Section 2 ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.

Section 3 ***Environmental Monitoring and Audit Requirements*** – summarizes all monitoring parameters and methodology, no. of exceedances, influencing factors on the monitoring results.

Section 4 ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 5 **Complaints, Notification of Summons and Prosecution** – summarizes the cumulative statistics on complaints, notification of summons and prosecution.

Section 6 **Comments, Conclusion and Recommendations** – summarizes monitoring methodology, the effectiveness of EM&A Programme and mitigation measures, and recommendations based on findings during site audits.

2 Project Background

2.1 Background

2.1.1. The existing Shek Wu Hui Sewage Treatment Works (SWHSTW) has been operating and maintaining for 30 years by the Drainage Services Department (DSD). It provides secondary level treatment to sewage collected from Sheung Shui, Fanling and adjacent areas. SWHSTW was completed in two stages and expanded progressively in the past years. In 1984, Stage I of SWHSTW was commissioned with design capacity of 60,000 cubic meters per day (m^3 /day) at Average Dry Weather Flow (ADWF). In 2001, Stage II of SWHSTW was completed with design capacity enhanced to 80,000 m^3 /day at ADWF. In 2009, the expansion of SWHSTW was completed and its design capacity was increased to 93,000m^3 /day at ADWF.

2.1.2. Further expansion of SWHSTW has been planned to be carried out in order to cope with the forecast increase in flow from Fanling North and Kwu Tong North New Development Area (NDA) and other NDAs and developments in three phases, namely Phase 1A, 1B and 2, which are later revised to Main Works Stage 1, Stage 2 and Stage 3 respectively. The EIA study report (Register No.: AEIAR-175/2013) for the NENT NDAs Study covered the assessment for the Further Expansion of SWHSTW, which is a designated project under item F.1 and F.2 of Part 1, Schedule 2 of the EIA Ordinance. The location of the project site is shown in ***Figure 2.1.***

A Further EP was applied on 18 January 2018 to assume the responsibility for constructing and operating the SWHEPP Project up to a capacity of 190,000 m^3/day. The Further EP No. FEP-02/474/2013 was issued to DSD as permit holder on 15 February 2018. Due to overlapping of scope with the Further EP currently in force, the Further EP No. FEP-01/474/2013 was subsequently surrendered on 15 August 2018.

2.2 Project Organization and Contact Personnel

2.2.1. Drainage Service Department (DSD) is the overall project controllers for the Project. For the construction phase of the Project, Engineer's Representative, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.

2.2.2. The project organization and lines of communication with respect to environmental protection works are shown in ***Figure 2.2***. Key personnel and contact particulars are summarized in ***Table 2.1***.

Table 2.1 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.
Drainage Services Department (DSD)	Permit Holder	CPC	Mr. Hanes Hui	2594 7459
AECOM	Supervisor Representative	Resident Engineer	Mr. Alex Leung	3907 6145
Kwan Lee - Chun Wo Joint Venture	Contractor (DC/2018/06)	Environmental Engineer	Ms. Ruby Hui	6218 6408
		Assistant Environmental Engineer	Mr. Marco Chan	6235 6017
	Contractor (DC/2018/07)	Environmental Engineer	Ms. Tiffany Choi	9789 1027
JEC	Contractor (DE/2018/03)	Environmental Officer	Ms. Juliet Ting	6826 7319
Bestwise	Contractor (DE/2018/04)	Environmental Officer	Mr. Albus Cheung	9731 0831
Meinhardt Infrastructure and Environment Ltd.	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Ms. Claudine Lee	9612 9229
Lam Environmental Services Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939

2.3 Principal Work and Activities

2.3.1. In the reporting month, the principal work activities conducted of individual contracts are as follow. ***Appendix 1.1*** lists the construction programmes of individual activities. The layout plans showing the locations of reported construction activities and key PME used for the works contracts in the reporting quarter are provided in ***Appendix 2.1***

Table 2.2 Summary table of principal work activities in the reporting period

Contract No.	Contract Title	Month / Year	Principal work activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	October and November 2022	• RC works • Sewage, utility and pipe works • Backfilling • ABWF works
		December 2022	• RC works • Backfilling • Sewage, utility and pipe works • ABWF works • Construction of Outfall at Ng Tung River
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	October 2022	• ELS works • Sheet piling • RC works
		November and December 2022	• ELS works • Sheet piling • Excavation • RC works
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	October and November 2022	• ELS works • Penstock and Stoplog Installation • Electrical Installation • Lift and Plumbing Installation • MFA, AFA and SPR System Installation • T&C UV System and T&C for Electrical Installation • Bio-Gas Holding tank Installation
		December 2022	• Formwork and Falsework • Penstock and Stoplog Installation • MVAC, Plumbing and Electrical Installation • MFA, AFA and SPR System Installation • EOT and Monorail Installation • T&C for Electrical Installation • Bio-Gas Holding tank Installation • EOT and Monorail Installation

DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	October to December 2022	• Improvement Works for Temporary Primary Sludge Thickener and its accessories

3 Environmental Monitoring and Audit Requirements

3.0.1. The environmental monitoring will be implemented based on the division of works areas of each designed projects. Overall layout showing work areas and monitoring stations is shown in ***Figure 2.1*** and ***Figure 4.1 – 4.3*** respectively. ***Appendix 3.1*** gives the details of the environmental monitoring requirements

3.0.2. The Action and Limit Levels for construction air quality, noise and ecological monitoring works are shown in ***Appendix 3.2***.

3.0.3. Mitigation measures according to the environmental mitigation implementation schedule and the EIA were generally implemented by the Contractor. The environmental mitigation implementation schedule is shown in ***Appendix 3.3***.

3.1 Weather conditions

3.1.1. The weather conditions were generally sunny, cloudy and with occasional rainstorms during the monitoring sessions of the reporting quarter. The details of weather conditions for each individual monitoring session were presented in the corresponding Monthly EM&A Reports within the reporting period.

3.2 Noise Monitoring Results

3.2.1. Noise monitoring results measured in this reporting period are reviewed and summarized. Graphical presentation of noise monitoring can be referred in ***Appendix 3.4.***

3.2.2. No action or limit level exceedance was recorded in this reporting quarter.

3.3 Air Monitoring Results

3.3.1. Both 1-hour and 24-hour TSP were all conducted as scheduled in the reporting period. Air quality monitoring results measured in this reporting period are reviewed and summarized. Graphical presentation of air quality monitoring can be referred in ***Appendix 3.5***.

3.3.2. Power failures were encountered at AM1a* from 11 to 15 Oct 2022 and at AM2a from 14 to 23 Dec 2022, so the 24hr AQM for AM1a* and AM2Aa were temporarily suspended on the respective dates.

3.3.3. No action or limit level exceedance was recorded in this reporting quarter.

3.4 Ecology Monitoring Results

3.4.1. Ecological monitoring was conducted as scheduled in the reporting period. Details of ecological monitoring results in the reporting period are provided in ***Appendix 3.6***.

3.4.2. No action or limit level exceedance was triggered in this reporting quarter.

3.5 Water Quality Monitoring Results

3.5.1. Water quality monitoring was conducted as scheduled in the reporting period. Details of water quality monitoring results in the reporting period are provided in ***Appendix 3.7***.

3.5.2. Twenty-six (26) limit level exceedances and five (5) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

3.6 Waste Management

3.6.1. The Summary Waste Flow Table is shown in ***Appendix 3.8***. Whenever possible, materials were reused on-site as far as practicable.

3.7 Landscape and Visual

3.7.1. Site audits were conducted on a bi-weekly basis and the landscape and visual mitigation measures of this project were monitored from time to time.

3.7.2. No non-compliance of the landscape and visual mitigation measures was recorded in the reporting quarter.

3.8 Influencing Factors on the Monitoring Results

3.8.1. In this reporting quarter, major noise and dust sources were recorded at designated monitoring stations and are shown below.

Table 3.1 Major noise sources during monitoring sessions in the reporting period

Monitoring Stations	Major Noise Source
NM1 - Wai Loi Tsuen	Railway Noise and Road Traffic at Sheung Shui Tung Hing Road
NM2 - Fu Tei Au	Construction noise from other construction projects
NM2*(1) - Footbridge between Fu Tei Au and SWHSTW	Construction noise from other construction projects

NM3 - Man Kok Village	Road traffic at Po Wan Road

1. Remark: Due to close proximity to construction works and heavy machines from another construction project, presence of physical barrier and safety concerns, adjustment for the location of AM2/NM2 were proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from Fu Tei Au to footbridge between Fu Tei Au and SWHSTW. The proposal has sought approval from ER and IEC, and agreement from EPD on 28 December 2022.

Table 3.2 Major dust sources during monitoring sessions in the reporting period

Monitoring Stations	Major Dust Source
AM1 - Wai Loi Tsuen	Road Traffic at Sheung Shui Tung Hing Road
AM2 - Fu Tei Au	Construction activities from other construction projects
AM2*(1) - Footbridge between Fu Tei Au and SWHSTW	Construction activities from other construction projects
AM1a* - Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW	Operating machines and vehicle movement within SWHSTW
AM2a - Site Boundary of the Shek Wu Hui STW (North)	N/A

1. Remark: Due to close proximity to construction works and heavy machines from another construction project, presence of physical barrier and safety concerns, adjustment for the location of AM2/NM2 were proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from Fu Tei Au to footbridge between Fu Tei Au and SWHSTW. The proposal has sought approval from ER and IEC, and agreement from EPD on 28 December 2022.

3.8.2. Major observations were also recorded at designated monitoring locations and are shown below

Table 3.3 Major observations during ecological monitoring in the reporting period

Monitoring locations	Observations	
	Project related	Non-project related
T1 (PC1, PC2)	N/A	Human activities: fishing Construction activities such as vegetation waste clearance, excavation and breaking works
T2 (PC3, PC4)	Sheet-piling, generator & wielding works Scaffolding, sedimentation tank, Excavation and crane	Human activities: fishing, landscape planting Construction activities: scaffolding, excavation, sheet-piling, generator & wielding works, sedimentation tank, vegetation waste clearance, excavation and crane and breaking works
PC5	Excavation and crane	N/A

T3 (PC6, PC7)	Sheet-piling	Human activities: Fishing and Landscape Planting Construction activities: excavation, sheet-piling, generator & wielding works, scaffolding

3.8.3. In this reporting quarter, major influence sources were recorded at designated monitoring stations and are shown below.

Table 3.4 Major water* influencing *sources during monitoring in the reporting period

Monitoring Stations	Major influencing source
M1 - Impact Station	- River from upstream of Ng Tung River - Discharge from Slaughterhouse
Control Station - Control Station	- River from upstream of Ng Tung River - Construction works from other construction project

4 Compliance Audit

4.0.1. Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed. The summary of exceedance of Action/Limit Level for environmental monitoring is presented in ***Appendix 4.1.***

4.0.2. The observations and recommendations made for each contract were shown in ***Appendix 4.2***.

4.1 Noise Monitoring

4.1.1. No action or limit level exceedance was recorded in this reporting quarter.

4.2 Air Quality Monitoring

4.2.1. No action or limit level exceedance was recorded in this reporting quarter.

4.3 Ecological Monitoring

4.3.1 No action or limit level exceedance was triggered in this reporting quarter.

4.4 Water Quality Monitoring

4.4.1 Twenty-six (26) limit level exceedances and five (5) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

4.5 Landscape and visual impact

4.5.1 No non-conformity for landscape and visual impact was recorded in the reporting quarter.

4.6 Review of the Reasons for and the Implications of Non-compliance

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

4.7 Summary of action taken in the event of and follow-up on non-compliance

4.6.1. There was no particular action taken since no non-compliance was recorded in the reporting quarter.

5 Complaints, Notification of Summons and Prosecution

5.0.1 No environmental complaints, notification of summons and successful prosecution regarding construction works was recorded in the reporting quarter.

5.0.2 The details environmental complaints, notification of summons and successful prosecution for the Project are summarized by complaint log in ***Appendix 5.1.***

5.0.3 Cumulative statistics on complaints and successful prosecutions are summarized in ***Table 5.1*** and ***Table 5.2*** respectively.

Table 5.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
Commencement works to 30 September 2022	4
October 2022	0
November 2022	0
December 2022	0
Project-to-Date	**4**

Table 5.2 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative no. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Total	**-**	**0**	**0**

6 Comment, Conclusions and Recommendations

6.1 Review of Monitoring Methodology and the Practicality and Effectiveness of EM&A Programme

6.1.1. In terms of project construction phase monitoring, with the implementation of mitigation measures as recommended, no project related exceedance was recorded. In general, no adverse construction air and noise impacts were recorded within the project area with the mitigation measures in place. It could be concluded that no adverse environmental impact was caused to the surrounding environment and the sensitive receivers. The overall environmental impact control of the Project is considered to be effective and efficient.

6.2 Review on Effectiveness of Mitigation Measures

6.2.1. The mitigation measures according to the Environmental Mitigation Implementation Schedule (EMIS) and the EIA are considered effective in minimizing environmental impacts as no exceedances related to the Project works was recorded throughout the monitoring period. Hence, the EM&A programme was considered effective and shall be maintained.

6.2.2. The Contractor has implemented the recommended mitigation measures except for those mitigation measures not applicable at this stage. No site audit non-compliance was recorded during the reporting quarter.

6.2.3. Environmental monitoring works were carried out in the reporting quarter and all monitoring results were checked and reviewed.

6.2.4. Since the construction works of a footbridge under another construction project was found on Ng Tung River in November 2022, the baseline measured in October and November 2019 may not reflect the updated ambient environment condition of Ng Tung River.

6.2.5. The water quality monitoring for the Project commenced on 23 November 2022. Continuous exceedances were recorded since the commencement of water quality monitoring. According to the information from the Contractor, only preparation works for outfall construction were conducted on 23 November to 5 December 2022, during which were no water quality-related construction work conducted. However, continuous exceedances were still recorded in this period. That means the Action and Limit levels identified from baseline monitoring cannot be a practicable alarm to reflect the pollution contributed by the Project. Therefore, the ET team proposed the relocation of the water quality monitoring location and new action and limit levels for water quality monitoring to the EPD in monthly EM&A report for December 2022.

6.3. Recommendations

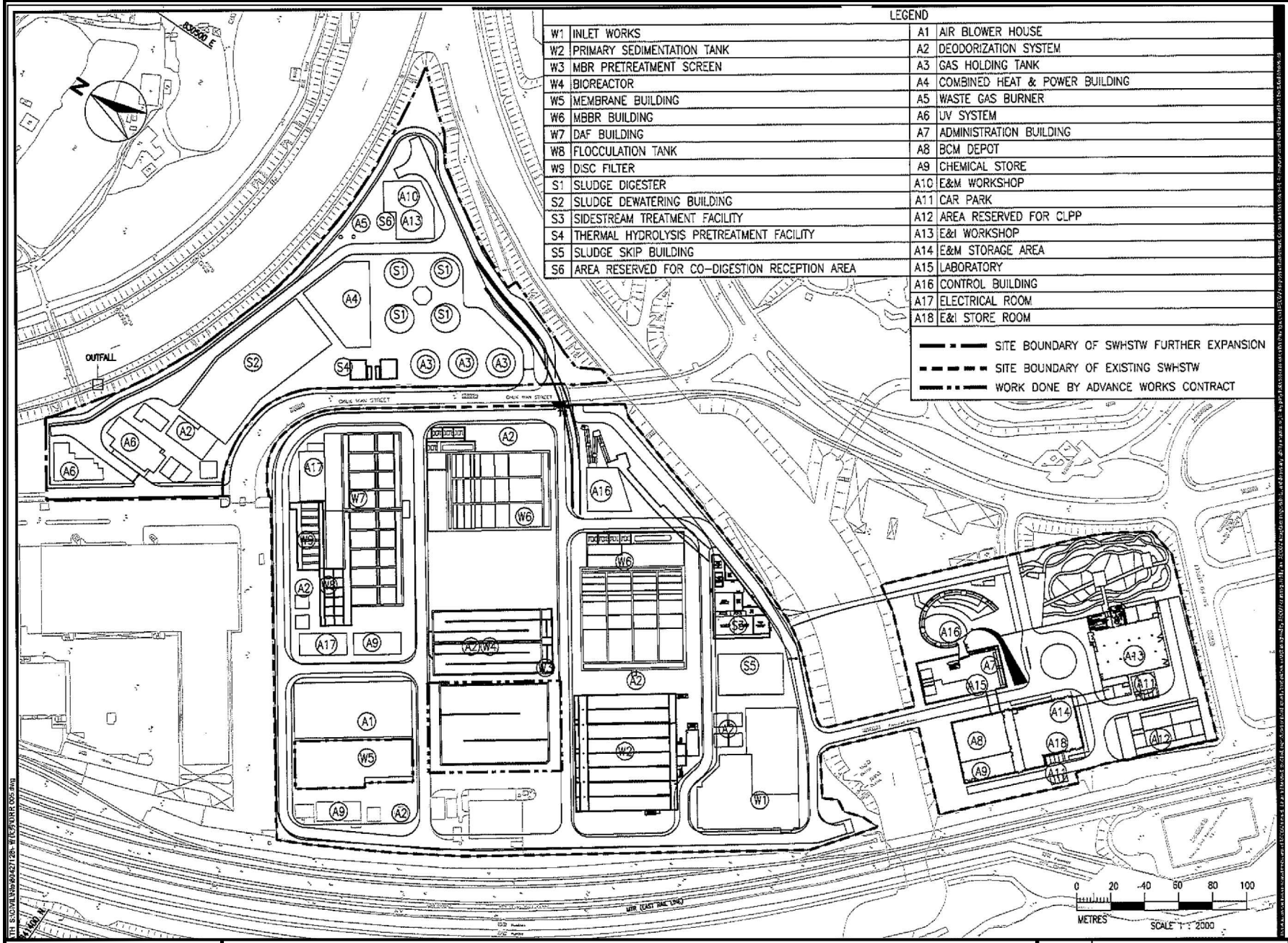
6.3.1. In regards to the results and findings during the weekly environmental inspections in the reporting period, recommendations were made as follow.

Table 6.1 Summary table of recommendations in terms of environmental parameters

Parameters	Recommendations
Air Quality	Dust suppression measures like water spraying or using tarpaulin should be enhanced for exposed stockpiles and other construction activities.
	To ensure all regulated machines in operation are displayed with valid NRMM labels.
Noise	Acoustic materials or other noise minimization measures should be adopted or enhanced especially for drilling and piling activities.
Water Quality	To maintain the proper function of the on-site drainage system and ensure the construction site runoff was properly treated.
	To provide proper water mitigation measures for the outfall work conducted between the site boundary and Ng Tung River.
Ecology	2m solid dull green barrier fences should be erected and maintained properly along the project boundaries of all active work sites under EP condition 2.7.
Waste Management	Oil/chemical containers should be stored properly.
	To maintain proper function of drip trays
	To maintain good housekeeping and remove the waste regularly.
	Good waste segregation practice should be maintained.

Figure 2.1

Project Layout



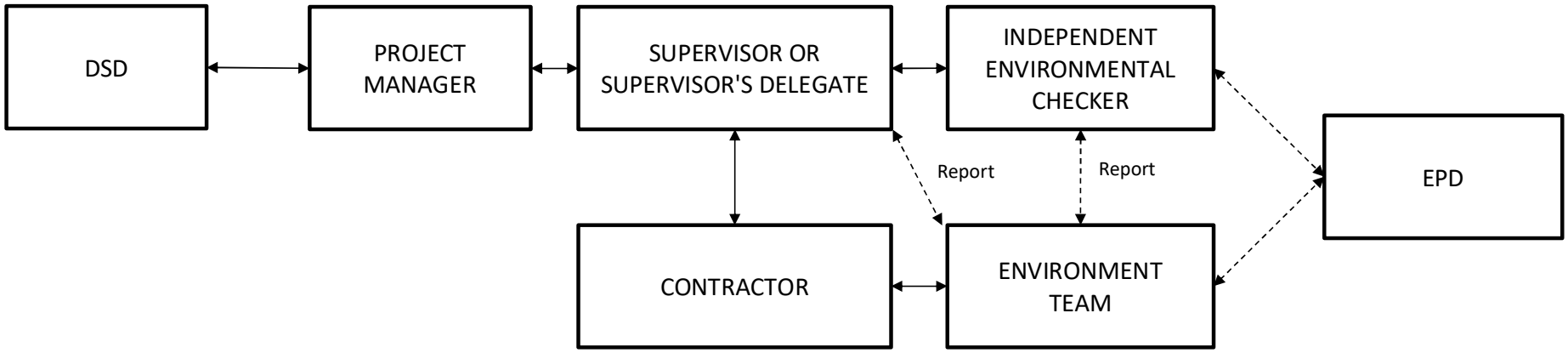
Shek Wu Hui E□luent Polishing Plant

General Site Layout O□SWHEPP

SCALE	As Shown	DATE	SEP 2019
CHECK	JM	DRAWN	SY
JOB No.		FIGURE NO. 1.1	RE□ -

Figure 2.2

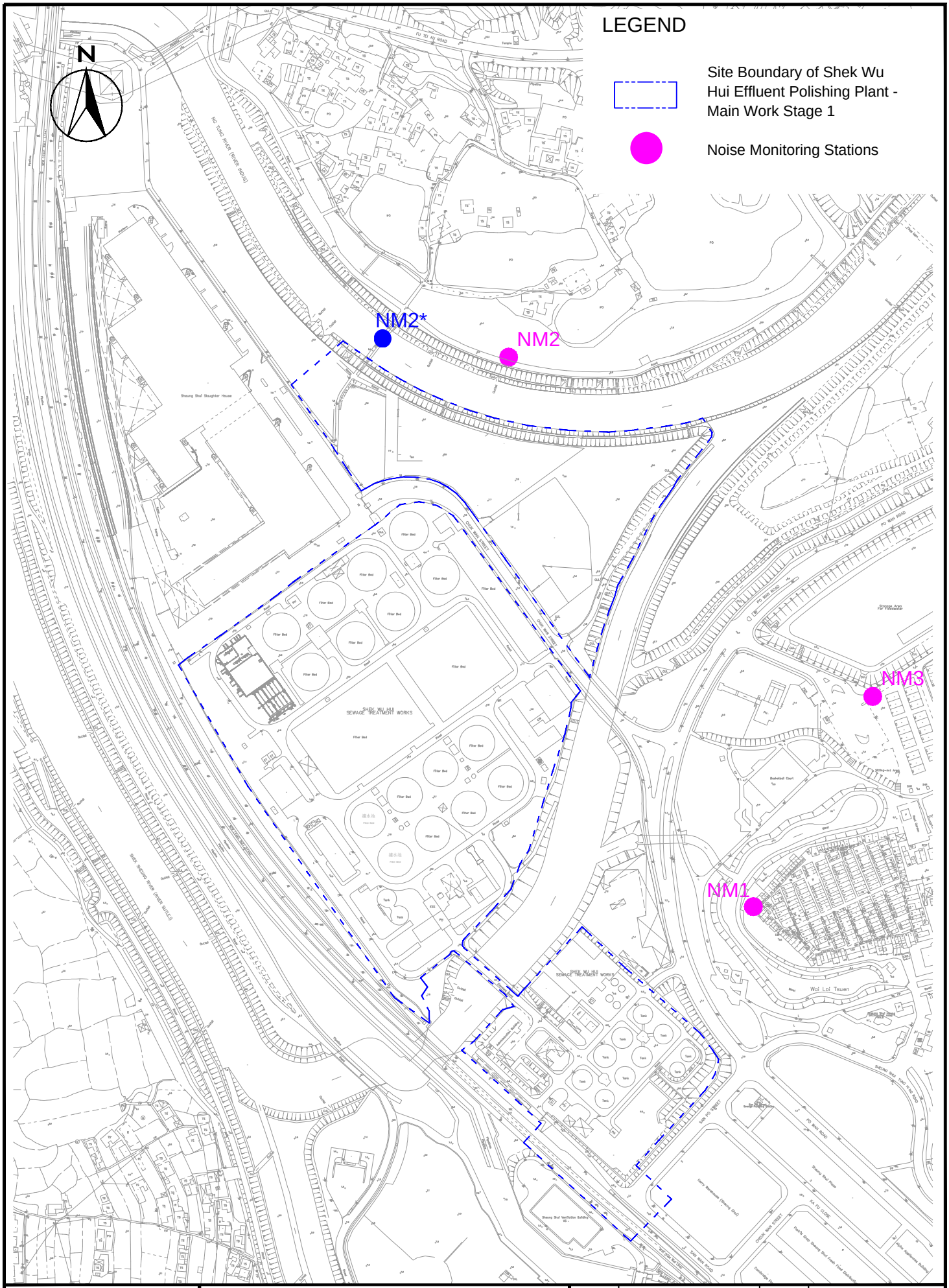
Project Organization Chart



	Shek Wu Hui Effluent Polishing Plant -	**SCALE**	N.T.S.	**DATE**	Sep 2019
		CHECK	JW	**DRAWN**	SY
	Project Organisation For Environmental Monitoring and Audit	**JOB NO.**		**FIGURE NO.**	1.2

Figure 4.1

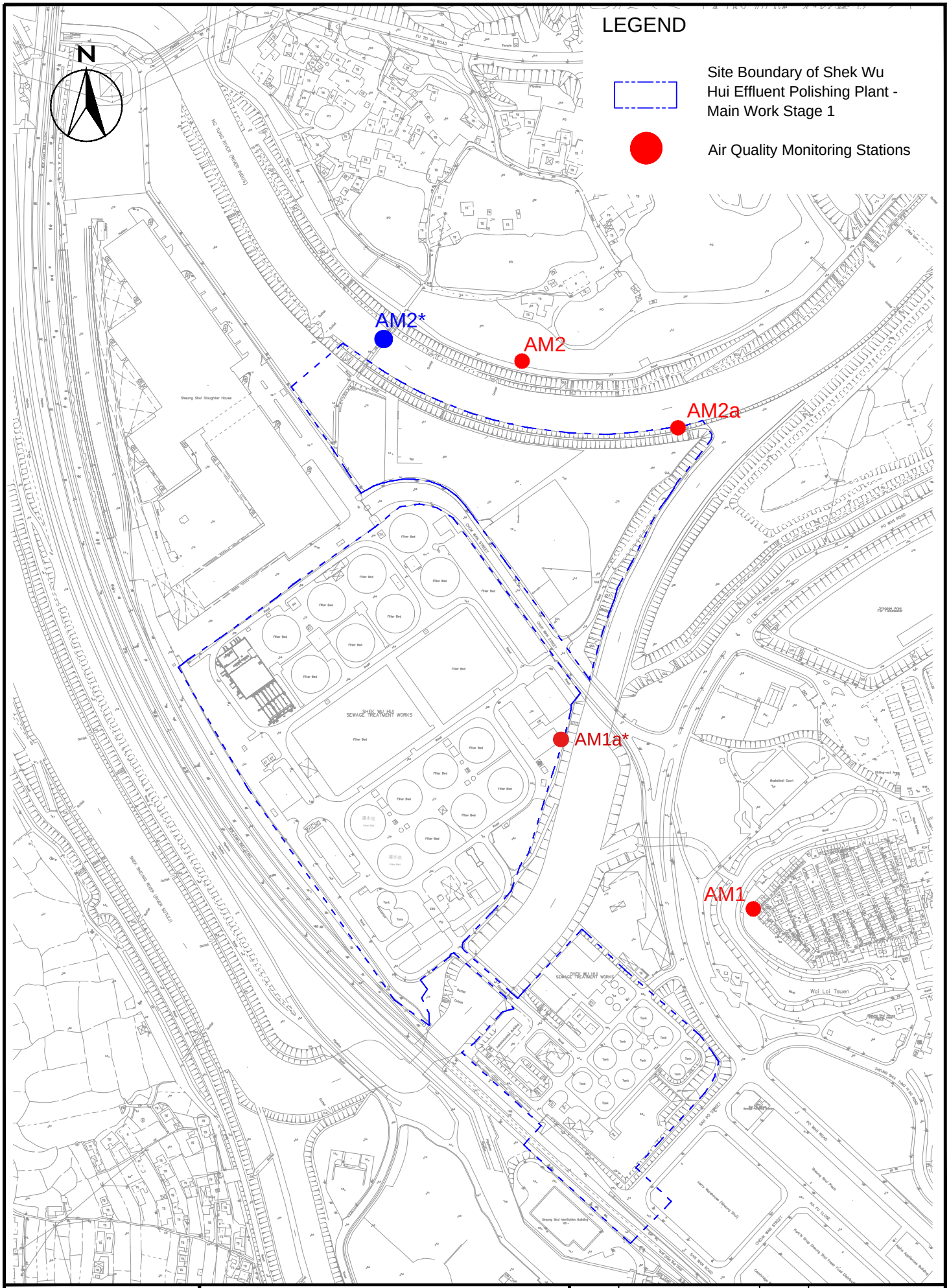
Locations of Noise Monitoring Stations



	Shek Wu Hui Effluent Polishing Plant	SCALE	1:4000@A4	DATE SEP 2019
		CHECK	JM	DRAWN SY
	Location of Noise Monitoring Stations	JOB No.	MA19019	FIGURE NO. 3 / REV -

Figure 4.2

Locations of Air Quality Monitoring Stations

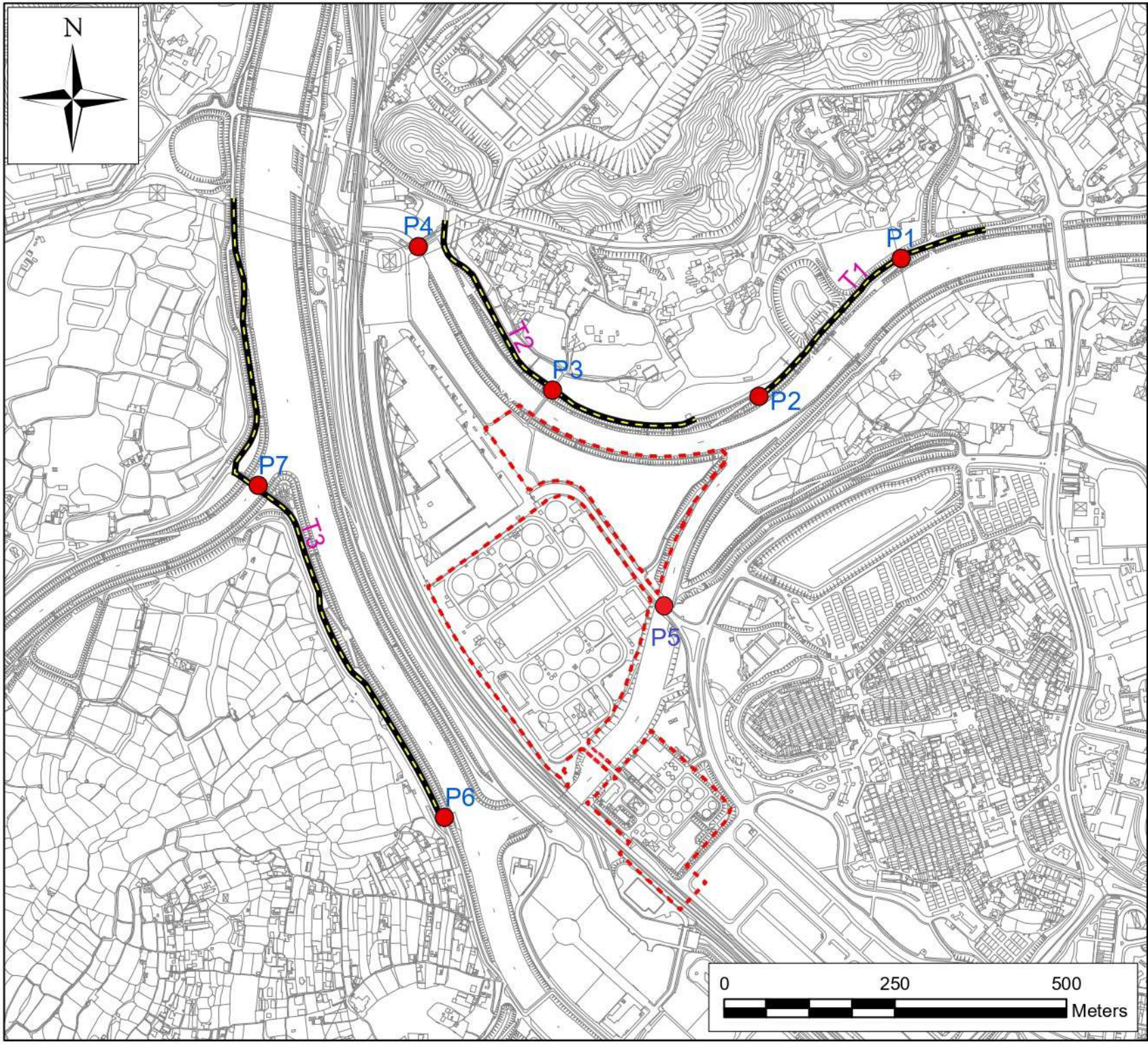


Shek Wu Hui Effluent Polishing Plant - Location of Air Quality Monitoring Stations	SCALE	1:400@A4	DATE	SEP 2019
	CHECK	JM	DRAWN	SY
	JOB No.		FIGURE NO. 2	REV -

F:/Project_drawings

Figure 4.3

Locations of Ecological Monitoring Stations



Legend

- Project Site Boundary
- Walk Transects
- Point Count Locations

PREPARED BY

Lam Environmental Services Limited

19/F Remex Centre
42 Wong Chuk Hang Road,
Hong Kong

Telephone: (852) 2882-3939
Facsimile: (852) 2882-3331
E-mail: info@lamenviro.com
Website: http://www.lamenviro.com

CONTRACT NO.

SPW 12/2021

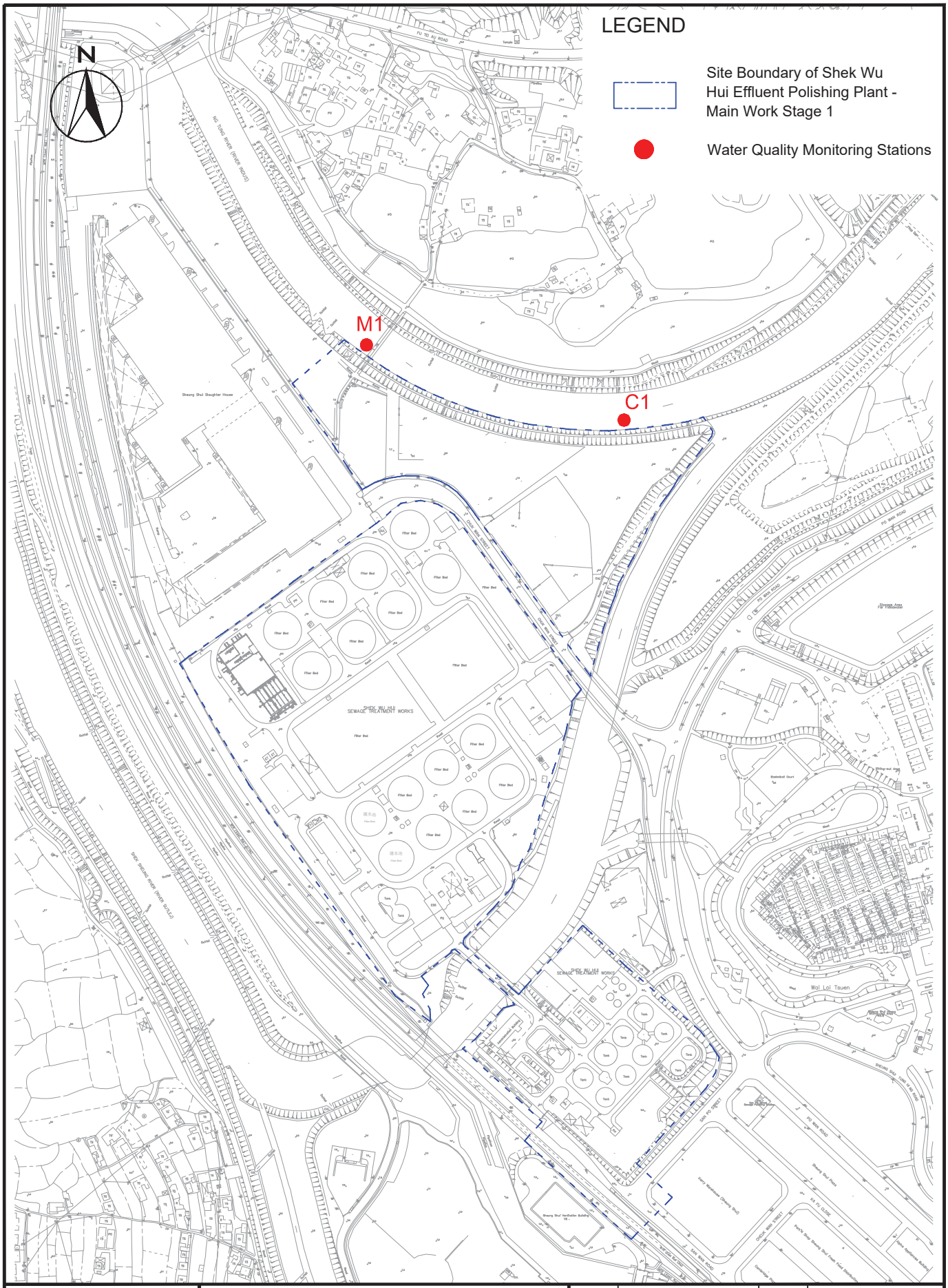
PROJECT TITLE

Shek Wu Hui Effluent Polishing Plant - Main Works Survey Location for Ecological Monitoring

SCALE	DATE
1:7500@A4	***Sept 2021***
DRAWN BY ***AL***	CHECK BY ***MC***
FIGURE NO. ***1***	REVISION NO. ***-***

Figure 4.4

Locations of Water Quality Monitoring Stations



	Shek Wu Hui Effluent Polishing Plant - Location of Water Quality Monitoring Stations	SCALE	1:400@A4	DATE	OCT 2019
		CHECK	JM	DRAWN	SY
		JOB No.		FIGURE NO. 5	REV -

F:/Project_drawings

Appendix 1.1

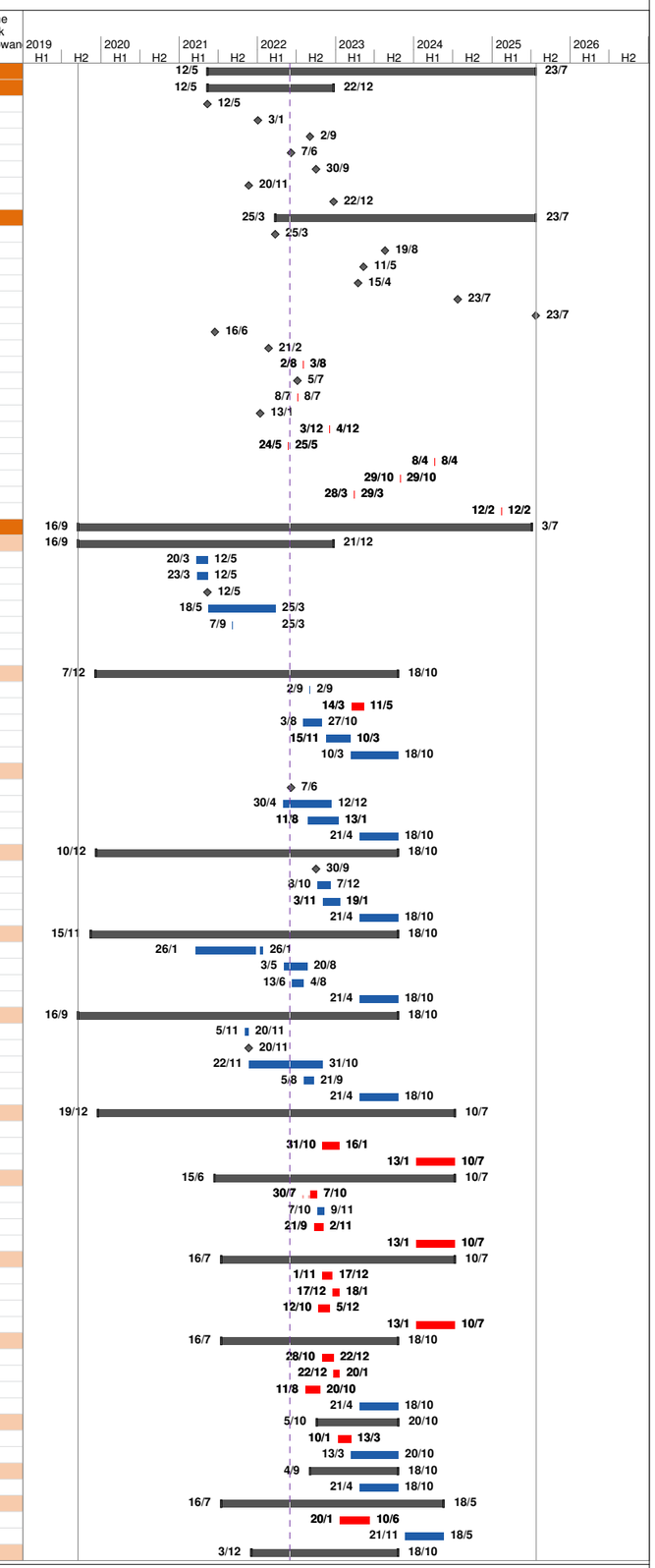
Construction Programme of Individual Contracts

Contract No.: DC/2018/06
Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

Executive Summary Programme (Status Date: 20/10/2022)

群利－俊和聯營體
KL－CW JV

ID	Activity ID	KD	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	% Complete	Time Risk Allowan
34	**PD-00000**	*	**Planned Completion - Key Date (cal. day)**			**1534 days**	**Wed 12/5/21**	**Wed 23/7/25**	**Wed 12/5/21**	**NA**			**26%**	
35	**PKD-00000**	*	**Planned Completion - Key Dates**			**589 days**	**Wed 12/5/21**	**Thu 22/12/22**	**Wed 12/5/21**	**NA**			**0%**	
36	PKD-01000	KD1A	KD1A			0 days	Wed 12/5/21	Wed 12/5/21	Wed 12/5/21	Wed 12/5/21	284FF	19FF	100%	
37	PKD-02000	KD2A	KD2A			0 days	Mon 3/1/22	Mon 3/1/22	Mon 3/1/22	Mon 3/1/22	622FF	20FF	100%	
38	PKD-03000	KD3A	KD3A			0 days	Fri 2/9/22	Fri 2/9/22	NA	NA	314FF	21FF	0%	
39	PKD-04000	KD3B	KD3B			0 days	Tue 7/6/22	Tue 7/6/22	Tue 7/6/22	Tue 7/6/22	345FF	22FF	100%	
40	PKD-05000	KD3C	KD3C			0 days	Fri 30/9/22	Fri 30/9/22	NA	NA	367FF	23FF	0%	
41	PKD-06000	KD3D	KD3D			0 days	Sat 20/11/21	Sat 20/11/21	Sat 20/11/21	Sat 20/11/21	399FF	24FF	100%	
42	PKD-07000	KD3E	KD3E			0 days	Thu 22/12/22	Thu 22/12/22	NA	NA	414FF,422FF,430FF,438FF,473FF,4	25FF	0%	
43	**PCD-00000**	*	**Planned Completion - Section of the Works (cal. day)**			**1217 days**	**Fri 25/3/22**	**Wed 23/7/25**	**Fri 25/3/22**	**NA**			**0%**	
44	PCD-01000	SW1	Section 1 of Works			0 days	Fri 25/3/22	Fri 25/3/22	Fri 25/3/22	Fri 25/3/22	520FF,551FF,552FF,553FF,554FF,5	27FF	100%	
45	PCD-02000	SW2	Section 2 of Works			0 days	Sat 19/8/23	Sat 19/8/23	NA	NA	643FF,655FF	28FF	0%	
46	PCD-03000	SW3	Section 3 of Works			0 days	Thu 11/5/23	Thu 11/5/23	NA	NA	205FF,369FF,383FF,401FF,423FF,4	588,29FF	0%	
47	PCD-04000	SW4	Section 4 of Works			0 days	Sat 15/4/23	Sat 15/4/23	NA	NA	521FF,324FF,350FF,370FF,384FF,4	30FF	0%	
48	PCD-05000	SW5	Section 5 of Works			0 days	Tue 23/7/24	Tue 23/7/24	NA	NA	291FF,325FF,351FF,371FF,385FF,4	49,50,31FF	0%	
49	PCD-06000	DLP	Defect Liability Period			365 days	Wed 24/7/24	Wed 23/7/25	NA	NA	48,589FF		0%	
56	IWKD1A-01040	KD1A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			0 days	Wed 16/6/21	Wed 16/6/21	Wed 16/6/21	Wed 16/6/21	55		100%	
64	IWKD2A-01040	KD2A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			0 days	Mon 21/2/22	Mon 21/2/22	Mon 21/2/22	Mon 21/2/22	63		100%	
72	IWKD3A-01040	KD3A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Tue 2/8/22	Wed 3/8/22	Tue 2/8/22	NA	71		0%	
81	IWKD3B-01040	KD3B	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			0 days	Tue 5/7/22	Tue 5/7/22	Tue 5/7/22	Tue 5/7/22	80		100%	
89	IWKD3C-01040	KD3C	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Fri 8/7/22	Fri 8/7/22	Fri 8/7/22	NA	88		0%	
97	IWKD3D-01040	KD3D	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			0 days	Thu 13/1/22	Thu 13/1/22	Thu 13/1/22	Thu 13/1/22	96		100%	
104	IWKD3E-01040	KD3E	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Sat 3/12/22	Sun 4/12/22	NA	NA	103		0%	
112	IWSW1-01040	SW1	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Tue 24/5/22	Wed 25/5/22	Tue 24/5/22	NA	111		0%	
121	IWSW1-01040	SW2	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Mon 8/4/24	Mon 8/4/24	NA	NA	120		0%	
130	IWSW3-01040	SW3	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Sun 29/10/23	Sun 29/10/23	NA	NA	129		0%	
139	IWSW4-01040	SW4	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Tue 28/3/23	Wed 29/3/23	NA	NA	138		0%	
148	IWSW5-01040	SW5	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for September 2022			1 day	Wed 12/2/25	Wed 12/2/25	NA	NA	147		0%	
249	**CWPC-00000**	*	**Construction Works of Portion C of the Site**			**1720.8 days**	**Mon 16/9/19**	**Thu 3/7/25**	**Mon 16/9/19**	**NA**			**46%**	
250	**CUV1-00000**	*	**UV System No. 1 & Effluent Pumping Station No. 1 (1)**			**970 days**	**Mon 16/9/19**	**Wed 21/12/22**	**Mon 16/9/19**	**NA**			**94%**	
281	CUV1-09041	KD1A	Walls, Slabs and staircase Construction @+7.4mPD to 16.4mPD [Additional SP1-3 puddle (DN100 x 2 & DN80)	(204),(228)	(108), (146), (148), (179), (182)	41 days	Sat 20/3/21	Wed 12/5/21	Sat 20/3/21	Wed 12/5/21	278	284,285,283,287	100%	
282	CUV1-10000	KD1A	Construction of Switch room	(204),(228)		51 days	Tue 23/3/21	Wed 12/5/21	Tue 23/3/21	Wed 12/5/21			100%	
284	**CUV1-11000**	**KD1A**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Wed 12/5/21**	**Wed 12/5/21**	**Wed 12/5/21**	**Wed 12/5/21**	**281**	**36FF**	**100%**	
285	CUV1-12000	SW1	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		(95), (296), (367), 359	256 days	Tue 18/5/21	Fri 25/3/22	Tue 18/5/21	Fri 25/3/22	242SS,168SS,281	581,582,583,286	100%	
288	CUV1-12200	SW1	Effluent Chamber (including Additional Works from PMI)		292	163 days	Tue 7/9/21	Fri 25/3/22	Tue 7/9/21	Fri 25/3/22	287FS+1 day	44FF,289	100%	
290	CUV1-12500	SW4	Underground utilities works - Revised Cable Ducts plan		318, 276,219,248,207	47 days	Tue 16/8/22	Wed 12/10/22	NA	NA	286FF	496SS,432SS	0%	
291	CUV1-13000	SW5	Surrounding Site formation works and road works			180 days	Fri 10/3/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
292	**CSDC-00000**	*	**Sludge Digesters and Distribution Chamber (4)**			**1143 days**	**Sat 7/12/19**	**Wed 18/10/23**	**Sat 7/12/19**	**NA**			**62%**	
314	**CSDC-12000**	**KD3A**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**1 day**	**Fri 2/9/22**	**Fri 2/9/22**	**Fri 2/9/22**	**Fri 2/9/22**	**305,313**	**38FF**	**100%**	
320	CSDC-12050	SW3	Civil & Structural works at G/F			45 days	Tue 14/3/23	Thu 11/5/23	NA	NA	319	46FF	0%	
323	CSDC-15000	SW3	ABWF Works & BS Works, Change to Work Information (Apply Internal Anti-corrosion Protective Lining)		(173),594	71 days	Wed 3/8/22	Thu 27/10/22	Wed 3/8/22	NA	242SS,168SS,305FS+15 days	46FF	0%	
324	CSDC-15500	SW4	Surrounding sewerage, utility and process pipe works		358,298,222,248,205,206	93 days	Tue 15/11/22	Fri 10/3/23	NA	NA	321	47FF,581FS-360 days,582FS-3	0%	
325	CSDC-16000	SW5	Surrounding Site formation works and road works			180 days	Fri 10/3/23	Wed 18/10/23	NA	NA	324	48FF,351FF,371FF,385FF,403F	0%	
326	**CSDB-00000**	*	**Sludge Dewatering Building (2)**			**875.8 days?**	**Tue 26/11/19**	**Wed 9/11/22**	**Tue 26/11/19**	**NA**			**67%**	
345	**CSDB-12000**	**KD3B**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Tue 7/6/22**	**Tue 7/6/22**	**Tue 7/6/22**	**Tue 7/6/22**	**344**	**39FF,346FS+65 days,348**	**100%**	
349	CSDB-14000	SW3	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		(95), (173),594	187 days	Sat 30/4/22	Mon 12/12/22	Sat 30/4/22	NA	242SS,168SS,344SS+37 days	46FF	0%	
350	CSDB-14500	SW4	Surrounding sewerage, utility and process pipe works		(335),(53),219,248,205,206,207	128 days	Thu 11/8/22	Fri 13/1/23	Thu 11/8/22	NA	346SS	47FF,581FS-367 days,582FS-3	0%	
351	CSDB-15000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
352	**CHPB-00000**	*	**Combined Heat Power Building (3)**			**1141 days**	**Tue 10/12/19**	**Wed 18/10/23**	**Tue 10/12/19**	**NA**			**47%**	
367	**CHPB-09000**	**KD3C**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Fri 30/9/22**	**Fri 30/9/22**	**Fri 30/9/22**	**Fri 30/9/22**	**366FS-20 days**	**40FF**	**100%**	
369	CHPB-11000	SW3	ABWF Works & BS Works with additional/change to works information		(173)	52 days	Sat 8/10/22	Wed 7/12/22	NA	NA	242SS,168SS,366FS-15 days	46FF	0%	
370	CHPB-11500	SW4	Surrounding sewerage, utility and process pipe works		221,219,220,248,205,206	64 days	Thu 3/11/22	Thu 19/1/23	NA	NA	366FS+7 days	47FF,581FS-428 days,582FS-4	0%	
371	CHPB-12000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
372	**CSPS-00000**	*	**Sewage Pumping Station (9)**			**1162 days**	**Fri 15/11/19**	**Wed 18/10/23**	**Fri 15/11/19**	**NA**			**75%**	
382	CSPS-09000	KD3E	R.C. Structure & waterproofing works - Change to Work Information (Additional Puddle Flange and Civil Provision)	268, 338, (204),	*(63) ,(303), (341)*	297 days	Tue 26/1/21	Wed 26/1/22	Tue 26/1/21	Wed 26/1/22	380,166,238,239,240,381SS-2 emon	383,42FF	100%	
383	CSPS-10000	SW3	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining			90.5 days	Tue 3/5/22	Sat 20/8/22	Tue 3/5/22	Sat 20/8/22	242SS,168SS,167,382	46FF	100%	3
384	CSPS-10500	SW4	Surrounding sewerage, utility and process pipe works		386 , 299	45 days	Mon 13/6/22	Thu 4/8/22	Mon 13/6/22	Thu 4/8/22	311FS-38 days	47FF,581FS-148 days,582FS-1	100%	
385	CSPS-11000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
386	**CWS2-00000**	*	**Workshop No. 2 (5)**			**1212 days**	**Mon 16/9/19**	**Wed 18/10/23**	**Mon 16/9/19**	**NA**			**61%**	
398	CWS2-08030	KD3D	Roof Construction @+19.00mPD - Revised Civil Requirements in R/F		(302)	14 days	Fri 5/11/21	Sat 20/11/21	Fri 5/11/21	Sat 20/11/21	397	399	100%	
399	**CWS2-09000**	**KD3D**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Sat 20/11/21**	**Sat 20/11/21**	**Sat 20/11/21**	**Sat 20/11/21**	**398**	**41FF**	**100%**	
401	CWS2-11000	SW3	ABWF Works & BS Works - Revised Architectural Layout & Schedule for Doors, Louvers and Windows		(95), (173), (406,407,408)	278 days	Mon 22/11/21	Mon 31/10/22	Mon 22/11/21	NA	242SS,168SS	46FF	64%	
402	CWS2-11500	SW4	Surrounding sewerage, utility and process pipe works		221,219,220,205,206,207	40 days	Fri 5/8/22	Wed 21/9/22	Fri 5/8/22	Wed 21/9/22	384	47FF,581FS-200 days,582FS-2	100%	
403	CWS2-12000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
404	**CTHP-00000**	*	**Thermal Hydrolysis Pretreatment (6)**			**1339.8 days**	**Thu 19/12/19**	**Wed 10/7/24**	**Thu 19/12/19**	**NA**			**29%**	
414	CTHP-09000	KD3E, SW3	R.C. Plinth - Change to Works Information	268, 338	225, (115),(236)	0 days	Mon 2/11/20	Mon 2/11/20	Mon 2/11/20	Mon 2/11/20	412,308,413SS-2 emons	42FF,46FF	100%	
415	CTHP-09500	SW4	Surrounding sewerage, utility and process pipe works			64 days	Mon 31/10/22	Mon 16/1/23	NA	NA	346FS+28 days	47FF,581FS-200 days,582FS-2	0%	
416	CTHP-10000	SW5	Surrounding Site formation works and road works			180 days	Sat 13/1/24	Wed 10/7/24	NA	NA	325FF	48FF	0%	
417	**CFCD-00000**	*	**Ferric Chloride Dosing Facilities (10)**			**903.8 days**	**Tue 15/6/21**	**Wed 10/7/24**	**Tue 15/6/21**	**NA**			**27%**	
422	CFCD-04000	KD3E	Steel Roof Structure (On-site Fabrication)			25 days	Sat 30/7/22	Fri 7/10/22	Sat 30/7/22	NA	421	423,42FF,470FS-11 days	0%	
423	CFCD-05000	SW3	ABWF Works & BS Works, Change to Work Information (Application of Protective Lining System)		*594*	28 days	Fri 7/10/22	Wed 9/11/22	NA	NA	422,242,168	46FF,581FS-185 days,582FS-1	0%	
424	CFCD-05500	SW4	Surrounding sewerage, utility and process pipe works - Updated Process Pipes Arrangement		386, 298	35 days	Wed 21/9/22	Wed 2/11/22	Wed 21/9/22	NA	402	47FF,581FS-200 days,582FS-2	0%	
425	CFCD-06000	SW5	Surrounding Site formation works and road works			180 days	Sat 13/1/24	Wed 10/7/24	NA	NA	325FF	48FF	0%	
426	**CFHB-00000**	*	**Fire Hydrant and Booster Pump Room (16)**			**877.8 days**	**Fri 16/7/21**	**Wed 10/7/24**	**Fri 16/7/21**	**NA**			**0%**	
430	CFHB-03000	KD3E	R.C. Structure & waterproofing works			40 days	Tue 1/11/22	Sat 17/12/22	NA	NA	428FS+1 day	431,42FF	0%	5
431	CFHB-04000	SW3	ABWF Works & BS Works			24 days	Sat 17/12/22	Wed 18/1/23	NA	NA	430,242SS,168SS	46FF,581FS-320 days,582FS-3	0%	
432	CFHB-04500	SW4	Surrounding sewerage, utility and process pipe works			46 days	Wed 12/10/22	Mon 5/12/22	NA	NA	290SS,346SS	47FF,581FS-200 days,582FS-2	0%	
433	CFHB-05000	SW5	Surrounding Site formation works and road works			180 days	Sat 13/1/24	Wed 10/7/24	NA	NA	325FF	48FF	0%	
434	**CTFS-00000**	*	**Transformer and Switchroom (15)**			**671 days**	**Fri 16/7/21**	**Wed 18/10/23**	**Fri 16/7/21**	**NA**			**0%**	
438	CTFS-03000	KD3E	R.C. Structure			47 days	Fri 28/10/22	Thu 22/12/22	NA	NA	436,166,238,437	439,42FF	0%	5
439	CTFS-04000	SW3	ABWF Works & BS Works		(95)	22 days	Thu 22/12/22	Fri 20/1/23	NA	NA	438,242SS,168SS	46FF	0%	
440	CTFS-04500	SW4	Surrounding sewerage, utility and process pipe works			58 days	Thu 11/8/22	Thu 20/10/22	NA	NA	350SS	47FF,581FS-200 days,582FS-2	0%	
441	CTFS-05000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
442	**CUC-00000**	*	**Utility Corridor (13)**		**204**	**310 days**	**Wed 5/10/22**	**Fri 20/10/23**	**NA**	**NA**			**0%**	
446	CUC-03500	SW4	Surrounding sewerage, utility and process pipe works		248,205,207	50 days	Tue 10/1/23	Mon 13/3/23	NA	NA	444	47FF,581FS-200 days,582FS-2	0%	
447	CUC-04000	SW5	Surrounding Site formation works and road works			180 days	Mon 13/3/23	Fri 20/10/23	NA	NA	446	48FF	0%	
448	**CWMC-00000**	*	**Water Meter Cabinet (11)**		**204**	**332 days**	**Sun 4/9/22**	**Wed 18/10/23**	**NA**	**NA**			**0%**	
454	CWMC-04000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA	NA	325FF	48FF	0%	
455	**CGH-00000**	*	**Guard House (14)**			**834.8 days**	**Fri 16/7/21**	**Sat 18/5/24**	**Fri 16/7/21**	**NA**			**0%**	
460	CGH-03500	SW4	Surrounding sewerage, utility and process pipe works		205	112 days	Fri 20/1/23	Sat 10/6/23	NA	NA	444SS+59 days		0%	
461	CGH-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 21/11/23	Sat 18/5/24	NA	NA	325FF	48FF	0%	
462	**CCPS-00000**	*	**THP Coolers Pumping Station (21)**			**554 days**	**Fri 3/12/21**	**Wed 18/10/23**	**Fri 3/12/21**	**NA**			**23%**	



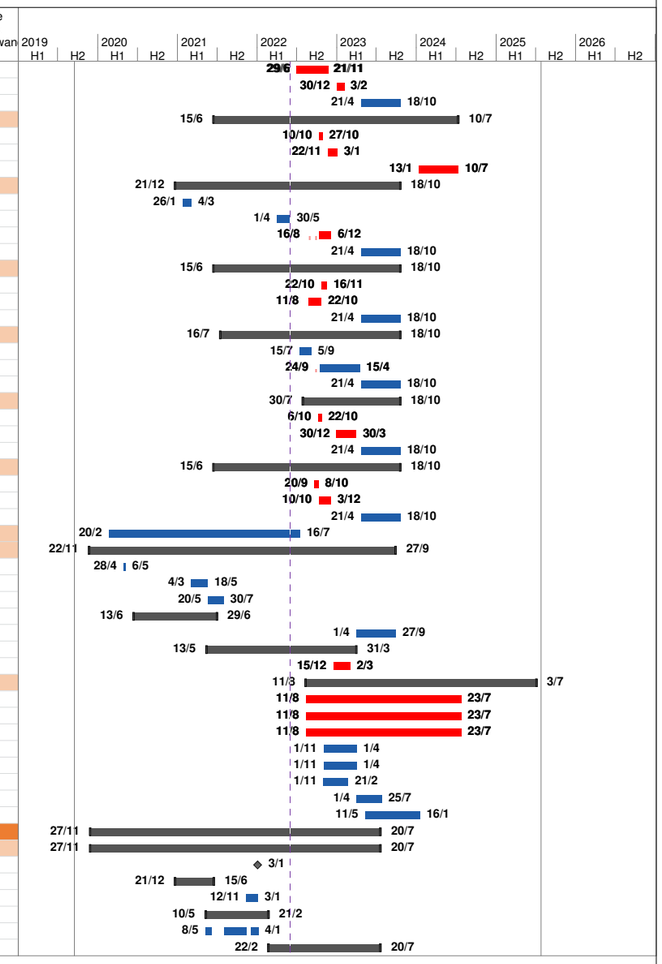
Critical Split | Task | Milestone | Summary | Critical

Contract No.: DC/2018/06
Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

Executive Summary Programme (Status Date: 20/10/2022)

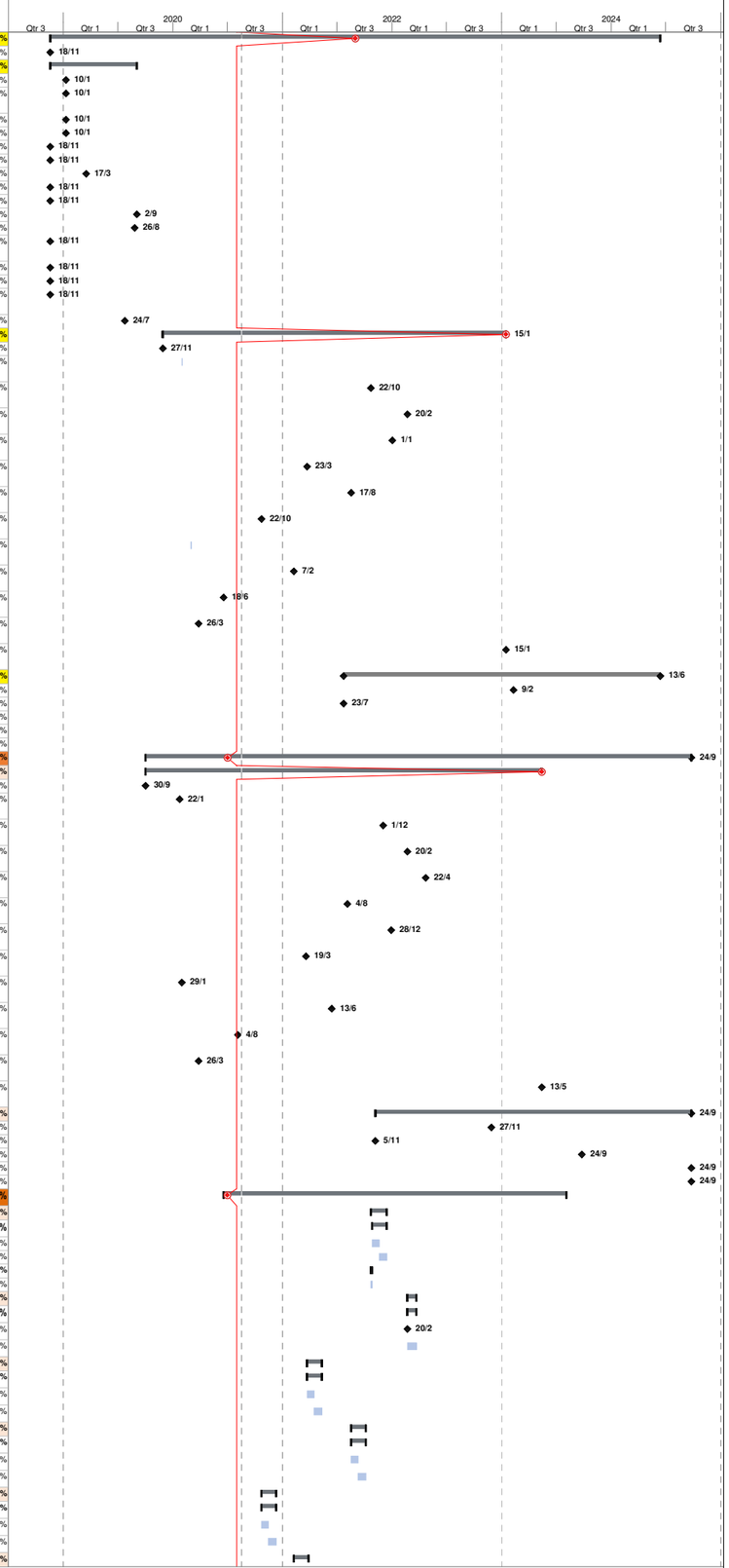
群利－俊和聯營體
KL－CW JV

ID	Activity ID	KD	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	% Complete	Time Risk Allowan
466	CCPS-02000	KD3E	R.C. Structure			121 days	Wed 29/6/22	Mon 21/11/22	Wed 29/6/22		NA 166,238,465SS-2 emons,464FS+61	467FS+32 days	0%	5
467	CCPS-02500	SW4	Surrounding sewerage, utility and process pipe works			26 days	Fri 30/12/22	Fri 3/2/23	NA		NA 466FS+32 days	47FF	0%	
468	CCPS-03000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF		0%	
469	**CWGB-00000**	*	**Waste Gas Burner (8)**			**903.8 days**	**Tue 15/6/21**	**Wed 10/7/24**	**Tue 15/6/21**		**NA**		**0%**	
473	CWGB-03000	KD3E	R.C. Plinth			15 days	Mon 10/10/22	Thu 27/10/22	NA		NA 166,472SS-2 emons,471	42FF,474	0%	
474	CWGB-03500	SW4	Surrounding sewerage, utility and process pipe works			34 days	Tue 22/11/22	Tue 3/1/23	NA		NA 473,384SS	47FF,581FS-200 days,582FS-2	0%	
475	CWGB-04000	SW5	Surrounding Site formation works and road works			180 days	Sat 13/1/24	Wed 10/7/24	NA		NA 325FF	48FF	0%	
476	**CPSW-00000**	*	**Plant Services Water System (20)**			**835 days**	**Mon 21/12/20**	**Wed 18/10/23**	**Mon 21/12/20**		**NA**		**30%**	
480	CPSW-03000	KD3E	Basement Construction @+1.20mPD - Change to Works Information (Basement)		*(136), (117)*	30 days	Tue 26/1/21	Thu 4/3/21	Tue 26/1/21	Thu 4/3/21	478,166,479SS-2 emons	42FF,481	100%	
481	CPSW-03500	SW3	ABWF Works & BS Works			60 days	Fri 1/4/22	Mon 30/5/22	Fri 1/4/22	Mon 30/5/22	480	482,46FF	100%	
482	CPSW-03600	SW4	Surrounding sewerage, utility and process pipe works - (Updated Process Pipe Arrangement)		*439,455*	94 days	Tue 16/8/22	Tue 6/12/22	Tue 16/8/22		NA 481,350SS,432SS	47FF,581FS-200 days,582FS-2	0%	
483	CPSW-04000	SW5	Surrounding Site formation works and road works	338,(204),		180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF	48FF	0%	
484	**CDS11-00000**	*	**Deodorization System No. 11 (18)**			**697 days**	**Tue 15/6/21**	**Wed 18/10/23**	**Tue 15/6/21**		**NA**		**0%**	
488	CDS11-03000	KD3E, SW3	R.C. Plinth			21 days	Sat 22/10/22	Wed 16/11/22	NA		NA 486,166,487SS-2 emons	42FF,449SS,46FF	0%	
489	CDS11-03500	SW4	Surrounding sewerage, utility and process pipe works			60 days	Thu 11/8/22	Sat 22/10/22	Thu 11/8/22		NA 346SS	47FF	0%	
490	CDS11-04000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF	48FF	0%	
491	**CBGH-00000**	*	**Biogas Holder (7)**			**671 days**	**Fri 16/7/21**	**Wed 18/10/23**	**Fri 16/7/21**		**NA**		**25%**	
495	CBGH-03000	KD3E, SW3	R.C. Plinth - Change to Works Information (Resize of Plinth)		481	45 days	Fri 15/7/22	Mon 5/9/22	Fri 15/7/22	Mon 5/9/22	493,166,494SS-2 emons,492FS-17	42FF,46FF,496FS+16 days	100%	
496	CBGH-03500	SW4	Surrounding sewerage, utility and process pipe works - update process pipe arrangement, Revised Plan for Pipe		262,297,248	163 days	Sat 24/9/22	Sat 15/4/23	Sat 24/9/22		NA 290SS,305,495FS+16 days	47FF,581FS-200	0%	
497	CBGH-04000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF	48FF	0%	
498	**CH2S-00000**	*	**H2S Removal System (12)**			**363 days**	**Sat 30/7/22**	**Wed 18/10/23**	**Sat 30/7/22**		**NA**		**2%**	
502	CH2S-03000	KD3E, SW3	R.C. Plinth			15 days	Thu 6/10/22	Sat 22/10/22	NA		NA 500	42FF,46FF	0%	
503	CH2S-03500	SW4	Surrounding sewerage, utility and process pipe works	248		73 days	Fri 30/12/22	Thu 30/3/23	NA		NA 319SS+50 days	47FF,581FS-200 days,582FS-2	0%	
504	CH2S-04000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF	48FF	0%	
505	**CDS12-00000**	*	**Deodorization System No. 12 (19)**			**697 days**	**Tue 15/6/21**	**Wed 18/10/23**	**Tue 15/6/21**		**NA**		**4%**	
509	CDS12-03000	KD3E, SW3	R.C. Plinth			15 days	Tue 20/9/22	Sat 8/10/22	Tue 20/9/22		NA 166,508SS-2 emons,507	42FF,46FF,510	0%	
510	CDS12-03500	SW4	Surrounding sewerage, utility and process pipe works			48 days	Mon 10/10/22	Sat 3/12/22	NA		NA 509	47FF,581FS-200 days,582FS-2	0%	
511	CDS12-04000	SW5	Surrounding Site formation works and road works			180 days	Fri 21/4/23	Wed 18/10/23	NA		NA 325FF	48FF	0%	
512	CUPH-00000	SW5	Underpass & Pump House			711 days	Thu 20/2/20	Sat 16/7/22	Thu 20/2/20		NA	47FF	81%	
513	**CPWU-00000**	*	**Pipe Works and Utility Installation**			**1140.8 days**	**Fri 22/11/19**	**Wed 27/9/23**	**Fri 22/11/19**		**NA**		**77%**	
518	CPWU-01130	KD1A	Stage 1 - Backfilling Works for Drainage Diversion			9 days	Tue 28/4/20	Wed 6/5/20	Tue 28/4/20	Wed 6/5/20		263	100%	
519	CPWU-01140	KD1A	Stage 2 - Drainage Diversion of Drainage b/w MHD26 and SMHH1003177A, to Abandon of Exisitng Drainage Cul	338, (204), (228		60 days	Thu 4/3/21	Tue 18/5/21	Thu 4/3/21	Tue 18/5/21	275	520	100%	
520	CPWU-01150	SW1	Stage 2 - Drainage Diversion of Drainage b/w MHD26 and SMHH1003177A, to Abandon of Exisitng Drainage Cul			60 days	Thu 20/5/21	Fri 30/7/21	Thu 20/5/21	Fri 30/7/21	519	44FF	100%	
521	**CPWU-01200**	**SW4**	**Trenchless Work for Pipe Installation**			**309 days**	**Sat 13/6/20**	**Tue 29/6/21**	**Sat 13/6/20**	**Tue 29/6/21**		**47FF**	**100%**	
544	CPWU-01020	SW5	Surrounding Site formation works and road works			180 days	Sat 1/4/23	Wed 27/9/23	NA		NA 543,545	48FF	0%	
545	**CPWU-02160**	**SW4**	Cable & Other Underground Utility Pipeworks	**17, 21, 22, 33, 4**	**(283)**	**561.8 days**	**Thu 13/5/21**	**Fri 31/3/23**	**Thu 13/5/21**		**NA 171,336,393**	**544,47FF**	**61%**	
579	CPWU-02200	SW4	Pipe Bridge No.1		297	60 days	Thu 15/12/22	Thu 2/3/23	NA		NA 344FS+120 days		0%	
580	**CRWL-00000**	*	**Remaining Works & Landscape Works**			**861 days**	**Thu 11/8/22**	**Thu 3/7/25**	**NA**		**NA**		**0%**	
581	CRWL-01000	SW5	Irrigation System		218	570 days	Thu 11/8/22	Tue 23/7/24	NA		NA 174,285,324FS-360 days,350FS-367	48FF,50	0%	
582	CRWL-02000	SW5	Hard Landscape Works			570 days	Thu 11/8/22	Tue 23/7/24	NA		NA 174,285,324FS-360 days,350FS-367	48FF,50	0%	
583	CRWL-03000	SW5	Soft Landscape Works			570 days	Thu 11/8/22	Tue 23/7/24	NA		NA 174,285,324FS-360 days,350FS-367	589,48FF,50	0%	
584	CRWL-04000	SW5	Outfall for Effluent Pipes			124 days	Tue 1/11/22	Sat 1/4/23	NA		NA 214	48FF	0%	
585	CRWL-05000	SW5	Slope Formation Works near Outfall			124 days	Tue 1/11/22	Sat 1/4/23	NA		NA 214	48FF,587	0%	
586	CRWL-06000	SW5	Removal of invasive trees along River Embankment		(37)	90 days	Tue 1/11/22	Tue 21/2/23	NA		NA 214	587	0%	
587	CRWL-07000	SW5	Retaining Wall along River Embankment, street furniture & road works			90 days	Sat 1/4/23	Tue 25/7/23	NA		NA 214,586,585	48FF	0%	
588	CRWL-08000	SW5	Remaining Site formation works, road works and boundary fence wall		(348), 299	250 days	Thu 11/5/23	Tue 16/1/24	NA		NA 46	48FF	0%	
590	**CWPA-00000**	*	**Construction of Portion A of the Site**			**1077 days**	**Wed 27/11/19**	**Thu 20/7/23**	**Wed 27/11/19**		**NA**		**79%**	
591	**C132S-00000**	*	**132kV Substation**			**1077 days**	**Wed 27/11/19**	**Thu 20/7/23**	**Wed 27/11/19**		**NA**		**79%**	
622	C132SI-31000	KD2A	**Allow for CLP to carry out E&M installation works**			**0 days**	**Mon 3/1/22**	**Mon 3/1/22**	**Mon 3/1/22**	**Mon 3/1/22**	**620,619,640**	**623SS-30 days,37FF,643**	**100%**	
625	**C132SE-01000**	**KD2A**	**Road Widening Works**	**(20)**		**139 days**	**Mon 21/12/20**	**Tue 15/6/21**	**Mon 21/12/20**	**Tue 15/6/21**		**643**	**100%**	
634	C132SE-02030	KD2A	Backfilling and Reinstatement Works		(312), (332), (322)	42 days	Fri 12/11/21	Mon 3/1/22	Fri 12/11/21	Mon 3/1/22	633		100%	
635	C132SE-02040	KD2A	CLP Cable & Other Underground Utility Pipeworks			235 days	Mon 10/5/21	Mon 21/2/22	Mon 10/5/21	Mon 21/2/22		643	100%	
642	C132SE-03000	KD2A	Construction of New Boundary Wall		(155)	135 days	Sat 8/5/21	Tue 4/1/22	Sat 8/5/21	Tue 4/1/22	606	655	100%	
643	C132SE-04000	SW2	Remaining Works after allowing CLP Plant and Power Cables Installation			416 days	Tue 22/2/22	Thu 20/7/23	Tue 22/2/22		NA 623,621,622,625,630,635	45FF,655	22%	

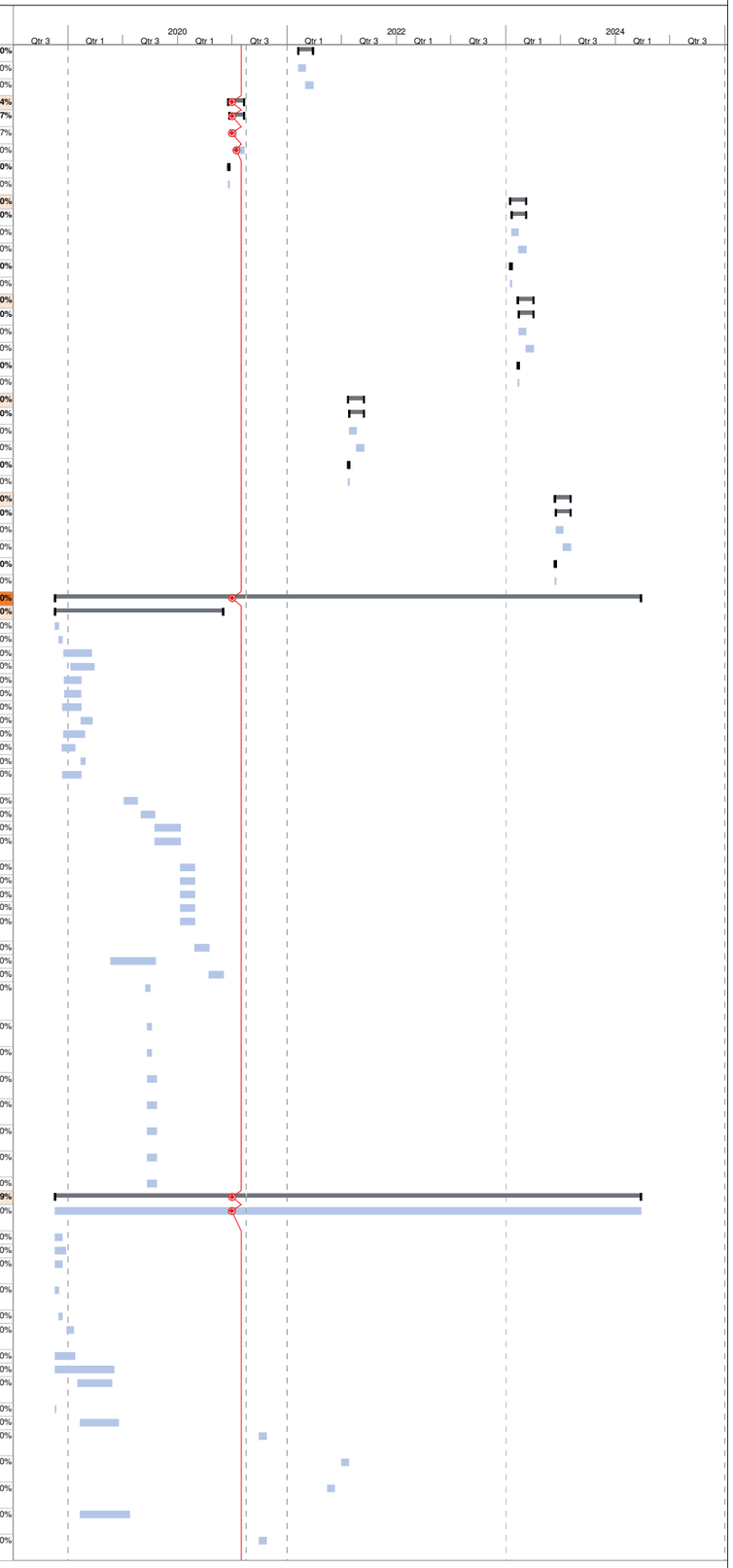


Critical Split | Task | Milestone | Summary | Critical

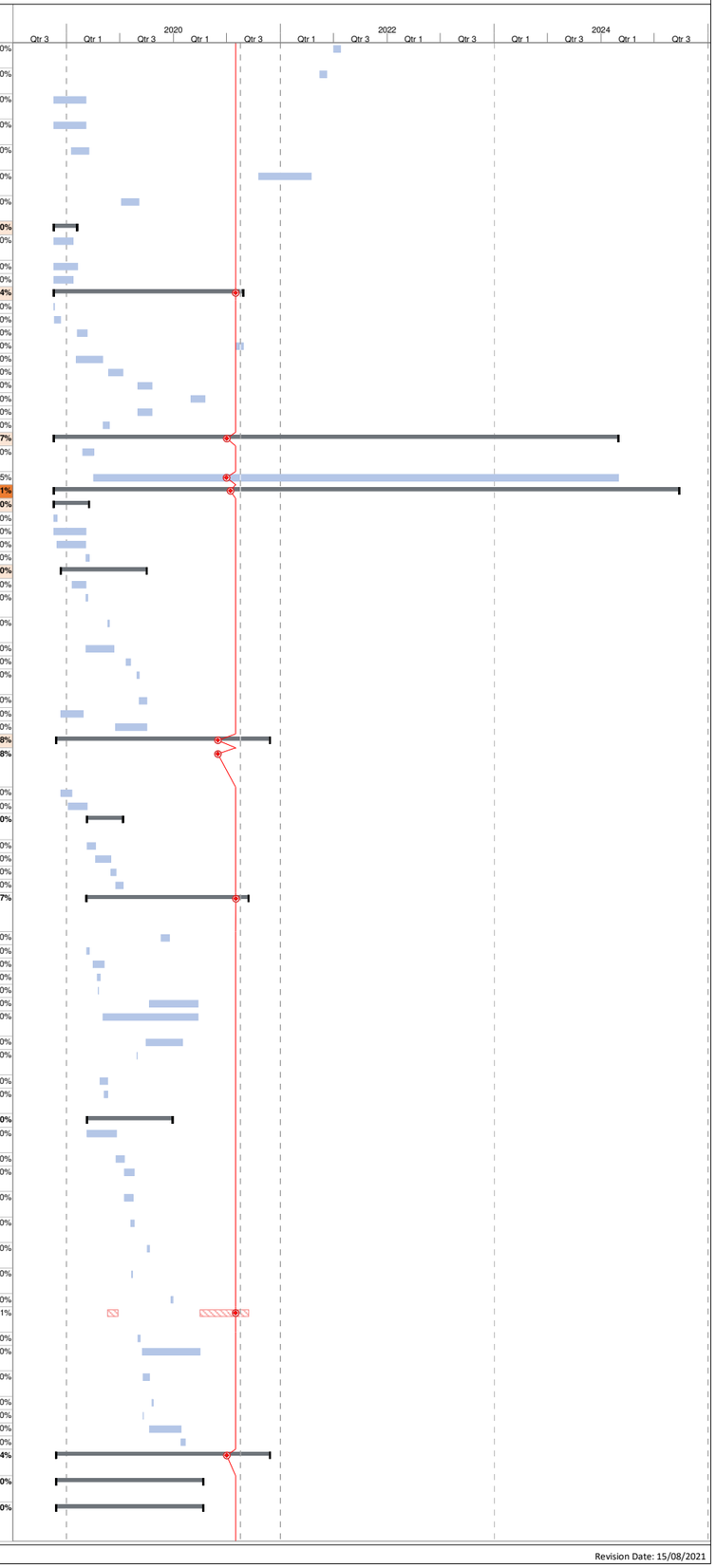
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
1	**CD-1000**		**Contract Dates**			**1585 days**	**Mon 18/11/19**	**Thu 27/3/25**	**1651.5 days**	**Mon 18/11/19**	**Fri 13/6/25**	**Mon 18/11/19**	**NA**			**88.5 days**		**0%**
2	CD-1010		Starting Date			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19		8,9,13FS+290 days,14FS+311 days	0 days		100%
3	**CAD-1000**		**Access Dates (cal. day)**			**310 days**	**Mon 18/11/19**	**Wed 23/9/20**	**289 days**	**Mon 18/11/19**	**Wed 2/9/20**	**Mon 18/11/19**	**Wed 2/9/20**			**0 days**		**100%**
4	CAD-1010		Portion B-1 (Access Road AR3)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	2	201	0 days		100%
5	CAD-1020		Portion B-1A (Area for the works for Sidestream Treatment Facilities by Others			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	2		0 days		100%
6	CAD-1030		Portion B-2 (Inlet Works No.1)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	2	295,306	0 days		100%
7	CAD-1040		Portion B-2A (Area for the pipe-jacking works by others)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	Fri 10/1/20	2		0 days		100%
8	CAD-1050		Portion B-3 (Primary Sedimentation Tanks No. 1-4)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	335	0 days		100%
9	CAD-1060		Portion B-4 (Bioreactor No. 2A & 2B)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	353	0 days		100%
10	CAD-1070		Portion B-5 (Membrane Facilities Building No.2)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Tue 17/3/20	Tue 17/3/20	Tue 17/3/20	Tue 17/3/20	2	402,419,425	0 days		100%
11	CAD-1080		Portion B-6 (SAS Pumping Station)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	434	0 days		100%
12	CAD-1090		Portion B-7 (Ancillary structures)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	461	0 days		100%
13	CAD-1100		Portion B-7A (Alternation works for existing Power House)			0 days	Wed 2/9/20	Wed 2/9/20	0 days	Wed 2/9/20	Wed 2/9/20	Wed 2/9/20	Wed 2/9/20	2FS+290 days	539FS-1 day,29FS+179 days	0 days		100%
14	CAD-1110		Portion B-8 (Alternation for existing Membrane Facilities Building No.1)			0 days	Tue 22/9/20	Tue 22/9/20	0 days	Wed 26/8/20	Wed 26/8/20	Wed 26/8/20	Wed 26/8/20	2FS+311 days	541FS-1 day	0 days		100%
15	CAD-1020		Portion B-8A (Alternation of air supply main for existing Air Blower House No.2)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	532	0 days		100%
16	CAD-1130		Portion B-9 (remainder works in Zone B)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2	542,556	0 days		100%
17	CAD-1140		Portion B-9A (Area for the pipe-jacking works by others)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2		0 days		100%
18	CAD-1150		Portion B-9B (Area for underground pipework modification and connection works by others)			0 days	Mon 18/11/19	Mon 18/11/19	0 days	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	2		0 days		100%
19	CAD-1160		Portion B-9C (Area for the works for pipeworks)			0 days	Wed 22/7/20	Wed 22/7/20	0 days	Fri 24/7/20	Fri 24/7/20	Fri 24/7/20	Fri 24/7/20	2FS+151 days		0 days		100%
20	**CKD-1000**		**Key Dates (cal. day)**			**1440 days**	**Tue 19/11/19**	**Sat 28/10/23**	**1144 days**	**Fri 27/11/20**	**Mon 15/1/24**	**Fri 27/11/20**	**NA**			**618 days**		**99%**
21	CKD-1010		KD1A completion of AR3 in Portion B-1 (375 days after starting date)			300 days	Tue 19/11/19	Sun 13/9/20	0 days	Fri 27/11/20	Fri 27/11/20	Fri 27/11/20	Fri 27/11/20	2FS+376 days		0 days		100%
22	CKD-1020		KD1B completion of utilities diversion for commencement of Inlet Works No.1 in Portion B-2 (438.5 days after starting date)			360 days	Tue 19/11/19	Thu 12/11/20	1 day	Sat 30/1/21	Sat 30/1/21	Sat 30/1/21	Sat 30/1/21	2FS+439.5 days		0 days		100%
23	CKD-1030		KD1C completion of civil and structural works of Inlet Works No.1 in Portion B-2 (1068.5 days after starting date)			990 days	Tue 19/11/19	Thu 4/8/22	0 days	Sat 22/10/22	Sat 22/10/22	NA	NA	2FS+1069.5 days	67	1056.5 days		0%
24	CKD-1040		KD1D completion of civil and structural works of Primary Sedimentation Tanks in Portion B-3 (1190days after starting date)			1190 days	Tue 19/11/19	Mon 20/2/23	0 days	Mon 20/2/23	Mon 20/2/23	NA	NA	2FS+1191 days	70	947 days		0%
25	CKD-1050		KD1E completion of civil and structural works of Bioreactor in Portion B-4 (1140days after starting date)			1140 days	Tue 19/11/19	Sun 1/1/23	0 days	Sun 1/1/23	Sun 1/1/23	NA	NA	2FS+1141 days		997 days		0%
26	CKD-1060		KD1F completion of civil and structural works of MFB from B2 floor to 1st floor level in Portion B-5 (855.5 days after starting date)			800 days	Tue 19/11/19	Wed 26/1/22	0 days	Wed 23/3/22	Wed 23/3/22	NA	NA	2FS+856.5 days	74	1273.5 days		0%
27	CKD-1070		KD1G completion of civil and structural works of MFB in Portion B-5 (1002.5 days after starting date)			950 days	Tue 19/11/19	Sat 25/6/22	0 days	Wed 17/8/22	Wed 17/8/22	NA	NA	2FS+1003.5 days	78	1126.5 days		0%
28	CKD-1080		KD1H completion of civil and structural works of SAS Pumping Station in Portion B-6 (703.5 days after starting date)			630 days	Tue 19/11/19	Mon 9/8/21	0 days	Fri 22/10/21	Fri 22/10/21	NA	NA	2FS+704.5 days	82	1425.5 days		0%
29	CKD-1090		KD1I completion alternation works for existing Power House in Portion B-7A (179days after access date of B-7A)			150 days	Fri 4/9/20	Sun 31/1/21	1 day	Mon 1/3/21	Mon 1/3/21	Mon 1/3/21	Mon 1/3/21	13FS+179 days		0 days		100%
30	CKD-1100		KD1J completion of auxiliary facilites in Portion B-7 (811.5 days after starting date)			800 days	Tue 19/11/19	Wed 26/1/22	0 days	Mon 7/2/22	Mon 7/2/22	NA	NA	2FS+812.5 days	86	1317.5 days		0%
31	CKD-1110		KD2A completion of effluent pipes to UV system and connection to its downstream in Portion B-9 (577.5 days after starting date)			495 days	Tue 19/11/19	Sat 27/3/21	0 days	Fri 18/6/21	Fri 18/6/21	Fri 18/6/21	Fri 18/6/21	2FS+578.5 days	93	0 days		100%
32	CKD-1120		KD2B completion of air supply main alternation to existing air blower house No.2 in Portion B-8A (494 days after starting date)			420 days	Tue 19/11/19	Mon 11/1/21	0 days	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	2FS+495 days		0 days		100%
33	CKD-1130		KD3A completion of all utilities and road works (1519 days after starting date)			1440 days	Tue 19/11/19	Sat 28/10/23	0 days	Mon 15/1/24	Mon 15/1/24	NA	NA	2FS+1520 days	99	606 days		0%
34	**CCD-1000**		**Completion Date (cal. Day)**			**1956 days**	**Tue 19/11/19**	**Thu 27/3/25**	**1056 days**	**Sat 23/7/22**	**Fri 13/6/25**	**Sat 23/7/22**	**NA**			**50.5 days**		**0%**
35	CCD-1010		Section 1 of the Works (1,543.5 after starting date)			1460 days	Tue 19/11/19	Fri 17/11/23	0 days	Fri 9/2/24	Fri 9/2/24	NA	NA	2FS+1544.5 days	105	0 days		0%
36	CCD-1020		Section 2 of the Works (977.5 after starting date)			900 days	Tue 19/11/19	Fri 6/5/22	0 days	Sat 23/7/22	Sat 23/7/22	NA	NA	2FS+978.5 days	111	0 days		0%
37	CCD-1030		Section 3 of the Works (1,667.5 after starting date)			1590 days	Tue 19/11/19	Tue 26/3/24	0 days	Wed 12/6/24	Wed 12/6/24	NA	NA	2FS+1668.5 days	39FS+1 day,117,38FS+1 day	-77.5 days		99%
38	CCD-1040		Defects Liability Period			365 days	Wed 27/3/24	Thu 27/3/25	365 days	Thu 13/6/24	Fri 13/6/25	NA	NA	37FS+1 day		0 days		0%
39	CCD-1050		Landscape Establishment Works			365 days	Wed 27/3/24	Thu 27/3/25	365 days	Thu 13/6/24	Fri 13/6/25	NA	NA	37FS+1 day		103.5 days		0%
40	**PD-1000**	*	**Planned Completion**			**1686 days**	**Fri 14/8/20**	**Thu 27/3/25**	**1820 days**	**Wed 30/9/20**	**Wed 24/9/25**	**Wed 30/9/20**	**NA**			**0 days**		**3%**
41	**PCD-1000**	*	**Planned Completion - Key Dates (cal. day)**			**1170 days**	**Fri 14/8/20**	**Sat 28/10/23**	**1321 days**	**Wed 30/9/20**	**Mon 13/5/24**	**Wed 30/9/20**	**NA**			**-119 days**		**99%**
42	PKD-1010	KD1A	KD1A completion of AR3 in Portion B-1 (300days after starting date)			0 days	Sat 12/9/20	Sat 12/9/20	0 days	Wed 30/9/20	Wed 30/9/20	Wed 30/9/20	Wed 30/9/20	210FF		0 days		100%
43	PCD-1020	KD1B	KD1B completion of utilities diversion for commencement of Inlet Works No.1 in Portion B-2 (360days after starting date)			0 days	Fri 14/8/20	Fri 14/8/20	0 days	Fri 22/1/21	Fri 22/1/21	Fri 22/1/21	Fri 22/1/21	286FF,291FF,273FF		0 days		100%
44	PCD-1030	KD1C	KD1C completion of civil and structural works of Inlet Works No.1 in Portion B-2 (990days after starting date)			0 days	Thu 4/8/22	Thu 4/8/22	0 days	Thu 1/12/22	Thu 1/12/22	NA	NA	330FF,322FF,248FF,294FF,212FF,250FF		-40 days		0%
45	PCD-1040	KD1D	KD1D completion of civil and structural works of Primary Sedimentation Tanks in Portion B-3 (1190days after starting date)			0 days	Mon 20/2/23	Mon 20/2/23	0 days	Mon 20/2/23	Mon 20/2/23	NA	NA	349FF,348FF,351FF,333FF		0 days		0%
46	PCD-1050	KD1E	KD1E completion of civil and structural works of Bioreactor in Portion B-4 (1,140days after starting date)			0 days	Sat 31/12/22	Sat 31/12/22	0 days	Sat 22/4/23	Sat 22/4/23	NA	NA	391FF,397FF,393FF,396FF,392FF		-111 days		0%
47	PCD-1060	KD1F	KD1F completion of civil and structural works of MFB from B2 floor to 1st floor level in Portion B-5 (800days after starting date)			0 days	Tue 25/1/22	Tue 25/1/22	0 days	Thu 4/8/22	Thu 4/8/22	NA	NA	430FF		-135 days		0%
48	PCD-1070	KD1G	KD1G completion of civil and structural works of MFB in Portion B-5 (950days after starting date)			0 days	Sat 25/6/22	Sat 25/6/22	0 days	Wed 28/12/22	Wed 28/12/22	NA	NA	431FF		-133 days		0%
49	PCD-1080	KD1H	KD1H completion of civil and structural works of SAS Pumping Station in Portion B-6 (630days after starting date)			0 days	Mon 9/8/21	Mon 9/8/21	0 days	Sat 19/3/22	Sat 19/3/22	NA	NA	459FF,458FF		-148 days		0%
50	PCD-1090	KD1I	KD1I completion alternation works for existing Power House in Portion B-7A (150days after access date of B-7A)			0 days	Sat 30/1/21	Sat 30/1/21	1 day	Fri 29/1/21	Fri 29/1/21	Fri 29/1/21	Fri 29/1/21	539FF		0 days		100%
51	PCD-1100	KD1J	KD1J completion of auxiliary facilites in Portion B-7 (800days after starting date)			0 days	Wed 26/1/22	Wed 26/1/22	0 days	Mon 13/6/22	Mon 13/6/22	NA	NA	496FF,495FF,521FF,520FF,513FF,512FF		-126 days		0%
52	PCD-1110	KD2A	KD2A completion of effluent pipes to UV system and connection to its downstream in Portion B-9 (495days after starting date)			0 days	Sat 27/3/21	Sat 27/3/21	0 days	Wed 4/8/21	Wed 4/8/21	NA	NA	545FF,543FF		-47 days		0%
53	PCD-1120	KD2B	KD2B completion of air supply main alternation to existing air blower house No.2 in Portion B-8A (420days after starting date)			0 days	Thu 3/9/20	Thu 3/9/20	1 day	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	532FF,536FF,537FF,538FF		0 days		100%
54	PCD-1130	KD3A	KD3A completion of all utilities and road works (1440days after starting date)			0 days	Sat 28/10/23	Sat 28/10/23	0 days	Mon 13/5/24	Mon 13/5/24	NA	NA	555FF,557FF		-119 days		0%
55	**PCD-1000**	*	**Planned Completion Date (cal. Day)**			**1056 days**	**Fri 6/5/22**	**Thu 27/3/25**	**1054 days**	**Sat 5/11/22**	**Wed 24/9/25**	**NA**	**NA**			**-106 days**		**0%**
56	PCD-1010	SW1	Section 1 of the Works (1,460 after starting date)			0 days	Wed 23/8/23	Wed 23/8/23	0 days	Mon 27/11/23	Mon 27/11/23	NA	NA	522FF,514FF,477FF,504FF,488FF,460FF		73 days		0%
57	PCD-1020	SW2	Section 2 of the Works (900 after starting date)			0 days	Fri 6/5/22	Fri 6/5/22	0 days	Sat 5/11/22	Sat 5/11/22	NA	NA	549FF,399FF,433FF,352FF,334FF,550FF		-106 days		0%
58	PCD-1030	SW3	Section 3 of the Works (1,590 after starting date)			0 days	Tue 26/3/24	Tue 26/3/24	0 days	Tue 24/9/24	Tue 24/9/24	NA	NA	558FF,559FF,541FF,540FF		-105 days		0%
59	PCD-1040	DLP	Defects Liability Period			0 days	Thu 27/3/25	Thu 27/3/25	0 days	Wed 24/9/25	Wed 24/9/25	NA	NA	560FF,153FF		0 days		0%
60	PCD-1050		Landscape Establishment Works			0 days	Thu 27/3/25	Thu 27/3/25	0 days	Wed 24/9/25	Wed 24/9/25	NA	NA	560FF		0 days		0%
61	**ET-1000**		**Effects from Inclement Weather and Other Time Affected Events**			**0 days**	**NA**	**NA**	**1143 days**	**Fri 18/6/21**	**Sun 4/8/24**	**Fri 18/6/21**	**NA**			**416.5 days**		**2%**
62	**ET1C-1000**		**Effects to KD1C**			**0 days**	**NA**	**NA**	**53 days**	**Sat 22/10/22**	**Wed 14/12/22**	**NA**	**NA**			**1015.5 days**		**0%**
63	**ET1C-1100**		**Inclement Weather to KD1C (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Wed 26/10/22**	**Wed 14/12/22**	**NA**	**NA**			**1015.5 days**		**0%**
64	ET1C-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Wed 26/10/22	Fri 18/11/22	NA	NA	67	65	1015.5 days		0%
65	ET1C-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Fri 18/11/22	Wed 14/12/22	NA	NA	64		1015.5 days		0%
66	**ET1C-1200**		**Other Events to KD1C (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Sat 22/10/22**	**Wed 26/10/22**	**NA**	**NA**			**1015.5 days**		**0%**
67	ET1C-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Sat 22/10/22	Wed 26/10/22	NA	NA	23	64	1056.5 days		0%
68	**ET1D-1000**		**Effects to KD1D**			**0 days?**	**NA**	**NA**	**26 days**	**Mon 20/2/23**	**Wed 22/3/23**	**NA**	**NA**			**749 days**		**0%**
69	**ET1D-1100**		**Inclement Weather to KD1D (cal. Day)**			**0 days?**	**NA**	**NA**	**26 days**	**Mon 20/2/23**	**Wed 22/3/23**	**NA**	**NA**			**749 days**		**0%**
70	ET1D-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	0 days	Mon 20/2/23	Mon 20/2/23	NA	NA	24	71	749 days		0%
71	ET1D-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Tue 21/2/23	Wed 22/3/23	NA	NA	70		749 days		0%
72	**ET1F-1000**		**Effects to KD1F**			**0 days**	**NA**	**NA**	**49 days**	**Wed 23/3/22**	**Wed 11/5/22**	**NA**	**NA**			**1232.5 days**		**0%**
73	**ET1F-1100**		**Inclement Weather to KD1F (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Wed 23/3/22**	**Wed 11/5/22**	**NA**	**NA**			**1232.5 days**		**0%**
74	ET1F-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Wed 23/3/22	Fri 15/4/22	NA	NA	26	75	1232.5 days		0%
75	ET1F-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Fri 15/4/22	Wed 11/5/22	NA	NA	74		1232.5 days		0%
76	**ET1G-1000**		**Effects to KD1G**			**0 days**	**NA**	**NA**	**49 days**	**Wed 17/8/22**	**Wed 5/10/22**	**NA**	**NA**			**1085.5 days**		**0%**
77	**ET1G-1100**		**Inclement Weather to KD1G (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Wed 17/8/22**	**Wed 5/10/22**	**NA**	**NA**			**1085.5 days**		**0%**
78	ET1G-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Wed 17/8/22	Fri 9/9/22	NA	NA	27	79	1085.5 days		0%
79	ET1G-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Fri 9/9/22	Wed 5/10/22	NA	NA	78		1085.5 days		0%
80	**ET1H-1000**		**Effects to KD1H**			**0 days**	**NA**	**NA**	**49 days**	**Fri 22/10/21**	**Fri 10/12/21**	**NA**	**NA**			**1384.5 days**		**0%**
81	**ET1H-1100**		**Inclement Weather to KD1H (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Fri 22/10/21**	**Fri 10/12/21**	**NA**	**NA**			**1384.5 days**		**0%**
82	ET1H-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Fri 22/10/21	Sun 14/11/21	NA	NA	28	83	1384.5 days		0%
83	ET1H-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Sun 14/11/21	Fri 10/12/21	NA	NA	82		1384.5 days		0%
84	**ET1H-1000**		**Effects to KD1J**			**0 days**	**NA**	**NA**	**49 days**	**Mon 7/2/22**	**Mon 28/3/22**	**NA**	**NA**			**1276.5 days**		**0%**



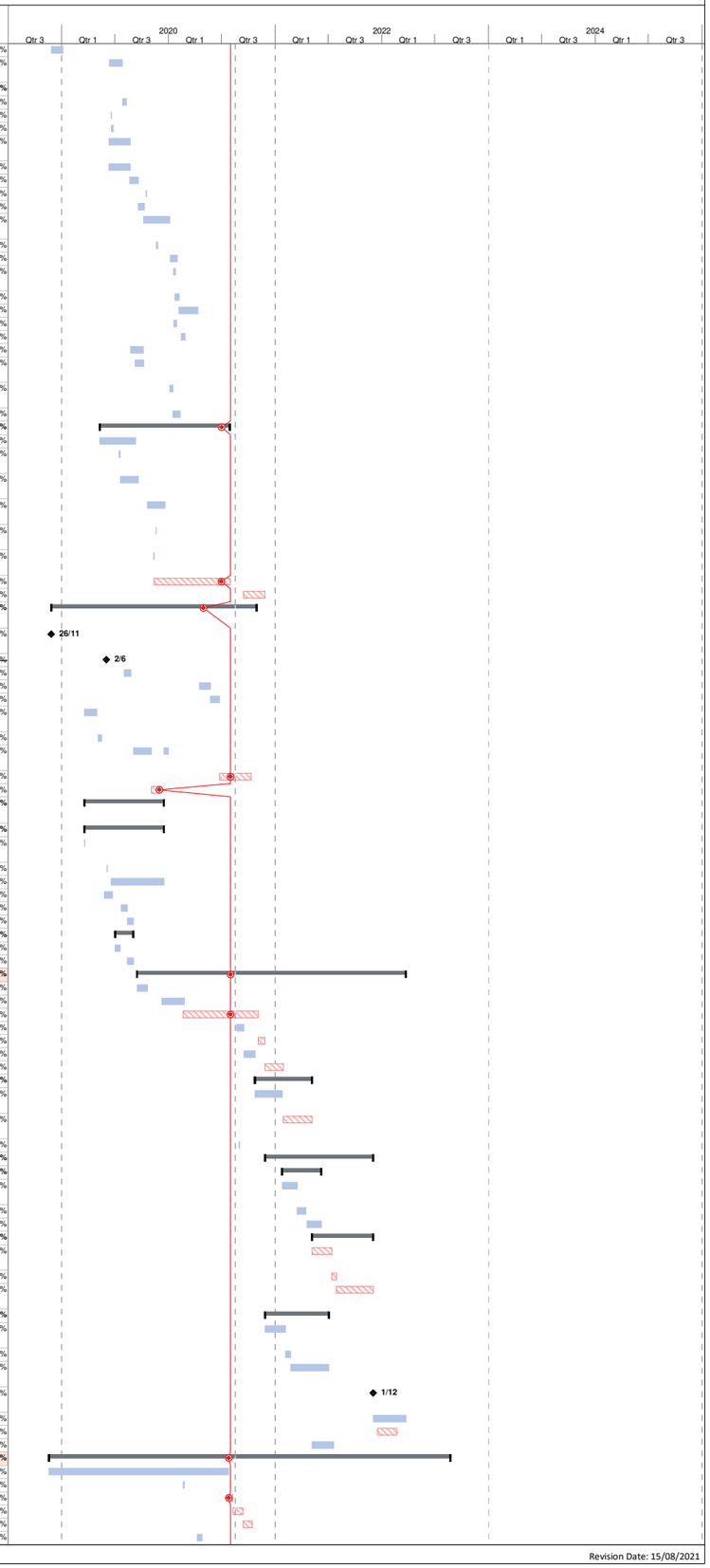
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
85	**ET1H-1100**		**Inclement Weather to KD1J (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Mon 7/2/22**	**Mon 28/3/22**	**NA**	**NA**			**1276.5 days**		**0%**
86	ET1H-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Mon 7/2/22	Wed 2/3/22	NA	NA	30	87	1276.5 days		0%
87	ET1H-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Wed 2/3/22	Mon 28/3/22	NA	NA	86		1276.5 days		0%
88	**ET2A-1000**		**Effects to KD2A**			**0 days**	**NA**	**NA**	**53 days**	**Fri 18/6/21**	**Tue 10/8/21**	**Fri 18/6/21**	**NA**			**1506.5 days**		**24%**
89	**ET2A-1100**		**Inclement Weather to KD2A (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Tue 22/6/21**	**Tue 10/8/21**	**Tue 22/6/21**	**NA**			**1506.5 days**		**17%**
90	ET2A-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Tue 22/6/21	Thu 15/7/21	Tue 22/6/21	NA	93	91	1506.5 days		37%
91	ET2A-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Thu 15/7/21	Tue 10/8/21	NA	NA	90		1506.5 days		0%
92	**ET2A-1200**		**Other Events to KD2A (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Fri 18/6/21**	**Tue 22/6/21**	**Fri 18/6/21**	**Tue 22/6/21**			**0 days**		**100%**
93	ET2A-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Fri 18/6/21	Tue 22/6/21	Fri 18/6/21	Tue 22/6/21	31	90	0 days		100%
94	**ET3A-1000**		**Effects to KD3A**			**0 days**	**NA**	**NA**	**53 days**	**Tue 16/1/24**	**Fri 8/3/24**	**NA**	**NA**			**565 days**		**0%**
95	**ET3A-1100**		**Inclement Weather to KD3A (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Sat 20/1/24**	**Fri 8/3/24**	**NA**	**NA**			**565 days**		**0%**
96	ET3A-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Sat 20/1/24	Sun 11/2/24	NA	NA	99	97	565 days		0%
97	ET3A-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Mon 12/2/24	Fri 8/3/24	NA	NA	96		565 days		0%
98	**ET3A-1200**		**Other Events to KD3A (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Tue 16/1/24**	**Fri 19/1/24**	**NA**	**NA**			**565 days**		**0%**
99	ET3A-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Tue 16/1/24	Fri 19/1/24	NA	NA	33	96	565 days		0%
100	**ETS1-1000**		**Effects to Section 1 of the Works**			**0 days**	**NA**	**NA**	**53 days**	**Fri 9/2/24**	**Tue 2/4/24**	**NA**	**NA**			**540.5 days**		**0%**
101	**ETS1-1100**		**Inclement Weather to Section 1 of the Works (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Tue 13/2/24**	**Tue 2/4/24**	**NA**	**NA**			**540.5 days**		**0%**
102	ETS1-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Tue 13/2/24	Thu 7/3/24	NA	NA	105	103	540.5 days		0%
103	ETS1-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Thu 7/3/24	Tue 2/4/24	NA	NA	102		540.5 days		0%
104	**ETS1-1200**		**Other Events to Section 1 of the Works (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Fri 9/2/24**	**Tue 13/2/24**	**NA**	**NA**			**540.5 days**		**0%**
105	ETS1-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Fri 9/2/24	Tue 13/2/24	NA	NA	35	102	540.5 days		0%
106	**ETS2-1000**		**Effects to Section 2 of the Works**			**0 days**	**NA**	**NA**	**53 days**	**Sat 23/7/22**	**Wed 14/9/22**	**NA**	**NA**			**1106.5 days**		**0%**
107	**ETS2-1100**		**Inclement Weather to Section 2 of the Works (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Wed 27/7/22**	**Wed 14/9/22**	**NA**	**NA**			**1106.5 days**		**0%**
108	ETS2-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Wed 27/7/22	Fri 19/8/22	NA	NA	111	109	1106.5 days		0%
109	ETS2-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Fri 19/8/22	Wed 14/9/22	NA	NA	108		1106.5 days		0%
110	**ETS2-1200**		**Other Events to Section 2 of the Works (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Sat 23/7/22**	**Wed 27/7/22**	**NA**	**NA**			**1106.5 days**		**0%**
111	ETS2-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Sat 23/7/22	Wed 27/7/22	NA	NA	36	108	1106.5 days		0%
112	**ETS3-1000**		**Effects to Section 3 of the Works**			**0 days**	**NA**	**NA**	**53 days**	**Wed 12/6/24**	**Sun 4/8/24**	**NA**	**NA**			**416.5 days**		**0%**
113	**ETS3-1100**		**Inclement Weather to Section 3 of the Works (cal. Day)**			**0 days**	**NA**	**NA**	**49 days**	**Sun 16/6/24**	**Sun 4/8/24**	**NA**	**NA**			**416.5 days**		**0%**
114	ETS3-1110		Delay and Disruption of Works before June 2021			0 days	NA	NA	23 days	Sun 16/6/24	Tue 9/7/24	NA	NA	117	115	416.5 days		0%
115	ETS3-1120		Delay and Disruption of Works in June 2021			0 days	NA	NA	26 days	Tue 9/7/24	Sun 4/8/24	NA	NA	114		416.5 days		0%
116	**ETS3-1200**		**Other Events to Section 3 of the Works (not all)**			**0 days**	**NA**	**NA**	**4 days**	**Wed 12/6/24**	**Sun 16/6/24**	**NA**	**NA**			**416.5 days**		**0%**
117	ETS3-1210		Special working arrangement due to COVID-19 in January 2020			0 days	NA	NA	4 days	Wed 12/6/24	Sun 16/6/24	NA	NA	37	114	416.5 days		0%
118	**SUB-1000**		**Submissions (cal.day)**			**1564 days**	**Mon 18/11/19**	**Wed 28/2/24**	**1956 days**	**Mon 18/11/19**	**Wed 26/3/25**	**Mon 18/11/19**	**NA**			**182 days**		**60%**
119	**SUBS-1000**		**Subletting Package**			**96 days**	**Mon 18/11/19**	**Fri 21/2/20**	**562 days**	**Mon 18/11/19**	**Tue 1/6/21**	**Mon 18/11/19**	**Tue 1/6/21**			**0 days**		**100%**
120	SUBS-1010		Prepare & submit subletting procedure			12 days	Mon 18/11/19	Fri 29/11/19	12 days	Mon 18/11/19	Fri 29/11/19	Mon 18/11/19	Fri 29/11/19	2	121	0 days		100%
121	SUBS-1020		PM review and accept subletting procedure			15 days	Sat 30/11/19	Wed 11/12/19	12 days	Sat 30/11/19	Wed 11/12/19	Sat 30/11/19	Wed 11/12/19	120	142,122,125,124,123	0 days		100%
122	SUBS-1030		Subletting for demolition works			24 days	Thu 12/12/19	Sat 4/1/20	93 days	Tue 17/12/19	Wed 18/3/20	Tue 17/12/19	Wed 18/3/20	121,154	339,462,295,402,539,359	0 days		100%
123	SUBS-1040		Subletting for UU diversion for Inlet Works No.1			24 days	Thu 12/12/19	Sat 4/1/20	78 days	Fri 10/1/20	Fri 27/3/20	Fri 10/1/20	Fri 27/3/20	121	212	0 days		100%
124	SUBS-1050		Subletting for Inspection pit excavation			0 days	NA	NA	56 days	Thu 19/12/19	Wed 12/2/20	Thu 19/12/19	Wed 12/2/20	121,154	214,126	0 days		100%
125	SUBS-1060		Subletting for Preliminary Works (topographic surveying)			14 days	Thu 12/12/19	Wed 25/12/19	54 days	Fri 20/12/19	Tue 11/2/20	Fri 20/12/19	Tue 11/2/20	121,154	159,198,129,130,131,127	0 days		100%
126	SUBS-1070		Subletting for AR3 access road			24 days	Thu 12/12/19	Sat 4/1/20	0 days	Fri 13/12/19	Tue 11/2/20	Fri 13/12/19	Tue 11/2/20	124	127,210	0 days		100%
127	SUBS-1080		Subletting for pre-drilling works			24 days	Thu 12/12/19	Sat 4/1/20	38 days	Thu 6/2/20	Fri 20/3/20	Thu 6/2/20	Fri 20/3/20	125,126	452,342,414,128	0 days		100%
128	SUBS-1090		Subletting for Contractor designer for temporary works and ICE			24 days	Thu 12/12/19	Sat 4/1/20	71 days	Mon 16/12/19	Mon 24/2/20	Mon 16/12/19	Mon 24/2/20	127		0 days		100%
129	SUBS-1100		Subletting for independent BIM consultant			24 days	Thu 12/12/19	4/1/120	0 days	Wed 11/12/19	Thu 23/1/20	Wed 11/12/19	Thu 23/1/20	125	193	0 days		100%
130	SUBS-1110		Subletting for independent BIM services			0 days	NA	NA	15 days	Tue 14/1/20	Wed 26/2/20	Tue 14/1/20	Wed 26/2/20	125	193	0 days		100%
131	SUBS-1120		Subletting for Design, Supply & Install of Temporary Activated Carbon Deodorization Units (E&M Works)			0 days	NA	NA	0 days	Fri 13/12/19	Tue 11/2/20	Fri 13/12/19	Tue 11/2/20	125	132,133	0 days		100%
132	SUBS-1130		Subletting for pre-bored H pile works			36 days	Thu 12/12/19	Thu 16/1/20	45 days	Sun 5/7/20	Tue 18/8/20	Sun 5/7/20	Tue 18/8/20	131	343,415,453,309	0 days		100%
133	SUBS-1140		Subletting for Sheetpile installation works			0 days	NA	NA	45 days	Tue 1/9/20	Thu 15/10/20	Tue 1/9/20	Thu 15/10/20	131	344,455,134,135	0 days		100%
134	SUBS-1150		Subletting for ELS works for Inlet Works No.1			48 days	Sun 5/1/20	Fri 21/2/20	85 days	Fri 16/10/20	Fri 8/1/21	Fri 16/10/20	Fri 8/1/21	133		0 days		100%
135	SUBS-1160		Subletting for ELS works for Membrance Facilities Building and other buildings			48 days	Sun 5/1/20	Fri 21/2/20	85 days	Fri 16/10/20	Fri 8/1/21	Fri 16/10/20	Fri 8/1/21	133	346,389,456,136,137,138,139,140,4	0 days		100%
136	SUBS-1170		Subletting for structural works for Inlet Works Building			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Sat 9/1/21	Thu 25/2/21	Sat 9/1/21	Thu 25/2/21	135		0 days		100%
137	SUBS-1180		Subletting for structural works for Primary Sedimentation Tanks			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Sat 9/1/21	Thu 25/2/21	Sat 9/1/21	Thu 25/2/21	135	348	0 days		100%
138	SUBS-1190		Subletting for structural works for Bioreactors			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Sat 9/1/21	Thu 25/2/21	Sat 9/1/21	Thu 25/2/21	135	391	0 days		100%
139	SUBS-1200		Subletting for structural works for Membrance Facilities Building			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Sat 9/1/21	Thu 25/2/21	Sat 9/1/21	Thu 25/2/21	135	426	0 days		100%
140	SUBS-1210		Subletting for structural works for SAS pumping house and ancillary structures			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Sat 9/1/21	Thu 25/2/21	Sat 9/1/21	Thu 25/2/21	135	141	0 days		100%
141	SUBS-1220		Subletting for ABWF works			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Fri 26/2/21	Wed 14/4/21	Fri 26/2/21	Wed 14/4/21	140	332,350,398,460,488,504,514,522,	0 days		100%
142	SUBS-1230		Subletting for Process Pipeworks, Utilities and Roadworks			48 days	Thu 12/12/19	Tue 28/1/20	150 days	Fri 22/5/20	Sun 18/10/20	Fri 22/5/20	Sun 18/10/20	121	532,549,551,552,553,554,543	0 days		100%
143	SUBS-1240		Subletting for Landscape Hardworks and Softworks			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Thu 15/4/21	Tue 1/6/21	Thu 15/4/21	Tue 1/6/21	141	559,560	0 days		100%
144	SUBS-1250		Subletting for Trial dewatering works and installation of additional stop logs at BR2 connon channel due to malfucntioned of existing penstock at FST no. 5 and 7 (EWN 055)			0 days	NA	NA	15 days	Tue 15/9/20	Tue 29/9/20	Tue 15/9/20	Tue 29/9/20		355	0 days		100%
145	SUBS-1260		Subletting for Diversion of Power supply for existing Slaghter House pump station (CE 034)			0 days	NA	NA	14 days	Mon 21/9/20	Sun 4/10/20	Mon 21/9/20	Sun 4/10/20			0 days		100%
146	SUBS-1270		Subletting for Decommission of exisiting power and signal systems in leachate Pump station switch room (PMI 039)			0 days	NA	NA	14 days	Mon 21/9/20	Sun 4/10/20	Mon 21/9/20	Sun 4/10/20		439	0 days		100%
147	SUBS-1280		Subletting for Diversion of Existing DN250 Leachate Raising Main (PPMI 025)			0 days	NA	NA	31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20			0 days		100%
148	SUBS-1290		Subletting for Construction of Cable trough for CLP 11kv Cable Diversion (PPMI 041)			0 days	NA	NA	31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20		453	0 days		100%
149	SUBS-1300		Subletting for Demolition of Existing Pillar box and its concrete plinth (CE 030)			0 days	NA	NA	31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20		441	0 days		100%
150	SUBS-1310		Subletting for Excavation to locate existing underground cable near SAS Pump Station (PPMI 038)			0 days	NA	NA	31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20			0 days		100%
151	SUBS-1320		Subletting for Diversion of pumping system sewerage (PPMI 083)			0 days	NA	NA	31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20		446	0 days		100%
152	**SUBA-1000**		**Statutory Submission, Submission and Approval**			**1564 days**	**Mon 18/11/19**	**Wed 28/2/24**	**1956 days**	**Mon 18/11/19**	**Wed 26/3/25**	**Mon 18/11/19**	**NA**			**182 days**		**49%**
153	SUBA-1010		Liaison with operator of SWHSTW and obtain their consent of associated method statement of major activities			0 days	NA	NA	1584 days	Mon 18/11/19	Wed 26/3/25	Mon 18/11/19	NA	2	59FF	156 days		30%
154	SUBA-1020		Prepare and submit Subcontractor Management Plan (SMP)			24 days	Mon 18/11/19	Wed 11/12/19	24 days	Mon 18/11/19	Wed 11/12/19	Mon 18/11/19	Wed 11/12/19	2	122,125,124	0 days		100%
155	SUBA-1030		Prepare and submit Interface Management Plan			36 days	Mon 18/11/19	Mon 23/12/19	36 days	Mon 18/11/19	Mon 23/12/19	Mon 18/11/19	Mon 23/12/19	2		0 days		100%
156	SUBA-1040		Prepare and submit the TTA plans inside Treatment Plant for UU diversion and buildings construction			24 days	Mon 18/11/19	Wed 11/12/19	24 days	Mon 18/11/19	Wed 11/12/19	Mon 18/11/19	Wed 11/12/19	2	201	0 days		100%
157	SUBA-1050		Prepare and submit method statement for UU diversion for Inlet Works No.1			12 days	Mon 18/11/19	Fri 29/11/19	12 days	Mon 18/11/19	Fri 29/11/19	Mon 18/11/19	Fri 29/11/19	2	158	0 days		100%
158	SUBA-1060		PM review and accept the method statement			12 days	Sat 30/11/19	Wed 11/12/19	0 days	Sat 30/11/19	Wed 11/12/19	Sat 30/11/19	Wed 11/12/19	157	213,214	0 days		100%
159	SUBA-1070		Prepare and submit combine underground services drawing for PM's review the alignment			24 days	Thu 26/12/19	Sat 18/1/20	23 days	Thu 26/12/19	Sat 18/1/20	Thu 26/12/19	Sat 18/1/20	125		0 days		100%
160	SUBA-1080		Prepare and submit method statement for demolition existing structures			24 days	Mon 18/11/19	Wed 11/12/19	66 days	Mon 18/11/19	Wed 22/1/20	Mon 18/11/19	Wed 22/1/20	2	402,339,462,295,539	0 days		100%
161	SUBA-1090		Prepare and submit method statement for structural works for buildings			24 days	Mon 18/11/19	Wed 11/12/19	197 days	Mon 18/11/19	Mon 1/6/20	Mon 18/11/19	Mon 1/6/20	2		0 days		100%
162	SUBA-1100		Prepare and submit method statements to MTRC regarding the works within railing protection boundary			36 days	Mon 18/11/19	Mon 23/12/19	92 days	Sat 1/2/20	Mon 25/5/20	Sat 1/2/20	Mon 25/5/20	2	339,462,539,359	0 days		100%
163	SUBA-1110		Prepare and submit & approve Safety Management Plan			24 days	Mon 18/11/19	Wed 11/12/19	3 days	Mon 18/11/19	Wed 20/11/19	Mon 18/11/19	Wed 20/11/19	2		0 days		100%
164	SUBA-1120		Prepare and submit Excavation and lateral support (ELS) proposal			24 days	Mon 10/2/20	Wed 4/3/20	128 days	Mon 10/2/20	Tue 16/6/20	Mon 10/2/20	Tue 16/6/20	2		0 days		100%
165	SUBA-1120a		Prepare and submit Excavation and lateral support (ELS) proposal for Inlet Works No.1			0 days	NA	NA	24 days	Wed 29/9/21	Sat 23/10/21	NA	NA	314SF		1433 days		0%
166	SUBA-1120b		Prepare and submit Excavation and lateral support (ELS) proposal for Primnary Sedimentation tanks No.1-4			0 days	NA	NA	24 days	Fri 1/7/22	Mon 25/7/22	NA	NA	346SF		1158 days		0%
167	SUBA-1120c		Prepare and submit Excavation and lateral support (ELS) proposal for Bioreactor No. 2A&2B			0 days	NA	NA	24 days	Sun 15/5/22	Wed 8/6/22	NA	NA	389SF		1205 days		0%
168	SUBA-1130		Prepare and submit Dewatering proposal for basement construction			24 days	Mon 10/2/20	Wed 4/3/20	165 days	Mon 10/2/20	Thu 23/7/20	Mon 10/2/20	Thu 23/7/20	2		0 days		100%
169	SUBA-1130a		Prepare and submit Dewatering proposal for basement construction for Inlet Works No.1			0 days	NA	NA	24 days	Wed 29/9/21	Sat 23/10/21	NA	NA	314SF		1433 days		0%



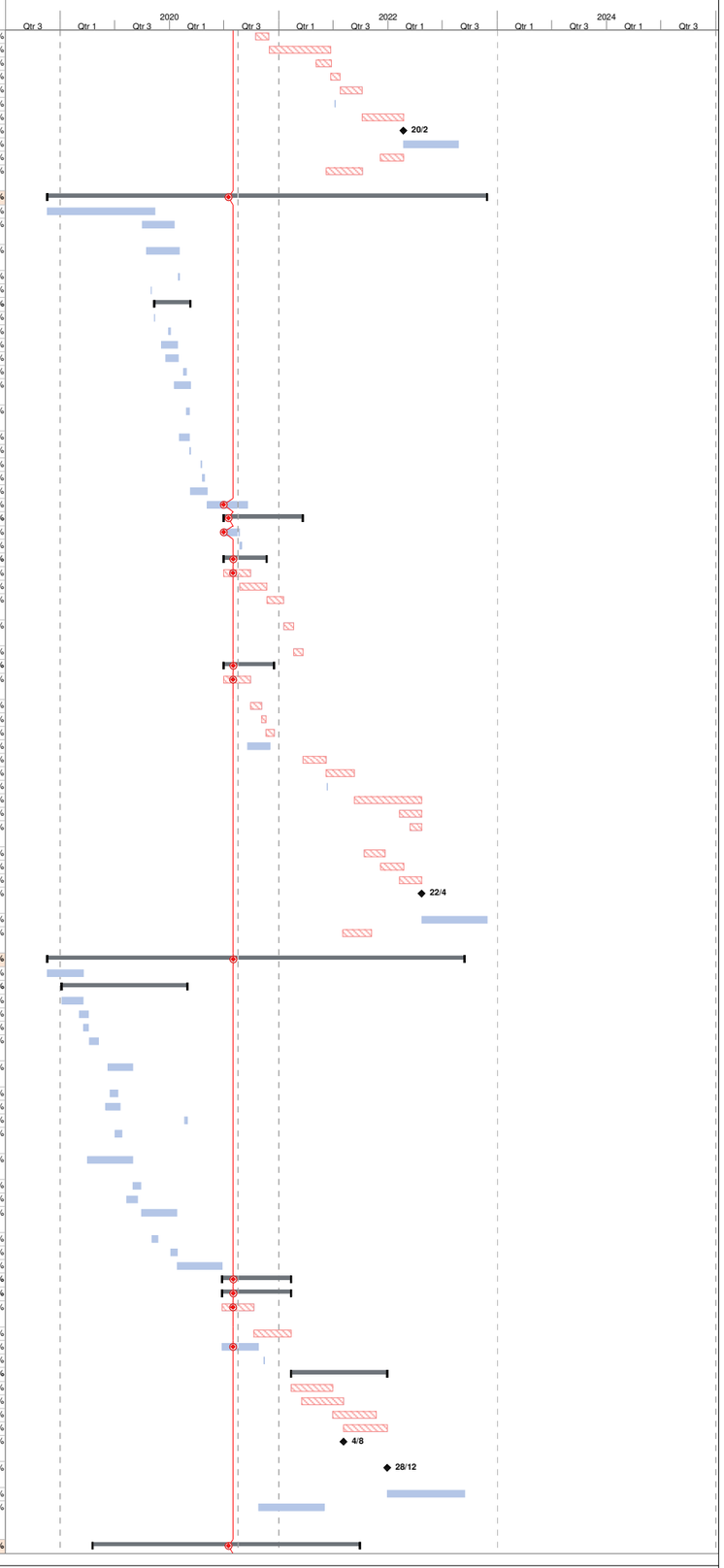
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
170	SUBA-1130b		Prepare and submit Dewatering proposal for basement construction for Primnary Sedimentation tanks No.1-4			0 days	NA	NA	24 days	Fri 1/7/22	Mon 25/7/22	NA	NA	346SF		1158 days		0%
171	SUBA-1130c		Prepare and submit Dewatering proposal for basement construction for Bioreactor No. 2A&2B			0 days	NA	NA	24 days	Sun 15/5/22	Wed 8/6/22	NA	NA	389SF		1205 days		0%
172	SUBA-1140		Prepare and submit Pre-construction condition survey of existing structures/ services			24 days	Wed 5/2/20	Fri 28/2/20	0 days	Mon 18/11/19	Fri 6/3/20	Mon 18/11/19	Fri 6/3/20	198		0 days		100%
173	SUBA-1150		Prepare and submit Settlement and movement monitoring proposal of existing structures/ services			24 days	Wed 5/2/20	Fri 28/2/20	110 days	Mon 18/11/19	Fri 6/3/20	Mon 18/11/19	Fri 6/3/20	198FS+120 days		0 days		100%
174	SUBA-1160		Prepare and submit design of structure elements of the temporary activated carbon deodourization unit			60 days	Fri 17/1/20	Mon 16/3/20	60 days	Mon 18/11/19	Mon 16/3/20	Mon 18/11/19	Mon 16/3/20	2FS+60 days		0 days		100%
175	SUBA-1170		Prepare of RSE and structural design for alternation and additional (A&A) works at Membrane Facilities Building No.1			180 days	Mon 18/10/21	Fri 15/4/22	180 days	Mon 18/10/21	Fri 15/4/22	NA	NA		541	332 days		0%
176	SUBA-1180		Prepare of RSE and structural design for alternation and additional (A&A) works at Main Power House			44 days	Wed 15/7/20	Thu 3/9/20	60 days	Mon 6/7/20	Thu 3/9/20	Mon 6/7/20	Thu 3/9/20		539	0 days		100%
177	**SUBE-1000**		**Environmental Aspect Submissions**			**45 days**	**Mon 18/11/19**	**Wed 1/1/20**	**81 days**	**Mon 18/11/19**	**Thu 6/2/20**	**Mon 18/11/19**	**Thu 6/2/20**			**0 days**		**100%**
178	SUBE-1010		Prepare, submit & approve Site Management Plan for Trip Tricket System			45 days	Mon 18/11/19	Wed 1/1/20	66 days	Mon 18/11/19	Wed 22/1/20	Mon 18/11/19	Wed 22/1/20	2		0 days		100%
179	SUBE-1020		Prepare, submit & approve Waste Management Plan			45 days	Mon 18/11/19	Wed 1/1/20	81 days	Mon 18/11/19	Thu 6/2/20	Mon 18/11/19	Thu 6/2/20	2		0 days		100%
180	SUBE-1030		Prepare, submit & approve Environmental Management Plan			45 days	Mon 18/11/19	Wed 1/1/20	66 days	Mon 18/11/19	Wed 22/1/20	Mon 18/11/19	Wed 22/1/20	2		0 days		100%
181	**SUBP-1000**		**Procurement**			**731 days**	**Mon 18/11/19**	**Wed 17/11/21**	**648 days**	**Mon 18/11/19**	**Thu 26/8/21**	**Mon 18/11/19**	**NA**			**278 days**		**94%**
182	SUBP-1010		Prepare and submit the Procurement Procedure			12 days	Mon 18/11/19	Fri 29/11/19	2 days	Mon 18/11/19	Tue 19/11/19	Mon 18/11/19	Tue 19/11/19	2	183	0 days		100%
183	SUBP-1020		PM Review & Accept Procurement Procedure			12 days	Sat 30/11/19	Wed 11/12/19	21 days	Tue 19/11/19	Tue 10/12/19	Tue 19/11/19	Tue 10/12/19	182	184,185,186,187,188,189,190,191	0 days		100%
184	SUBP-1030		Prepare, submit and approve the pipe works material			25 days	Thu 12/12/19	Sun 5/1/20	34 days	Thu 6/2/20	Tue 10/3/20	Thu 6/2/20	Tue 10/3/20	183	212,532,551,552,554,553,549,557,5	0 days		100%
185	SUBP-1040		Prepare, submit and approve the water proofing material			25 days	Thu 12/12/19	Sun 5/1/20	25 days	Mon 2/8/21	Thu 26/8/21	NA	NA	183	329,325	278 days		0%
186	SUBP-1050		Prepare, submit and approve the concrete mix material			48 days	Thu 12/12/19	Tue 28/1/20	90 days	Mon 3/2/20	Sat 2/5/20	Mon 3/2/20	Sat 2/5/20	183	391,426	0 days		100%
187	SUBP-1060		Prepare, submit and approve the rebar material			48 days	Thu 12/12/19	Tue 28/1/20	49 days	Sat 23/5/20	Fri 10/7/20	Sat 23/5/20	Fri 10/7/20	183	391,426	0 days		100%
188	SUBP-1070		Prepare, submit and approve the metal works material			48 days	Thu 12/12/19	Tue 28/1/20	48 days	Tue 1/9/20	Sun 18/10/20	Tue 1/9/20	Sun 18/10/20	183	391,426	0 days		100%
189	SUBP-1080		Prepare, submit and approve the ABWF works material			48 days	Sat 12/12/20	Tue 28/1/20	48 days	Mon 1/3/21	Sat 17/4/21	Mon 1/3/21	Sat 17/4/21	183	332,350,398,460,488,504,514,522,4	0 days		100%
190	SUBP-1090		Prepare, submit and approve the protective lining to concrete			0 days	NA	NA	48 days	Tue 1/9/20	Sun 18/10/20	Tue 1/9/20	Sun 18/10/20	183	391,426	0 days		100%
191	SUBP-1100		Prepare, submit and approve the multi-part covers			0 days	NA	NA	21 days	Tue 5/5/20	Mon 25/5/20	Tue 5/5/20	Mon 25/5/20	183		0 days		100%
192	**SUBB-1000**		**BIM**			**1205 days**	**Thu 6/2/20**	**Wed 28/2/24**	**1562 days**	**Mon 18/11/19**	**Fri 28/2/25**	**Mon 18/11/19**	**NA**			**178 days**		**27%**
193	SUBB-1010		Prepare, submit and approve the proposal of details of Common data environment (CDE)			48 days	Thu 6/2/20	Wed 1/4/20	37 days	Mon 18/11/19	Wed 1/4/20	Mon 18/11/19	Wed 1/4/20	129,130	194	0 days		100%
194			Prepare and submit BIM submission			1484 days	Thu 6/2/20	Wed 28/2/24	1451 days	Thu 2/4/20	Fri 28/2/25	Thu 2/4/20	NA	193		178 days		25%
195	**C-1000**	*	**Construction Works (Working day)**			**1957 days**	**Mon 18/11/19**	**Thu 27/3/25**	**2138 days**	**Mon 18/11/19**	**Wed 24/9/25**	**Mon 18/11/19**	**NA**			**0 days**		**51%**
196	**CPW-1000**		**Preliminary Works**			**109 days**	**Mon 18/11/19**	**Thu 5/3/20**	**121 days**	**Mon 18/11/19**	**Tue 17/3/20**	**Mon 18/11/19**	**Tue 17/3/20**			**0 days**		**100%**
197	CPW-1000		Initial Survey			24 days	Mon 18/11/19	Sat 14/12/19	10 days	Mon 18/11/19	Thu 28/11/19	Mon 18/11/19	Thu 28/11/19	2	198	0 days		100%
198	CPW-2000		Condition Survey			30 days	Fri 27/12/19	Tue 4/2/20	89 days	Mon 18/11/19	Fri 6/3/20	Mon 18/11/19	Fri 6/3/20	125,197	199,172,173FS+120 days,200	0 days		100%
199	CPW-3000		Installation of Monitoring Markers			26 days	Wed 5/2/20	Thu 5/3/20	78 days	Fri 29/11/19	Thu 5/3/20	Fri 29/11/19	Thu 5/3/20	198		0 days		100%
200	CPW-4000		Tree Felling Works		22, 235	0 days	NA	NA	9 days	Sat 7/3/20	Tue 17/3/20	Sat 7/3/20	Tue 17/3/20	198		0 days		100%
201	**CAR-0000**	*	**Access Road (AR3), B-1**			**193 days**	**Mon 20/1/20**	**Sat 12/9/20**	**238 days**	**Thu 12/12/19**	**Wed 30/9/20**	**Thu 12/12/19**	**Wed 30/9/20**	**4,156**		**0 days**		**100%**
202	CAR-1000		Site setup and clearance wroks		05	28 days	Mon 20/1/20	Mon 24/2/20	38 days	Mon 20/1/20	Fri 6/3/20	Mon 20/1/20	Fri 6/3/20		203	0 days		100%
203	CAR-1001		Awaiting for AECOM instruction for alignment confirmation for road works		055	0 days	NA	NA	5 days	Mon 17/2/20	Thu 12/3/20	Mon 17/2/20	Thu 12/3/20	202	204	0 days		100%
204	CAR-1002		Additional Works in Access Road AR3 to Settle Left-in Material by Contract DC/2016/07		215-1	0 days	NA	NA	4 days	Thu 21/5/20	Mon 25/5/20	Thu 21/5/20	Mon 25/5/20	203	205	0 days		100%
205	CAR-2000		Drainage and Utilities Works			76 days	Fri 6/3/20	Tue 9/6/20	75 days	Sat 7/3/20	Tue 9/6/20	Sat 7/3/20	Tue 9/6/20	204	206	0 days		100%
206	CAR-2000a		Trimming of Existing Sheet Piles in Access Road AR3		215-2	0 days	NA	NA	20 days	Tue 14/7/20	Wed 5/8/20	Tue 14/7/20	Wed 5/8/20	205	207	0 days		100%
207	CAR-2000b		Installation of Multi-part Cover and Manhole Cover of Chamber RP6 and Associated Concreting Works in Portion B-1		215	0 days	NA	NA	7 days	Fri 28/8/20	Fri 4/9/20	Fri 28/8/20	Fri 4/9/20	206	208	0 days		100%
208	CAR-2001		Diversion of Existing Underground Cables in Portion B-1A		036	0 days	NA	NA	172 days	Thu 5/3/20	Wed 30/9/20	Thu 5/3/20	Wed 30/9/20	207	210	0 days		100%
209	CAR-2002		Additional U-channel, beam barrier and footway concrete pavement		055	0 days	NA	NA	60 days	Thu 12/12/19	Wed 26/2/20	Thu 12/12/19	Wed 26/2/20		210	0 days		100%
210	CAR-3000	KD1A	Roadworks			80 days	Wed 10/6/20	Sat 12/9/20	133 days	Fri 24/4/20	Wed 30/9/20	Fri 24/4/20	Wed 30/9/20	126,209,208	42FF	0 days		100%
211	**CIW-0000**	*	**Inlet Works No.1, B-2**			**854 days**	**Mon 6/1/20**	**Mon 21/11/22**	**594 days**	**Tue 26/11/19**	**Thu 25/11/21**	**Tue 26/11/19**	**NA**			**0 days**		**88%**
212	**CIW-1000**		**Diversion Works (1. Inlet Trunk Sewer, Leachate Rising Mains, Sludge Pipes, Tank Drains and Pipelines near Primary Sludge Thinkeners)**			**180 days**	**Mon 6/1/20**	**Fri 14/8/20**	**459 days**	**Tue 26/11/19**	**Wed 16/6/21**	**Tue 26/11/19**	**NA**	**184,123**	**44FF**	**111 days**		**88%**
213	CIW-1100		Utilities scanning to idenify existing UU arrangement			12 days	Mon 6/1/20	Sat 18/1/20	0 days	Fri 13/12/19	Sat 18/1/20	Fri 13/12/19	Sat 18/1/20	158	214SS,216	0 days		100%
214	CIW-1200		Trial pits to locate the collection points			24 days	Mon 6/1/20	Wed 5/2/20	0 days	Mon 6/1/20	Tue 10/3/20	Mon 6/1/20	Tue 10/3/20	158,213SS,124	232,251	0 days		100%
215	**CIW-1300**		**Installation and Commissioning of Temporary Activated Carbon Deodorization Unit for the Existing Inlet Works**			**0 days**	**NA**	**NA**	**98 days**	**Wed 11/3/20**	**Sat 11/7/20**	**Wed 11/3/20**	**Sat 11/7/20**			**0 days**		**100%**
216	CIW-1310		Construction of concrete plinth			0 days	NA	NA	24 days	Wed 11/3/20	Wed 8/4/20	Wed 11/3/20	Wed 8/4/20	213	217	0 days		100%
217	CIW-1320		Installation of Deodorizer			0 days	NA	NA	40 days	Thu 9/4/20	Sat 30/5/20	Thu 9/4/20	Sat 30/5/20	216	218	0 days		100%
218	CIW-1330		Testing & commissioning			0 days	NA	NA	15 days	Mon 1/6/20	Wed 17/6/20	Mon 1/6/20	Wed 17/6/20	217	219FS-1 day	0 days		100%
219	CIW-1340		Demolishment of the existing carbon deodorization unit			0 days	NA	NA	20 days	Wed 17/6/20	Sat 11/7/20	Wed 17/6/20	Sat 11/7/20	218FS-1 day		0 days		100%
220	**CIW-1400**		**Diversion of Inlet Trunk Sewer (approx. 40m 1800mm dia concrete pipe, 4 deep manholes and Inlet Reception Chamber)**			**146 days**	**Thu 6/2/20**	**Mon 3/8/20**	**451 days**	**Mon 9/3/20**	**Mon 13/9/21**	**Mon 9/3/20**	**NA**			**0 days**		**97%**
221	CIW-1405		Joint Initial Survey arrangement with MTRCL			0 days	NA	NA	24 days	Thu 19/11/20	Wed 16/12/20	Thu 19/11/20	Wed 16/12/20		222	0 days		100%
222	CIW-1410		Remedial Works for uncharted sludge Pipe leakage		41	0 days	NA	NA	8 days	Mon 9/3/20	Tue 17/3/20	Mon 9/3/20	Tue 17/3/20	221	223	0 days		100%
223	CIW-1420		Diversion of uncharted DN250 sludge pipe		41	0 days	NA	NA	27 days	Tue 31/3/20	Thu 7/5/20	Tue 31/3/20	Thu 7/5/20	222	230,224,225	0 days		100%
224	CIW-1421		Diversion of uncharted 2' water pipe		24	0 days	NA	NA	9 days	Wed 15/4/20	Fri 24/4/20	Wed 15/4/20	Fri 24/4/20	223	230	0 days		100%
225	CIW-1422		Additional Underground Utility Scanning for existing sludge pipe		32	0 days	NA	NA	1 day	Sat 18/4/20	Sat 18/4/20	Sat 18/4/20	Sat 18/4/20	223		0 days		100%
226	CIW-1423		HV Cable Diversion for Inlet Works		84	0 days	NA	NA	135 days	Sat 10/10/20	Wed 24/3/21	Sat 10/10/20	Wed 24/3/21			0 days		100%
227	CIW-1423a		Exposing, Removal and Diversion of Existing Cables near Inlet Works No. 1		236	0 days	NA	NA	268 days	Mon 4/5/20	Wed 24/3/21	Mon 4/5/20	Wed 24/3/21			0 days		100%
228	CIW-1424		Diversion of Existing Sludge Rising Main and Sewerage System		81	0 days	NA	NA	102 days	Mon 28/9/20	Sat 30/1/21	Mon 28/9/20	Sat 30/1/21		307,309,279,280	0 days		100%
229	CIW-1425		Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit		037	0 days	NA	NA	1 day	Fri 28/8/20	Fri 28/8/20	Fri 28/8/20	Fri 28/8/20			0 days		100%
230	CIW-1430		Removal of concrete surround and uncharted sludge pipe		030	0 days	NA	NA	20 days	Fri 24/4/20	Tue 19/5/20	Fri 24/4/20	Tue 19/5/20	223,224	231	0 days		100%
231	CIW-1440		Remedial works for uncharted pipe and unforeseen water seepage		273	0 days	NA	NA	10 days	Fri 8/5/20	Tue 19/5/20	Fri 8/5/20	Tue 19/5/20	230	232,233	0 days		100%
232	**CIW-1450**		**Trench Excavation for 1800mm dia pipeline and manholes**			**146 days**	**Thu 6/2/20**	**Mon 3/8/20**	**238 days**	**Wed 11/3/20**	**Mon 28/12/20**	**Wed 11/3/20**	**Mon 28/12/20**	**214,231**		**0 days**		**100%**
233	CIW-1450a		Sheetpile installation (on hold due to identification of uncharted obstruction)		28	0 days	NA	NA	80 days	Wed 11/3/20	Thu 18/6/20	Wed 11/3/20	Thu 18/6/20	231	234	0 days		100%
234	CIW-1450b		Trench Excavation for 1800mm dia pipeline and manholes			45 days	Thu 6/2/20	Sat 28/3/20	22 days	Thu 18/6/20	Wed 15/7/20	Thu 18/6/20	Wed 15/7/20	233	235,247	0 days		100%
235	CIW-1450c		Identification of uncharted concrete surround and pipes near MHA01		28	0 days	NA	NA	29 days	Thu 16/7/20	Tue 18/8/20	Thu 16/7/20	Tue 18/8/20	234	238,243,247	0 days		100%
236	CIW-1450d		Removal of existing DSD drawpits near IRC & exposure of CLP cables with installation of additional temporary support		215-2	0 days	NA	NA	26 days	Thu 16/7/20	Fri 14/8/20	Thu 16/7/20	Fri 14/8/20			0 days		100%
237	CIW-1450e		Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation		(045)	0 days	NA	NA	10 days	Fri 7/8/20	Tue 18/8/20	Fri 7/8/20	Tue 18/8/20		238,243	0 days		100%
238	CIW-1450f		Revised type of pipe bedding between Manholes no. MHA01 and MHA02		096	0 days	NA	NA	6 days	Sat 3/10/20	Fri 9/10/20	Sat 3/10/20	Fri 9/10/20	237,235	239	0 days		100%
239	CIW-1450g		Replace top soil with Grade 200 Rockfill below Formation level of the proposed pipe between MHA01 and MHA02		079	0 days	NA	NA	3 days	Mon 10/8/20	Wed 12/8/20	Mon 10/8/20	Wed 12/8/20	238	241	0 days		100%
240	CIW-1450h		Grade 200 Rockfill in ELS cofferdam of IRC		(161)	0 days	NA	NA	3 days	Wed 23/12/20	Mon 28/12/20	Wed 23/12/20	Mon 28/12/20		241	0 days		100%
241	CIW-1451		Construct M/H MHA01, MHA02, MHA04 and Inlet Reception Chamber			65 days	Mon 30/3/20	Fri 19/6/20	395 days	Wed 20/5/20	Mon 13/9/21	Wed 20/5/20	NA	239,243,242,244,240	283	-135 days		91%
242	CIW-1452		Enlarged size of Manhole MHA02		052	0 days	NA	NA	6 days	Tue 1/9/20	Mon 7/9/20	Tue 1/9/20	Mon 7/9/20		241	0 days		100%
243	CIW-1453		Additional Works for Manhole MHA01 Construction and Pipe Connection to Manhole MHA01		(094) (146)	0 days	NA	NA	160 days	Wed 16/9/20	Wed 31/3/21	Wed 16/9/20	Wed 31/3/21	235,237	241	0 days		100%
244	CIW-1454		Additional Works for IRC and Pipe Connection to IRC from Existing Manhole FMH1004115		(096)	0 days	NA	NA	17 days	Fri 18/9/20	Fri 9/10/20	Fri 18/9/20	Fri 9/10/20		245,247,241	0 days		100%
245	CIW-1455		Removal of left-in sheetpiles at IRC		381	0 days	NA	NA	3 days	Mon 19/10/20	Wed 21/10/20	Mon 19/10/20	Wed 21/10/20	244		0 days		100%
246	CIW-1456		Compliance Test for DN1800 Precast Concrete Pipe		065	0 days	NA	NA	1 day	Fri 18/9/20	Fri 18/9/20	Fri 18/9/20	Fri 18/9/20			0 days		100%
247	CIW-1457		Lay 1800mm dia concretre pipe			24 days	Sat 20/6/20	Mon 20/7/20	88 days	Thu 17/9/20	Mon 25/1/21	Thu 17/9/20	Mon 25/1/21	234,235,244	248	0 days		100%
248	CIW-1458		Connection to existing Inlet Chamber			12 days	Tue 21/7/20	Mon 3/8/20	12 days	Tue 26/1/21	Mon 8/2/21	Tue 26/1/21	Mon 8/2/21	247	307,44FF	0 days		100%
249	**CIW-1500**		**Diversion of Leachate Rising Main, Sludge Pipes and Tank Drain**			**150 days**	**Thu 6/2/20**	**Fri 7/8/20**	**594 days**	**Tue 26/11/19**	**Thu 25/11/21**	**Tue 26/11/19**	**NA**			**-99 days**		**94%**
250	**CIW-1510**	**KD1B**	**Diversion of Tank Drain MHD9.5 (approx. 70m CHES1 & CHES2)**			**150 days**	**Thu 6/2/20**	**Fri 7/8/20**	**406 days**	**Tue 26/11/19**	**Mon 12/4/21**	**Tue 26/11/19**	**Sat 10/4/21**	**278**	**307,44FF**	**0 days**		**100%**
251	**CIW-1500a**		**Diversion of Tank Drain MHD9.5 to MHA04 (approx. 70m 675mm dia conrete pipe, 24m DN250 DI leachate rising main, 90m CHES1&S2 DN250 CI)**			150 days	Thu 6/2/20	Fri 7/8/20	**406 days**	**Tue 26/11/19**	**Mon 12/4/21**	**Tue 26/11/19**	**Sat 10/4/21**	**214**		**0 days**		**100%**



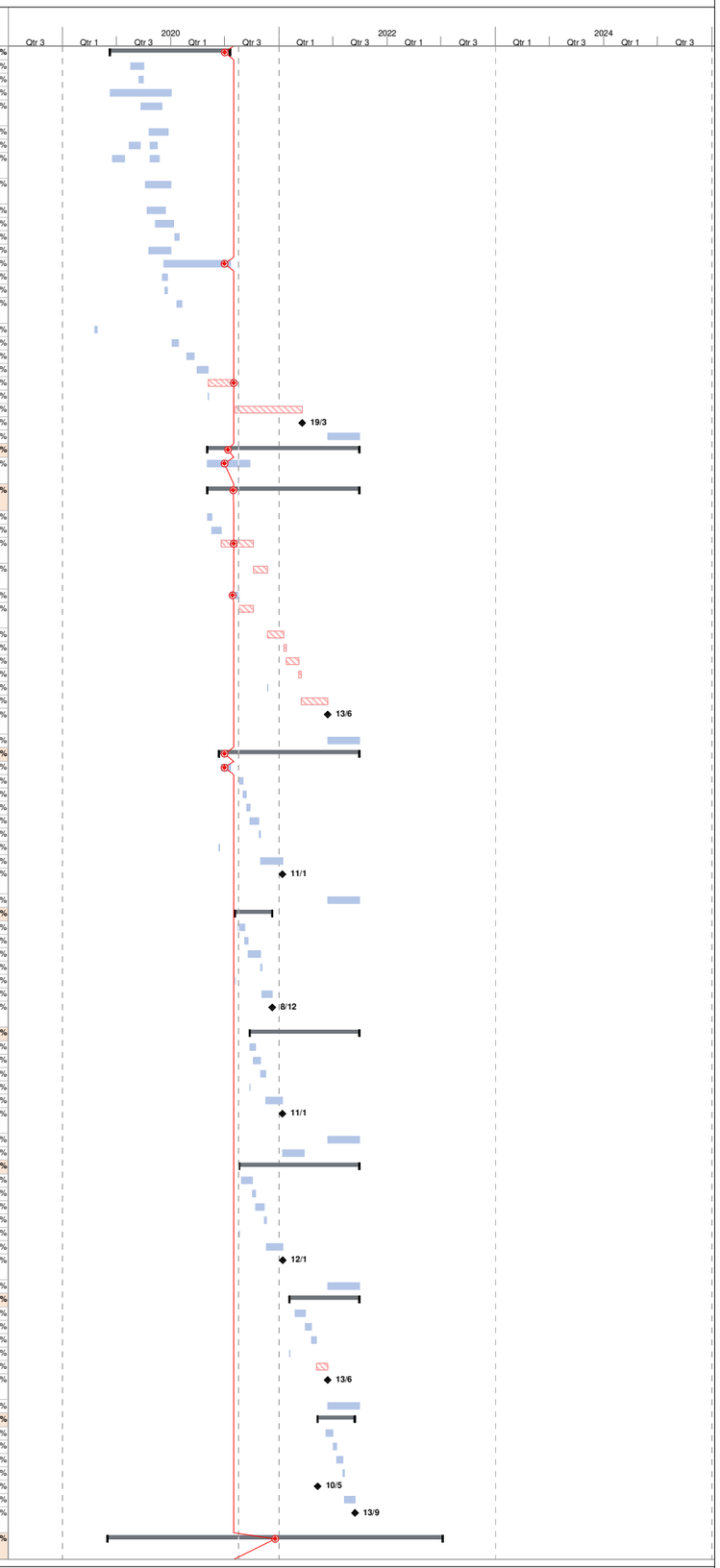
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
252	CIW-1500b		Joint Initial Survey arrangement with MTRCL			0 days	NA	NA	158 days	Tue 26/11/19	Wed 10/6/20	Tue 26/11/19	Wed 10/6/20			0 days		100%
253	CIW-1500c		Site Clearance & inspection pit excavation under conforming alignments			0 days	NA	NA	36 days	Fri 12/6/20	Sat 25/7/20	Fri 12/6/20	Sat 25/7/20			0 days		100%
254	**CIW-1511**		**Tank Drain Diversion near MTRCL track**			**0 days**	**NA**	**NA**	**248 days**	**Thu 11/6/20**	**Mon 12/4/21**	**Thu 11/6/20**	**Sat 10/4/21**			**0 days**		**100%**
255	CIW-1511a		Excavation of trial pit near MHD9.5 (TP45 & 47)		040	0 days	NA	NA	12 days	Mon 27/7/20	Sat 8/8/20	Mon 27/7/20	Sat 8/8/20		256,260	0 days		100%
256	CIW-1511b		Uncharted cables found near MTRC track and identification			0 days	NA	NA	1 day	Thu 18/6/20	Thu 18/6/20	Thu 18/6/20	Thu 18/6/20	255		0 days		100%
257	CIW-1511c		Excavation of trial pit near MHD8.5			0 days	NA	NA	5 days	Fri 19/6/20	Wed 24/6/20	Fri 19/6/20	Wed 24/6/20		258	0 days		100%
258	CIW-1511d		Lower the ground surface, opening and additional trial pit (TP38)		(046)	0 days	NA	NA	60 days	Thu 11/6/20	Fri 21/8/20	Thu 11/6/20	Fri 21/8/20	257	259	0 days		100%
259	CIW-1511e		Excavation of Trial Pits near Manhole MHA04 and MH09		040	0 days	NA	NA	60 days	Thu 11/6/20	Fri 21/8/20	Thu 11/6/20	Fri 21/8/20	258		0 days		100%
260	CIW-1511f		Additional Trial Pit between MHD9.5 and MHA04		040	0 days	NA	NA	25 days	Fri 21/8/20	Fri 18/9/20	Fri 21/8/20	Fri 18/9/20	255		0 days		100%
261	CIW-1511g		Sheetpile installation for MHD9.5			0 days	NA	NA	38 days	Tue 1/9/20	Fri 16/10/20	Tue 1/9/20	Fri 16/10/20			0 days		100%
262	CIW-1511h		Sheetpile installation between MHD9.5 & MHA04			0 days	NA	NA	25 days	Tue 8/9/20	Thu 8/10/20	Tue 8/9/20	Thu 8/10/20			0 days		100%
263	CIW-1511i		UU supporting & ELS works& excavatuib between MHD9.5 & MHA04			0 days	NA	NA	73 days	Wed 7/10/20	Mon 4/1/21	Wed 7/10/20	Mon 4/1/21			0 days		100%
264	CIW-1511j		Unsuit excavated material from MHD9.5 to MHA04		261	0 days	NA	NA	4 days	Fri 20/11/20	Tue 24/11/20	Fri 20/11/20	Tue 24/11/20			0 days		100%
265	CIW-1511k		Revise design of manhole MHD9.5		(167)	0 days	NA	NA	20 days	Thu 7/1/21	Fri 29/1/21	Thu 7/1/21	Fri 29/1/21			0 days		100%
266	CIW-1511l		Break up opening and plugging existing concrete pipe at MHD9.5			0 days	NA	NA	6 days	Mon 18/1/21	Sat 23/1/21	Mon 18/1/21	Sat 23/1/21			0 days		100%
267	CIW-1511l1		Trimming existing concrete pipe at MHD9.5			0 days	NA	NA	13 days	Fri 22/1/21	Fri 5/2/21	Fri 22/1/21	Fri 5/2/21			0 days		100%
268	CIW-1511l2		Construction of manhole MHD9.5			0 days	NA	NA	49 days	Sat 6/2/21	Sat 10/4/21	Sat 6/2/21	Sat 10/4/21			0 days		100%
269	CIW-1511m		Additional work to prevent backflow from MHI1 to MHD9.5		(176)	0 days	NA	NA	9 days	Mon 18/1/21	Wed 27/1/21	Mon 18/1/21	Wed 27/1/21			0 days		100%
270	CIW-1511n		Sewage overflow incident of MHD11		(180)	0 days	NA	NA	9 days	Sat 13/2/21	Thu 25/2/21	Sat 13/2/21	Thu 25/2/21			0 days		100%
271	CIW-1512		Additional Special manhole for tank drain (NCE)			0 days	NA	NA	35 days	Mon 24/8/20	Mon 5/10/20	Mon 24/8/20	Mon 5/10/20		272,273	0 days		100%
272	CIW-1513		Breaking of concrete surround of cables (0.8mx0.8mx70m) (NCE)			0 days	NA	NA	24 days	Tue 8/9/20	Wed 7/10/20	Tue 8/9/20	Wed 7/10/20	271		0 days		100%
273	CIW-1514	KD1B	Construction of tank drain along revised alignment w/ concrete surround		051	0 days	NA	NA	10 days	Tue 5/1/21	Fri 15/1/21	Tue 5/1/21	Fri 15/1/21	271	43FF,307	0 days		100%
274	CIW-1516		Backfilling trench between MHD9.5 & MHA04			0 days	NA	NA	20 days	Sat 16/1/21	Mon 8/2/21	Sat 16/1/21	Mon 8/2/21			0 days		100%
275	**CIW-1520**		**Diversion of Sludge Pipes**			75 days	Tue 21/4/20	Tue 21/7/20	**364 days**	**Mon 11/5/20**	**Thu 29/7/21**	**Mon 11/5/20**	**NA**			**0 days**		**96%**
276	CIW-1520a		Excavation of trial pit and identification of connection point		351	0 days	NA	NA	103 days	Mon 11/5/20	Wed 9/9/20	Mon 11/5/20	Wed 9/9/20		277	0 days		100%
277	CIW-1520b		Trench excavation for twin DN250 sludge pipe ,on hold due to encounter of uncharted sludge pipe		351	75 days	Tue 21/4/20	Tue 21/7/20	4 days	Wed 15/7/20	Sat 18/7/20	Wed 15/7/20	Sat 18/7/20	276	278	0 days		100%
278	CIW-1520c		Additional hole drilling works and identification of connetion point			0 days	NA	NA	53 days	Mon 20/7/20	Fri 18/9/20	Mon 20/7/20	Fri 18/9/20	277	250	0 days		100%
279	CIW-1520d		Temporary diversion of substandard DI 250 Leachate raising main		202	0 days	NA	NA	127 days	Tue 20/10/20	Wed 24/3/21	Tue 20/10/20	Wed 24/3/21	228		0 days		100%
280	CIW-1520e		Protection work for substandard DI 500 tank drain Pipe (near MHD 9.5)		302	0 days	NA	NA	93 days	Wed 18/11/20	Fri 12/3/21	Wed 18/11/20	Fri 12/3/21	228		0 days		100%
281	CIW-1520f		Encounter of uncharted concrete pipe within sheetpile cofferdam at MHA04			0 days	NA	NA	2 days	Tue 10/11/20	Wed 11/11/20	Tue 10/11/20	Wed 11/11/20		282	0 days		100%
282	CIW-1520g		Resumption and construction of sludge pipe construction			0 days	NA	NA	253 days	Sat 19/9/20	Thu 29/7/21	Sat 19/9/20	NA	281	307,44FF	-36 days		91%
283	CIW-1530		Diversion of Leachate Rising Main			60 days	Tue 21/4/20	Fri 3/7/20	60 days	Tue 14/9/21	Thu 25/11/21	NA	NA	241		-135 days		0%
284	**CIW-1600**		**Diversion of pipelines near Primary Sludge Thickeners (approx. 180m long 150mm to 375mm concrete pipes)**			**156 days**	**Thu 6/2/20**	**Fri 14/8/20**	**570 days**	**Tue 26/11/19**	**Thu 28/10/21**	**Tue 26/11/19**	**NA**			**0 days**		**55%**
285	CIW-1610		~~Trench Excavation from M/H MHD1E to MHD5 (approx. 90m long with M/Hs MHD1A, 1B, 1C, 1D & 1E) - realigned~~		87	~~60 days~~	~~Thu 6/2/20~~	~~Mon 20/4/20~~	~~0 days~~	~~Tue 26/11/19~~	~~Tue 26/11/19~~	~~Tue 26/11/19~~	~~Tue 26/11/19~~			0 days		100%
286	~~CIW-1620~~		~~Manholes construction and Pipe laying - omitted~~		87	~~60 days~~	~~Mon 30/3/20~~	~~Sat 13/6/20~~	~~0 days~~	~~Tue 2/6/20~~	~~Tue 2/6/20~~	~~Tue 2/6/20~~	~~Tue 2/6/20~~		~~43FF,291~~	~~0 days~~		~~100%~~
287	CIW-1621		Temporary Diversion of Existing DN200 Filitrate Rising Main		034	0 days	NA	NA	20 days	Sat 1/8/20	Mon 24/8/20	Sat 1/8/20	Mon 24/8/20		288	0 days		100%
288	CIW-1623		Pipeline Diversion Works near Primary Sludge Thickening Tank		(114)	0 days	NA	NA	30 days	Fri 16/4/21	Sat 22/5/21	Fri 16/4/21	Sat 22/5/21	287	289	0 days		100%
289	CIW-1625		Uncharted underground utilities near Proposed MHD5B		0260	0 days	NA	NA	26 days	Mon 24/5/21	Wed 23/6/21	Mon 24/5/21	Wed 23/6/21	288	290,293	0 days		100%
290	CIW-1630		Trench Excavation from M/H (approx. 90m long with M/Hs M1A to M3B)			60 days	Tue 21/4/20	Fri 3/7/20	32 days	Thu 19/3/20	Wed 29/4/20	Thu 19/3/20	Wed 29/4/20	289	291,292	0 days		100%
291	CIW-1640		Manholes construction (M1A, M1B, M2B, M3B) and Pipe laying			25 days	Mon 15/6/20	Wed 15/7/20	12 days	Mon 4/5/20	Sat 16/5/20	Mon 4/5/20	Sat 16/5/20	290,286	43FF	0 days		100%
292	CIW-1650		Trench Excavation from MHD5 to MHD9.5 (approx. 90m long with M/Hs MHD5A & 5B)		(114)	50 days	Thu 16/7/20	Fri 11/9/20	60 days	Wed 2/9/20	Wed 30/12/20	Wed 2/9/20	Wed 30/12/20	290,296,301,303,305		0 days		100%
293	CIW-1660		Provision of Pumping System from Screen to Flume Channel		87	0 days	NA	NA	287 days	Tue 10/11/20	Thu 28/10/21	Tue 10/11/20	NA	289	294	-111 days		75%
294	CIW-1670		Manholes construction (MHD5A, MHD5B, MHD5C) and Pipe laying			45 days	Sat 23/5/20	Thu 16/7/20	293 days	Tue 3/11/20	Thu 28/10/21	Tue 3/11/20	NA	293	44FF	-111 days		8%
295	**CIW-2000**		**Decommission and Demolition of Existing Faciliates and Structures**			**240 days**	**Mon 2/3/20**	**Fri 18/12/20**	**222 days**	**Thu 19/3/20**	**Tue 15/12/20**	**Thu 19/3/20**	**Tue 15/12/20**	**6,122,160**		**0 days**		**100%**
296	**CIW-2100**		**Primary Sludge Thickening Tank No.1 and No.2**			**80 days**	**Mon 2/3/20**	**Tue 9/6/20**	**222 days**	**Thu 19/3/20**	**Tue 15/12/20**	**Thu 19/3/20**	**Tue 15/12/20**		**292**	**0 days**		**100%**
297	CIW-2101		Additional Works for Temporary Diversion of Bypass Pipe near Primary Sludge Thickeners			0 days	NA	NA	45 days	Thu 19/3/20	Sun 17/5/20	Thu 19/3/20	Sun 17/5/20			0 days		100%
298	CIW-2110		Removal of E&M equipment of primary sludge thickening tank			0 days	NA	NA	1 day	Thu 4/6/20	Thu 4/6/20	Thu 4/6/20	Thu 4/6/20		299	0 days		100%
299	CIW-2120		Decommission and Demolition the tank			80 days	Mon 2/3/20	Tue 9/6/20	150 days	Thu 18/6/20	Tue 15/12/20	Thu 18/6/20	Tue 15/12/20	298	301	0 days		100%
300	CIW-2130		Demolition of structure no.2			0 days	NA	NA	24 days	Mon 18/5/20	Mon 22/6/20	Mon 18/5/20	Mon 22/6/20			0 days		100%
301	CIW-2200		Primary Sludge Pump Pit			60 days	Wed 10/6/20	Thu 20/8/20	18 days	Wed 22/7/20	Tue 11/8/20	Wed 22/7/20	Tue 11/8/20	299	302,303,292,304	0 days		100%
302	CIW-2300		Septic Tank			50 days	Fri 21/8/20	Tue 20/10/20	18 days	Wed 12/8/20	Tue 1/9/20	Wed 12/8/20	Tue 1/9/20	301		0 days		100%
303	**CIW-2400**		**Diesel Tank**			**50 days**	**Wed 21/10/20**	**Fri 18/12/20**	**53 days**	**Thu 2/7/20**	**Tue 1/9/20**	**Thu 2/7/20**	**Tue 1/9/20**	**301**	**292**	**0 days**		**100%**
304	CIW-2410		Transfers of Remaining Diesel Fuel of Existing Diesel Tank			0 days	NA	NA	15 days	Thu 2/7/20	Tue 21/7/20	Thu 2/7/20	Tue 21/7/20	301	305	0 days		100%
305	CIW-2420		Demolition of diesel tank			50 days	Wed 21/10/20	Fri 18/12/20	18 days	Wed 12/8/20	Tue 1/9/20	Wed 12/8/20	Tue 1/9/20	304	**292**	0 days		100%
306	**CIW-3000**	*	**Inlet Works No.1 Building (1)**			**569 days**	**Sat 19/12/20**	**Mon 21/11/22**	**747 days**	**Tue 15/9/20**	**Thu 23/3/23**	**Tue 15/9/20**	**NA**	**6**		**748 days**		**18%**
307	CIW-3100		Predrilling (10nrs, 1rigs, 2.5days/drillhole/rig) - stage 1			40 days	Mon 4/1/21	Mon 22/2/21	28 days	Tue 15/9/20	Mon 19/10/20	Tue 15/9/20	Mon 19/10/20	248,250,273,228,282		0 days	1	100%
308	CIW-3100a		Predrilling (22nrs, 1rigs, 2.5days/drillhole/rig) - stage 2			0 days	NA	NA	60 days	Tue 8/12/20	Mon 22/2/21	Tue 8/12/20	Mon 22/2/21			0 days		100%
309	CIW-3200		Pre-bored H piles (188nos, 1.8rigs, 2days/rig/pile)			133 days	Tue 23/2/21	Wed 4/8/21	210 days	Fri 19/2/21	Tue 2/11/21	Fri 19/2/21	NA	228,132	310SS+150 days,311	-34 days	5	63%
310	CIW-3400a		Pile Load Test at stage 1			26 days	Thu 5/8/21	Fri 3/9/21	21 days	Sat 21/8/21	Tue 14/9/21	NA	NA	309SS+150 days	312	83 days		0%
311	CIW-3400b		Pile Load Test at stage 2 & 3			0 days	NA	NA	21 days	Wed 3/11/21	Fri 26/11/21	NA	NA	309	328,313	-34 days		0%
312	CIW-3300a		Sheetpile Installation at Phase C(900sq.m, 1rigs, 50sqm/rig/day)			80 days	Tue 23/3/21	Wed 30/6/21	30 days	Wed 15/9/21	Fri 22/10/21	NA	NA	310	315	83 days		0%
313	CIW-3300b		Sheetpile Installation at Phase B (2300sq.m, 1rigs, 50sqm/rig/day)			0 days	NA	NA	50 days	Sat 27/11/21	Thu 27/1/22	NA	NA	311	316	-34 days		0%
314	CIW-3500		**ELS works**			**77 days**	**Sat 4/9/21**	**Mon 6/12/21**	**157 days**	**Sat 23/10/21**	**Fri 6/5/22**	**NA**	**NA**		**334,165SF,169SF**	**3 days**	**5**	**0%**
315	CIW-3510		Phrase C (Grid G3 to L7)) - Excavation to -3.3mPD and blinding (strutting 2 layers, excavate soil 2250 cu.m)			77 days	Fri 4/6/21	Mon 6/12/21	77 days	Sat 23/10/21	Mon 24/1/22	NA	NA	312	320,333	83 days		0%
316	CIW-3520		Phrase B (Grid A1 to G3) - Excavation to -7.5mPD and blinding (strutting 4 layers, excavate soil 11000cu.m)			77 days	Fri 4/6/21	Mon 6/12/21	77 days	Fri 28/1/22	Fri 6/5/22	NA	NA	313	324	-34 days		0%
317	CIW-3590		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Mon 30/8/21	Mon 30/8/21	NA	NA	318SS-3 emons		1211 days		0%
318	CIW-3600		**R.C. Structure works**			**296 days**	**Thu 5/8/21**	**Thu 4/8/22**	**300 days**	**Sat 27/11/21**	**Thu 1/12/22**	**NA**	**NA**		**317SS-3 emons,332**	**-34 days**	**5**	**0%**
319	CIW-3610		**Phase C (Grid G3 to L7)**			**105 days**	**Thu 5/8/21**	**Wed 8/12/21**	**105 days**	**Tue 25/1/22**	**Tue 7/6/22**	**NA**	**NA**			**114 days**		**0%**
320	CIW-3611		Rebar fix and formwork and concreting for the pile cap (G/F) (including ELS demolition works)			40 days	Thu 5/8/21	Mon 20/9/21	40 days	Tue 25/1/22	Tue 15/3/22	NA	NA	315	321	114 days		0%
321	CIW-3612		Rebar fix and formwork and concreting upto +13.45mPD (1/F)			25 days	Tue 21/9/21	Fri 22/10/21	25 days	Wed 16/3/22	Thu 14/4/22	NA	NA	320	322	114 days		0%
322	CIW-3613	KD1C	Rebar fix and formwork and concreting upto +25.80mPD (R/F)			40 days	Sat 23/10/21	Wed 8/12/21	40 days	Tue 19/4/22	Tue 7/6/22	NA	NA	321	44FF,331,524	114 days		0%
323	CIW-3620		**Phase B (Gride A1 to G3)**			**193 days**	**Tue 7/12/21**	**Thu 4/8/22**	**173 days**	**Sat 7/5/22**	**Thu 1/12/22**	**NA**	**NA**			**-34 days**		**0%**
324	CIW-3621		Rebar fix and formwork and concreting for the Inlet Works structure upto Ground Level (including ELS demolition works)			54 days	Tue 7/12/21	Mon 14/2/22	54 days	Sat 7/5/22	Tue 12/7/22	NA	NA	316	325	-34 days		0%
325	CIW-3622		Apply waterproofing membrance and backfilling			14 days	Tue 15/2/22	Wed 2/3/22	14 days	Wed 13/7/22	Thu 28/7/22	NA	NA	324,185	326	-34 days		0%
326	CIW-3623	KD1C	Rebar fix and formwork and concreting for the Inlet Works structure upto Roof Level			105 days	Thu 3/3/22	Thu 4/8/22	105 days	Fri 29/7/22	Thu 1/12/22	NA	NA	325	331	-34 days		0%
327	CIW-3630		**Phase A (G1 to L3)**			**193 days**	**Tue 7/12/21**	**Thu 4/8/22**	**173 days**	**Sat 27/11/21**	**Sat 2/7/22**	**NA**	**NA**			**93 days**		**0%**
328	CIW-3631		Rebar fix and formwork and concreting for the Inlet Works structure upto Ground Level (including ELS demolition works)			54 days	Tue 7/12/21	Mon 14/2/22	54 days	Sat 27/11/21	Fri 4/2/22	NA	NA	311	329	93 days		0%
329	CIW-3632		Apply waterproofing membrance and backfilling			14 days	Tue 15/2/22	Wed 2/3/22	14 days	Sat 5/2/22	Mon 21/2/22	NA	NA	328,185	330	93 days		0%
330	CIW-3633	KD1C	Rebar fix and formwork and concreting for the Inlet Works structure upto Roof Level			105 days	Thu 3/3/22	Thu 4/8/22	105 days	Tue 22/2/22	Sat 2/7/22	NA	NA	329	332,44FF,331	93 days		0%
331	CIW-3700	KD1C	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Thu 4/8/22	Thu 4/8/22	0 days	Thu 1/12/22	Thu 1/12/22	NA	NA	330,322,326	44FF	-34 days		0%
332	CIW-3800	SW1	ABWF works + BS works			90 days	Fri 5/8/22	Mon 21/11/22	90 days	Fri 2/12/22	Thu 23/3/23	NA	NA	330,189,141,318	56FF	262 days		0%
333	CIW-3900	KD1D	Process Pipe CHE chainage 0-20 & CHF chainage 0-20			0 days	NA	NA	50 days	Sat 17/12/22	Mon 20/2/23	NA	NA	315,351FF	45FF	0 days		0%
334	CIW-4000	SW2	Remaining sewerage and utilities in Portion B1 & B2			0 days	NA	NA	60 days	Sat 7/5/22	Tue 19/7/22	NA	NA	314	57FF,555	3 days		0%
335	**CPS-0000**	*	**Primary Sedimentation Tanks, B-3 (2)**			**1115 days**	**Mon 18/11/19**	**Wed 23/8/23**	**1115 days**	**Mon 18/11/19**	**Wed 23/8/23**	**Mon 18/11/19**	**NA**	**8**		**139 days**		**44%**
336	CPS-1000		Operation of the Existing Primary sedimentation Tanks			615 days	Mon 18/11/19	Sat 24/7/21	615 days	Mon 18/11/19	Sat 24/7/21	Mon 18/11/19	Sat 24/7/21	2	339,338	0 days		100%
337	CPS-1100		Identification of existing cables near Primary Sedimentation Tank		88	0 days	NA	NA	3 days	Fri 19/2/21	Mon 22/2/21	Fri 19/2/21	Mon 22/2/21			0 days		100%
338	CPS-1200		Removal of residual sludge			0 days	NA	NA	12 days	Mon 26/7/21	Sat 7/8/21	NA	NA	336	339	-62 days		0%
339	CPS-2000		Demolition of existing primary sedimentation tanks no. 1			45 days	Mon 13/12/21	Wed 9/2/22	30 days	Mon 9/8/21	Sat 11/9/21	NA	NA	122,160,162,336,338	342,340	-62 days		0%
340	CPS-2000a		Demolition of existing primary sedimentation tanks no. 2			0 days	NA	NA	25 days	Mon 13/9/21	Wed 13/10/21	NA	NA	339	342	-62 days		0%
341	CPS-3000a		Predrilling (5nrs, 1rigs, 3days/drillhole/rig) - In-advanced stage			0 days	NA	NA	15 days	Thu 8/4/21	Sat 24/4/21	Thu 8/4/21	Sat 24/4/21		343	0 days		100%



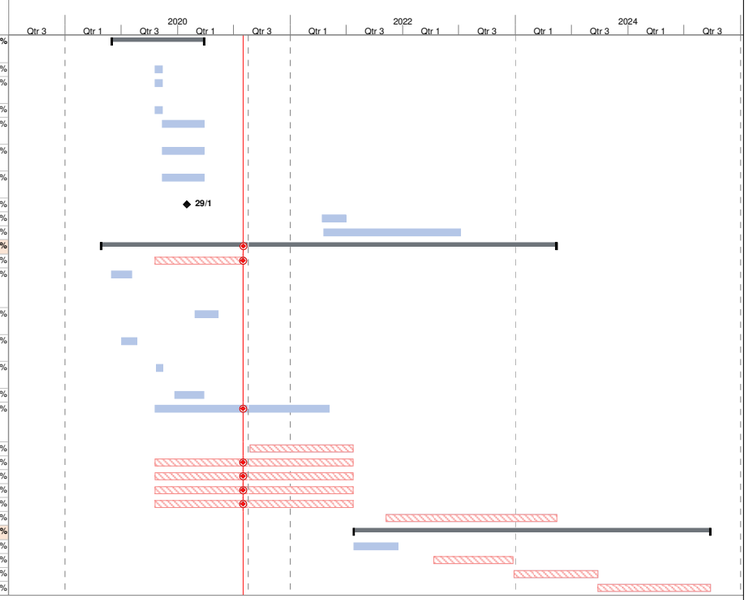
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
342	CPS-3000		Predrilling (63nrs, 3rigs, 3days/drillhole/rig)			38 days	Thu 10/2/22	Fri 25/3/22	38 days	Fri 15/10/21	Sat 27/11/21	NA	NA	127,452,339,340	343	-62 days	1	0%
343	CPS-4000		Pre-bored H piles (205nos, 2.5rigs, 2days/pile/rig)			102 days	Sat 26/3/22	Mon 1/8/22	164 days	Mon 29/11/21	Wed 22/6/22	NA	NA	132,453,341,342	344FS-40 days,346,345	-62 days	5	0%
344	CPS-5000		Sheetpile Installation (FSP-II, 3360sq.m, 1rigs, 50sqm/rig/day)			85 days	Wed 25/5/22	Fri 2/9/22	42 days	Thu 5/5/22	Fri 24/6/22	NA	NA	343FS-40 days,133	346,352SS+27 days	-62 days		0%
345	CPS-6000		Pile Load Test			26 days	Tue 2/8/22	Wed 31/8/22	26 days	Thu 23/6/22	Sat 23/7/22	NA	NA	343	346	0 days		0%
346	CPS-7000		ELS works (20000cu.m soil with 2 layers wailing / strutting)			45 days	Sat 3/9/22	Fri 28/10/22	60 days	Mon 25/7/22	Wed 5/10/22	NA	NA	343,135,345,344	347FF-3 emons,348,166SF,170SF	0 days	3	0%
347	CPS-7900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Thu 7/7/22	Thu 7/7/22	NA	NA	346FF-3 emons	348SS-3 emons	186 days		0%
348	CPS-8000	KD1D	R.C. Structure works (including ELS demolition works)			92 days	Sat 29/10/22	Mon 20/2/23	112 days	Thu 6/10/22	Mon 20/2/23	NA	NA	137,346,347SS-3 emons	349,350,45FF,351FF	0 days	3	0%
349	CPS-9000	KD1D	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Mon 20/2/23	Mon 20/2/23	0 days	Mon 20/2/23	Mon 20/2/23	NA	NA	348	45FF	0 days		0%
350	CPS-10000	SW1	ABWF works + BS works			150 days	Tue 21/2/23	Wed 23/8/23	150 days	Tue 21/2/23	Wed 23/8/23	NA	NA	348,189,141	56FF	139 days		0%
351	CPS-11000	KD1D	Flowmeter Chamber no.1			60 days	Tue 21/2/23	Sat 6/5/23	60 days	Tue 6/12/22	Mon 20/2/23	NA	NA	348FF	45FF,333FF	0 days		0%
352	CPS-12000	SW2	Process Pipe CHG chainage 0-50, CHH chainage 0-80, CHI chainage 0-95 & CHJ chianage 0-40 and surrounding utilities			0 days	NA	NA	100 days	Wed 8/6/22	Thu 6/10/22	NA	NA	344SS+27 days	57FF,555	-62 days		0%
353	**CBR-0000**	*	**Bioreactors No.2A & 2B, B-4 (3)**			**1106 days**	**Mon 18/11/19**	**Sat 12/8/23**	**1194 days**	**Mon 18/11/19**	**Mon 27/11/23**	**Mon 18/11/19**	**NA**	**9**		**546 days**		**38%**
354	CBR-1000		Operation of 2no. Existing 800mm air mains over bioreactor no.2			360 days	Mon 18/11/19	Wed 11/11/20	292 days	Mon 18/11/19	Wed 11/11/20	Mon 18/11/19	Wed 11/11/20	2		0 days		100%
355	CBR-2000		Construction of Removable Steel Shutter in the Common Channel of BR2 and 3		67	0 days	NA	NA	86 days	Thu 1/10/20	Fri 15/1/21	Thu 1/10/20	Fri 15/1/21	144	365	0 days		100%
356	CBR-4100		Take Down E&M Equipment & cables in Bioreactor BR2 and Return to DSD		95	0 days	NA	NA	90 days	Thu 15/10/20	Mon 1/2/21	Thu 15/10/20	Mon 1/2/21		366	0 days		100%
357	CBR-4200		Installation of monitoring points before demolition of BR2		219	0 days	NA	NA	5 days	Wed 27/1/21	Mon 1/2/21	Wed 27/1/21	Mon 1/2/21	363	358	0 days		100%
358	CBR-4300		Condition Survey for BR2			0 days	NA	NA	1 day	Fri 30/10/20	Fri 30/10/20	Fri 30/10/20	Fri 30/10/20	357	366	0 days		100%
359	**CBR-5000**		**Demolition of existing bioreactor no.2**			**60 days**	**Wed 3/2/21**	**Tue 20/4/21**	**98 days**	**Tue 10/11/20**	**Wed 10/3/21**	**Tue 10/11/20**	**Wed 10/3/21**	**122,162**		**0 days**		**100%**
360	CBR-5100		Identification and removal of existing cables on air main pipe bridge		210	0 days	NA	NA	35 days	Tue 10/11/20	Sat 19/12/20	Tue 10/11/20	Sat 19/12/20		361,365	0 days		100%
361	CBR-5300		Plugging and demolition of existing DN800 air main			0 days	NA	NA	5 days	Mon 28/12/20	Sat 2/1/21	Mon 28/12/20	Sat 2/1/21	360		0 days		100%
362	CBR-5200		Diversion of existing lighting cable and Earthing ducts_stage 1		264	0 days	NA	NA	43 days	Fri 4/12/20	Tue 26/1/21	Fri 4/12/20	Tue 26/1/21	363	366	0 days		100%
363	CBR-5400		Overflow incident from BR1 to BR2 works area no.1 (Dec 2020)		285	0 days	NA	NA	33 days	Fri 18/12/20	Thu 28/1/21	Fri 18/12/20	Thu 28/1/21	364	357,362	0 days		100%
364	CBR-5410		Overflow incident from BR1 to BR2 works area (Feb 2021)		340	0 days	NA	NA	8 days	Tue 16/2/21	Wed 24/2/21	Tue 16/2/21	Wed 24/2/21	365	366,363	0 days		100%
365	CBR-3000		Construction of Isolation Wall & stoplog in common channel of BR2 & BR3		277	0 days	NA	NA	43 days	Sat 16/1/21	Wed 10/3/21	Sat 16/1/21	Wed 10/3/21	355,360	364	0 days		100%
366	CBR-5500		Demolition of existing pipe bridge, partition wall and base slab (Stage 1)			30 days	Wed 3/2/21	Fri 12/3/21	26 days	Tue 2/2/21	Sat 6/3/21	Tue 2/2/21	Sat 6/3/21	362,358,364,356	367SS,368	0 days		100%
367	CBR-5520		Removal of additional concrete infill within the partition walls		(174)	0 days	NA	NA	26 days	Tue 2/2/21	Sat 6/3/21	Tue 2/2/21	Sat 6/3/21	366SS	368	0 days		100%
368	CBR-5900		Construction of precautionary measures (i.e. isolation wall)		322	0 days	NA	NA	2 days	Tue 9/3/21	Wed 10/3/21	Tue 9/3/21	Wed 10/3/21	366,367	369,371	0 days		100%
369	CBR-5905		Construction of precautionary measures (i.e. bund wall)		305	0 days	NA	NA	3 days	Thu 15/4/21	Sat 17/4/21	Thu 15/4/21	Sat 17/4/21	368		0 days		100%
370	CBR-5910		Removal of abandoned DN250 air pipe		209	0 days	NA	NA	6 days	Tue 20/4/21	Mon 26/4/21	Tue 20/4/21	Mon 26/4/21			0 days		100%
371	CBR-6000		Predrilling (33nrs, 3rigs, 2days/drillhole/rig)_stage 1			44 days	Wed 21/4/21	Sat 12/6/21	44 days	Mon 1/3/21	Wed 5/5/21	Mon 1/3/21	Wed 5/5/21	368	372	0 days	1	100%
372	CBR-7000		Pre-bored H piles (113nos, 2rigs, 2days/pile/rig)_stage 1			113 days	Tue 15/6/21	Thu 18/11/21	113 days	Thu 6/5/21	Fri 17/9/21	Thu 6/5/21	NA	371	382SS+30 days,377SS+45 days,38	1 day	5	41%
373	**CBR-7100**		**External works between BR2 and MFB2**			**0 days**	**NA**	**NA**	**217 days**	**Wed 30/6/21**	**Mon 21/3/22**	**Wed 30/6/21**	**NA**			**1046 days**		**9%**
374	CBR-7110		DN700 (CHER)RAS Diversion			0 days	NA	NA	45 days	Wed 30/6/21	Sat 21/8/21	Wed 30/6/21	NA	372SS+45 days	375	1212 days		2%
375	CBR-7120		Temporary vehicle diversion for RAS operation			0 days	NA	NA	6 days	Mon 23/8/21	Sat 28/8/21	NA	NA	374		1212 days		0%
376	CBR-7130		**DN600 Temporary Sewage diversion**			**0 days**	**NA**	**NA**	**120 days**	**Wed 30/6/21**	**Sat 20/11/21**	**Wed 30/6/21**	**NA**			**-45 days**		**18%**
377	CBR-7131		2nos. Manhole Construction (MHTD1 and MHTD2)		204, 353	0 days	NA	NA	75 days	Wed 30/6/21	Mon 27/9/21	Wed 30/6/21	NA	372SS+45 days	378FS-30 days	-88 days		36%
378	CBR-7132		Existing DN600 tank drain diversion		204, 353	45 days	NA	NA	75 days	Mon 23/8/21	Sat 20/11/21	NA	NA	377FS-30 days	379	-88 days		0%
379	CBR-7140		Demolition of abandoned DN600 pipe and existing surrounded wall & channel of BR2		353, 336	30 days	NA	NA	45 days	Mon 22/11/21	Sat 15/1/22	NA	NA	378	380	-88 days		0%
380	CBR-7150		Pre-drilling(3nr.) & Pre-bored H piles (20nrs, 1rig, 2days/drillhole/rig)_stage 2A			26 days	NA	NA	26 days	Mon 17/1/22	Fri 18/2/22	NA	NA	379	381	-88 days		0%
381	CBR-7160		Pile load test			26 days	NA	NA	26 days	Sat 19/2/22	Mon 21/3/22	NA	NA	380,386	389,388	-88 days		0%
382	CBR-7200		**External works between BR2 and PST**			**0 days**	**NA**	**NA**	**141 days**	**Wed 30/6/21**	**Wed 15/12/21**	**Wed 30/6/21**	**NA**	**372SS+30 days**		**-38 days**		**19%**
383	CBR-7210		Demolition of existing DN1200. DN900 and DN500 pipe (w/ ELS works)		91	0 days	NA	NA	75 days	Wed 30/6/21	Mon 27/9/21	Wed 30/6/21	NA	372SS+45 days	384	-38 days		36%
384	CBR-7220		Diversion of existing lighting cable and Earthing ducts (w/ ELS)		264	0 days	NA	NA	30 days	Tue 28/9/21	Wed 3/11/21	NA	NA	383	385	-38 days		0%
385	CBR-7230		Demolition of existing side wall		336	0 days	NA	NA	12 days	Thu 4/11/21	Wed 17/11/21	NA	NA	384	386	-38 days		0%
386	CBR-7240		Pre-bored H piles (24nrs, 2rig, 2days/drillhole/rig)_stage 2B			24 days	NA	NA	24 days	Thu 18/11/21	Wed 15/12/21	NA	NA	385	381	-38 days		0%
387	CBR-7340		Demolition of existing side wall between BR2 & BR3 and baseslab			0 days	NA	NA	60 days	Sat 18/9/21	Tue 30/11/21	NA	NA	372	388	1 day		0%
388	CBR-8000		Sheetpile Installation (3000sq.m, 1rigs, 50sqm/rig/day)			60 days	Wed 8/9/21	Fri 19/11/21	60 days	Tue 22/3/22	Tue 7/6/22	NA	NA	381,387	389	-88 days		0%
389	CBR-10000		ELS works (18100cu.m soil with 4 layers wailing / strutting)			125 days	Mon 20/12/21	Fri 27/5/22	80 days	Wed 8/6/22	Fri 9/9/22	NA	NA	135,381,388	391,390FF-3 emons,399SS+46 day	-88 days	3	0%
390	CBR-10900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Sat 11/6/22	Sat 11/6/22	NA	NA	389FF-3 emons	391SS-3 emons	168 days		0%
391	CBR-11000	KD1E	R.C. Structure works (including ELS demolition works)			180 days	Sat 28/5/22	Sat 31/12/22	180 days	Sat 10/9/22	Sat 22/4/23	NA	NA	138,186,187,190,188,389,390SS-3 emons	398,46FF,397,393FF,394SS+25 da	-88 days	5	0%
392		KD1E	Process Pipe CHO chainage 65-140			0 days	NA	NA	60 days	Wed 8/2/23	Sat 22/4/23	NA	NA	391FF	46FF	-88 days		0%
393	CBR-11020	KD1E	Additional backfill works after end wall construction at BR2 common channel		277	0 days	NA	NA	30 days	Wed 15/3/23	Sat 22/4/23	NA	NA	391FF	46FF	-88 days		0%
394	CBR-13000	KD1E	Flowmeter no. 2-4			180 days	2023/1/3	2023/8/12	60 days	Thu 13/10/22	Wed 21/12/22	NA	NA	391SS+25 days	395FS-13 days	-88 days		0%
395	CBR-14000	KD1E	Gate Valve Chamber no.1-3			180 days	2023/1/3	2023/8/12	60 days	Wed 7/12/22	Tue 21/2/23	NA	NA	394FS-13 days	396FS-12 days	-88 days		0%
396	CBR-15000	KD1E	Plug Valve Chamber no.1-2			180 days	2023/1/3	2023/8/12	60 days	Wed 8/2/23	Sat 22/4/23	NA	NA	395FS-12 days	46FF	-88 days		0%
397	CBR-12000	KD1E	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Sat 31/12/22	Sat 31/12/22	0 days	Sat 22/4/23	Sat 22/4/23	NA	NA	391	46FF	-88 days		0%
398	CBR-16000	SW1	ABWF works + BS works			180 days	Tue 3/1/23	Sat 12/8/23	180 days	Mon 24/4/23	Mon 27/11/23	NA	NA	391,189,141	56FF	60 days		0%
399	CBR-17000	SW2	Process Pipe CHQ chainage 65-170, CHP chainage 60-130, CHL chainage 0-35 & CHK chianage 0-50 and surrounding utilities			0 days	NA	NA	80 days	Tue 2/8/22	Sat 5/11/22	NA	NA	389SS+46 days	57FF,555	-88 days		0%
400	**CMF-0000**	*	**Membrane Facilities Building, B-5**			**941 days**	**Mon 6/1/20**	**Thu 9/3/23**	**1133 days**	**Mon 18/11/19**	**Wed 13/9/23**	**Mon 18/11/19**	**NA**	**2**		**121 days**		**45%**
401			Operation of existing Final Sedimentation Tanks no.3 & 4		26	0 days	NA	NA	98 days	Mon 18/11/19	Tue 17/3/20	Mon 18/11/19	Tue 17/3/20	2		0 days		100%
402	**CMF-1000**		**Demolition of existing final sedimentation tanks no. 3 & 4**			**14 days**	**Mon 6/1/20**	**Tue 21/1/20**	**340 days**	**Mon 6/1/20**	**Sun 28/2/21**	**Mon 6/1/20**	**Sun 28/2/21**	**160,122,10**		**0 days**		**100%**
403	CMF-1100		Confirmation of Decommission Schedule	68	30	0 days	NA	NA	58 days	Mon 6/1/20	Mon 16/3/20	Mon 6/1/20	Mon 16/3/20		404	0 days		100%
404	CMF-1200		Provision of new submersed pump	68	26	0 days	NA	NA	27 days	Wed 4/3/20	Fri 3/4/20	Wed 4/3/20	Fri 3/4/20	403	405	0 days		100%
405	CMF-1205		Assistant to decommissioning of Final Sedimentation Tank No. 3 and 4	68	7	0 days	NA	NA	14 days	Wed 4/3/20	Fri 3/4/20	Wed 4/3/20	Fri 3/4/20	404	406	0 days		100%
406	CMF-1300		Additional dismantling works to retain specified electrical and mechanical equipment	75	(013)	0 days	NA	NA	21 days	Tue 7/4/20	Wed 6/5/20	Tue 7/4/20	Wed 6/5/20	405	407	0 days		100%
407	CMF-1400		Additional pluging works for DN 1200 Conc. S&S pipe at wash water pumping station chamber	76, 77, 144	(015)	0 days	NA	NA	70 days	Mon 8/6/20	Sat 29/8/20	Mon 8/6/20	Sat 29/8/20	406	408	0 days		100%
408	CMF-1500		Diversion of wash water main	76, 77	032	0 days	NA	NA	21 days	Mon 15/6/20	Fri 10/7/20	Mon 15/6/20	Fri 10/7/20	407	409	0 days		100%
409	CMF-1600		Isolation wall for RAS Channel No.1	76, 77	035	0 days	NA	NA	40 days	Mon 1/6/20	Sat 18/7/20	Mon 1/6/20	Sat 18/7/20	408	413	0 days		100%
410	CMF-1710		Removal of DN1400 Bioreactor No. 2 Effluent Pipe		043	0 days	NA	NA	8 days	Fri 19/2/21	Sun 28/2/21	Fri 19/2/21	Sun 28/2/21			0 days		100%
411	CMF-1800		Exposed and disconnet uncharted existing cable between FST3 and FST 4	77	038	0 days	NA	NA	20 days	Thu 2/7/20	Fri 24/7/20	Thu 2/7/20	Fri 24/7/20			0 days		100%
412	CMF-1110		Demolition of structure no. 3 & 4	68, 75, 76, 77, 144		14 days	Mon 6/1/20	Tue 21/1/20	122 days	Wed 1/4/20	Sat 29/8/20	Wed 1/4/20	Sat 29/8/20		414	0 days		100%
413	CMF-1900		Removal of Existing DN150 SAS Rising Main at RAS Channel No. 1	212	060	0 days	NA	NA	23 days	Mon 31/8/20	Fri 25/9/20	Mon 31/8/20	Fri 25/9/20	409	415	0 days		100%
414	CMF-2000		Predrilling (83nrs, 4rigs, 2.5days/drillhole/rig)	144, 212	120	42 days	Sat 6/6/20	Mon 27/7/20	31 days	Mon 10/8/20	Mon 14/9/20	Mon 10/8/20	Mon 14/9/20	127,412	415	0 days	1	100%
415	CMF-3000		Pre-bored H piles (171nos, 2rigs, 1.5days/pile/rig) [Extended working hours 0700-1900 & shortern pile length]	212, 308, 309	120	140 days	Tue 28/7/20	Wed 13/1/21	96 days	Mon 28/9/20	Sat 23/1/21	Mon 28/9/20	Sat 23/1/21	414,132,413	416,417	0 days	5	100%
416	CMF-3100		Change of Layout of Basement of MFB no. 2		(102)	0 days	NA	NA	17 days	Tue 3/11/20	Sat 21/11/20	Tue 3/11/20	Sat 21/11/20	415		0 days		100%
417	CMF-4000		Pile Load Test			25 days	Thu 14/1/21	Tue 16/2/21	19 days	Mon 4/1/21	Mon 25/1/21	Mon 4/1/21	Mon 25/1/21	415	421,418	0 days		100%
418	CMF-5000		Installation of sheetpile [with pre-boring]		120	40 days	Wed 22/1/20	Wed 11/3/20	120 days	Mon 28/12/20	Thu 24/6/21	Mon 28/12/20	Thu 24/6/21	417	421	0 days		100%
419	**CMF-6000**		**ELS works**			**169 days**	**Wed 17/2/21**	**Thu 9/9/21**	**188 days**	**Fri 25/6/21**	**Thu 10/2/22**	**Fri 25/6/21**	**NA**	**10**	**424FF-3 emons**	**-87 days**	**5**	**22%**
420	**CMF-6100**		**Pharse A (A1 to N6) - Excavation to -9mPD and blinding**		**45**	**169 days**	**Wed 17/2/21**	**Thu 9/9/21**	**188 days**	**Fri 25/6/21**	**Thu 10/2/22**	**Fri 25/6/21**	**NA**		**423SS**	**-100 days**		**16%**
421	CMF-6110		Soil Excavation [Extended working hours 0700-1900 & reduction of excavation volume]		120, 207	169 days	Wed 17/2/21	Thu 9/9/21	88 days	Fri 25/6/21	Fri 8/10/21	Fri 25/6/21	NA	418,135,417	422	-117 days		35%
422	CMF-6120		Additional Rock Excavation [2200 cu.m, 7.5cu.m/group x 2]		120, 207	0 days	NA	NA	100 days	Sat 9/10/21	Thu 10/2/22	NA	NA	421	426	-117 days		0%
423	CMF-6200		Pharse B (A6 to N10) - Excavation to -1.9mPD and blinding			169 days	Wed 17/2/21	Thu 9/9/21	100 days	Fri 25/6/21	Sat 23/10/21	Fri 25/6/21	NA	420SS	427,433	1 day		31%
424	CMF-6900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Fri 12/11/21	Fri 12/11/21	NA	NA	419FF-3 emons	425SS-3 emons	216 days		0%
425	**CMF-7000**		**RC Structure works**			**232 days**	**Fri 10/9/21**	**Sat 25/6/22**	**262 days**	**Fri 11/2/22**	**Wed 28/12/22**	**NA**	**NA**	**10,424SS-3 emons**		**-117 days**	**5**	**0%**
426	CMF-7100	KD1F	Phase A - from B2 - Level 1 (including ELS demolition works)			112 days	Fri 10/9/21	Tue 25/1/22	112 days	Fri 11/2/22	Wed 29/6/22	NA	NA	139,186,187,190,188,422	427SS+30 days,428,430	-117 days		0%
427	CMF-7110	KD1F	Phase B - from B1 - Level 1 (including ELS demolition works)			112 days	Fri 10/9/21	Tue 25/1/22	112 days	Fri 18/3/22	Thu 4/8/22	NA	NA	426SS+30 days,423	429,430	-117 days		0%
428	CMF-7120	KD1G	Phase A - from Level 1 to Roof			120 days	Wed 26/1/22	Sat 25/6/22	120 days	Thu 30/6/22	Mon 21/11/22	NA	NA	428	431,432	-87 days		0%
429	CMF-7130	KD1G	Phase B - from Level 1 to Roof			120 days	Wed 26/1/22	Sat 25/6/22	120 days	Fri 5/8/22	Wed 28/12/22	NA	NA	427	431,432	-117 days		0%
430	CMF-8000	KD1F	Allow access to Contractor DE/2018/04 for E&M installation and T&C works (from B2-level 1)			0 days	Tue 25/1/22	Tue 25/1/22	0 days	Thu 4/8/22	Thu 4/8/22	NA	NA	426,427	47FF	-115 days		0%
431	CMF-9000	KD1G	Allow access to Contractor DE/2018/04 for E&M installation and T&C works (from Level to Roof)			0 days	Sat 25/6/22	Sat 25/6/22	0 days	Wed 28/12/22	Wed 28/12/22	NA	NA	428,429	48FF	-117 days		0%
432	CMF-10000	SW1	ABWF works + BS works			210 days	Mon 27/6/22	Thu 9/3/23	210 days	Thu 29/12/22	Wed 13/9/23	NA	NA	189,428,429	56FF	121 days		0%
433	CMF-11000	SW2	Process Pipe CHQ chainage 0-65, CHM chainage 0-120, CHN chainage 0-125, CHO chainage 0-65, CHP chainage 0-60 & CHV chaange 0-50 and surrounding utilities			0 days	NA	NA	176 days	Mon 25/10/21	Tue 31/5/22	NA	NA	423	57FF,555	43 days		0%
434	**CSA-0000**	*	**SAS Pumping Station, B-6**			**455 days**	**Wed 20/5/20**	**Thu 25/11/21**	**728 days**	**Sat 18/4/20**	**Wed 28/9/22**	**Sat 18/4/20**	**NA**	**11**		**891 days**		**78%**



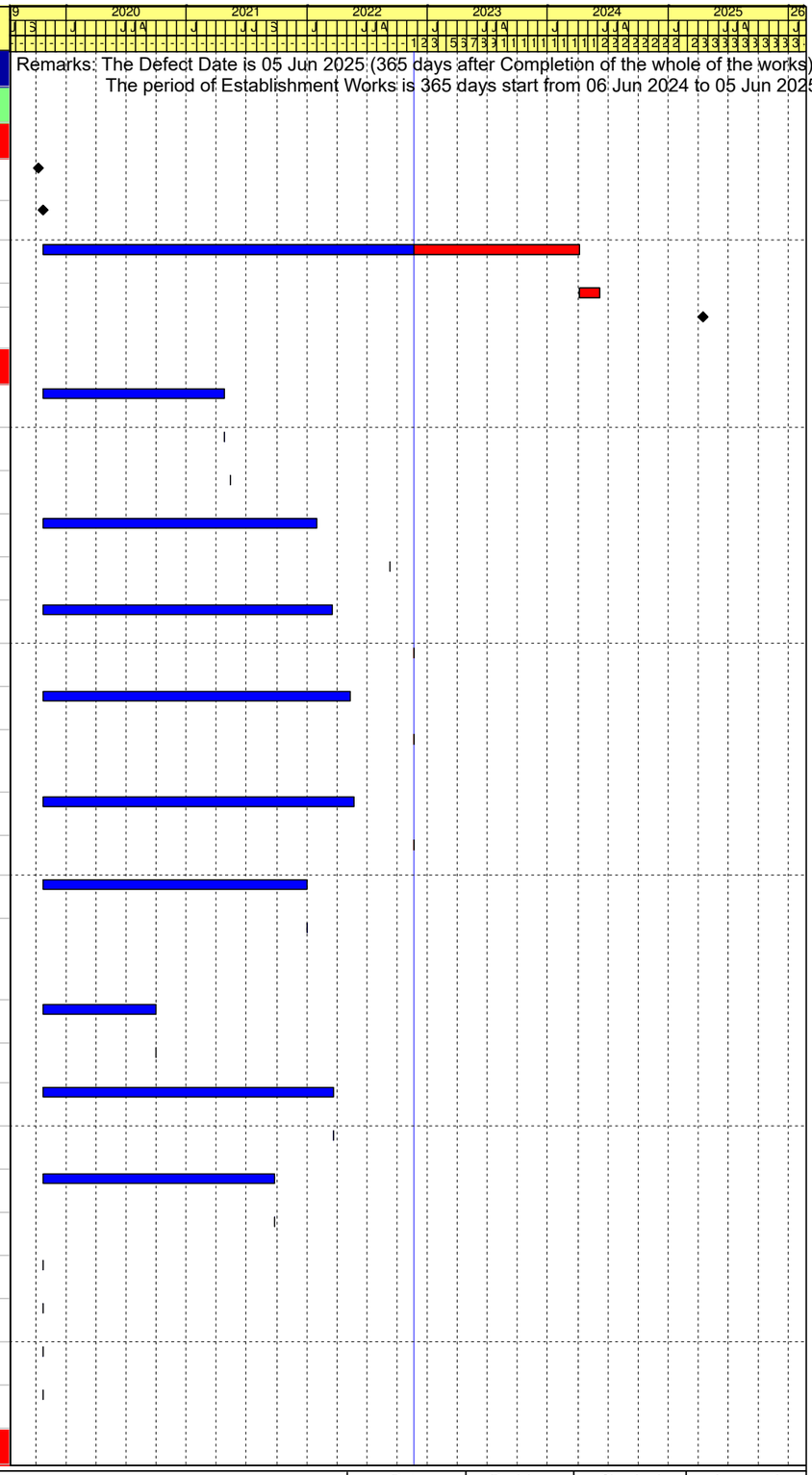
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
435	**CSA-1000**		**Additional Preliminary Works**			**0 days**	**NA**	**NA**	**330 days**	**Tue 9/6/20**	**Mon 19/7/21**	**Tue 9/6/20**	**NA**			**1247 days**		**98%**
436	CSA-1020		Expose and abandon existing electric cable & trial pits		78	0 days	NA	NA	39 days	Mon 17/8/20	Wed 30/9/20	Mon 17/8/20	Wed 30/9/20			0 days		100%
437	CSA-1030		Installation of standpipes		71	0 days	NA	NA	13 days	Mon 14/9/20	Mon 28/9/20	Mon 14/9/20	Mon 28/9/20			0 days		100%
438	CSA-1100		Diversion of Existing SAS Rising Main near SAS Pumping Station	68, 75, 76	69	0 days	NA	NA	170 days	Tue 9/6/20	Thu 31/12/20	Tue 9/6/20	Thu 31/12/20		453	0 days		100%
439	CSA-1200		Decommission of exisiting power and signal systems in leachate Pump station switch room	312, 309, 310	74	0 days	NA	NA	58 days	Mon 21/9/20	Mon 30/11/20	Mon 21/9/20	Mon 30/11/20	146	453	0 days		100%
440	CSA-1300		Construction of Cable trough for CLP 11kv Cable Diversion	75, 76, 77, 161		0 days	NA	NA	54 days	Mon 19/10/20	Mon 21/12/20	Mon 19/10/20	Mon 21/12/20		453	0 days		100%
441	CSA-1400		Demolition of Existing Pillar box and its concrete plinth	144, 212, 30	30	0 days	NA	NA	53 days	Wed 12/8/20	Sat 14/11/20	Wed 12/8/20	Sat 14/11/20	149	453	0 days		100%
442	CSA-1500		Excavation to locate existing underground cble near SAS Pump Station		78	0 days	NA	NA	59 days	Wed 17/6/20	Sat 21/11/20	Wed 17/6/20	Sat 21/11/20		453	0 days		100%
443	CSA-1600		Diversion of Existing DN80 Permeate Rising Main near SAS Pumping station		89	0 days	NA	NA	72 days	Tue 6/10/20	Thu 31/12/20	Tue 6/10/20	Thu 31/12/20		453	0 days		100%
444	CSA-1800		Trench Excavation near SAS for CLP diversion of 11kV cable	309, 310	97	0 days	NA	NA	53 days	Mon 12/10/20	Sat 12/12/20	Mon 12/10/20	Sat 12/12/20		453	0 days		100%
445	CSA-1700		Relocation of Oil Interceptor Near Existing Compressor House	144, 212, 30	70	0 days	NA	NA	50 days	Mon 9/11/20	Fri 8/1/21	Mon 9/11/20	Fri 8/1/21		453	0 days		100%
446	CSA-1900		Diversion of pumping system sewerage	212, 309, 31	83	0 days	NA	NA	36 days	Wed 13/1/21	Fri 26/2/21	Wed 13/1/21	Fri 26/2/21	151	455,453,447	0 days		100%
447	CSA-1910		Diversion of Existing copper pipe near proposed SAS pumping station	309, 310	225	0 days	NA	NA	61 days	Mon 19/10/20	Thu 31/12/20	Mon 19/10/20	Thu 31/12/20	446	453	0 days		100%
448	CSA-1920		Pipework of proposed SAS Pumping Station - 13 nos. of puddles		221	0 days	NA	NA	180 days	Mon 7/12/20	Mon 19/7/21	Mon 7/12/20	NA			1247 days		92%
449	CSA-1930		Additional DN150 Rising main for SAS		220/69	0 days	NA	NA	15 days	Wed 2/12/20	Fri 18/12/20	Wed 2/12/20	Fri 18/12/20			0 days		100%
450	CSA-1940		Additional DN90 PE pipe diversion		89	0 days	NA	NA	7 days	Fri 11/12/20	Fri 18/12/20	Fri 11/12/20	Fri 18/12/20			0 days		100%
451	CSA-1970		Additional diversion of existing sludge rising main and sewerage system		81	0 days	NA	NA	15 days	Thu 21/1/21	Sat 6/2/21	Thu 21/1/21	Sat 6/2/21			0 days		100%
452	CSA-2000		Predrilling (4nrs, 1rig, 4days/drillhole/rig)	68		16 days	Wed 20/5/20	Sat 6/6/20	7 days	Sat 18/4/20	Sat 25/4/20	Sat 18/4/20	Sat 25/4/20	127	342,453	0 days		100%
453	CSA-3000		Pre-bored H piles (12nos, 1rigs, 4days/pile/rig)			60 days	Mon 8/6/20	Tue 18/8/20	19 days	Mon 4/1/21	Mon 25/1/21	Mon 4/1/21	Mon 25/1/21	132,452,148,438,439,441,442,443,445,44	343,454	0 days	2	100%
454	CSA-4000		Pile Load Test			21 days	Wed 19/8/20	Thu 17/9/20	22 days	Tue 23/2/21	Fri 19/3/21	Tue 23/2/21	Fri 19/3/21	453	456,455	0 days		100%
455	CSA-5000		Sheetpile Installation (FSP-II, 690sq.m, 40sqm/day)			28 days	Wed 19/8/20	Sat 19/9/20	28 days	Tue 30/3/21	Wed 5/5/21	Tue 30/3/21	Wed 5/5/21	133,454,446	456	0 days		100%
456	CSA-6000		ELS works (1300cu.m soil with 2 layers wailing / strutting)			75 days	Mon 21/9/20	Wed 19/2/20	75 days	Thu 6/5/21	Wed 4/8/21	Thu 6/5/21	NA	455,135,454	458,457FF-3 emons	-121 days	2	96%
457	CSA-6900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Thu 6/5/21	Thu 6/5/21	Thu 6/5/21	Thu 6/5/21	456FF-3 emons	458SS-3 emons	0 days		100%
458	CSA-7000	KD1H	R.C. Structure works (including ELS demolition works)			186 days	Mon 21/12/20	Mon 9/8/21	186 days	Thu 5/8/21	Sat 19/3/22	NA	NA	456,457SS-3 emons	459,460,49FF	-121 days	5	0%
459	CSA-8000	KD1H	Allow access to Contractor DE/2018/03 for E&M installation and T&C works			0 days	Mon 9/8/21	Mon 9/8/21	0 days	Sat 19/3/22	Sat 19/3/22	NA	NA	458	49FF	-121 days		0%
460	CSA-9000	SW1	ABWF works + BS works			90 days	Tue 10/8/21	Thu 25/11/21	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	458,189,141,522SS	56FF	405 days		0%
461	**CAS-0000**	*	**Ancillary Structures, B-7**			**503 days**	**Mon 7/9/20**	**Sat 21/5/22**	**420 days**	**Mon 3/5/21**	**Wed 28/9/22**	**Mon 3/5/21**	**NA**	**12**		**891 days**		**7%**
462	**CAS-1000**		Demolition of Existing Faciliates and Structures (leachate pump pit & pumping station)			120 days	Mon 7/9/20	Sat 30/1/21	120 days	Mon 3/5/21	Thu 23/9/21	Mon 3/5/21	NA	122,160,162	497	48 days		41%
463	**CFS-1000**	*	**Fire Services Sprinkler Pumping Room & Emergency Generator House (9)+(10)****		**301**	**220 days**	**Sat 10/4/21**	**Sun 3/1/21**	**419 days**	**Tue 4/5/21**	**Wed 28/9/22**	**Tue 4/5/21**	**NA**			**405 days**		**14%**
464	CFS-1000		Water Sampling and Testing for existing effluent pump pit		384	0 days	NA	NA	12 days	Tue 4/5/21	Mon 17/5/21	Tue 4/5/21	Mon 17/5/21		465	0 days		100%
465	CFS-1150		Identification, decommission and demolition of the existing kiosk		86	0 days	NA	NA	26 days	Tue 18/5/21	Fri 18/6/21	Tue 18/5/21	Fri 18/6/21	464	466,479	0 days		100%
466	CFS-1100		Provision of Flowmeter chamber, gate valve chamber and associated seweage		85	0 days	NA	NA	90 days	Sat 19/6/21	Tue 5/10/21	Sat 19/6/21	NA	465	467,469FF	-101 days		40%
467	CFS-1200		Decommission and demolistion of the existing pump pit and associated sewerage manholes and pipes		86	0 days	NA	NA	40 days	Wed 6/10/21	Mon 22/11/21	NA	NA	466	470	-101 days		0%
468	CFS-1250		Diversion of Leachate Rising Main near SSSH		241	0 days	NA	NA	18 days	Wed 28/7/21	Wed 18/8/21	NA	NA	469SF	480	18 days		0%
469	CFS-1300		E&M provision of flowmeter chamber and associated sewerage for effluent and sewage from SSSH		256	0 days	NA	NA	40 days	Wed 18/8/21	Tue 5/10/21	NA	NA	466FF	470,468SF	-61 days		0%
470	CFS-2000		Excavation for Raft Footing (800cu.m)			65 days	NA	NA	44 days	Tue 23/11/21	Sat 15/1/22	NA	NA	469,467	471	-101 days		0%
471	CFS-2800		Plate load test at bottom level of compacted generall fill(2no.)			12 days	NA	NA	7 days	Mon 17/1/22	Mon 24/1/22	NA	NA	470	472	-101 days		0%
472	CFS-2900		Soil Replacement (14 layers SRT)			0 days	NA	NA	42 edays	Mon 24/1/22	Mon 7/3/22	NA	NA	471	473	-124.42 edays		0%
473	CFS-3000		Plate load test at bottom level of base slab (3no.)			28 days	Fri 4/6/21	Mon 21/6/21	7 days	Tue 8/3/22	Tue 15/3/22	NA	NA	472	474FF-3 mons,475	-101 days		0%
474	CFS-3900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Tue 23/11/21	Tue 23/11/21	NA	NA	473FF-3 mons	475SS-3 emons	59 days		0%
475	CFS-4000	KD1J	R.C. structure works			120 days	NA	NA	70 days	Wed 16/3/22	Mon 13/6/22	NA	NA	473,474SS-3 emons	477,476,51FF,521FF,520FF	-101 days	2	0%
476	CFS-5000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Mon 13/9/21	Mon 13/9/21	0 days	Mon 13/6/22	Mon 13/6/22	NA	NA	475	51FF	-101 days		0%
477	CFS-6000	SW1	ABWF works + BS works			90 days	Tue 14/9/21	Mon 3/1/22	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	475	56FF	405 days		0%
478	**CCS-1000**	*	**Chemical System No.1 (8)***			**168 days**	**Mon 1/2/21**	**Thu 26/8/21**	**386 days**	**Sat 12/6/21**	**Wed 28/9/22**	**Sat 12/6/21**	**NA**			**891 days**		**4%**
479	CCS-1310		Demolition of SSSH Pump Pit and Associated Sewerage System		086	0 days	NA	NA	26 days	Sat 19/6/21	Tue 20/7/21	Sat 19/6/21	NA	465	481	54 days		38%
480	CCS-1110		Removal of existing Leachate Rising Main near SSSH		241	0 days	NA	NA	12 days	Wed 18/8/21	Tue 31/8/21	NA	NA	468	481	18 days		0%
481	CCS-1100		Excavation for Raft Footing (20cu.m)			10 days	Mon 1/2/21	Thu 11/2/21	10 days	Wed 1/9/21	Sat 11/9/21	NA	NA	480,479	485FF-3 emons,486,482	18 days		0%
482	CCS-1080		Plate load test at bottom level of compacted generall fill(2no.)			9 days	NA	NA	9 days	Mon 13/9/21	Thu 23/9/21	NA	NA	481	483	18 days		0%
483	CCS-1090		Soil Replacement (10 layers SRT)			0 days	NA	NA	30 edays	Thu 23/9/21	Sat 23/10/21	NA	NA	482	484	23.58 edays		0%
484	CCS-1200		Plate load test at bottom level of base slab (1no.)			5 days	Tue 16/2/21	Wed 3/3/21	5 days	Mon 25/10/21	Fri 29/10/21	NA	NA	483	486,493	19 days		0%
485	CCS-1190		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Sat 12/6/21	Sat 12/6/21	Sat 12/6/21	Sat 12/6/21	481FF-3 emons	486SS-3 emons	0 days		100%
486	CCS-1300	KD1J	R.C. structure works			45 days	Mon 15/3/21	Mon 10/5/21	60 days	Sat 30/10/21	Tue 11/1/22	NA	NA	481,485SS-3 emons,484	51FF,488,487	20 days	2	0%
487	CCS-1400	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Mon 10/5/21	Mon 10/5/21	0 days	Tue 11/1/22	Tue 11/1/22	NA	NA	486	51FF	20 days		0%
488	CCS-1500	SW1	ABWF works + BS works			90 days	Tue 11/5/21	Thu 26/8/21	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	189,141,486,522SS	56FF	405 days		0%
489	**CDS-0000**	*	**Deodorization System No.3A (7)***			**149 days**	**Tue 16/11/21**	**Sat 21/5/22**	**105 days**	**Thu 5/8/21**	**Wed 8/12/21**	**NA**	**NA**			**90 days**		**0%**
490	CDS-2000		Excavation for Raft Footing (400cu.m)			20 days	Tue 16/11/21	Wed 8/12/21	20 days	Sat 14/8/21	Tue 7/9/21	NA	NA	491SF		1205 days		0%
491	CDS-2008		Plate load test at bottom level of compacted generall fill(2no.)			10 days	NA	NA	10 days	Tue 7/9/21	Sat 18/9/21	NA	NA	492SF	490SF	1195 days		0%
492	CDS-2100		Soil Replacement (14 layers SRT)			0 days	NA	NA	42 edays	Sat 18/9/21	Sat 30/10/21	NA	NA	493SF	491SF	1425.42 edays		0%
493	CDS-3000		Plate load test at bottom level of base slab (1no.)			4 days	Thu 9/12/21	Fri 24/12/21	4 days	Sat 30/10/21	Wed 3/11/21	NA	NA	484	494FF-3 emons,495,492SF,500FS	-19 days		0%
494	CDS-3900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Thu 5/8/21	Thu 5/8/21	NA	NA	493FF-3 emons	495SS-3 emons	150 days		0%
495	CDS-4000	KD1J	Footing works			20 days	Tue 4/1/22	Wed 26/1/22	30 days	Thu 4/11/21	Wed 8/12/21	NA	NA	493,494SS-3 emons	496,51FF	46 days		0%
496	CDS-5000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Wed 26/1/22	Wed 26/1/22	0 days	Wed 8/12/21	Wed 8/12/21	NA	NA	495	51FF	46 days		0%
497	**CCS-2000**	*	**Chemical System No.2 (11)**			**189 days**	**Thu 4/3/21**	**Thu 21/10/21**	**300 days**	**Fri 24/9/21**	**Wed 28/9/22**	**NA**	**NA**	**462**		**48 days**		**0%**
498	CCS-2100		Excavation for Raft Footing (100cu.m)			15 days	Thu 4/3/21	Sat 20/3/21	14 days	Fri 24/9/21	Mon 11/10/21	NA	NA	499SF		1177 days		0%
499	CCS-2110		Soil Replacement (8 layers SRT)			0 days	NA	NA	24 edays	Wed 6/10/21	Sat 30/10/21	NA	NA	500SF	498SF	1425.42 edays		0%
500	CCS-2200		Plate load test (2no.)			14 days	Mon 22/3/21	Fri 9/4/21	15 days	Sat 30/10/21	Tue 16/11/21	NA	NA	493FS-4 days	501FF-3 emons,502,499SF,510FS	-19 days		0%
501	CCS-2290		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Fri 24/9/21	Fri 24/9/21	NA	NA	500FF-3 emons	502SS-3 emons	108 days		0%
502	CCS-2300	KD1J	R.C. structure works			45 days	Tue 11/5/21	Mon 5/7/21	45 days	Wed 17/11/21	Tue 11/1/22	NA	NA	500,501SS-3 emons	503,51FF,504,505	20 days	2	0%
503	CCS-2400	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Mon 5/7/21	Mon 5/7/21	0 days	Tue 11/1/22	Tue 11/1/22	NA	NA	502	51FF	20 days		0%
504	CCS-2500	SW1	ABWF works + BS works			90 days	Tue 6/7/21	Thu 21/10/21	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	189,141,502,522SS	56FF	405 days		0%
505	CCS-2600	SW1	Demolition of existing chemical room			60 days	Tue 6/7/21	Mon 13/9/21	60 days	Wed 12/1/22	Fri 25/3/22	NA	NA	502	56FF	556 days		0%
506	**CTC-0000**	*	**Temporary Chemical Dosing System (5)**			**191 days**	**Tue 22/6/21**	**Thu 10/2/22**	**330 days**	**Thu 19/8/21**	**Wed 28/9/22**	**NA**	**NA**			**89 days**		**0%**
507	CTC-2000		Excavation for Raft Footing (300cu.m)			30 days	Tue 22/6/21	Tue 27/7/21	30 days	Thu 26/8/21	Sat 2/10/21	NA	NA	508SF		1185 days		0%
508	CTC-2080		Plate load test at bottom level of compacted generall fill(2no.)			9 days	NA	NA	9 days	Sat 2/10/21	Wed 13/10/21	NA	NA	509SF	507SF	1176 days		0%
509	CTC-2100		Soil Replacement (10 layers SRT)			0 days	NA	NA	30 edays	Wed 13/10/21	Fri 12/11/21	NA	NA	510SF	508SF	1412.42 edays		0%
510	CTC-1000		Plate load test at bottom level of base slab (1no.)			5 days	Wed 28/7/21	Thu 12/8/21	5 days	Fri 12/11/21	Wed 17/11/21	NA	NA	500FS-4 days	509SF,511FF-3 emons,512	19 days		0%
511	CTC-2900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Thu 19/8/21	Thu 19/8/21	NA	NA	510FF-3 emons	512SS-3 emons	138 days		0%
512	CTC-3000	KD1J	R.C. structure works			30 days	Tue 14/9/21	Thu 21/10/21	45 days	Thu 18/11/21	Wed 12/1/22	NA	NA	511SS-3 emons,510	513,51FF,514	19 days	1	0%
513	CTC-4000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Thu 21/10/21	Thu 21/10/21	0 days	Wed 12/1/22	Wed 12/1/22	NA	NA	512	51FF	19 days		0%
514	CTC-5000	SW1	ABWF works + BS works			90 days	Fri 22/10/21	Thu 10/2/22	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	189,141,512,522SS	56FF	405 days		0%
515	**CFB-0000**	*	**Fire Hydrant and Booster Pump Room (13)***			**177 days**	**Fri 13/8/21**	**Thu 17/3/22**	**193 days**	**Sat 5/2/22**	**Wed 28/9/22**	**NA**	**NA**			**-28 days**		**0%**
516	CFB-1000		Excavation for Raft Footing (200cu.m)			30 days	Fri 13/8/21	Thu 16/9/21	30 days	Wed 23/2/22	Wed 30/3/22	NA	NA	517SF		1039 days		0%
517	CFB-1100		Soil Replacement (7 layers SRT)			0 days	NA	NA	21 edays	Wed 30/3/22	Wed 20/4/22	NA	NA	518SF	516SF	1253.42 edays		0%
518	CFB-2000		Plate load test (3no.)			14 days	Fri 17/9/21	Tue 5/10/21	14 days	Wed 20/4/22	Sat 7/5/22	NA	NA	520SF	519FF-3 emons,517SF	1011 days		0%
519	CFB-2900		Receiving of Civil Requirements from PM			0 days	NA	NA	1 day	Sat 5/2/22	Sun 6/2/22	NA	NA	518FF-3 emons		1083 days		0%
520	CFB-3000	KD1J	R.C. structure works			30 days	Fri 22/10/21	Thu 25/11/21	30 days	Sat 7/5/22	Mon 13/6/22	NA	NA	475FF	521,522,51FF,518SF	-101 days	1	0%
521	CFB-4000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	Thu 25/11/21	Thu 25/11/21	0 days	Mon 13/6/22	Mon 13/6/22	NA	NA	520,475FF	51FF	-101 days		0%
522	CFB-5000	SW1	ABWF works + BS works			90 days	Fri 26/11/21	Thu 17/3/22	90 days	Tue 14/6/22	Wed 28/9/22	NA	NA	520,189,141	56FF,514SS,504SS,488SS,460SS	405 days		0%
523	**CDS1-0000**		**Deodorization System No.1 (6)***			**64 days**	**NA**	**NA**	**105 days**	**Tue 10/5/22**	**Tue 13/9/22**	**NA**	**NA**			**418 days**		**0%**
524	CDS1-1000		Excavation for Raft Footing (400cu.m)			20 days	NA	NA	20 days	Wed 8/6/22	Thu 30/6/22	NA	NA	522	525	420 days		0%
525	CDS1-1080		Plate load test at bottom level of compacted generall fill(2no.)			10 days	NA	NA	10 days	Sat 2/7/22	Wed 13/7/22	NA	NA	524	526	420 days		0%
526	CDS1-1100		Soil Replacement (7 layers SRT)			0 days	NA	NA	21 edays	Wed 13/7/22	Wed 3/8/22	NA	NA	525	527	513.58 edays		0%
527	CDS1-2000		Plate load test at bottom level of base slab (1no.)			4 days	NA	NA	4 days	Thu 4/8/22	Mon 8/8/22	NA	NA	526	529,528FF-3 emons	418 days		0%
528	CDS1-2900		Receiving of Civil Requirements from PM			0 days	NA	NA	0 days	Tue 10/5/22	Tue 10/5/22	NA	NA	527FF-3 emons	529SS-3 emons	523 days		0%
529	CDS1-3000	SW1	Footing works			30 days	NA	NA	30 days	Tue 9/8/22	Tue 13/9/22	NA	NA	527,528SS-3 emons	530,56FF	418 days		0%
530	CDS1-4000	SW1	Allow access to Contractor DE/2018/04 for E&M installation and T&C works			0 days	NA	NA	0 days	Tue 13/9/22	Tue 13/9/22	NA	NA	529	56FF	418 days		0%
531	**CAA-0000**	*	**Additional and Alternation Works for Existing Facilities (B-7A, B-8, B-8A)**			**662 days**	**Wed 29/1/20**	**Fri 22/4/22**	**918 days**	**Mon 1/6/20**	**Thu 6/7/23**	**Mon 1/6/20**	**NA**			**269 days**		**64%**



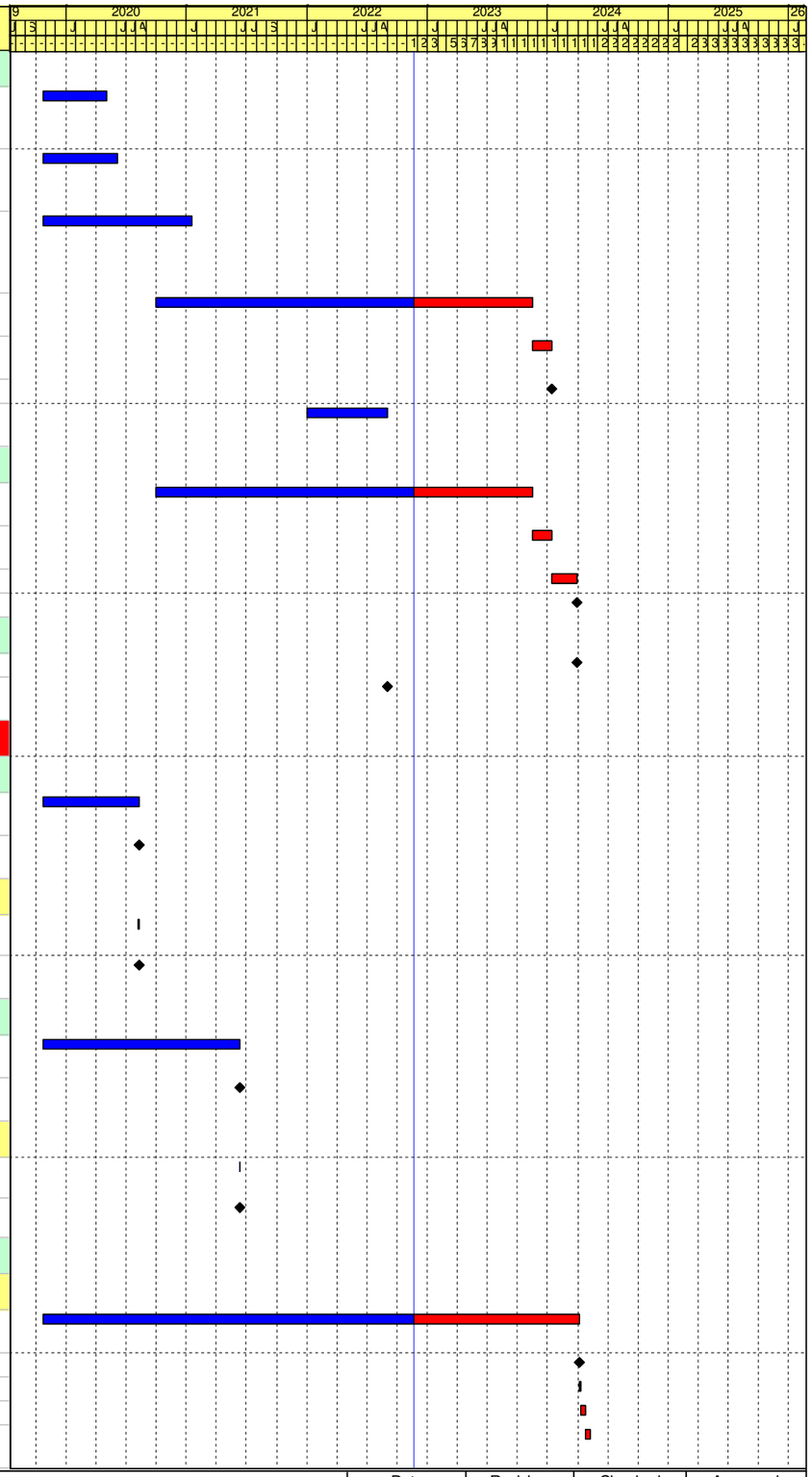
ID	Activity ID	Key Date	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Baseline Duration	Baseline Start	Baseline Finish	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete
532	**CAA-1000**	**KD2B**	**B-8A Alternation works for existing Air Blower House No.2 (Pipeline CHTA, approx. 133m DN800 D.I.)**			**180 days**	**Wed 29/1/20**	**Thu 3/9/20**	**246 days**	**Mon 1/6/20**	**Fri 26/3/21**	**Mon 1/6/20**	**Fri 26/3/21**	**15,142,184**	**53FF**	**0 days**		**100%**
533	CAA-1100		Change of pipe bridge design		(057)	0 days	NA	NA	135 days	Mon 1/6/20	Tue 10/11/20	Mon 1/6/20	Tue 10/11/20		536,537,538	0 days		100%
534	CAA-1200		Additional inspection pit to verilify the connection point to existing (CE xxx)			0 days	NA	NA	135 days	Mon 1/6/20	Tue 10/11/20	Mon 1/6/20	Tue 10/11/20		536,537,538	0 days		100%
535	CAA-1300		Additional MBV installation (CE xxx)			0 days	NA	NA	135 days	Mon 1/6/20	Tue 10/11/20	Mon 1/6/20	Tue 10/11/20		536,537,538	0 days		100%
536	CAA-1400		Alternation works for existing Air Blower House No.2 (Pipeline CHTA, approx. 133m DN800 D.I.)			180 days	Wed 29/1/20	Thu 3/9/20	111 days	Wed 11/11/20	Fri 26/3/21	Wed 11/11/20	Fri 26/3/21	533,534,535	53FF	0 days		100%
537	CAA-1500	KD2B	Re-alignmnet of DN800 Temporary Air Main (CHTA) and Provision of FRP Staircases		064	0 days	NA	NA	111 days	Wed 11/11/20	Fri 26/3/21	Wed 11/11/20	Fri 26/3/21	533,534,535	53FF	0 days		100%
538	CAA-1600	KD2B	Elevated Section of DN800 Temporary Air Main (CHTA) across existing Bioreactor's Distibution Chamber No. 2		062	0 days	NA	NA	111 days	Wed 11/11/20	Fri 26/3/21	Wed 11/11/20	Fri 26/3/21	533,534,535	53FF,539	0 days		100%
539	CAA-2000	KD1I	B7-A Alternation works for existing Power House			122 days	Fri 4/9/20	Sat 30/1/21	0 days	Wed 11/11/20	Fri 29/1/21	Wed 11/11/20	Fri 29/1/21	13FS-1 day,122,160,162,176,538	50FF,540FS+356 days	0 days		100%
540	CAA-2100	SW3	Additional works for Power House		224	0 days	NA	NA	60 days	Thu 14/4/22	Wed 29/6/22	NA	NA	539FS+356 days	58FF	570 days		0%
541	CAA-3000	SW3	Alternation works for existing Membrane Facilities Building No.1			360 days	Mon 1/2/21	Fri 22/4/22	360 days	Tue 19/4/22	Thu 6/7/23	NA	NA	14FS-1 day,175	58FF	269 days		0%
542	**CUU-0000**	*	**External Underground Service, Utilities, Road/Drain**			**1091 days**	**Mon 24/2/20**	**Sat 28/10/23**	**1192 days**	**Mon 27/4/20**	**Mon 13/5/24**	**Mon 27/4/20**	**NA**	**16**		**-88 days**		**46%**
543	CUU-1000	KD2A	Process Pipes CHR and CHS (approx. 93m twin DN900 D.I.)		33, 222, 255	325 days	Mon 24/2/20	Sat 27/3/21	379 days	Mon 27/4/20	Wed 4/8/21	Mon 27/4/20	NA	184,142	554SS+48 days,552SS+48 days,55	-39 days		99%
544	CUU-1000a		Special Treatment for Removing the Existing Abandoned DN1800 By-pass Pipe and the Concrete Mass in Conflict with the Proposed Sheetpile wall for trenching work of Process Pipeline CHR and CHS		33	0 days	NA	NA	54 days	Sat 30/5/20	Mon 3/8/20	Sat 30/5/20	Mon 3/8/20			0 days		100%
545	CUU-1000b		Trenchless work for Process Pipes CHR and CHS (approx. 7m twin DN900 D.I.)		255	0 days	NA	NA	60 days	Thu 25/2/21	Mon 10/5/21	Thu 25/2/21	Mon 10/5/21		52FF	0 days		100%
546	CUU-1001		Removal of Abandoned DN1800 Concrete Pipe and Concrete Mass near Existing UV Disinfection Channel at CHR & CHS Process Pipe Works Area		033	0 days	NA	NA	43 days	Thu 2/7/20	Thu 20/8/20	Thu 2/7/20	Thu 20/8/20			0 days		100%
547	CUU-1002		Grouting for Sheung Shui Slaughter House Boundary Walls along CHR & CHS Pipes Works Area		222	0 days	NA	NA	20 days	Fri 23/10/20	Mon 16/11/20	Fri 23/10/20	Mon 16/11/20			0 days		100%
548	CUU-1004		Delay Delivery of DI pipes due to COVID-19		(076)	0 days	NA	NA	75 days	Tue 22/12/20	Thu 25/3/21	Tue 22/12/20	Thu 25/3/21		549FF	0 days		100%
549	CUU-2000	SW2	Process Pipes, including CHT, CHX, CHY, CHPS1&2, CHS S1&2, CHDO 1&2, CHPSW 1-8, CHTPS, CHPT1&2, CHTFT 1&2, CHTE, CHTD, Foam Collection & Surplus activated sludge rising main pipe			550 days	Mon 29/6/20	Fri 6/5/22	457 days	Mon 19/10/20	Fri 6/5/22	Mon 19/10/20	NA	184,142,548FF,543SS+48 days	57FF,555,550SS+250 days	63 days		51%
550	CUU-2100	SW2	Remaining Process Pipes			0 days	NA	NA	270 days	Mon 23/8/21	Fri 22/7/22	NA	NA	549SS+250 days	57FF	0 days		0%
551	CUU-3000	SW2	Remaining Drainage			550 days	Mon 29/6/20	Fri 6/5/22	520 days	Mon 19/10/20	Fri 22/7/22	Mon 19/10/20	NA	184,142	555,57FF	0 days	5	45%
552	CUU-4000	SW2	Remaining Sewerage			550 days	Mon 29/6/20	Fri 6/5/22	520 days	Mon 19/10/20	Fri 22/7/22	Mon 19/10/20	NA	184,142,543SS+48 days	555,57FF	0 days	5	45%
553	CUU-5000	SW2	Remaining Waterworks			550 days	Mon 29/6/20	Fri 6/5/22	520 days	Mon 19/10/20	Fri 22/7/22	Mon 19/10/20	NA	184,142,543SS+48 days	557FS+2 days,57FF	0 days	5	45%
554	CUU-6000	SW2	Remaining Cable Ducts			550 days	Mon 29/6/20	Fri 6/5/22	520 days	Mon 19/10/20	Fri 22/7/22	Mon 19/10/20	NA	184,142,543SS+48 days	555,57FF	0 days	5	45%
555	CUU-7000	KD3A	Roadworks			540 days	Fri 31/12/21	Sat 28/10/23	440 days	Mon 7/11/22	Mon 13/5/24	NA	NA	554,551,552,549,352,399,334,433	54FF,558SS+123 days	-88 days	5	0%
556	**CLW-0000**	*	**Landscaping Works**			**854 days**	**Wed 11/5/22**	**Thu 27/3/25**	**946 days**	**Tue 26/7/22**	**Wed 24/9/25**	**NA**	**NA**	**16**		**0 days**		**0%**
557	CLW-1000	KD3A	Irrigation System			120 days	Wed 11/5/22	Fri 30/9/22	120 days	Tue 26/7/22	Thu 15/12/22	NA	NA	553FS+2 days,184	558,54FF	1 day		0%
558	CLW-2000	SW3	Hard Landscaping Works			220 days	Mon 3/10/22	Mon 3/7/23	214 days	Tue 11/4/23	Sat 23/12/23	NA	NA	557,555SS+123 days	559,58FF	-88 days	5	0%
559	CLW-3000	SW3	Soft Landscaping Works			220 days	Tue 4/7/23	Tue 26/3/24	214 days	Wed 27/12/23	Tue 24/9/24	NA	NA	558,143	560,58FF	-88 days	5	0%
560	CLW-4000	DLP	Establishment Works (365 days)			294 days	Wed 27/3/24	Thu 27/3/25	365 days	Wed 25/9/24	Wed 24/9/25	NA	NA	559,143	59FF,60FF	0 days	5	0%



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
SWH - Main Works Stage 1 Sidestream Treatment Facilities & E&M Works for Slu		2015	11-Oct-19 A	16-Apr-25	31-Oct-21	16-Apr-25	0		
Contract Data		2015	11-Oct-19 A	16-Apr-25	20-Mar-22	16-Apr-25	0		
Starting Date & Completion Date		2015	11-Oct-19 A	16-Apr-25	20-Mar-22	16-Apr-25	0		
CD1000	Contract Date (LOA)	0	11-Oct-19 A		20-Mar-22				CD1010, S1P1000,
CD1010	Starting Date	0	23-Oct-19 A		20-Mar-22			CD1000	S1D1040, AD1050,
CD1020	Whole Contract Period (1626 days from starting date)	1626	23-Oct-19 A	04-Apr-24	21-Nov-22	04-Apr-24	0	CD1010	CD1040, CD1030
CD1030	Extension of Time Granted (Total 61.5days)	62	05-Apr-24	05-Jun-24*	05-Apr-24	05-Jun-24	0	CD1020	CD1040
CD1040	Completion Date for the whole of the Works	0		16-Apr-25		16-Apr-25	0	CD1020, CD1010,	
Access Date		1434	23-Oct-19 A	21-Nov-22	20-Mar-22	16-Apr-25	877		
AD1000	Portion C-1A (within 480 to 550 days from starting date)	550	23-Oct-19 A	24-Apr-21 A	12-Oct-22	12-Oct-22		CD1010	AD1010
AD1010	Planned Access Date for Portion C-1A (Partial Access)	1	24-Apr-21 A	24-Apr-21 A	12-Oct-22	12-Oct-22		CD1010, AD1000	PL1470, S4C1010
AD1020	Planned Access Date for Portion C-1A (Access for Remaining Area)	1	12-May-21 A	12-May-21 A	12-Oct-22	12-Oct-22			S4C1010
AD1030	Portion C-2A (within 705 to 795 days from starting date) (SS by NCE-NCE-288, within 705 to 831 days from starting date)	831	23-Oct-19 A	30-Jan-22 A	16-Apr-25	16-Apr-25		CD1010	AD1040
AD1040	Planned Access Date for Portion C-2A	1	09-Sep-22 A	09-Sep-22 A	16-Apr-25	16-Apr-25		CD1010, AD1030	
AD1050	Portion C-2B (within 765 to 855 days from starting date) (SS by NCE-NCE-286, within 765 to 880 days from starting date)	880	23-Oct-19 A	20-Mar-22 A	20-Mar-22	20-Mar-22		CD1010	AD1060
AD1060	Planned Access Date for Portion C-2B	1	21-Nov-22	21-Nov-22*	20-Mar-22	20-Mar-22	-246	CD1010, AD1050	S5CHPC1020
AD1070	Portion C-2C (within 715 to 805 days from starting date) (SS by NCE-NCE-287, within 715 to 934 days from starting date)	934	23-Oct-19 A	13-May-22 A	13-May-22	13-May-22		CD1010	AD1080
AD1080	Planned Access Date for Portion C2-C	1	21-Nov-22	21-Nov-22*	13-May-22	13-May-22	-192	CD1010, AD1070	S5DIGC1040, S5DIGC1210, S5DIGC1030
AD1090	Portion C-2D (within 825 to 945 days from starting date)	945	23-Oct-19 A	24-May-22 A	24-May-22	24-May-22		CD1010	AD1100
AD1100	Planned Access Date for Portion C-2D	1	21-Nov-22	21-Nov-22*	24-May-22	24-May-22	-181	AD1090	S5BIOC1020, S5BIOC1030,
AD1110	Portion C-3 (within 615 to 705 days from starting date) (SS by NCE-NCE-273, within 615 to 815 days from starting date)	815	23-Oct-19 A	31-Dec-21 A	03-Aug-22	03-Aug-22		CD1010	AD1120
AD1120	Planned Access Date for Portion C-3 (SS by NCE-NCE-273)	1	31-Dec-21 A	31-Dec-21 A	03-Aug-22	03-Aug-22		AD1110, S2D1110	KD1060, S5WS2C1000, S5WS2C1010, KD1060-1
AD1130	Portion B-1 (within 285 to 345 days from starting date)	345	23-Oct-19 A	30-Sep-20 A	01-Sep-22	01-Sep-22		CD1010	AD1140
AD1140	Planned Access Date for Portion B-1	1	30-Sep-20 A	30-Sep-20 A	01-Sep-22	01-Sep-22		AD1130	KD1030, S3C1020,
AD1150	Portion B-2a (within 615 to 705 days from starting date) (SS by NCE-NCE-219, within 771 to 891 days from starting date)	891	23-Oct-19 A	23-Mar-22 A	03-Dec-22	03-Dec-22		CD1010	AD1160
AD1160	Planned Access Date for Portion B-2a (SS by NCE-NCE-219)	1	23-Mar-22 A	23-Mar-22 A	03-Dec-22	03-Dec-22		AD1150	S5SASC1010, S5SASC1000
AD1170	Portion B-2b (within 615 to 705 days from starting date) (SS by NCE-NCE-219)	705	23-Oct-19 A	24-Sep-21 A	16-Apr-25	16-Apr-25			
AD1180	Planned Access Date for Portion B-2b (SS by NCE-NCE-219)	1	24-Sep-21 A	24-Sep-21 A	16-Apr-25	16-Apr-25			
AD1190	Works Area WA1-B (starting date)	1	23-Oct-19 A	23-Oct-19 A	05-Jul-22	05-Jul-22		CD1010	AD1200
AD1200	Planned Access Date for Works Area WA1-B	1	23-Oct-19 A	23-Oct-19 A	05-Jul-22	05-Jul-22		CD1010, AD1190	PL1000, PL1020
AD1210	Works Area WA3 (starting date)	1	23-Oct-19 A	23-Oct-19 A	03-Oct-23	03-Oct-23		CD1010	AD1220
AD1220	Planned Access Date for Works Area WA3	1	23-Oct-19 A	23-Oct-19 A	03-Oct-23	03-Oct-23		CD1010, AD1210	PL1000, PL1030
Key Dates		1620	23-Oct-19 A	29-Mar-24	17-Nov-22	16-Apr-25	384		



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Contractual Completion (Include Implemented CE)		1546	23-Oct-19 A	15-Jan-24	21-Nov-22	16-Apr-25	458		
KD1000	KD1A Submission of Civil Requirement Dwgs, Elec. Schematic Dwgs of UV System No.1 and Effluent Pumping Station No.1	196	23-Oct-19 A	05-May-20 A	15-Feb-23	15-Feb-23		CD1010, S1D1040, S1D1100	CD1040, S4P1040
KD1010	KD2A Submission of Civil Requirement Dwgs, Elec. Schematic Dwgs of SD Bldg, SD & DC, CHP Bldg, Workshop No.2, etc.	226	23-Oct-19 A	04-Jun-20 A	16-Apr-25	16-Apr-25		CD1010, S2D1080, S2D1160	KD1020
KD1020	KD2B Submission of Remaining Civil Requirement Dwgs, Elec. Schematic Dwgs of SD Bldg, SD & DC, CHP Bldg, etc.	461	23-Oct-19 A	16-Jan-21 A	16-Apr-25	16-Apr-25		CD1010, S2D1120, S2D1220, KD1010	SC21110
KD1030	KD3A Completion of Phase 1 Commissioning of Sidestream Treatment Facilities (1140d after Portion B-1 Access)	1141	30-Sep-20 A	14-Nov-23*	21-Nov-22	14-Nov-23	0	AD1140	KD1040
KD1040	Extension of Time Granted for KD3A (Total 61.5days)	62	15-Nov-23	15-Jan-24	15-Nov-23	15-Jan-24	0	KD1030	SC31110, KD1050
KD1050	Revised Completion Date for KD3A	0		15-Jan-24*		15-Jan-24	0	KD1040	
KD1060	KD5A - Completion of BS Fitting at CLP Sub-Station at Workshop No.2 (245d after Portion C-3 Access)(Impacted by NCE-273)	246	31-Dec-21 A	02-Sep-22 A	16-Apr-25	16-Apr-25		AD1120, S5WS2C1010	
Expected Completion (Include Non-implemented CE)		1225	30-Sep-20 A	29-Mar-24	17-Nov-22	25-Mar-24	-4		
KD1030-1	KD3A Completion of Phase 1 Commissioning of Sidestream Treatment Facilities (1140d after Portion B-1 Access)	1141	30-Sep-20 A	14-Nov-23*	17-Nov-22	10-Nov-23	-4	AD1140	KD1040-1
KD1040-1	Extension of Time Granted for KD3A (Total 61.5days)	62	15-Nov-23	15-Jan-24	11-Nov-23	11-Jan-24	-4	KD1030-1	SC31110, KD1045
KD1045	Extension of Time for KD3A - Non-implemented (Total 74days)	74	15-Jan-24	29-Mar-24	11-Jan-24	25-Mar-24	-4	KD1040-1	KD1050-1
KD1050-1	Expected Completion Date for KD3A	0		29-Mar-24*		25-Mar-24	-4	KD1045	
Planned Completion		543	02-Sep-22 A	29-Mar-24	15-Jan-24	16-Apr-25	384		
KD1050-2	Planned Completion Date for KD3A	0		29-Mar-24*		15-Jan-24	-74	S3T1115	SC31110
KD1060-1	Planned Completion Date for KD5A	0		02-Sep-22 A		16-Apr-25		AD1120, S5WS2C1010	
Completion Date		2003	23-Oct-19 A	16-Apr-25	21-Nov-22	16-Apr-25	0		
Section 1 - Complete All Design at UV System No.1 & EP Station No. 1		312	23-Oct-19 A	08-Aug-20 A	16-Apr-25	16-Apr-25			
SC11000	Contract Duration of Section 1	291	23-Oct-19 A	08-Aug-20 A	16-Apr-25	16-Apr-25		CD1010	SC11100
SC11100	Completion date - Section 1 (290 days after starting date)	0		08-Aug-20 A		16-Apr-25		SC11000	SC11120
Time Risk Allowance and Planned Completion		1	08-Aug-20 A	08-Aug-20 A	16-Apr-25	16-Apr-25			
SC11110	Time Risk Allowance for Section 1	1	08-Aug-20 A	08-Aug-20 A	16-Apr-25	16-Apr-25		S1P1000, S1P1040,	SC11120
SC11120	Planned Completion for Section 1	0		08-Aug-20 A		16-Apr-25		SC11110, SC11100	CD1040
Section 2 - Complete All Designs (exclude Sec. 1 & 3)		632	23-Oct-19 A	11-Jun-21 A	16-Apr-25	16-Apr-25			
SC21000	Contract Duration of Section 2	601	23-Oct-19 A	11-Jun-21 A	16-Apr-25	16-Apr-25		CD1010	SC21100
SC21100	Completion date - Section 2 (600 days after starting date)	0		11-Jun-21 A		16-Apr-25		SC21000	SC21120
Time Risk Allowance and Planned Completion		9	11-Jun-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25			
SC21110	Time Risk Allowance for Section 2	6	11-Jun-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2P1000, S2P1010,	SC21120
SC21120	Planned Completion for Section 2	0		11-Jun-21 A		16-Apr-25		SC21110, SC21100,	CD1040
Section 3 - Complete Design, Construction & T&C for Sidestream Facilities		2003	23-Oct-19 A	16-Apr-25	21-Nov-22	16-Apr-25	0		
Contractual Completion (Include Implemented CE)		1688	23-Oct-19 A	05-Jun-24	21-Nov-22	05-Jun-24	0		
SC31000	Contract Duration of Section 3	1626	23-Oct-19 A	04-Apr-24	21-Nov-22	04-Apr-24	0		SC31001
SC31001	Completion date - Section 3 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	0	SC31000	SC31002
SC31002	NICE-CNE-0248 - Inclement Weather (May 2021) - 5days (Implemented)	5	05-Apr-24	09-Apr-24	05-Apr-24	09-Apr-24	0	SC31001	SC31003
SC31003	NICE-CNE-0256 Inclement Weather (June 2021) - 14.5days (Implemented)	15	10-Apr-24	24-Apr-24	10-Apr-24	24-Apr-24	0	SC31002	SC31005
SC31005	NICE-CNE-0264 Inclement Weather (July 2021) - 15days (Implemented)	15	24-Apr-24	09-May-24	24-Apr-24	09-May-24	0	SC31003	SC31100, SC31006

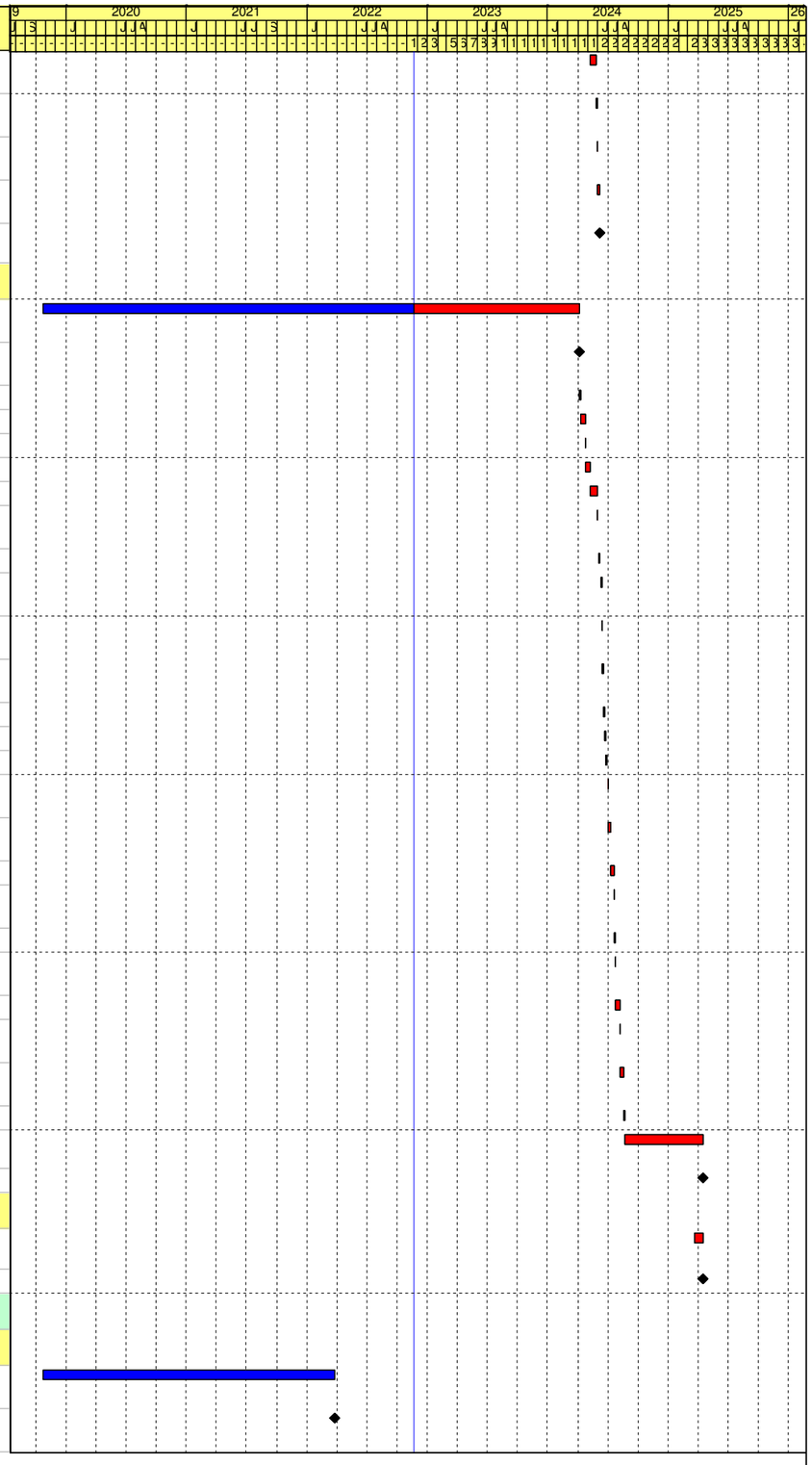


Remaining Work
Critical Activity
Milestone
Actual Progress

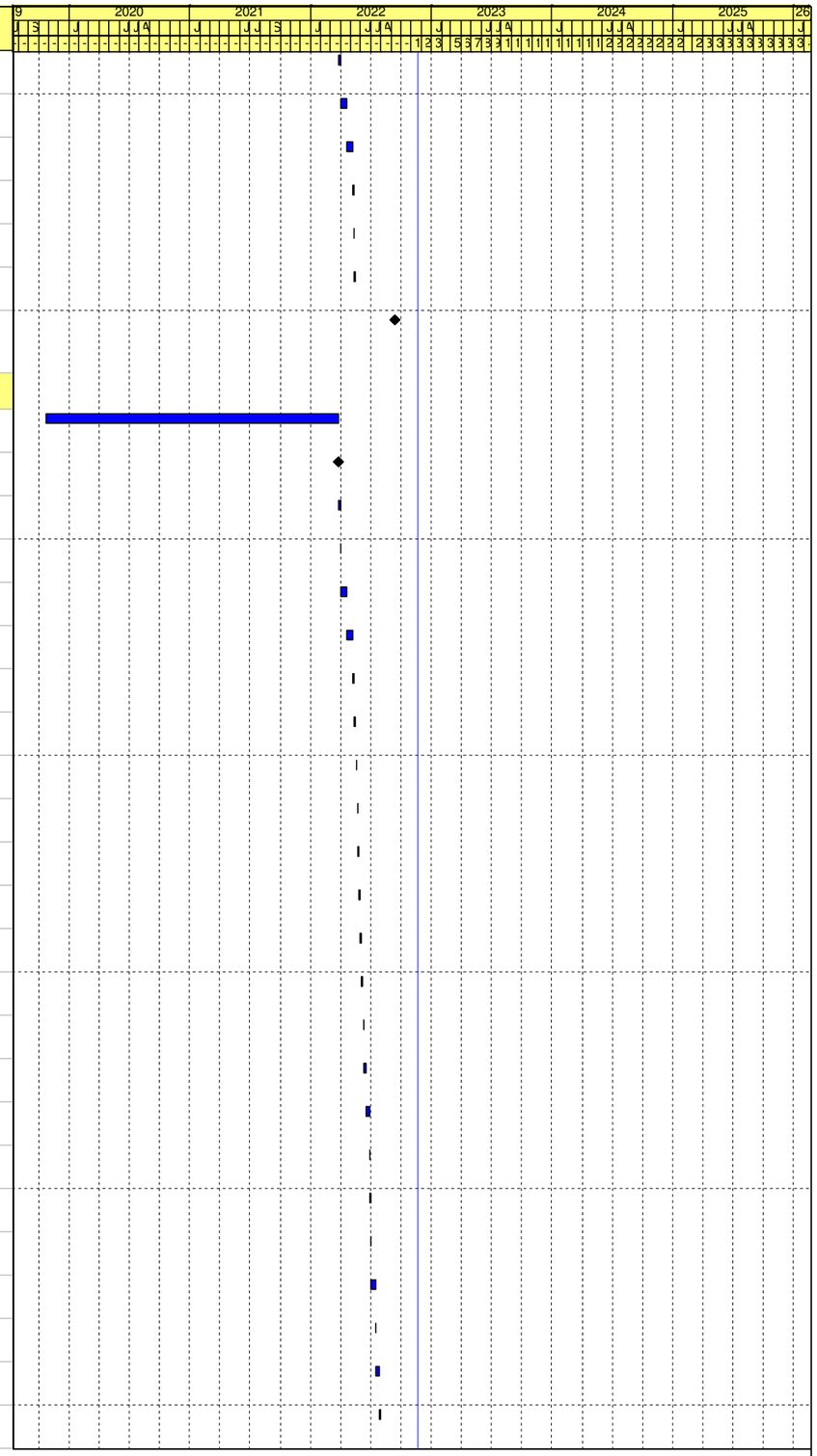
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
SC31006	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	09-May-24	28-May-24	09-May-24	28-May-24	0	SC31005	SC31100, SC31007
SC31007	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	28-May-24	31-May-24	28-May-24	31-May-24	0	SC31006	SC31010
SC31010	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	01-Jun-24	01-Jun-24	01-Jun-24	01-Jun-24	0	SC31007	SC31011
SC31011	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	01-Jun-24	05-Jun-24	01-Jun-24	05-Jun-24	0	SC31010	SC31100
SC31100	Revised Completion for Section 3	0		05-Jun-24*		05-Jun-24	0	SC31005, SC31006,	
Expected Completion (Include Non-implemented CE)		2003	23-Oct-19 A	16-Apr-25	21-Nov-22	16-Apr-25	0		
SC31000-1	Contract Duration of Section 3	1626	23-Oct-19 A	04-Apr-24	21-Nov-22	04-Apr-24	0	CD1010	SC31001-1
SC31001-1	Completion date - Section 3 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	0	SC31000-1	SC31110, SC31002-1
SC31002-1	NICE-CNE-0248 - Inclement Weather (May 2021) - 5days (Implemented)	5	05-Apr-24	09-Apr-24	05-Apr-24	09-Apr-24	0	SC31001-1	SC31003-1
SC31003-1	NICE-CNE-0256 Inclement Weather (June 2021) - 14.5days (Implemented)	15	10-Apr-24	24-Apr-24	10-Apr-24	24-Apr-24	0	SC31002-1	SC31004-1
SC31004-1	CNE-007 Black and Red Rainstorm Warning (June 2021) - 1day	1	24-Apr-24	25-Apr-24	24-Apr-24	25-Apr-24	0	SC31003-1	SC31005-1
SC31005-1	NICE-CNE-0264 Inclement Weather (July 2021) - 15days (Implemented)	15	25-Apr-24	10-May-24	25-Apr-24	10-May-24	0	SC31004-1	SC31006-1
SC31006-1	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	10-May-24	29-May-24	10-May-24	29-May-24	0	SC31005-1	SC31007-1
SC31007-1	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	29-May-24	01-Jun-24	29-May-24	01-Jun-24	0	SC31006-1	SC31008-1
SC31008-1	CNE-019 Inclement Weather (October 2021) - 7days	7	02-Jun-24	08-Jun-24	02-Jun-24	08-Jun-24	0	SC31007-1	SC31009-1
SC31009-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	09-Jun-24	12-Jun-24	09-Jun-24	12-Jun-24	0	SC31008-1	SC31010-1
SC31010-1	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	13-Jun-24	13-Jun-24	13-Jun-24	13-Jun-24	0	SC31009-1	SC31011-1
SC31011-1	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	13-Jun-24	17-Jun-24	13-Jun-24	17-Jun-24	0	SC31010-1	SC31012-1
SC31012-1	CNE-036 Inclement Weather (January 2022) - 4days	4	17-Jun-24	21-Jun-24	17-Jun-24	21-Jun-24	0	SC31011-1	SC31013-1
SC31013-1	CNE-040 Inclement Weather (February 2022) - 5days	5	21-Jun-24	26-Jun-24	21-Jun-24	26-Jun-24	0	SC31012-1	SC31014-1
SC31014-1	CNE-044 Inclement Weather (March 2022) - 4.5days	5	26-Jun-24	30-Jun-24	26-Jun-24	30-Jun-24	0	SC31013-1	SC31015-1
SC31015-1	CNE-048 Inclement Weather (April 2022) - 2days	2	01-Jul-24	02-Jul-24	01-Jul-24	02-Jul-24	0	SC31014-1	SC31099-1, SC31016-1
SC31016-1	CNE-050 Inclement Weather (May 2022) - 8days	8	03-Jul-24	10-Jul-24	03-Jul-24	10-Jul-24	0	SC31015-1	SC31099-1, SC31017-1
SC31017-1	CNE-052 Inclement Weather (June 2022) - 9days	9	11-Jul-24	19-Jul-24	11-Jul-24	19-Jul-24	0	SC31016-1	SC31018-1
SC31018-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 1day	1	20-Jul-24	20-Jul-24	20-Jul-24	20-Jul-24	0	SC31017-1	SC31099-1, SC31019-1
SC31019-1	CNE-054 Inclement Weather (July 2022) - 4days	4	21-Jul-24	24-Jul-24	21-Jul-24	24-Jul-24	0	SC31018-1	SC31020-1
SC31020-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	25-Jul-24	25-Jul-24	25-Jul-24	25-Jul-24	0	SC31019-1	SC31099-1, SC31021-1
SC31021-1	CNE-056 Inclement Weather (August 2022) - 13.5days	14	26-Jul-24	08-Aug-24	26-Jul-24	08-Aug-24	0	SC31020-1	SC31022-1
SC31022-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	08-Aug-24	09-Aug-24	08-Aug-24	09-Aug-24	0	SC31021-1	SC31099-1, SC31023-1
SC31023-1	CNE-058 Inclement Weather (September 2022) - 8days	8	09-Aug-24	17-Aug-24	09-Aug-24	17-Aug-24	0	SC31022-1	SC31099-1, SC31024-1
SC31024-1	CNE-059 Inclement Weather (October 2022) - 4days	4	17-Aug-24	21-Aug-24	17-Aug-24	21-Aug-24	0	SC31023-1	SC31099-1
SC31099-1	EWN-0314 Extention of Time for change of access date	239	21-Aug-24	16-Apr-25	21-Aug-24	16-Apr-25	0	SC31015-1, SC31016-1,	SC31100-1
SC31100-1	Expected Completion for Section 3	0		16-Apr-25*		16-Apr-25	0	SC31099-1	
Time Risk Allowance and Planned Completion		26	22-Mar-25	16-Apr-25	10-May-24	05-Jun-24	-316		
SC31110	Time Risk Allowance for Section 3	26	22-Mar-25	16-Apr-25	10-May-24	05-Jun-24	-316	SC31001-1, S3C1160,	SC31120
SC31120	Planned Completion for Section 3	0		16-Apr-25*		05-Jun-24	-316	SC31110	CD1040
Section 4 - Complete Construction & T&C for UV System No.1 & EP Station No. 1		1133	23-Oct-19 A	13-Sep-22 A	16-Apr-25	16-Apr-25			
Contractual Completion (Include Implemented CE)		1094	23-Oct-19 A	13-Sep-22 A	16-Apr-25	16-Apr-25			
SC41000	Contract Duration of Section 4	886	23-Oct-19 A	26-Mar-22 A	16-Apr-25	16-Apr-25			SC41001
SC41001	Completion date - Section 4 (885 days after starting date)	0		26-Mar-22 A		16-Apr-25		SC41000	SC41002



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
SC41002	NICE-CNE-0256 Inclement Weather (June 2021) - 6.5days (Implemented)	7	27-Mar-22 A	02-Apr-22 A	16-Apr-25	16-Apr-25		SC41001	SC41004
SC41004	NICE-CNE-0264 Inclement Weather (July 2021) - 19days (Implemented)	19	02-Apr-22 A	21-Apr-22 A	16-Apr-25	16-Apr-25		SC41002	SC41100, SC41005
SC41005	NICE-CNE-0292 Inclement Weather (August 2021) - 16days (Implemented)	16	21-Apr-22 A	07-May-22 A	16-Apr-25	16-Apr-25		SC41004	SC41100, SC41006
SC41006	NICE-CNE-0293 Inclement Weather (September 2021) - 4.5days (Implemented)	5	07-May-22 A	11-May-22 A	16-Apr-25	16-Apr-25		SC41005	SC41009
SC41009	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	12-May-22 A	12-May-22 A	16-Apr-25	16-Apr-25		SC41006	SC41010
SC41010	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	12-May-22 A	16-May-22 A	16-Apr-25	16-Apr-25		SC41009	SC41100
SC41100	Revised Completion for Section 4	0		13-Sep-22 A		16-Apr-25		SC41004, SC41005, SC41010	
Expected Completion (Include Non-implemented CE)		1129	23-Oct-19 A	13-Sep-22 A	16-Apr-25	16-Apr-25			
SC41000-1	Contract Duration of Section 4	886	23-Oct-19 A	26-Mar-22 A	16-Apr-25	16-Apr-25		CD1010	SC41001-1
SC41001-1	Completion date - Section 4 (885 days after starting date)	0		26-Mar-22 A		16-Apr-25		SC41000-1	SC41110, SC41002-1
SC41002-1	NICE-CNE-0256 Inclement Weather (June 2021) - 6.5days (Implemented)	7	27-Mar-22 A	02-Apr-22 A	16-Apr-25	16-Apr-25		SC41001-1	SC41004-1, SC41003-1
SC41003-1	CNE-007 Black and Red Rainstorm Warning (June 2021) - 1day	1	02-Apr-22 A	03-Apr-22 A	16-Apr-25	16-Apr-25		SC41002-1	SC41004-1
SC41004-1	NICE-CNE-0264 Inclement Weather (July 2021) - 19days (Implemented)	19	03-Apr-22 A	22-Apr-22 A	16-Apr-25	16-Apr-25		SC41002-1, SC41003-1	SC41005-1
SC41005-1	NICE-CNE-0292 Inclement Weather (August 2021) - 16days (Implemented)	16	22-Apr-22 A	08-May-22 A	16-Apr-25	16-Apr-25		SC41004-1	SC41006-1
SC41006-1	NICE-CNE-0293 Inclement Weather (September 2021) - 4.5days (Implemented)	5	08-May-22 A	12-May-22 A	16-Apr-25	16-Apr-25		SC41005-1	SC41007-1
SC41007-1	CNE-019 Inclement Weather (October 2021) - 5days	5	13-May-22 A	17-May-22 A	16-Apr-25	16-Apr-25		SC41006-1	SC41008-1
SC41008-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	18-May-22 A	21-May-22 A	16-Apr-25	16-Apr-25		SC41007-1	SC41009-1
SC41009-1	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	22-May-22 A	22-May-22 A	16-Apr-25	16-Apr-25		SC41008-1	SC41010-1
SC41010-1	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	22-May-22 A	26-May-22 A	16-Apr-25	16-Apr-25		SC41009-1	SC41011-1
SC41011-1	CNE-036 Inclement Weather (January 2022) - 4days	4	26-May-22 A	30-May-22 A	16-Apr-25	16-Apr-25		SC41010-1	SC41012-1
SC41012-1	CNE-040 Inclement Weather (February 2022) - 5days	5	30-May-22 A	04-Jun-22 A	16-Apr-25	16-Apr-25		SC41011-1	SC41013-1
SC41013-1	CNE-044 Inclement Weather (March 2022) - 4.5days	5	04-Jun-22 A	08-Jun-22 A	16-Apr-25	16-Apr-25		SC41012-1	SC41014-1
SC41014-1	CNE-048 Inclement Weather (April 2022) - 2days	2	09-Jun-22 A	10-Jun-22 A	16-Apr-25	16-Apr-25		SC41013-1	SC41015-1
SC41015-1	CNE-050 Inclement Weather (May 2022) - 8days	8	11-Jun-22 A	18-Jun-22 A	16-Apr-25	16-Apr-25		SC41014-1	SC41100-1, SC41016-1
SC41016-1	CNE-052 Inclement Weather (June 2022) - 9days	9	19-Jun-22 A	27-Jun-22 A	16-Apr-25	16-Apr-25		SC41015-1	SC41017-1
SC41017-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 1day	1	28-Jun-22 A	28-Jun-22 A	16-Apr-25	16-Apr-25		SC41016-1	SC41100-1, SC41018-1
SC41018-1	CNE-054 Inclement Weather (July 2022) - 4days	4	29-Jun-22 A	02-Jul-22 A	16-Apr-25	16-Apr-25		SC41017-1	SC41019-1
SC41019-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	03-Jul-22 A	03-Jul-22 A	16-Apr-25	16-Apr-25		SC41018-1	SC41100-1, SC41020-1
SC41020-1	CNE-056 Inclement Weather (August 2022) - 13.5days	14	04-Jul-22 A	17-Jul-22 A	16-Apr-25	16-Apr-25		SC41019-1	SC41021-1
SC41021-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	17-Jul-22 A	18-Jul-22 A	16-Apr-25	16-Apr-25		SC41020-1	SC41100-1, SC41022-1
SC41022-1	CNE-058 Inclement Weather (September 2022) - 8days	8	18-Jul-22 A	26-Jul-22 A	16-Apr-25	16-Apr-25		SC41021-1	SC41100-1, SC41023-1
SC41023-1	CNE-059 Inclement Weather (October 2022) - 4days	4	26-Jul-22 A	30-Jul-22 A	16-Apr-25	16-Apr-25		SC41022-1	SC41100-1

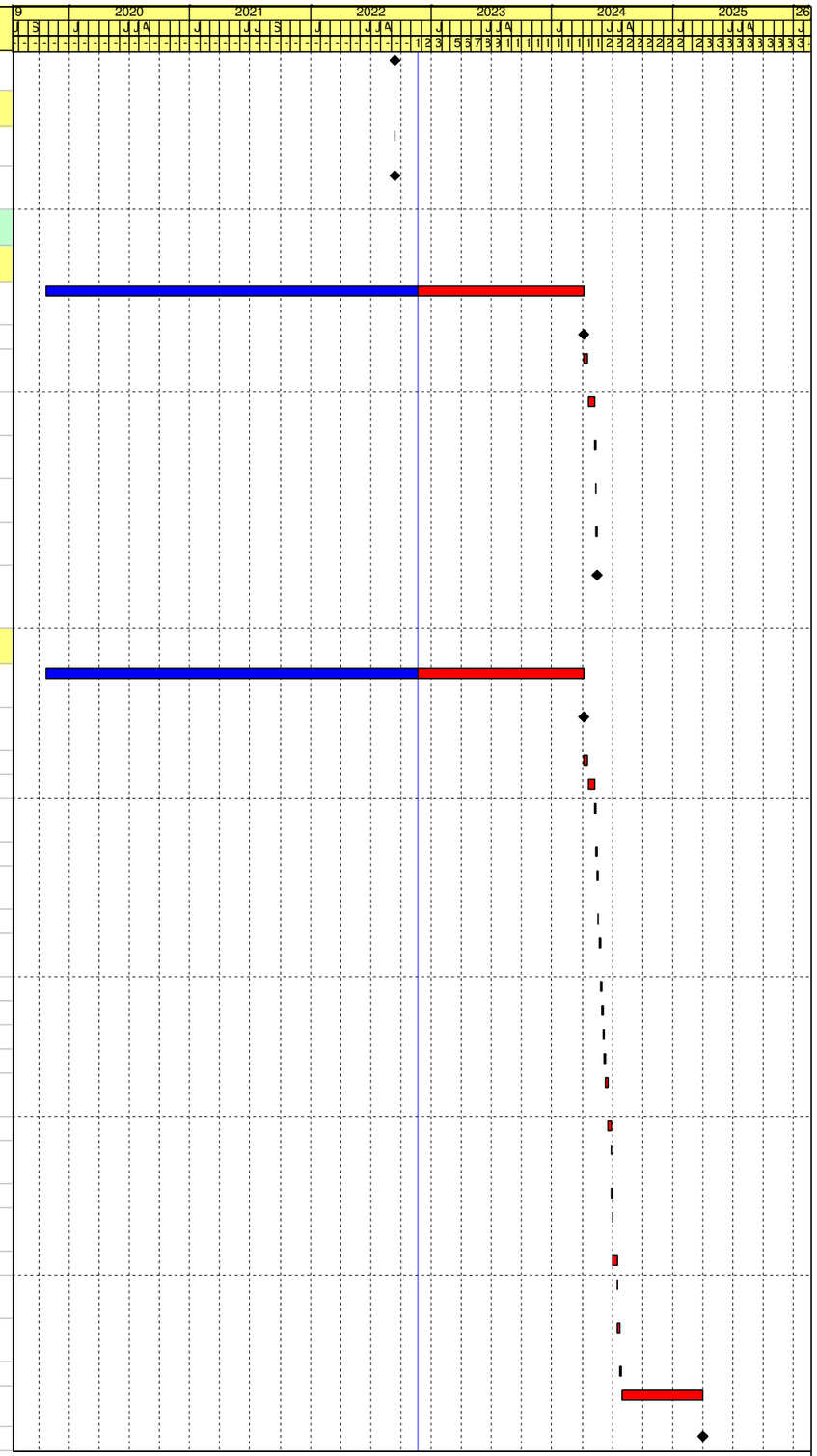


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
SC41100-1	Expected Completion for Section 4	0		13-Sep-22 A		16-Apr-25		SC41015-1, SC41017-1,	
Time Risk Allowance and Planned Completion		7	13-Sep-22 A	13-Sep-22 A	16-Apr-25	16-Apr-25			
SC41110	Time Risk Allowance for Section 4	7	13-Sep-22 A	13-Sep-22 A	16-Apr-25	16-Apr-25		SC41001-1, S4C1100,	SC41120
SC41120	Planned Completion for Section 4	0		13-Sep-22 A		16-Apr-25		SC41110	CD1040
Section 5 - Complete all remaining Works (incl. T&C)		1989	23-Oct-19 A	02-Apr-25	21-Nov-22	02-Apr-25	0		
Contractual Completion (Include Implemented CE)		1668	23-Oct-19 A	16-May-24	21-Nov-22	16-May-24	0		
SC51000	Contract Duration of Section 5	1626	23-Oct-19 A	04-Apr-24	21-Nov-22	04-Apr-24	0		SC51001
SC51001	Completion date - Section 5 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	0	SC51000	SC51002
SC51002	NICE-CNE-0264 Inclement Weather (July 2021) - 14days (Implemented)	14	05-Apr-24	18-Apr-24	05-Apr-24	18-Apr-24	0	SC51001	SC51100, SC51003
SC51003	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	19-Apr-24	07-May-24	19-Apr-24	07-May-24	0	SC51002	SC51100, SC51004
SC51004	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	08-May-24	11-May-24	08-May-24	11-May-24	0	SC51003	SC51007
SC51007	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	11-May-24	11-May-24	11-May-24	11-May-24	0	SC51004	SC51008
SC51008	NICE-CNE-0343 Inclement Weather (December 2021) - 5days (Implemented)	5	12-May-24	16-May-24	12-May-24	16-May-24	0	SC51007	SC51100
SC51100	Revised Completion for Section 5	0		16-May-24*		16-May-24	0	SC51002, SC51003, SC51008	
Expected Completion (Include Non-implemented CE)		1989	23-Oct-19 A	02-Apr-25	21-Nov-22	02-Apr-25	0		
SC51000-1	Contract Duration of Section 5	1626	23-Oct-19 A	04-Apr-24	21-Nov-22	04-Apr-24	0	CD1010	SC51001-1
SC51001-1	Completion date - Section 5 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	0	SC51000-1	SC51110, SC51002-1
SC51002-1	NICE-CNE-0264 Inclement Weather (July 2021) - 14days (Implemented)	14	05-Apr-24	18-Apr-24	05-Apr-24	18-Apr-24	0	SC51001-1	SC51003-1
SC51003-1	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	19-Apr-24	07-May-24	19-Apr-24	07-May-24	0	SC51002-1	SC51004-1
SC51004-1	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	08-May-24	11-May-24	08-May-24	11-May-24	0	SC51003-1	SC51005-1
SC51005-1	CNE-019 Inclement Weather (October 2021) - 6days	6	11-May-24	17-May-24	11-May-24	17-May-24	0	SC51004-1	SC51006-1
SC51006-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	17-May-24	21-May-24	17-May-24	21-May-24	0	SC51005-1	SC51007-1
SC51007-1	ICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemen	1	21-May-24	21-May-24	21-May-24	21-May-24	0	SC51006-1	SC51008-1
SC51008-1	NICE-CNE-0343 Inclement Weather (December 2021) - 5days (Implemented)	5	22-May-24	26-May-24	22-May-24	26-May-24	0	SC51007-1	SC51009-1
SC51009-1	CNE-036 Inclement Weather (January 2022) - 3days	3	27-May-24	29-May-24	27-May-24	29-May-24	0	SC51008-1	SC51010-1
SC51010-1	CNE-040 Inclement Weather (February 2022) - 5days	5	30-May-24	03-Jun-24	30-May-24	03-Jun-24	0	SC51009-1	SC51011-1
SC51011-1	CNE-044 Inclement Weather (March 2022) - 4.5days	5	04-Jun-24	08-Jun-24	04-Jun-24	08-Jun-24	0	SC51010-1	SC51012-1
SC51012-1	CNE-048 Inclement Weather (April 2022) - 2days	2	08-Jun-24	10-Jun-24	08-Jun-24	10-Jun-24	0	SC51011-1	SC51013-1
SC51013-1	CNE-050 Inclement Weather (May 2022) - 8days	8	10-Jun-24	18-Jun-24	10-Jun-24	18-Jun-24	0	SC51012-1	SC51099-1, SC51014-1
SC51014-1	CNE-052 Inclement Weather (June 2022) - 9days	9	18-Jun-24	27-Jun-24	18-Jun-24	27-Jun-24	0	SC51013-1	SC51015-1
SC51015-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 1day	1	27-Jun-24	28-Jun-24	27-Jun-24	28-Jun-24	0	SC51014-1	SC51099-1, SC51016-1
SC51016-1	CNE-054 Inclement Weather (July 2022) - 4days	4	28-Jun-24	02-Jul-24	28-Jun-24	02-Jul-24	0	SC51015-1	SC51017-1
SC51017-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	02-Jul-24	03-Jul-24	02-Jul-24	03-Jul-24	0	SC51016-1	SC51099-1, SC51018-1
SC51018-1	CNE-056 Inclement Weather (August 2022) - 13.5days	14	03-Jul-24	16-Jul-24	03-Jul-24	16-Jul-24	0	SC51017-1	SC51019-1
SC51019-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	17-Jul-24	17-Jul-24	17-Jul-24	17-Jul-24	0	SC51018-1	SC51099-1, SC51020-1
SC51020-1	CNE-058 Inclement Weather (September 2022) - 8days	8	18-Jul-24	25-Jul-24	18-Jul-24	25-Jul-24	0	SC51019-1	SC51099-1, SC51021-1
SC51021-1	CNE-059 Inclement Weather (October 2022) - 4days	4	26-Jul-24	29-Jul-24	26-Jul-24	29-Jul-24	0	SC51020-1	SC51099-1
SC51099-1	EWN-0314 Extention of Time for change of access date	247	30-Jul-24	02-Apr-25	30-Jul-24	02-Apr-25	0	SC51013-1, SC51015-1,	SC51100-1
SC51100-1	Expected Completion for Section 5	0		02-Apr-25*		02-Apr-25	0	SC51099-1	

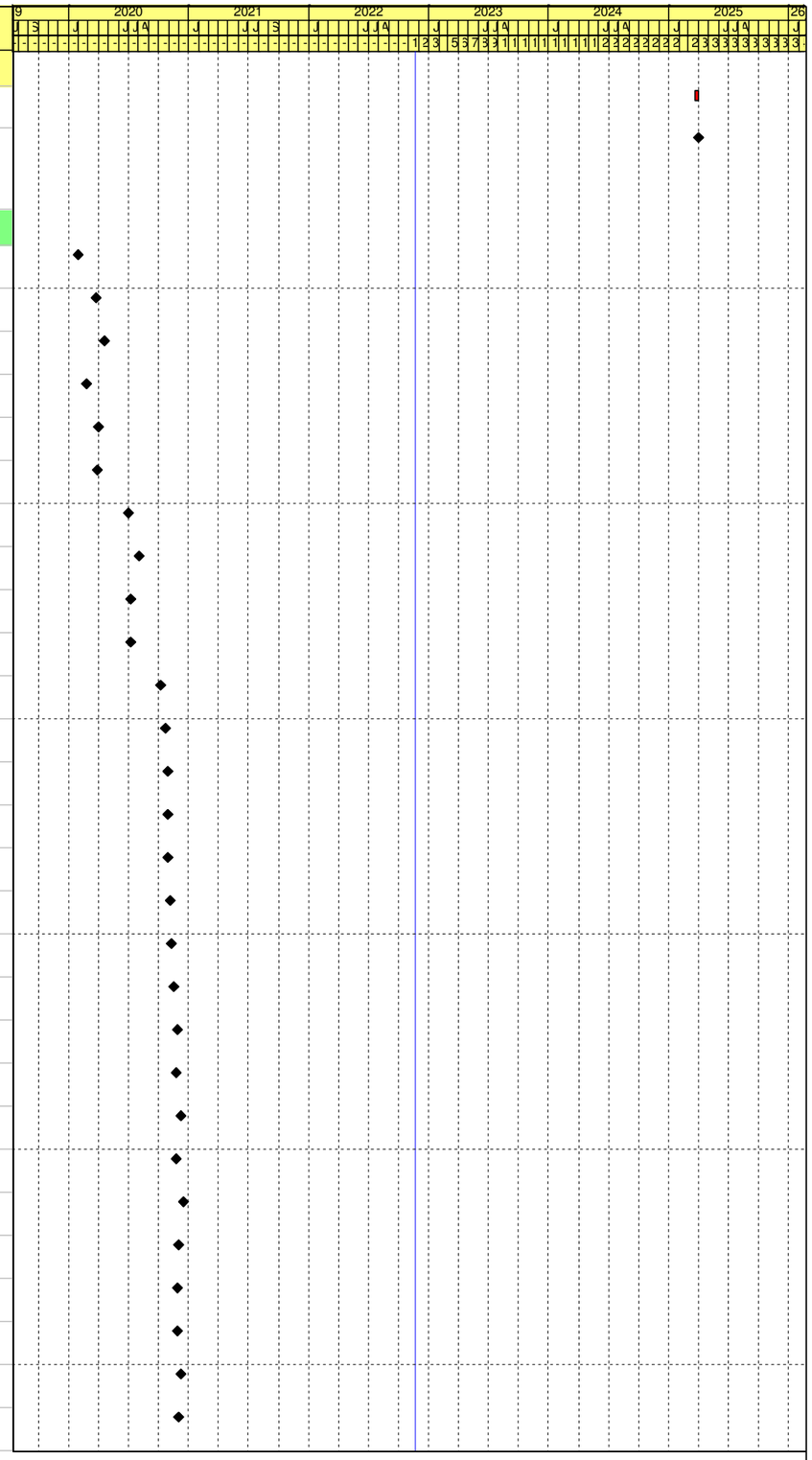


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Time Risk Allowance and Planned Completion		12	22-Mar-25	02-Apr-25	05-May-24	16-May-24	-321		
SC51110	Time Risk Allowance for Section 5	12	22-Mar-25	02-Apr-25	05-May-24	16-May-24	-321	SC51001-1, S5S1250,	SC51120
SC51120	Planned Completion for Section 5	0		02-Apr-25*		16-May-24	-321	SC51110, PL1520, PL1560, S5S1040	CD1040
Compensation Event		1621	23-Oct-19 A	21-Nov-22	30-Jan-22	16-Apr-25	877		
CE0001	CE No.001 - Special Work Arrangement in Reducing the Risk of the Spread of Novel Coronavirus	0		30-Jan-20 A		16-Apr-25			
CE0002	CE No.002 - The Contractor's Site Accomodation by Modular Integrated Construction (MIC) Method	0		23-Mar-20 A		16-Apr-25			
CE0003	CE No.003 - Flowmeter Relocation & Pipework Rearrangement at Effluent Transfer Pumping Station	0		20-Apr-20 A		16-Apr-25			
CE0004	CE No.004 - Designated Area for the Contractor's Site Accommodation in Works Area WA1	0		26-Feb-20 A		16-Apr-25			
CE0005	CE No.005 - Revised Size of Penstock at UV System No.1 & Effluent Pumping Station No.1 for Ex. Outfall	0		30-Mar-20 A		16-Apr-25			
CE0006	CE No.006 - Additional Duty Point for Effluent Transfer Pumps	0		27-Mar-20 A		16-Apr-25			
CE0007	CE No.007 - Additional Adjustable Weir at UV System No.1 & Effluent Pumping Station No.1	0		30-Jun-20 A		16-Apr-25			
CE0008	CE No.008 - Provision of Additional 2nd Temp. Power Supply for UV System No.1 & Effluent Pumping Station No.1	0		03-Aug-20 A		16-Apr-25			
CE0009	CE No.009 - Employment of Temporary Staff under Anti-Epidemic Fund	0		07-Jul-20 A		16-Apr-25			
CE0010	CE No.010 - Revised Setting Out Plan for Sidestream Treatment Facilities	0		07-Jul-20 A		16-Apr-25			
CE0012	CE No.012 - Provision of Touchscreen Display System for the Project Manager's Office	0		06-Oct-20 A		16-Apr-25			
CE0013	CE No.013 - Feasibility Study for Adopting emMiC & DfMA	0		22-Oct-20 A		16-Apr-25			
CE0014	CE No.014 - Revised FS Water Supply Arrangement for CHP, Guard House, Workshop No.2, SludgeDigester&DistributionChamber	0		28-Oct-20 A		16-Apr-25			
CE0015	CE No.015 - Revised Plumbing Arranagement for Workshop No.2, UV & Effluent No.1, CHP, SPS&FCDF, DOU No.11&12, H2S, SDDC	0		30-Oct-20 A		16-Apr-25			
CE0016	CE No.016 - Elect. Provisions for Addit. 800A ACB w/ CMPD as Standby Supply for MBBR for UV No.2 for Future Expansion	0		28-Oct-20 A		16-Apr-25			
CE0018	CE No.018 - MVAC Layout for Plant Service Water System	0		05-Nov-20 A		16-Apr-25			
CE0020	CE No.020 - Addit. set of 11kV power feeder panel at 11kV SB in CHP for future connection to Zone B in Stage 2	0		09-Nov-20 A		16-Apr-25			
CE0201	NCE-PMI-0201 - Provision of Access Platform for EOT cranes in UV System No.1 & Effluent Pumping Station No.1	0		16-Nov-20 A		16-Apr-25			
CE0202	NCE-PMI-0202 - Revised Plumbing Arrangement for Sludge Dewatering Building	0		26-Nov-20 A		16-Apr-25			
CE0203	NCE-PPMI-0203 - MVAC Layout for SAS Pumping Station	0		25-Nov-20 A		16-Apr-25			
CE0204	NCE-PMI-0204 - CHP - Provisional of Additional ATS for Power Supply for UPS	0		08-Dec-20 A		16-Apr-25			
CE0205	NCE-PPMI-0205 - Fibre Optics Network Connection for SCADA Systems between Zone B & Zone C	0		23-Nov-20 A		16-Apr-25			
CE0206	NCE-PMI-0206 - SDB - Provisional of Additional ATS for Power Supply for UPS	0		15-Dec-20 A		16-Apr-25			
CE0207	NCE-PMI-0207 - TX Rm & Switch Rm - Provision of ATS for Power Supply for UPS	0		01-Dec-20 A		16-Apr-25			
CE0208	NCE-PPMI-0208 - Provision of Drainage service Layout for SAS Pumping Station	0		26-Nov-20 A		16-Apr-25			
CE0209	NCE-PPMI-0209 - Drainage System for Plant Service Water System	0		26-Nov-20 A		16-Apr-25			
CE0210	NCE-PPMI-0210 - Electrical provisions for MVAC & Drainage Systems in SAS Pumping Station	0		08-Dec-20 A		16-Apr-25			
CE0211	NCE-PPMI-0211 - Revised MVAC Layout & Electrical Provisions for MVAC in TX and Switch Rm	0		02-Dec-20 A		16-Apr-25			

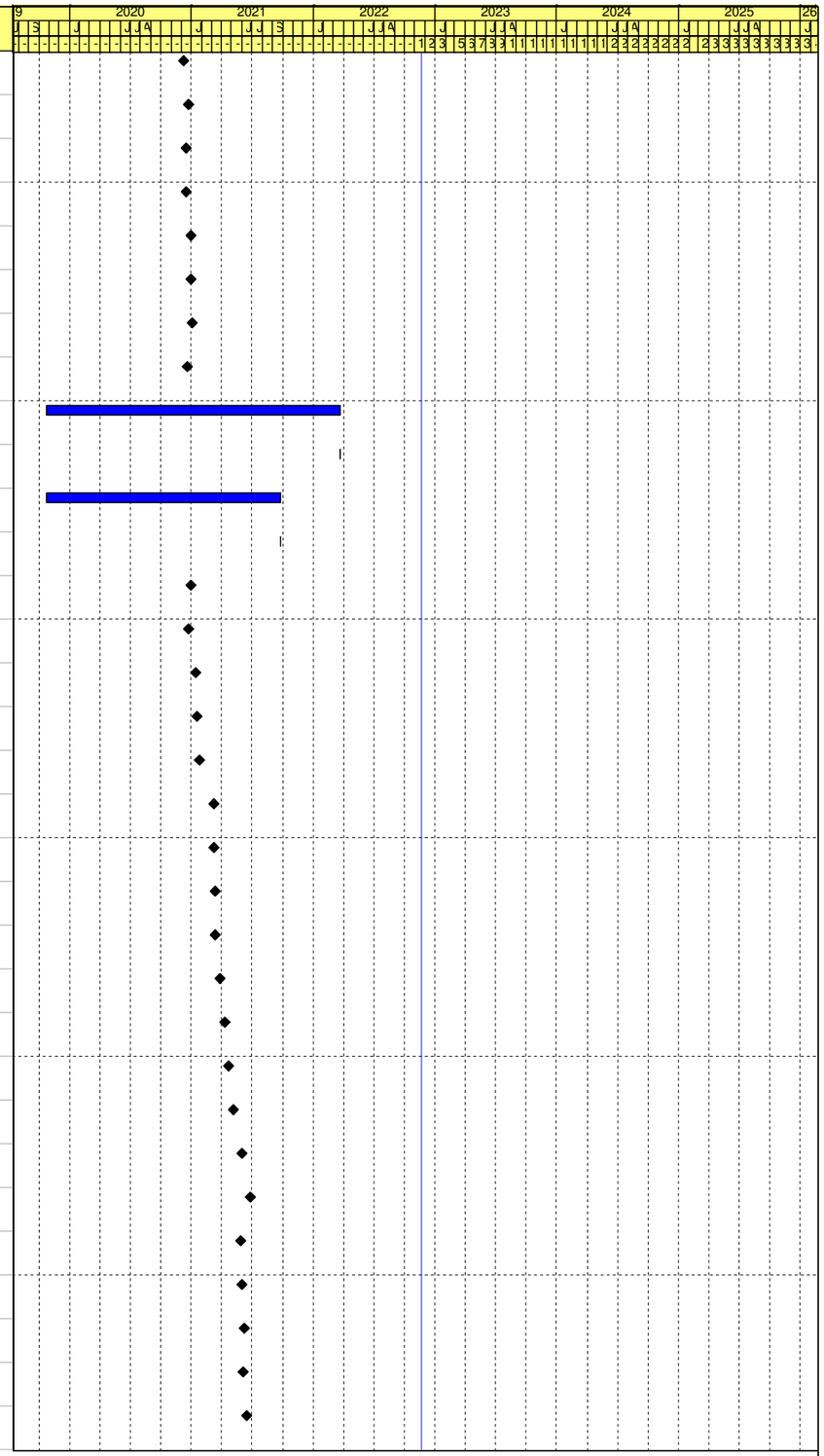


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
CE0212	NCE-PMI-0212 - Provision of Louvre Panel for Outdoor AC Units at Contractor's Site Accomodation	0		07-Dec-20 A		16-Apr-25			
CE0213	NCE-PPMI-0213 - Electrical provisions for MVAC & Drainage System in UV System No.1 & Effluent Pumping Station No.1	0		21-Dec-20 A		16-Apr-25			
CE0214	NCE-PPMI-0214 - Additional Sump Pump & Drain Pipes at UV System No.1 & Effluent Pumping Station	0		14-Dec-20 A		16-Apr-25			
CE0215	NCE-PPMI-0215 - Revised MVAC Layout for UV System No.1 & Effluent Pumping Station No.1	0		14-Dec-20 A		16-Apr-25			
CE0216	NCE-PPMI-0216 - Electrical Provisions for MVAC & drainage Sytems in Plant Service Water System	0		31-Dec-20 A		16-Apr-25			
CE0217	NCE-PMI-0217 - Revised Duty Points for Effluent Transfer Pumps	0		29-Dec-20 A		16-Apr-25			
CE0218	NCE-PMI-0218 - Scoping Study for Application of Digital Twin & IoT in Zone B & Zone C of SWHEPP	0		04-Jan-21 A		16-Apr-25			
CE0219	NCE-NCE-0219 - Change of Site Access Date to SAS Pumping Station Forming Part of Portion B-2 of the Site	0		19-Dec-20 A		16-Apr-25			
CE0219a	NCE-NCE-0219 - Portion B-2a (within 771 to 891 days from starting date)	891	23-Oct-19 A	23-Mar-22 A	03-Dec-22	03-Dec-22		CD1010	CE0219b
CE0219b	NCE-NCE-0219 - Revised Access Date for Portion B-2a	1	23-Mar-22 A	23-Mar-22 A	03-Dec-22	03-Dec-22		CE0219a	S5SASC1010
CE0219c	NCE-NCE-0219 - Portion B-2b (within 615 to 705 days from starting date)	705	23-Oct-19 A	24-Sep-21 A	02-Dec-22	02-Dec-22			CE0219d
CE0219d	NCE-NCE-0219 - Revised Access Date for Portion B-2b	1	24-Sep-21 A	24-Sep-21 A	02-Dec-22	02-Dec-22		CE0219c	S5ECHC1000
CE0220	NCE-PMI-0220 - Supply of Puddle Pipes for Effluent to Shek Sheung River	0		30-Dec-20 A		16-Apr-25			
CE0221	NCE-PPMI-0221 - General Arrangement for Fire Hydrant & Booster Pump Room	0		24-Dec-20 A		16-Apr-25			
CE0222	NCE-PMI-0222 - Revised Water Supply Arrangement (FS Water) to Sludge Dewatering Building	0		12-Jan-21 A		16-Apr-25			
CE0223	NCE-PMI-0223 - Construction of Trial Pits for Sidestream Treatment Facilities	0		15-Jan-21 A		16-Apr-25			
CE0224	NCE-PMI-0224 - Independent Inspection Body (IIB) for the Factory Acceptance Test (FAT) for UV Disinfeciton System	0		25-Jan-21 A		16-Apr-25			
CE0225	NCE-PMI-0225 - Supply of Ductile Iron Puddle Pipes at the Basement of Sludge Dewatering Building	0		09-Mar-21 A		16-Apr-25			
CE0226	NCE-PMI-0226 - Provision of Solar Water Heating System at the Contractor's Site Accomodation	0		09-Mar-21 A		16-Apr-25			
CE0227	NCE-PMI-0227 - Dual Power Fedder for LV Switch Panel at Sewage Pumping Station	0		11-Mar-21 A		16-Apr-25			
CE0228	NCE-PMI-0228 - Provision of Effluent Pipes and Associated Valve and Supply of Supports for Effluent to Shek Sheung River	0		11-Mar-21 A		16-Apr-25			
CE0230	NCE-PMI-0230 - Provision of Project Jackets with Fleece Vests	0		26-Mar-21 A		16-Apr-25			
CE0231	NCE-PMI-0231 - Extension of Sampling Pipe From Low Level on Sludge Digesters	0		12-Apr-21 A		16-Apr-25			
CE0232	NCE-PMI-0232 - Dual Power Fedder for LV Switch Panel at 1/F LV Switch Room of Combined Heat and Power (CHP) Building	0		22-Apr-21 A		16-Apr-25			
CE0233	NCE-PMI-0233 - Sampling, Simulating and Testing of Existing Sludge for Obtaining the Viscosity of the Mixed Sludge	0		06-May-21 A		16-Apr-25			
CE0234	NCE-PMI-0234 - Provision of FRP Walkway, Access Platform & Handrailing for Sludge Digester No. 2	0		02-Jun-21 A		16-Apr-25			
CE0237	NCE-CNE-0237 - Provision of Inspectin Windows for Sludge Digester	0		25-Jun-21 A		16-Apr-25			
CE0238	NCE-PMI-0238 - Supply of Stainless Steel Puddle Pipes for Surplus Activated Sludge (SAS) Pumping Station	0		27-May-21 A		16-Apr-25			
CE0239	NCE-PMI-0239 - Revised the Arrangement for Process Water Supply and Plant Services Water System	0		01-Jun-21 A		16-Apr-25			
CE0240	NCE-PMI-0240 - Revised Coping and Invert Levels for Penstock and Stoplog of SAS Pumping Station	0		09-Jun-21 A		16-Apr-25			
CE0241	NCE-PMI-0241 - Revised Diesel Fuel Tank at Combined Heat and Power (CHP) Building	0		04-Jun-21 A		16-Apr-25			
CE0242	NCE-PMI-0242 - Revised Fire Services Provision of UV System No. 1 and Effluent Pumping Station No. 1	0		15-Jun-21 A		16-Apr-25			

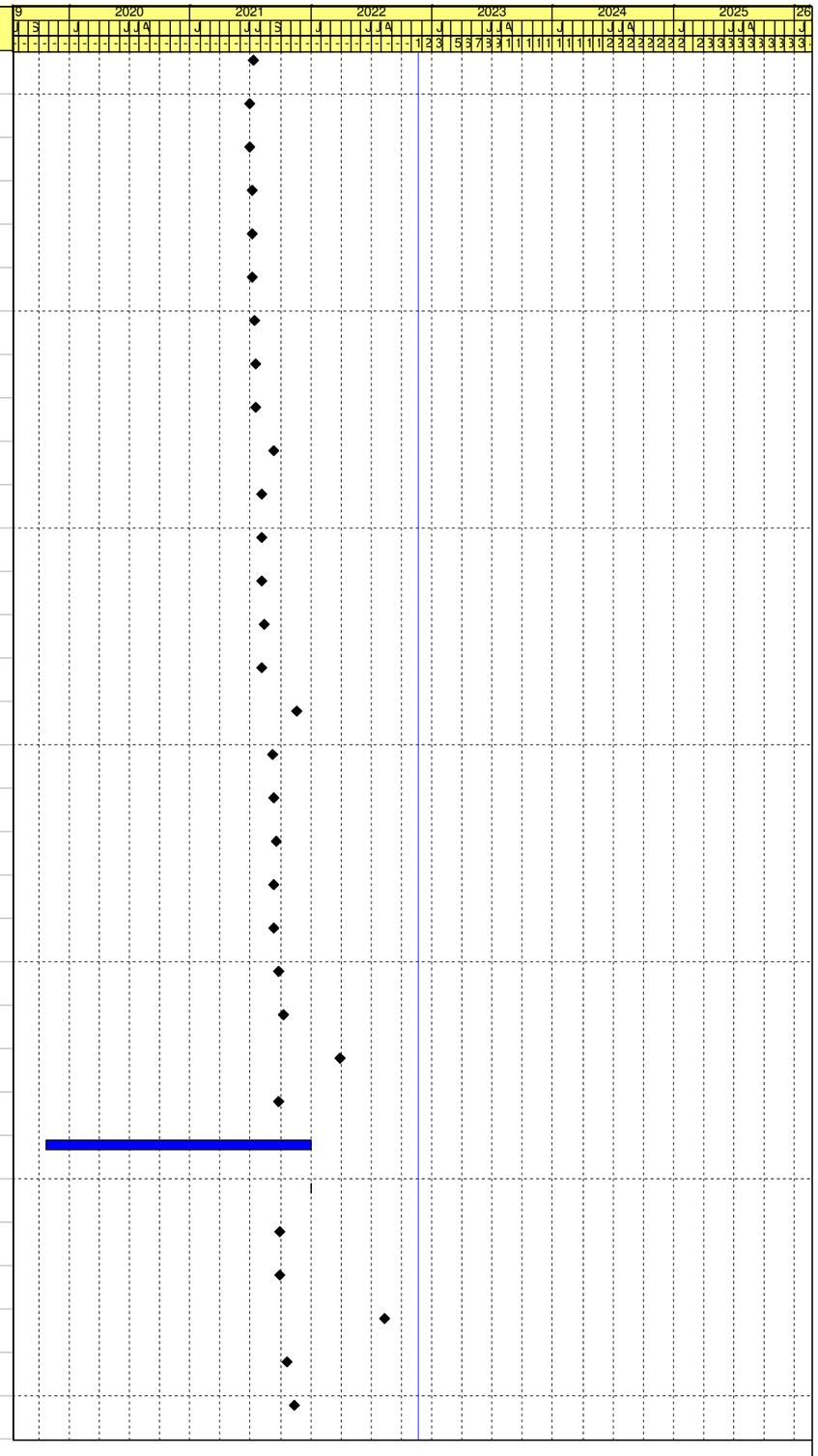


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
CE0243	NCE-PMI-0243 - Provision of Flow Signal Inputs for UV Disinfection System	0		12-Jul-21 A		16-Apr-25			
CE0244	RCNE-CNE-0244 - Access to and use of portion C-1A	0		29-Jun-21 A		16-Apr-25			
CE0245	NCE-PMI-0245 - Provision of Augmented Reality (AR) Mobile Application	0		30-Jun-21 A		16-Apr-25			
CE0246	NCE-PMI-0246 - Revised HV Remote Control Panels at CHP & Workshop No. 2	0		06-Jul-21 A		16-Apr-25			
CE0247	NCE-PMI-0247 - Temporary 4G System for SCADA System Monitoring	0		07-Jul-21 A		16-Apr-25			
CE0248	NCE-PMI-0248 - Inclement Weather - May 2021 (Time Implication)	0		05-Jul-21 A		16-Apr-25			
CE0250	NCE-PMI-0250 - Provision of Front Access LV Switch Panel in the LV Switch Room on G/F Workshop No. 2	0		14-Jul-21 A		16-Apr-25			
CE0252	NCE-PMI-0252 - Provision of Neutral Earthing Resistor (NER) at Workshop No. 2	0		19-Jul-21 A		16-Apr-25			
CE0253	NCE-PMI-0253 - Provision of Building Services Systems in New LV Switch Room on the G/F Workshop No. 2	0		16-Jul-21 A		16-Apr-25			
CE0254	NCE-CNE-0254 - Removal of Obstructions at Trail Pit No. 3 at Sidestreamt Facilities	0		10-Sep-21 A		16-Apr-25			
CE0256	RCNE-CNE-0256 - Amber Rainstrom Warning and Inclement Weather - June 2021 (Time Implication)	0		05-Aug-21 A		16-Apr-25			
CE0257	RCNE-CNE-0257 - Black and Red Rainstrom Warning - June 2021 (Time & Cost Implication)	0		05-Aug-21 A		16-Apr-25			
CE0258	NCE-PMI-0258 - Provision of FRP Cover for Overflow Chambers of Sludge Digesters	0		04-Aug-21 A		16-Apr-25			
CE0259	NCE-PMI-0259 - Provision of Virtual Reality (VR) Safety Training Platform	0		13-Aug-21 A		16-Apr-25			
CE0260	NCE-PMI-0260 - Provision of Chequer Plates at UV System No. 1 & Effluent Pumping Station No. 1	0		04-Aug-21 A		16-Apr-25			
CE0262	NCE-PMI-0262 - Emergency Access Door for Lift at Sludge Dewatering Building	0		18-Nov-21 A		16-Apr-25			
CE0263	NCE-PMI-0263 - Upgrade of the Supporting Frame of 1st and 2nd Stage Heat Exchangers for Future Expansion of THP System	0		07-Sep-21 A		16-Apr-25			
CE0264	RCNE-CNE-0264 - Inclement Weather - July 2021 (Time Implication)	0		10-Sep-21 A		16-Apr-25			
CE0265	NCE-PMI-0265 - Water Supply to Emergency Drench Shower and Eye Fountain at Deodorization System No. 11	0		16-Sep-21 A		16-Apr-25			
CE0269	NCE-PMI-0269 - Additional Cleansing Points at Sludge Skip Area of Sludge Dewatering Building	0		10-Sep-21 A		16-Apr-25			
CE0270	NCE-CNE-0270 - Extra sampling, simulating & testing of exiting sludge for obtaining the viscosity of the existing sludge	0		10-Sep-21 A		16-Apr-25			
CE0271	NCE-PMI-0271 - Provision of Access Platform for the EOT Crane (LA-01-02) in Sludge Dewatering Building	0		23-Sep-21 A		16-Apr-25			
CE0272	NCE-PMI-0272 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		08-Oct-21 A		16-Apr-25			
CE0272-1	NCE-PMI-0272-1 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		28-Mar-22 A		16-Apr-25			
CE0273	NCE-NCE-0273 - Change of Site Access Date to Workshop No. 2 Forming Part of Portion C-3 of the Site	0		24-Sep-21 A		16-Apr-25			
CE0273a	NCE-NCE-0273 - Portion C-3 (within 615 to 815 days from starting date)	815	23-Oct-19 A	31-Dec-21 A	16-Apr-25	16-Apr-25			CE0273b
CE0273b	NCE-NCE-0273 - Revised Access Date for Portion C-3	1	31-Dec-21 A	31-Dec-21 A	16-Apr-25	16-Apr-25		CE0273a	
CE0275	NCE-PMI-0275 - Additional Lighting Fittings for UV System No.1 & Effluent Pumping Station No.1	0		29-Sep-21 A		16-Apr-25			
CE0277	NCE-PMI-0277 - Provision of Access Platform for the EOT Crane (LA-01-03) in Sludge Dewatering Building	0		27-Sep-21 A		16-Apr-25			
CE0279	NCE-PPMI-0279 - Implementation of Digital Twin Pilot Project in Advance Works Area of Shek Wu Hui Sewage Treatment Works	0		11-Aug-22 A		16-Apr-25			
CE0280	NCE-PMI-0280 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		21-Oct-21 A		16-Apr-25			
CE0283	NCE-PMI-0283 - Provision of Metal Base Plate,Stopper&Guide Rail for Loading&Unloading of Sludge Skip at Skip Rm of SDB	0		11-Nov-21 A		16-Apr-25			

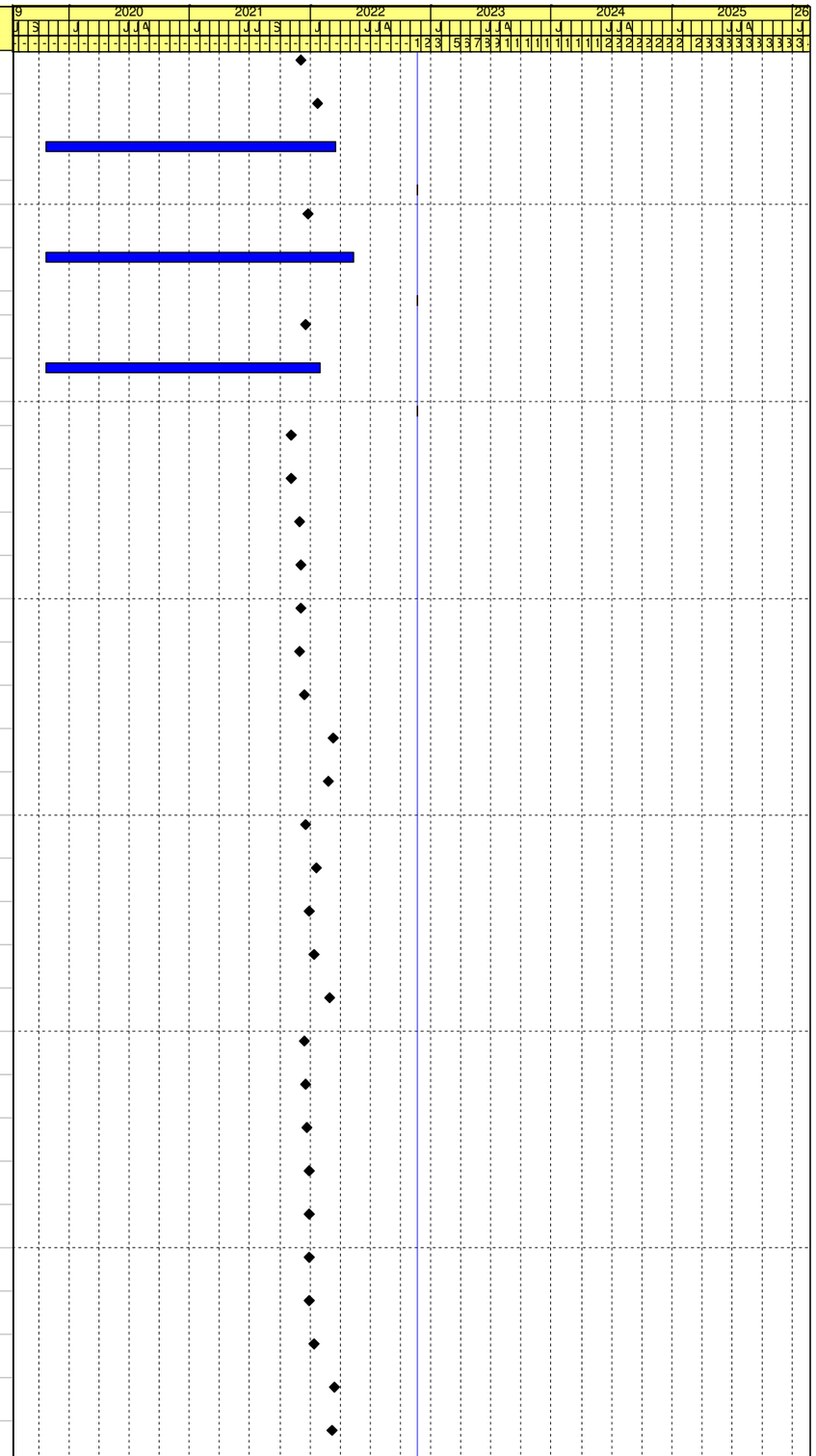


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
CE0284	NCE-PMI-0284 - Revised Road Lighting System for Zone C	0		03-Dec-21 A		16-Apr-25			
CE0286	NCE-NCE-0286 - Change of Site Access Date to Combined Heat and Power Building Forming Part of Portion C-2B of the Site	0		21-Jan-22 A		16-Apr-25			
CE0286a	NCE-NCE-0286 - Portion C-2B (within 765 to 880 days from starting date)	880	23-Oct-19 A	20-Mar-22 A	20-Mar-22	20-Mar-22			CE0286b
CE0286b	NCE-NCE-0286 - Revised Access Date for Portion C2-B	1	21-Nov-22	21-Nov-22*	20-Mar-22	20-Mar-22	-246	CE0286a	
CE0287	NCE-NCE-0287 - Change of Site Access Date to Sludge Digester & Distribution Chamber Forming Part of Portion C- 2C	0		24-Dec-21 A		16-Apr-25			
CE0287a	NCE-NCE-0287 - Portion C-2C (within 715 to 934 days from starting date)	934	23-Oct-19 A	13-May-22 A	13-May-22	13-May-22			CE0287b
CE0287b	NCE-NCE-0287 - Revised Access Date for Portion C2-C	1	21-Nov-22	21-Nov-22*	13-May-22	13-May-22	-192	CE0287a	
CE0288	NCE-NCE-0288 - Change of Site Access Date to Sludge Dewatering Building Forming Part of the Portion C- 2A of the site	0		18-Dec-21 A		16-Apr-25			
CE0288a	NCE-NCE-0288 - Portion C-2A (within 705 to 831 days from starting date)	831	23-Oct-19 A	30-Jan-22 A	30-Jan-22	30-Jan-22			CE0288b
CE0288b	NCE-NCE-0288 - Revised Access Date for Portion C-2A	1	21-Nov-22	21-Nov-22*	30-Jan-22	30-Jan-22	-295	CE0288a	
CE0292	RCNE-CNE-0292 - Inclement Weather - August 2021 (Time Implication)	0		02-Nov-21 A		16-Apr-25			
CE0293	RCNE-CNE-0293 - Inclement Weather - September 2021 (Time Implication)	0		02-Nov-21 A		16-Apr-25			
CE0294	NCE-PMI-0294 - IIB for FAT for THP System	0		30-Nov-21 A		16-Apr-25			
CE0296	NCE-PMI-0296 - Provision of emMiC Adoption of FRP Walkway and Platform for Sludge Digesters	0		03-Dec-21 A		16-Apr-25			
CE0297	NCE-PMI-0297-Provision of Addit. Module BIM Collaboration Pro to existing CDE&Omission of Procurement Maintenance of CDE	0		03-Dec-21 A		16-Apr-25			
CE0298	NCE-PMI-0298 - Additional Light Fittings at Roof Floor of UV System No.1 & Effluent Pumping Station No.1	0		30-Nov-21 A		16-Apr-25			
CE0299	NCE-PMI-0299 - Revised Plumbing Layout for UV System No.1 & Effluent Pumping Station No.1	0		14-Dec-21 A		16-Apr-25			
CE0300	NCE-PMI-0300 - Revised Plumbing Layout for CHP, DOU 12 and SD&DC	0		10-Mar-22 A		16-Apr-25			
CE0301	NCE-PMI-0301 - Revised Plumbing Layout for SDB & FeCl3 Dosing System	0		24-Feb-22 A		16-Apr-25			
CE0302	NCE-PMI-0302 - Revised Lighting Layout Plan for Workshop No.2	0		17-Dec-21 A		16-Apr-25			
CE0303	NCE-CNE-0303 - Revise Fire Services Provision for Server Room of Workshop No.2	0		19-Jan-22 A		16-Apr-25			
CE0304	NCE-PMI-0304 - Provision of Digital Displaying Screen and Softwarewithin Portion B Area	0		29-Dec-21 A		16-Apr-25			
CE0305	NCE-PMI-0305 - Process Review for Advance Works	0		12-Jan-22 A		16-Apr-25			
CE0306	NCE-CNE-0306 - Additional Trial Pits & the Associated Modification Works for Uncharted Utilities at STF	0		01-Mar-22 A		16-Apr-25			
CE0307	NCE-PMI-0307 - Revised Quantity for Stoplogs of Sewage Pumping Station	0		13-Dec-21 A		16-Apr-25			
CE0309	RCNE-CNE-0309 - Inclement Weather - October 2021 (Time Implication)	0		16-Dec-21 A		16-Apr-25			
CE0310	NCE-PMI-0310 - Temp. Leased Line for UV System No.1, Effluent PS No.1 & existing Control Room at Zone B	0		20-Dec-21 A		16-Apr-25			
CE0311	NCE-PMI-0311 - Temp. Setup for SCADA System Monitoring & CCTV System Surveillance	0		29-Dec-21 A		16-Apr-25			
CE0312	CNE-0312 - Weather Condition Affecting the Site in Oct due to Typhoon Signal No.8 or above, Red/Black Rainstorm Warning	0		29-Dec-21 A		16-Apr-25			
CE0313	CNE-0313 - Inclement Weather - November 2021 (Time Implication)	0		29-Dec-21 A		16-Apr-25			
CE0315	NCE-PMI-0315 - Modification of Monorali LA-01-04 in Sludge Dewatering Building	0		30-Dec-21 A		16-Apr-25			
CE0317	NCE-PMI-0317 - Revised CCTV Layout Plan & Addition of CCTV Camera for UV System No.1 & Effluent Pumping Station	0		11-Jan-22 A		16-Apr-25			
CE0325	NCE-PMI-0325 - Provision of 2 Nos. of 3 Tons Mobile A-frame with Electrical Hoist in Sludge Dewatering Building	0		14-Mar-22 A		16-Apr-25			
CE0327	NCE-PMI-0327 - Change of Material for Electrical Wiring Accessories	0		08-Mar-22 A		16-Apr-25			

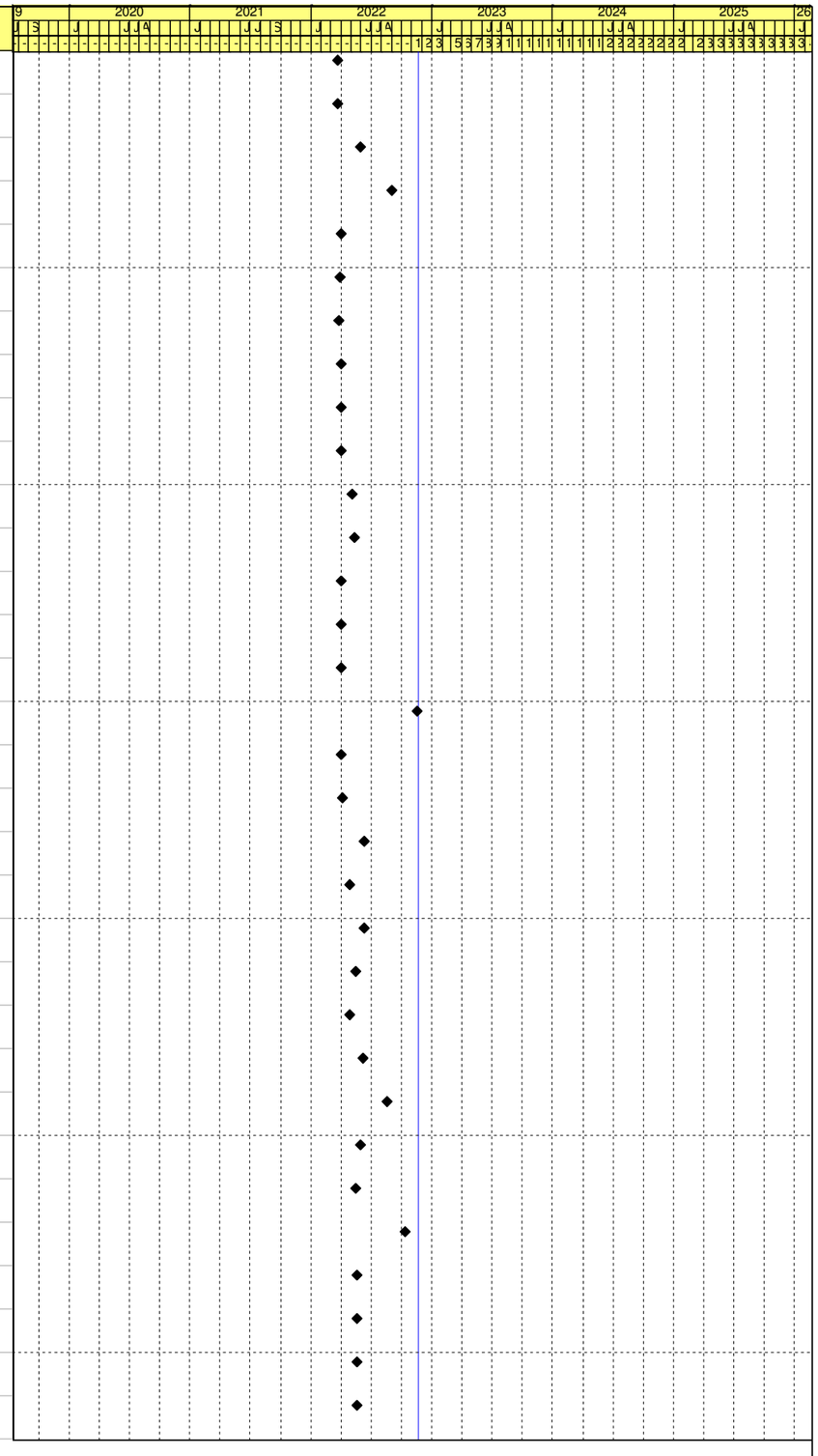


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
CE0328	NCE-PMI-0328 - Provision of Chequer Plates at SAS Pumping Station	0		22-Mar-22 A		16-Apr-25			
CE0329	NCE-PMI-0329 - Provision of IIB for FAT for Sludge Thickening and Dewatering Centrifuges	0		23-Mar-22 A		16-Apr-25			
CE0333	NCE-PMI-0333 - Revised MVAC Layout and Control Schematic for Workshop No.2	0		30-May-22 A		16-Apr-25			
CE0334	NCE-PMI-0334 - Provision of 1 Set of SWL 1 Tons Davit with Electrical Chain Hoist on the Roof of Distribution Chamber	0		02-Sep-22 A		16-Apr-25			
CE0335	NCE-PMI-0335 - Revised Power & Control for MVAC Provision at Workshop No.2	0		01-Apr-22 A		16-Apr-25			
CE0336	NCE-PMI-0336 - Provision of Additional Temporary Storage Area	0		30-Mar-22 A		16-Apr-25			
CE0337	NCE-PMI-0337 - Revised Pipe Trenches in Zone C	0		24-Mar-22 A		16-Apr-25			
CE0338	NCE-PMI-0338 - Provision of Additional RFID Handheld Readers with 4G Data SIM Card Service	0		01-Apr-22 A		16-Apr-25			
CE0339	NCE-PMI-0339 - Revised Lighting Layout for SDB	0		01-Apr-22 A		16-Apr-25			
CE0340	NCE-PMI-0340 - Builkding Services & SCADA Interface Provisions for Workshop No.2	0		01-Apr-22 A		16-Apr-25			
CE0341	NCE-PMI-0341 - Revised MVAC Layout for Sludge Digesters and Distribution Chamber	0		05-May-22 A		16-Apr-25			
CE0342	NCE-PMI-0342 - Provision and Installation of Additional Pipes to Manhole MHSS1	0		12-May-22 A		16-Apr-25			
CE0343	CNE-0343 - Inclement Weather - December 2021 (Time Implication)	0		01-Apr-22 A		16-Apr-25			
CE0344	CNE-0344 - Inclement Weather - January 2022 (Time Implication)	0		01-Apr-22 A		16-Apr-25			
CE0345	CNE-0345 - Inclement Weather - February 2022 (Time Implication)	0		01-Apr-22 A		16-Apr-25			
CE0346	NCE-CNE-0346 - Left in Temporary Steel Casing for Pile No. SSHP5 at Sidesteam Treatment Facilities	0		16-Nov-22 A		16-Apr-25			
CE0347	NCE-PMI-0347 - IIB for FAT for 11kV Switchboards	0		01-Apr-22 A		16-Apr-25			
CE0348	NCE-PMI-0348 - Provision of (IIB) for FAT for CHP Generating Sets	0		04-Apr-22 A		16-Apr-25			
CE0352	NCE-PMI-0352 - Revised MVAC Layout and for Transformer and Switch Room	0		10-Jun-22 A		16-Apr-25			
CE0353	NCE-PMI-0353 - Additional Auto-sampler for sampling Location at UV system No.1 and Effluent Pumping Station No.1	0		27-Apr-22 A		16-Apr-25			
CE0354	NCE-EWP-0354 - Early Deployment of Tower Crane to Enhance Programme affected by Uncharted U/U at STF	0		10-Jun-22 A		16-Apr-25			
CE0359	NCE-PMI-0359 - Revised Lighting Layout for Sludge Digesters and Districbution Chamber (Basement 1 and Basement 2)	0		16-May-22 A		16-Apr-25			
CE0360	NCE-PMI-0360 - Provision of Video Wall with Additional Monitors in the Control Room of Workshop No.2	0		29-Apr-22 A		16-Apr-25			
CE0361	NCE-PMI-0361 - Revised Power Layout for Sludge Dewatering Building	0		08-Jun-22 A		16-Apr-25			
CE0362	NCE-CNE-0362 - Amendment of Dangers Goods Ordinance (Cap.295)	0		19-Aug-22 A		16-Apr-25			
CE0363	NCE-PMI-0363 - Revised MVAC Layout and Control Schematic for CHP Building	0		30-May-22 A		16-Apr-25			
CE0364	NCE-PMI-0364 - Provision of Security and Utility Services for Additional Temporary Storage Area	0		16-May-22 A		16-Apr-25			
CE0364-1	NCE-PMI-0364-1 - Provision of Security and Utility Services for Additional Temporary Storage Area	0		10-Oct-22 A		16-Apr-25			
CE0366	CNE-0366 - No Access to and Use of Portion C-2B for Area for CHP	0		20-May-22 A		16-Apr-25			
CE0367	NCE-PMI-0367 - Sealing Works for UV System & Effluent Pumping Station No. 1	0		20-May-22 A		16-Apr-25			
CE0369	CNE-0369 - No Access to and use of Portion C-2C for Area for SD & DC	0		20-May-22 A		16-Apr-25			
CE0370	CNE-0370 - No Access to and Use of Portion C-2A for Area for SDB	0		20-May-22 A		16-Apr-25			

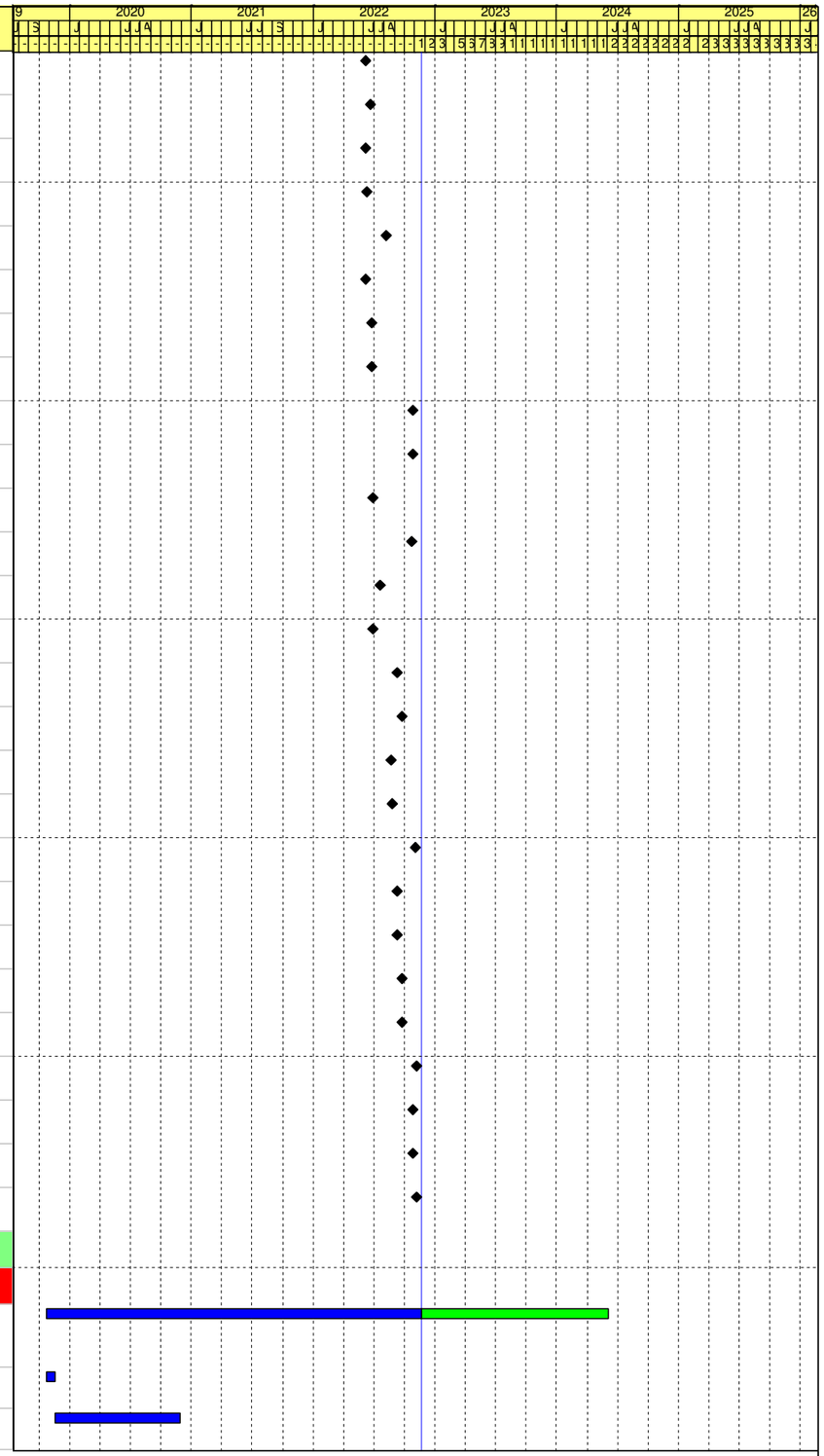


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
CE0372	NCE-PMI-0372 - Building Services Control & Monitoring Provisions for SDB & Gas Detection System for Pipe Tranch No.1	0		08-Jun-22 A		16-Apr-25			
CE0374	NCE-PMI-0374 - Revised Power Layout for SDDC & Control Provisions for Sump Pumps at Pipe Trench No.1 & No.2	0		20-Jun-22 A		16-Apr-25			
CE0375	NCE-PMI-0375 - Gas Detection System for Pipe Trench No.3 in Zone C	0		06-Jun-22 A		16-Apr-25			
CE0376	NCE-PMI-0376 - BS Provisions for SDDC (G/F & Roof) & Pipe Trench No.2	0		10-Jun-22 A		16-Apr-25			
CE0381	NCE-PMI-0381 - Employment of Temporary Staff under Job Creation Scheme 3.0 (JCS 3.0) under Anti-Epidemic Fund (AEF)	0		08-Aug-22 A		16-Apr-25			
CE0384	NCE-PMI-0384 - Enhanced Protective Measures against Spread of Omicron COVID Variant	0		08-Jun-22 A		16-Apr-25			
CE0386	CNE-0386 - Inclement Weather - March 2022 (Time Implication)	0		24-Jun-22 A		16-Apr-25			
CE0387	CNE-0387 - Inclement Weather - April 2022 (Time Implication)	0		24-Jun-22 A		16-Apr-25			
CE0389	NCE-PMI-0389 - Enhancement of Ventilation for CHP Acoustic Enclosures at Combined Heat and Power Building	0		27-Oct-22 A		16-Apr-25			
CE0390	NCE-PMI-0390 - Electricity Supply for DSD Maintenance Works at Workshop No.2	0		26-Oct-22 A		16-Apr-25			
CE0391	CNE-0391 - Inclement Weather - May 2022 (Time Implication)	0		30-Jun-22 A		16-Apr-25			
CE0393	NCE-PMI-0393 - Automatic Changeover System for UV System No.1 in LV Switchboard at Transformer and Switchroom	0		22-Oct-22 A		16-Apr-25			
CE0395	NCE-PMI-0395 - Omission of the Set-up Work for Temporary Water and Electricity Supply for Works Area WA1-B	0		20-Jul-22 A		16-Apr-25			
CE0397	CNE-0397 - Inclement Weather - Jun 2022 (Time Implication)	0		30-Jun-22 A		16-Apr-25			
CE0398	CNE-0398 - Red Rainstorm Warning -June 2022 (Time and Cost Implication)	0		08-Sep-22 A		16-Apr-25			
CE0399	NCE-PMI-0399 - Revised MVAC Layout for Sludge Dewatering Building	0		22-Sep-22 A		16-Apr-25			
CE0400	NCE-PMI-0400 - Provision of High Tide Detection System for System No.1 and Effluent Pumping Station No. 1	0		23-Aug-22 A		16-Apr-25			
CE0402	NCE-PMI-0402 - Provision of Flow Control System for Effluent to Shek Sheung River	0		24-Aug-22 A		16-Apr-25			
CE0403	NCE-PMI-0403 - Revised MVAC Provisions for SDB, TX&Switchrrom, UV no.1 & EPS and FHBP Rm	0		03-Nov-22 A		16-Apr-25			
CE0405	CNE-0405 - Inclement Weather -July 2022 (Time Implication)	0		08-Sep-22 A		16-Apr-25			
CE0406	CNE-0406 - Tropical Cyclone Warning Signal No. 8 - July 2022 (Time and Cost Implication)	0		08-Sep-22 A		16-Apr-25			
CE0409	CNE-0409 - Inclement Weather -August 2022 (Time Implication)	0		22-Sep-22 A		16-Apr-25			
CE0410	CNE-0410 - Tropical Cyclone Warning Signal No. 8 - August 2022 (Time and Cost Implication)	0		22-Sep-22 A		16-Apr-25			
CE0411	NCE-PMI-0411 - Revised Lighting Design for CHP Building	0		07-Nov-22 A		16-Apr-25			
CE0413	NCE-PMI-0413 - MV for UV Plant Area (Level +4.9mPD) of UV System No.1 & Effluent Pumping Station No.1	0		25-Oct-22 A		16-Apr-25			
CE0414	NCE-PMI-0414 - Sample Collection and Analysis for Existing Sewage Treatment Facilities	0		27-Oct-22 A		16-Apr-25			
CE0415	NCE-PMI-0415 - Modification Works for Instrument of UV Channels	0		07-Nov-22 A		16-Apr-25			
Preliminaries		2003	23-Oct-19 A	16-Apr-25	13-Apr-22	16-Apr-25	0		
Mobilisation		1687	23-Oct-19 A	04-Jun-24	13-Apr-22	16-Apr-25	316		
PL1000	Provison of Equipment / Facilities for the PM's Office	1687	23-Oct-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	AD1200, AD1220, CD1010	CD1040
PL1010	Mobilisation	28	23-Oct-19 A	19-Nov-19 A	13-Apr-22	13-Apr-22		CD1010	PL1240, S2P1010,
PL1020	Design, Procurement & PO & Construction of Contractor's Site Office (Works Area WA1 -B)	270	20-Nov-19 A	27-Nov-20 A	05-Jul-22	05-Jul-22		AD1200, PL1010	PL1040, S2D1930,

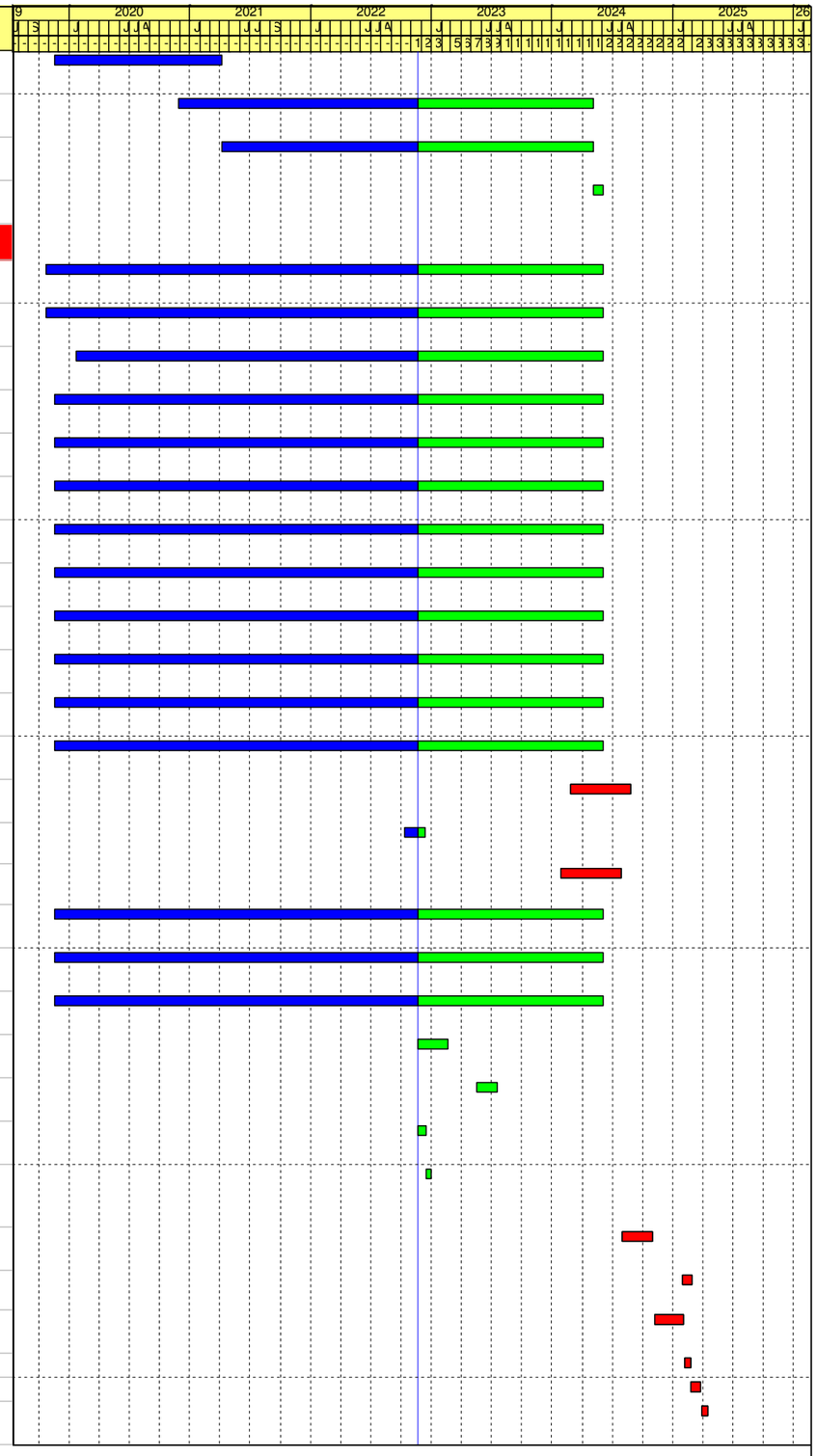


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
PL1030	Design, Procurement & PO & Construction of Contractor's Storage Area (Works Area WA3)	503	20-Nov-19 A	05-Apr-21 A	03-Oct-23	03-Oct-23		AD1220, PL1010	PL1050
PL1040	Maintain Contractor's Site Office	1255	28-Nov-20 A	05-May-24	03-Oct-23	17-Mar-25	316	PL1020	PL1060
PL1050	Maintain Contractor's Storage Area	1126	06-Apr-21 A	05-May-24	03-Oct-23	17-Mar-25	316	PL1030	PL1060
PL1060	Removal of Site Office, Storage & Relevant Facilities	30	06-May-24	04-Jun-24	18-Mar-25	16-Apr-25	316	PL1040, PL1050	CD1040
Site Preliminaries		2003	23-Oct-19 A	16-Apr-25	13-Sep-23	16-Apr-25	0		
PL1070	Provision of Insurance, Third Party Insurances & PII	1687	23-Oct-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010	CD1040
PL1080	Provision of 2 Contract Car for the Use of the PM & Supervisor	1687	23-Oct-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010	CD1040
PL1090	Provision of 1 Electric Car for the Use of the PM & Supervisor	1596	22-Jan-20 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1100	Provision of Photographs	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1110	Provision of Environmental Mitigation Measures	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1120	Provision of Air Pollution Abatment	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1130	Provision of Noise Pollution Abatment	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1140	Provision of Wastewater Pollution Abatement	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1150	Provision of Wastement Management	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1160	Provision of Monitoring the Use of Ultra Low Sulphur Diesel	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1170	Provision of Environmental Management	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1180	Provision of Site Management Plan for Trip Ticket System	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1190	Provision of As-constructed Drawings for Section 3	180	27-Feb-24	24-Aug-24	12-Nov-23	10-May-24	-107	CD1010, S3C1150	CD1040, SC31110
PL1200	Provision of As-constructed Drawings for Section 4	60	13-Oct-22 A	11-Dec-22	27-Mar-25	16-Apr-25	857	CD1010, S4C1160,	CD1040, SC41110
PL1210	Provision of As-constructed Drawings for Section 5	180	29-Jan-24	26-Jul-24	07-Nov-23	04-May-24	-83	CD1010, S5DIGC1040,	CD1040, SC51110
PL1220	Provision of Systematic Risk Management	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1230	Provision of Site Liaison Group & Community Liaison Group	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1240	Provision of 24-Hour Telephone Line	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
PL1260	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 3	90	21-Nov-22	18-Feb-23	13-Sep-23	12-Dec-23	297		PL1270
PL1270	Provision of Training for Employer's Staff for Section 3	60	20-May-23	18-Jul-23	11-Mar-24	10-May-24	297	CD1010, PL1260	CD1040, SC31110
PL1280	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 4	27	21-Nov-22	17-Dec-22	09-Mar-25	04-Apr-25	839		PL1290
PL1290	Provision of Training for Employer's Staff for Section 4	12	18-Dec-22	29-Dec-22	05-Apr-25	16-Apr-25	839	CD1010, S4T1020, PL1280	CD1040, SC41110
PL1300	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 5	90	02-Aug-24	30-Oct-24	08-Oct-23	05-Jan-24	-299		PL1310
PL1310	Provision of Training for Employer's Staff for Section 5	30	29-Jan-25	27-Feb-25	05-Apr-24	04-May-24	-299	CD1010, S5T1180,	CD1040, SC51110
PL1320	Prepare & Submit O&M Manual for Section 3	90	06-Nov-24	03-Feb-25	26-Dec-23	25-Mar-24	-316	CD1010	CD1040, PL1330
PL1330	PM Reivew & Comment O&M Manual for Section 3	21	04-Feb-25	24-Feb-25	25-Mar-24	15-Apr-24	-316	PL1320	PL1340
PL1340	Revise & Re-submit O&M Manual for Section 3	30	25-Feb-25	26-Mar-25	15-Apr-24	15-May-24	-316	PL1330	PL1350
PL1350	PM Reivew & Approval of O&M Manual for Section 3	21	27-Mar-25	16-Apr-25	15-May-24	05-Jun-24	-316	PL1340	CD1040, SC31110

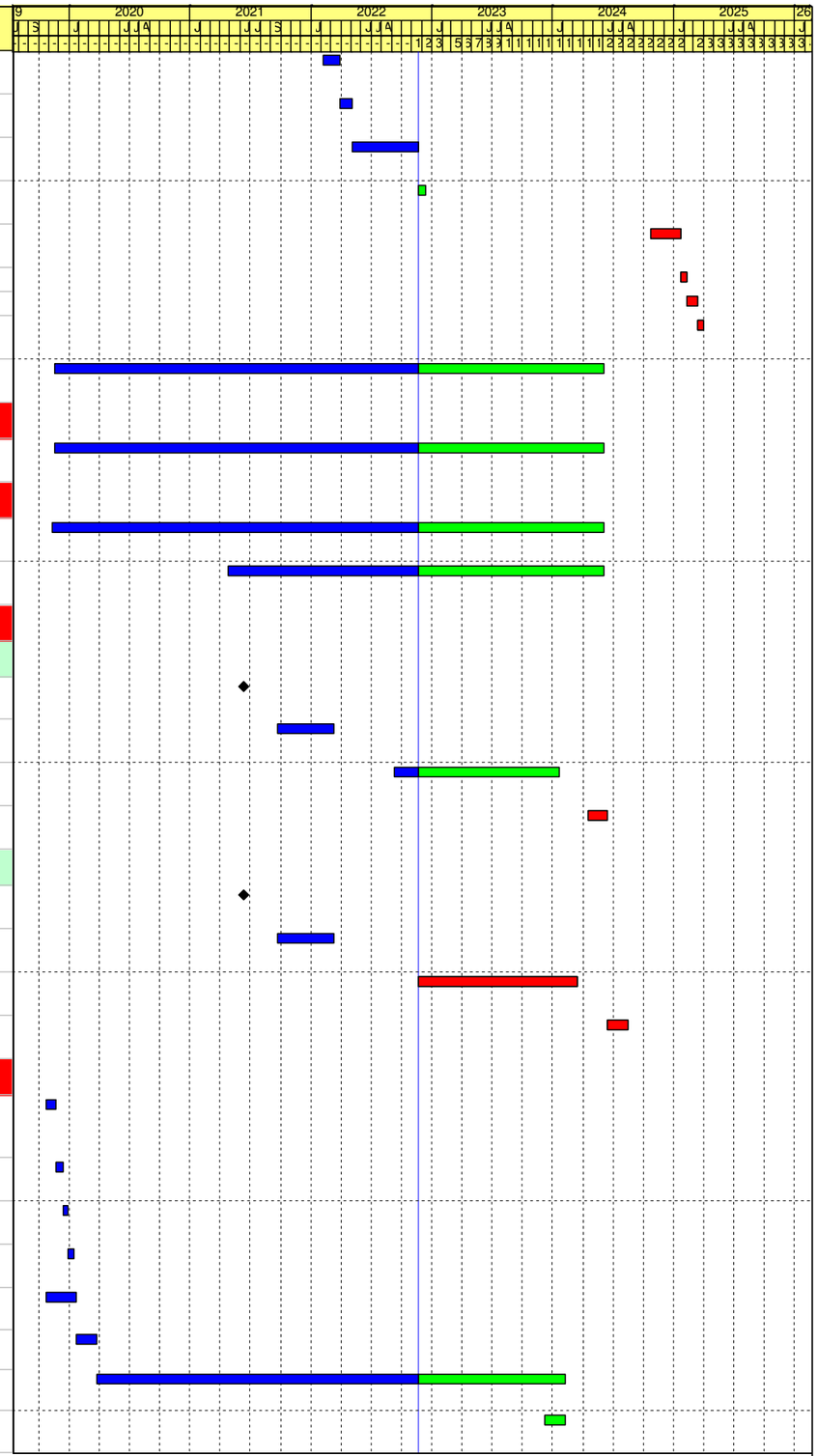


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
PL1360	Prepare & Submit O&M Manual for Section 4	50	07-Feb-22 A	28-Mar-22 A	26-Mar-25	26-Mar-25		CD1010	CD1040, PL1370
PL1370	PM Reivew & Comment O&M Manual for Section 4	36	29-Mar-22 A	03-May-22 A	26-Mar-25	26-Mar-25		PL1360	PL1380
PL1380	Revise & Re-submit O&M Manual for Section 4	79	04-May-22 A	21-Nov-22	26-Mar-25	26-Mar-25	856	PL1370	PL1390
PL1390	PM Reivew & Approval of O&M Manual for Section 4	21	22-Nov-22	12-Dec-22	27-Mar-25	16-Apr-25	856	PL1380	CD1040, SC41110
PL1400	Prepare & Submit O&M Manual for Section 5	90	23-Oct-24	20-Jan-25	07-Dec-23	05-Mar-24	-321	CD1010	CD1040, PL1410
PL1410	PM Reivew & Comment O&M Manual for Section 5	21	21-Jan-25	10-Feb-25	06-Mar-24	26-Mar-24	-321	PL1400	PL1420
PL1420	Revise & Re-submit O&M Manual for Section 5	30	11-Feb-25	12-Mar-25	27-Mar-24	25-Apr-24	-321	PL1410	PL1430
PL1430	PM Reivew & Approval of O&M Manual for Section 5	21	13-Mar-25	02-Apr-25	26-Apr-24	16-May-24	-321	PL1420	CD1040, SC51110
PL1440	Provision of ICE for Certification of the Design, Cal, Dwgs, Plans and all relevant Doc and Process Commissioning	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
Site Upkeeping		1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316		
PL1450	General Site Upkeeping of the Site	1659	20-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1010, PL1010	CD1040
Safety and Environmental Management		1675	10-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316		
PL1460	Construction Health and Safety Plan	1669	10-Nov-19 A	04-Jun-24	03-Oct-23	16-Apr-25	316	CD1000	CD1040
PL1470	Site Traffic Safety Management Plan	1137	25-Apr-21 A	04-Jun-24	03-Oct-23	16-Apr-25	316	AD1010	CD1040
Compliance with BEAM Requirements		1129	11-Jun-21 A	13-Aug-24	24-Nov-22	16-May-24	-89		
Sludge Dewatering Building		1069	11-Jun-21 A	14-Jun-24	16-Jan-23	16-May-24	-29		
PL1490	Material Submission & Design Calculation Approved	0		11-Jun-21 A		16-Jan-23		S2D1290, S2D1330,	PL1500, SC21120
PL1500	Issued approved submission & Calculation to Cinotech	161	21-Sep-21 A	11-Mar-22 A	16-Jan-23	16-Jan-23		PL1490	PL1510
PL1510	Monthly Review & Submission	500	09-Sep-22 A	21-Jan-24	16-Jan-23	17-Mar-24	56	PL1500	PL1520
PL1520	Submission & Approval of Test Record	60	16-Apr-24	14-Jun-24	18-Mar-24	16-May-24	-29	PL1510, S5T1060	SC51120
CHP Building		1129	11-Jun-21 A	13-Aug-24	24-Nov-22	16-May-24	-89		
PL1530	Material Submission & Design Calculation Approved	0		11-Jun-21 A		24-Nov-22		S2D1610	PL1540, SC21120
PL1540	Issued approved submission & Calculation to Cinotech	168	21-Sep-21 A	11-Mar-22 A	24-Nov-22	24-Nov-22		PL1530	PL1550
PL1550	Monthly Review & Submission	480	22-Nov-22	15-Mar-24	24-Nov-22	17-Mar-24	2	S5CHPC1020, PL1540	PL1560
PL1560	Submission & Approval of Test Record	60	15-Jun-24	13-Aug-24	18-Mar-24	16-May-24	-89	PL1550, S5T1100	SC51120
BIM		1623	24-Oct-19 A	02-Apr-24	05-Dec-23	16-Apr-25	379		
PL1570	Prepare & Submit Construction Stage BIM Execution Plan	30	24-Oct-19 A	22-Nov-19 A	05-Dec-23	05-Dec-23		CD1010	PL1580, PL1630, PL1620
PL1580	PM Reivew & Comment Construction Stage BIM Execution Plan	21	23-Nov-19 A	13-Dec-19 A	05-Dec-23	05-Dec-23		PL1570	PL1590
PL1590	Revise & Re-submit Construction Stage BIM Execution Plan	14	14-Dec-19 A	27-Dec-19 A	05-Dec-23	05-Dec-23		PL1580	PL1600
PL1600	PM Reivew & Approval of Construction Stage BIM Execution Plan	21	28-Dec-19 A	17-Jan-20 A	05-Dec-23	05-Dec-23		PL1590	PL1630, PL1620
PL1610	Contractor Review & Study Design Stage BIM	92	24-Oct-19 A	23-Jan-20 A	05-Dec-23	05-Dec-23		CD1010	CD1040, PL1640,
PL1620	Contractor Develop 1st Construction Stage BIM	60	24-Jan-20 A	23-Mar-20 A	05-Dec-23	05-Dec-23		PL1600, PL1570,	CD1040, PL1640,
PL1630	Review & Update BIM Execution Plan & BIM Model	1415	24-Mar-20 A	06-Feb-24	05-Dec-23	19-Feb-25	379	PL1570, PL1620,	CD1040, PL1640
PL1640	Prepare & Submit the Fully Coordinated BIM	60	09-Dec-23	06-Feb-24	22-Dec-24	19-Feb-25	379	PL1620, PL1630,	PL1650

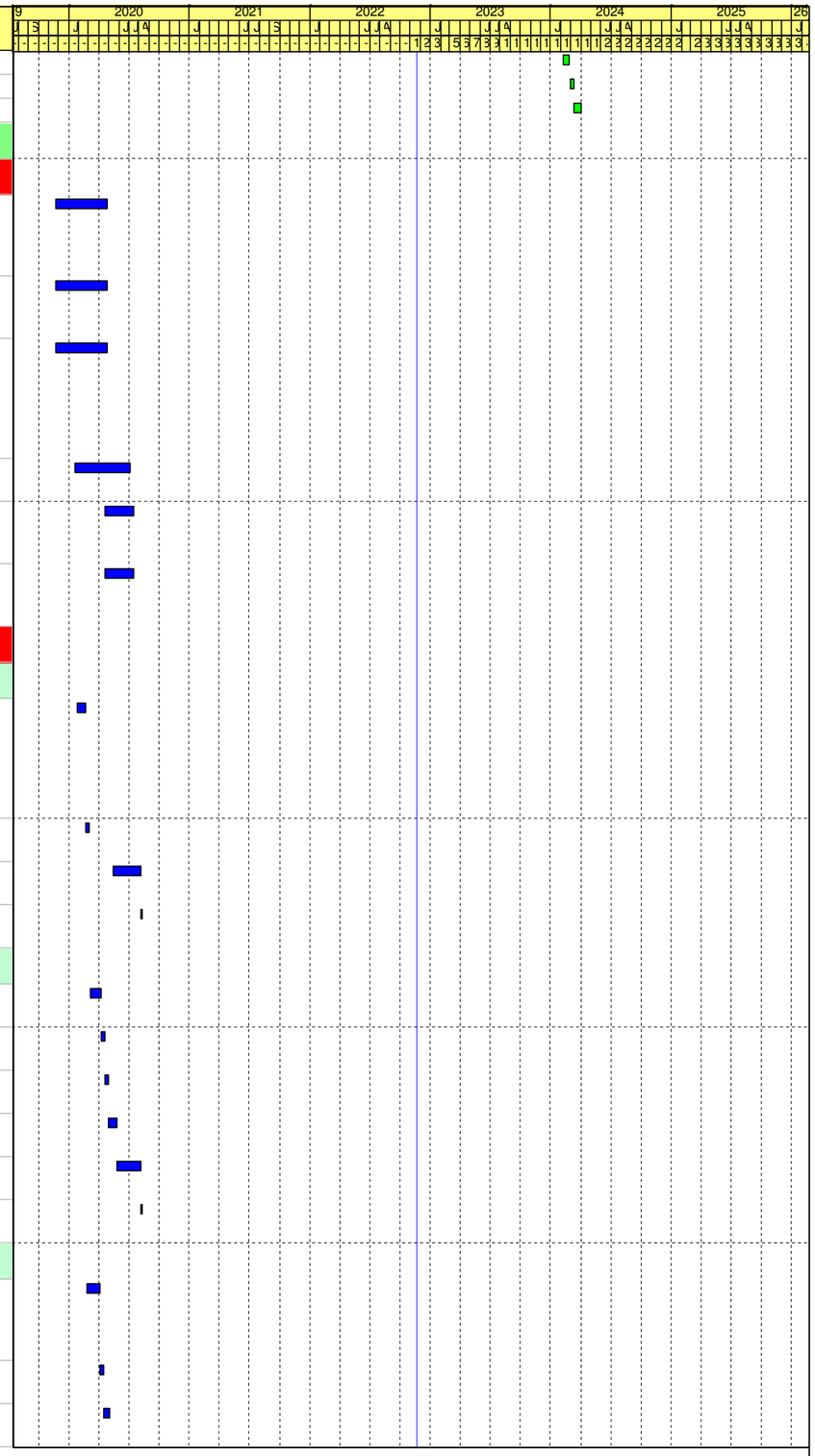


Remaining Work
Critical Activity
Milestone
Actual Progress

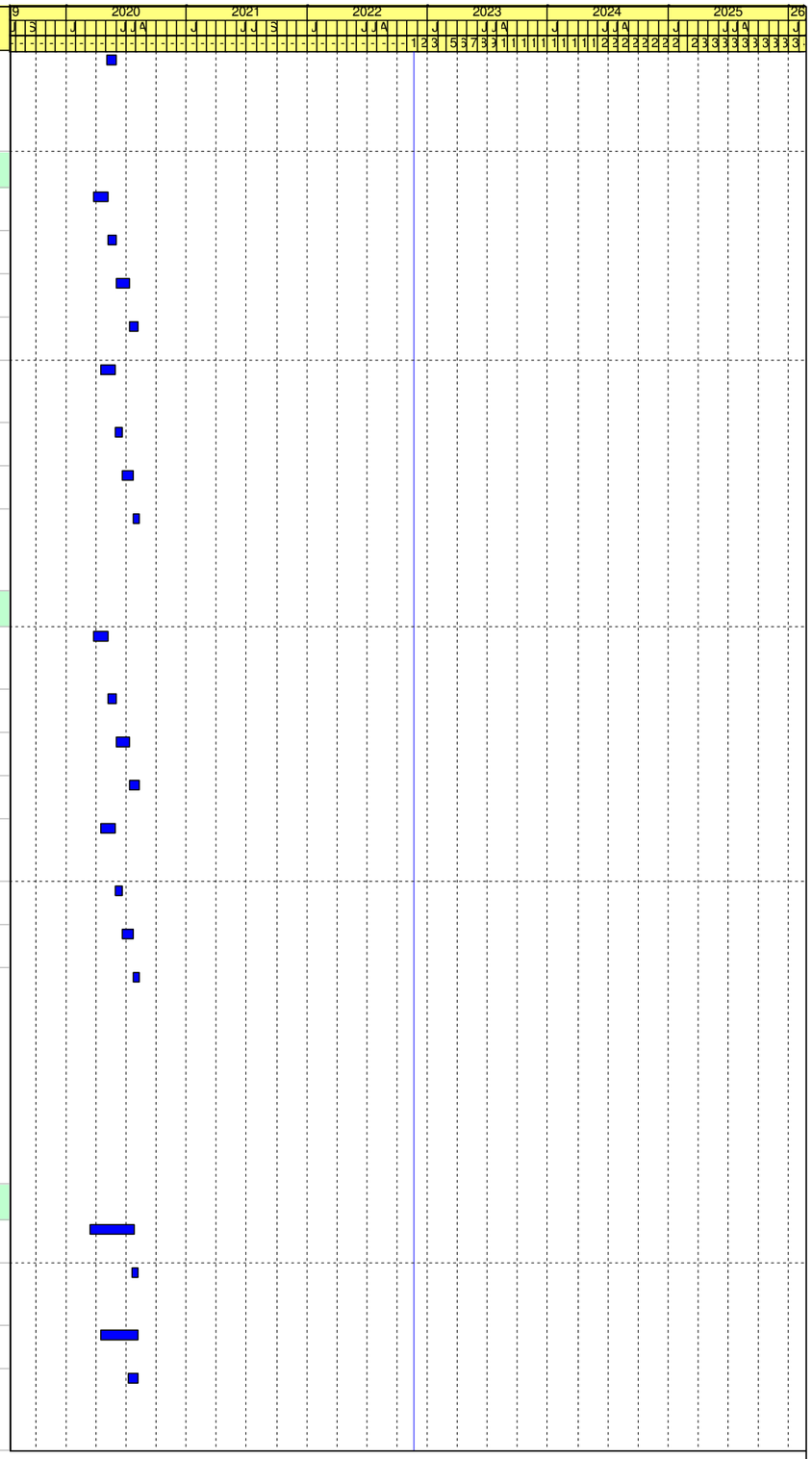
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
PL1650	PM Reivew & Comment Fully Coordinated BIM	21	07-Feb-24	27-Feb-24	20-Feb-25	12-Mar-25	379	PL1640	PL1660
PL1660	Revise & Re-submit Fully Coordinated BIM	14	28-Feb-24	12-Mar-24	13-Mar-25	26-Mar-25	379	PL1650	PL1670
PL1670	PM Reivew & Approval of Fully Coordinated BIM	21	13-Mar-24	02-Apr-24	27-Mar-25	16-Apr-25	379	PL1660	CD1040
Section 1 - Design for UV System No. 1 & Effluent Pumping Station No.1		284	21-Nov-19 A	08-Aug-20 A	31-May-22	16-Apr-25			
Major Plant & Materials Procurement		240	21-Nov-19 A	17-Jul-20 A	31-May-22	15-Feb-23			
S1P1000	Procurement & PO for UV Disinfection System (S10)	150	21-Nov-19 A	28-Apr-20 A	31-May-22	31-May-22		CD1000, CD1010, PL1010	SC11110, S4P1040, S1D1000, S1P1030
S1P1010	Procurement & PO for Lift-up Pumps (S11)	150	21-Nov-19 A	28-Apr-20 A	31-May-22	31-May-22		CD1010, PL1010	SC11110, S4P1070, S1D1000
S1P1020	Procurement & PO for Transfer Pumps (S13)	150	21-Nov-19 A	28-Apr-20 A	31-May-22	31-May-22		CD1010, PL1010	SC11110, S4P1080, S1P1040, S1P1050, S1D1000, S4P1090
S1P1030	Procurement & PO for EOT Cranes (2T & 5T) (S19)	150	19-Jan-20 A	03-Jul-20 A	15-Feb-23	15-Feb-23		S1P1000	SC11110, S4P1100
S1P1040	Procurement & PO for Stoplogs (S21)	90	18-Apr-20 A	17-Jul-20 A	15-Feb-23	15-Feb-23		S1P1020, PL1010	SC11110, S4P1110, S2P1160
S1P1050	Procurement & PO for Penstocks (S21)	90	18-Apr-20 A	17-Jul-20 A	15-Feb-23	15-Feb-23		S1P1020, PL1010	SC11110, S4P1120, S2P1170
Design & Submission		217	27-Jan-20 A	08-Aug-20 A	31-May-22	16-Apr-25			
General Arrangement Drawings		217	27-Jan-20 A	08-Aug-20 A	31-May-22	16-Apr-25			
S1D1000	Prepare & Submit General Arrangement Drawings	90	27-Jan-20 A	19-Feb-20 A	31-May-22	31-May-22		S1P1000, S1P1010, S1P1020, PL1010	S1D1010, S1D1040, S1D1100, S1D1180, S1D1260, S4P1010
S1D1010	Review & Comment on General Arrangement Drawings by PM	21	20-Feb-20 A	04-Mar-20 A	16-Apr-25	16-Apr-25		S1D1000	S1D1020
S1D1020	Revise & Re-submit General Arrangement Drawings	14	16-May-20 A	05-Aug-20 A	16-Apr-25	16-Apr-25		S1D1010	S1D1030
S1D1030	Review & Accept of General Arrangement Drawings by PM	5	06-Aug-20 A	08-Aug-20 A	16-Apr-25	16-Apr-25		S1D1020	SC11110
Civil & Dimensional / Tolerance Requirement Drawings		176	07-Mar-20 A	08-Aug-20 A	15-Feb-23	16-Apr-25			
S1D1040	Prepare & Submit Civil Requirement Drawings	60	07-Mar-20 A	08-Apr-20 A	15-Feb-23	15-Feb-23		CD1010, S1D1000	S1D1050, KD1000
S1D1050	Review & Comment on Civil Requirement Drawings by PM	21	09-Apr-20 A	20-Apr-20 A	16-Apr-25	16-Apr-25		S1D1040	S1D1060
S1D1060	Revise & Re-submit Civil Requirement Drawings	14	21-Apr-20 A	29-Apr-20 A	16-Apr-25	16-Apr-25		S1D1050	S1D1070
S1D1070	Review & Comment of Civil Requirement Drawings by PM	21	30-Apr-20 A	25-May-20 A	16-Apr-25	16-Apr-25		S1D1060	SC11110, S1D1080
S1D1080	Revise & Re-submit Civil Requirement Drawings	28	26-May-20 A	05-Aug-20 A	16-Apr-25	16-Apr-25		S1D1070	S1D1090
S1D1090	Review & Accept of Civil Requirement Drawings by PM	5	06-Aug-20 A	08-Aug-20 A	16-Apr-25	16-Apr-25		S1D1080	SC11110
Electrical Schematic Drawings		116	25-Feb-20 A	03-Jun-20 A	31-May-22	31-May-22			
S1D1100	Prepare & Submit Elec. Schematic Drawings	60	25-Feb-20 A	03-Apr-20 A	31-May-22	31-May-22		CD1010, S1D1000	S1D1110, KD1000, S1D1140, S1D1220
S1D1110	Review & Comment on Elec. Schematic Drawings by PM	21	04-Apr-20 A	16-Apr-20 A	31-May-22	31-May-22		S1D1100	S1D1120
S1D1120	Revise & Re-submit Elec. Schematic Drawings	14	17-Apr-20 A	04-May-20 A	31-May-22	31-May-22		S1D1110	S1D1130



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S1D1130	Review & Accept of Elec. Schematic Drawings by PM	21	05-May-20 A	03-Jun-20 A	31-May-22	31-May-22		S1D1120	S5TXRP1000, S4C1000, S4C1010, S4P1020, SC11110
UV System No. 1		146	24-Mar-20 A	08-Aug-20 A	31-May-22	16-Apr-25			
S1D1140	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	60	24-Mar-20 A	08-May-20 A	31-May-22	31-May-22		CD1010, S1D1100	S1D1150, S1D1180
S1D1150	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	09-May-20 A	01-Jun-20 A	16-Apr-25	16-Apr-25		S1D1140	S1D1160
S1D1160	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	14	02-Jun-20 A	10-Jul-20 A	16-Apr-25	16-Apr-25		S1D1150	S1D1170
S1D1170	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	11-Jul-20 A	06-Aug-20 A	16-Apr-25	16-Apr-25		S1D1160	SC11110
S1D1180	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	60	15-Apr-20 A	29-May-20 A	31-May-22	31-May-22		CD1010, S1D1140, S1D1000	S1D1190, S4C1020
S1D1190	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	30-May-20 A	19-Jun-20 A	31-May-22	31-May-22		S1D1180	S1D1200
S1D1200	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	14	20-Jun-20 A	23-Jul-20 A	31-May-22	31-May-22		S1D1190	S1D1210
S1D1210	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	14	24-Jul-20 A	08-Aug-20 A	31-May-22	31-May-22		S1D1200	S4P1040, S5TXRP1000, S5TXRP1010, SC11110
Effluent Pumping Station No. 1		139	24-Mar-20 A	08-Aug-20 A	31-May-22	16-Apr-25			
S1D1220	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	60	24-Mar-20 A	08-May-20 A	31-May-22	31-May-22		CD1010, S1D1100	S1D1230, S1D1260, S1D1300
S1D1230	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	09-May-20 A	01-Jun-20 A	16-Apr-25	16-Apr-25		S1D1220	S1D1240
S1D1240	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	14	02-Jun-20 A	10-Jul-20 A	16-Apr-25	16-Apr-25		S1D1230	S1D1250
S1D1250	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	11-Jul-20 A	08-Aug-20 A	16-Apr-25	16-Apr-25		S1D1240	SC11110
S1D1260	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	60	15-Apr-20 A	29-May-20 A	31-May-22	31-May-22		CD1010, S1D1220, S1D1000	S1D1270, S4C1020
S1D1270	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	30-May-20 A	19-Jun-20 A	31-May-22	31-May-22		S1D1260	S1D1280
S1D1280	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	14	20-Jun-20 A	23-Jul-20 A	31-May-22	31-May-22		S1D1270	S1D1290
S1D1290	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	14	24-Jul-20 A	08-Aug-20 A	31-May-22	31-May-22		S1D1280	S4P1110, S4P1120, S4P1070, S4P1080, S4P1090, S4P1100, S5TXRP1000, S5TXRP1010, S5TXRP1020, S4P1130, SC11110
Building Services		147	15-Mar-20 A	06-Aug-20 A	12-Oct-22	27-Mar-25			
S1D1300	Prepare & Submit BS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	90	15-Mar-20 A	27-Jul-20 A	12-Oct-22	12-Oct-22		S1D1220	S1D1320, S1D1310
S1D1310	Review & Accept of BS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	8	21-Jul-20 A	05-Aug-20 A	12-Oct-22	12-Oct-22		S1D1300	SC11110, S5TXRC1030, S4C1110
S1D1320	Prepare & Submit FS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	60	14-Apr-20 A	05-Aug-20 A	27-Mar-25	27-Mar-25		S1D1300	S1D1330
S1D1330	Review & Accept of FS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	8	09-Jul-20 A	06-Aug-20 A	27-Mar-25	27-Mar-25		S1D1320	SC11110, S4P1030, S4P1140, S4P1150

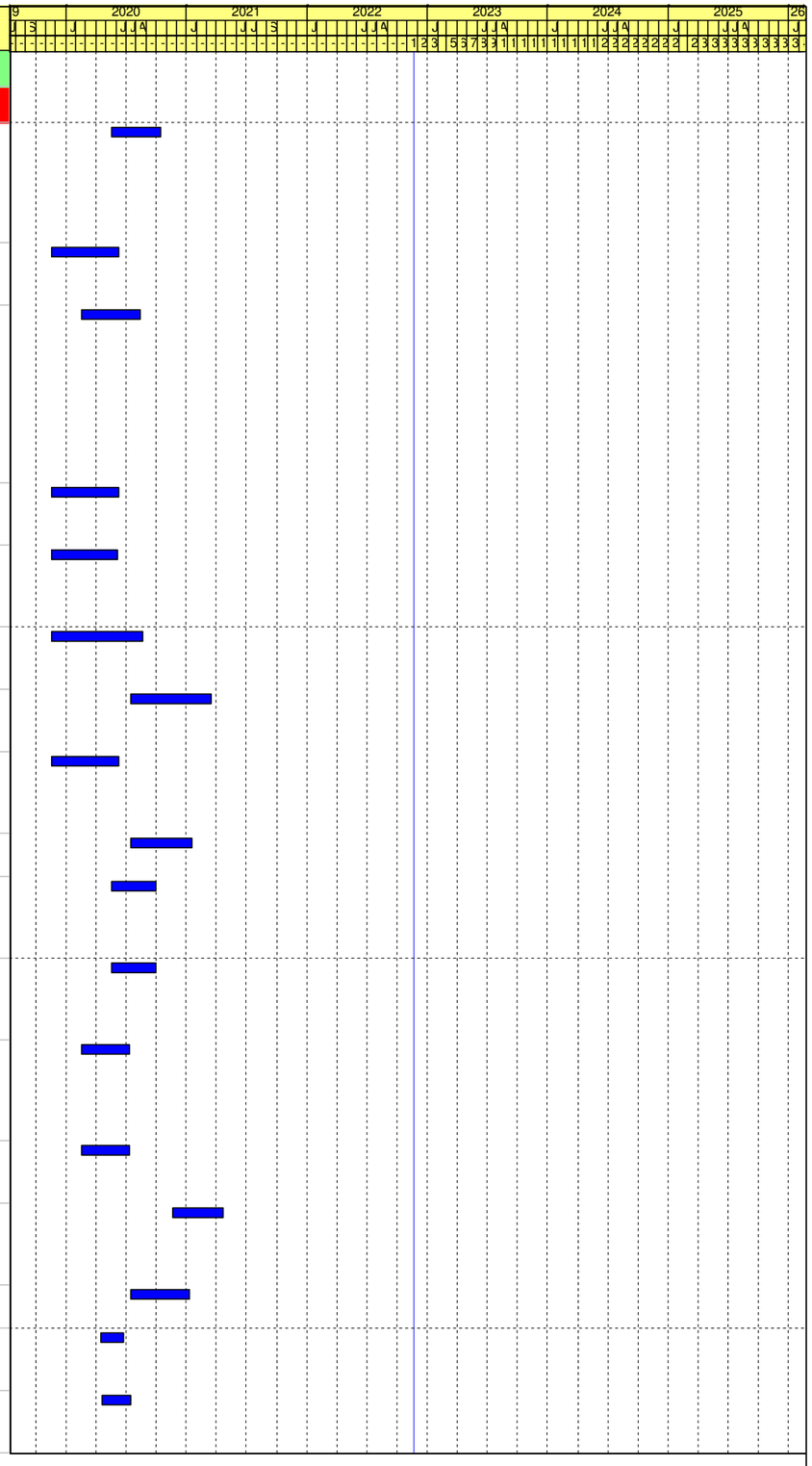


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Section 2 - Complete All Designs (exclude Sec. 1 & 3)		943	20-Nov-19 A	21-Nov-22	31-Oct-21	16-Apr-25	877		
Major Plant & Materials Procurement		571	20-Nov-19 A	23-Apr-21 A	13-Apr-22	16-Apr-25			
S2P1000	Procurement & PO for Sludge Screening System (S2)	150	18-May-20 A	16-Oct-20 A	06-May-22	06-May-22		S2P1020	SC21110, S2D1260, S5P1000, S2P1060, S2P1150, S5P1030
S2P1010	Procurement & PO for Sludge Thickening System (S3)	180	20-Nov-19 A	08-Jun-20 A	06-May-22	06-May-22		PL1010, CD1010	SC21110, S2D1300, S2P1030
S2P1020	Procurement & PO for Sludge Digestion System (S5)	150	18-Feb-20 A	12-Aug-20 A	06-May-22	06-May-22		CD1010, S2P1040	SC21110, S5DIGP1000, S2D1420, S5DIGP1010, S2P1180, S2P1210, S5P1040, S2P1000, S5P1020
S2P1030	Procurement & PO for Sludge Dewatering System (S6)	180	20-Nov-19 A	08-Jun-20 A	06-May-22	06-May-22		PL1010, CD1010, S2P1010	SC21110, S2D1460
S2P1040	Procurement & PO for THP System (S4)	180	20-Nov-19 A	05-Jun-20 A	13-Apr-22	13-Apr-22		CD1010, PL1010	SC21110, S5THPP1000, S2D1340, S2P1020
S2P1050	Procurement & PO for Biogas Holding Tanks(S7)	180	20-Nov-19 A	20-Aug-20 A	06-May-22	06-May-22		PL1010	SC21110, S5BIOP1010, S2D1500
S2P1060	Procurement & PO for H2S Removal System (S7)	234	17-Jul-20 A	17-Mar-21 A	06-May-22	06-May-22		S2P1000	SC21110, S5H2SP1000, S2D1500
S2P1070	Procurement & PO for CHP System (S8)	180	20-Nov-19 A	08-Jun-20 A	06-May-22	06-May-22		PL1010	SC21110, S5CHPP1010, S2D1540, S2P1110
S2P1080	Procurement & PO for Waste Gas Burning System (S9)	150	17-Jul-20 A	15-Jan-21 A	09-Sep-22	09-Sep-22			SC21110, S5WGBP1000
S2P1090	Procurement & PO for Plant Service Water System (S12)	150	18-May-20 A	30-Sep-20 A	06-May-22	06-May-22			SC21110, S5PSWP1000, S2D1660, S2P1190
S2P1100	Procurement & PO for SAS Pumping System (S14)	150	18-May-20 A	30-Sep-20 A	05-Jul-22	05-Jul-22			SC21110, S5SASP1000, S2D1700, S2P1220
S2P1110	Procurement & PO for Transfomers (S17)	150	18-Feb-20 A	13-Jul-20 A	06-May-22	06-May-22		S2P1070	SC21110, S5WS2P1000, S2P1120, S2P1140, S5TXRP1000
S2P1120	Procurement & PO for 11 kV Switchboard (S17)	150	18-Feb-20 A	13-Jul-20 A	06-May-22	06-May-22		S2P1110	SC21110, S5WS2P1060, S2P1130
S2P1130	Procurement & PO for 380V Switchboard (S17)	174	21-Nov-20 A	23-Apr-21 A	06-May-22	06-May-22		S2P1120, S2D1220	SC21110, S5WS2P1090, S5P1050, S5TXRP1010
S2P1140	Procurement & PO for Control & Monitoring System (S18)	183	17-Jul-20 A	11-Jan-21 A	27-Jan-23	27-Jan-23		PL1010, S2P1110	SC21110, S5TXRP1020
S2P1150	Procurement & PO for DO System (S21)	150	15-Apr-20 A	24-Jun-20 A	03-Nov-22	03-Nov-22		S2P1000	SC21110, S5DOUP1000, S2D1930
S2P1160	Procurement & PO for Stoplog (S21)	90	18-Apr-20 A	17-Jul-20 A	12-Mar-23	12-Mar-23		PL1010, S1P1040	SC21110, S5SASP1010, S2P1170

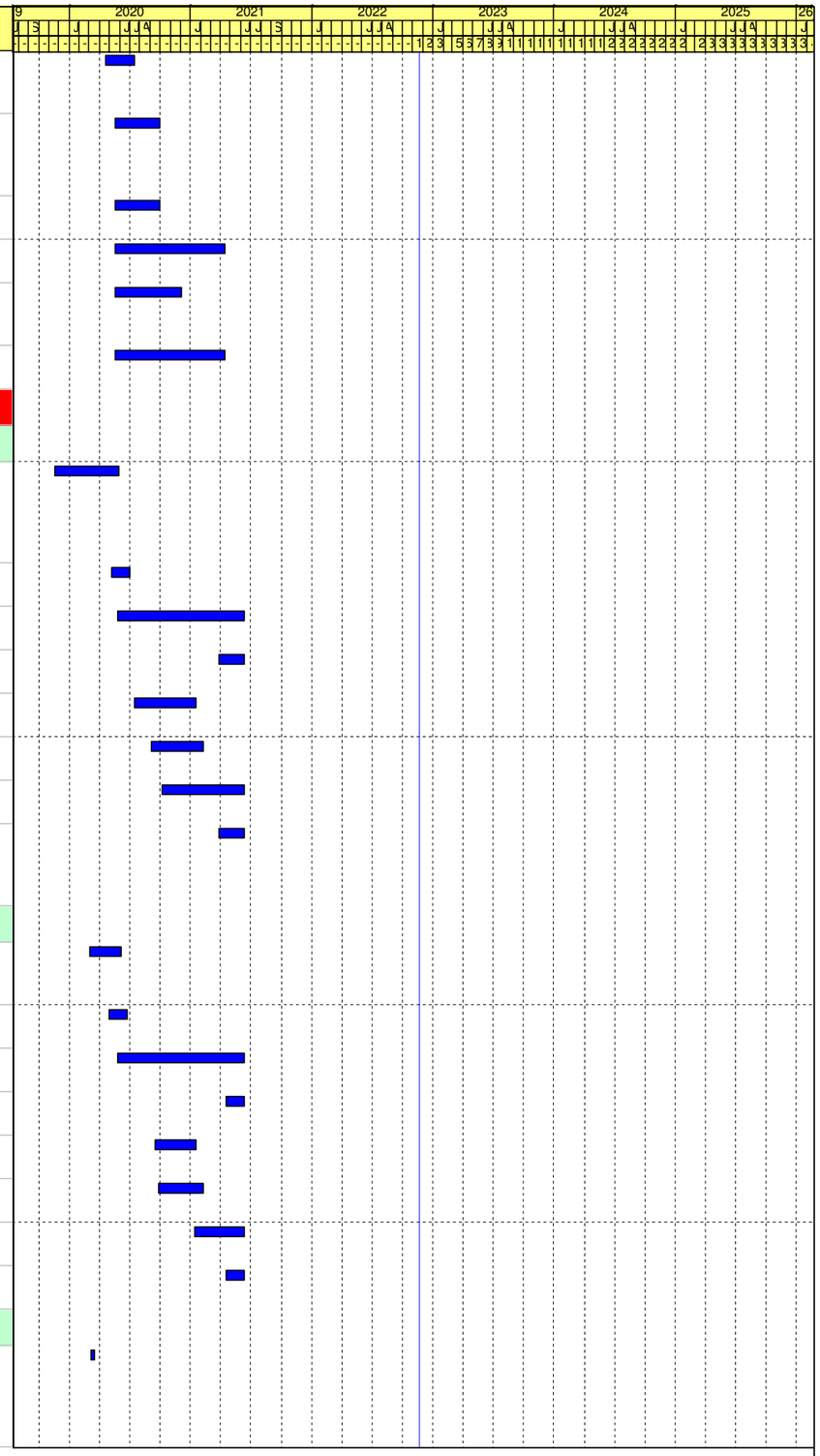


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S2P1170	Procurement & PO for Penstock (S21)	90	18-Apr-20 A	17-Jul-20 A	12-Mar-23	12-Mar-23		PL1010, S2P1160, S1P1050	SC21110, S5SASP1020
S2P1180	Procurement & PO for Sewage Pump (S21)	120	18-May-20 A	30-Sep-20 A	13-Nov-22	13-Nov-22		S2P1020	SC21110, S5SPSP1000, S2D1940, S2P1200
S2P1190	Procurement & PO for Process Water Pump (S21)	120	18-May-20 A	30-Sep-20 A	16-Apr-25	16-Apr-25		S2P1090	SC21110, S2D1950
S2P1200	Procurement & PO for External Sludge Transfer Pump (S21)	348	18-May-20 A	14-Apr-21 A	29-Dec-22	29-Dec-22		S2P1180	SC21110, S2D1960
S2P1210	Procurement & PO for THP Cooling Pump (S21)	150	18-May-20 A	04-Dec-20 A	29-Dec-22	29-Dec-22		S2P1020	SC21110, S5TCWP1000, S2D1970
S2P1220	Procurement & PO for Temporary Primary Sludge Pump (S21)	348	18-May-20 A	14-Apr-21 A	05-Jul-22	05-Jul-22		PL1010, S2P1100	SC21110, S5ECHP1000
Design & Submission		860	20-Nov-19 A	11-Jun-21 A	13-Apr-22	16-Apr-25			
General Arrangement Drawings		715	20-Nov-19 A	11-Jun-21 A	13-Apr-22	16-Apr-25			
S2D1000	Prepare & Submit General Arrangement Drawings (from formation level up to +8mPD)	180	20-Nov-19 A	29-May-20 A	13-Apr-22	13-Apr-22		PL1010	S2D1010, S2D1080, S2D1160, S2D1040, S2D1340
S2D1010	Review & Comment on General Arrangement Drawings by PM (from formation level up to +8mPD)	21	07-May-20 A	02-Jul-20 A	16-Apr-25	16-Apr-25		S2D1000	S2D1020
S2D1020	Revise & Re-submit General Arrangement Drawings (from formation level up to +8mPD)	381	26-May-20 A	10-Jun-21 A	16-Apr-25	16-Apr-25		S2D1010	S2D1030
S2D1030	Review & Accept of General Arrangement Drawings by PM (from formation level up to +8mPD)	77	26-Mar-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1020	SC21110
S2D1040	Prepare & Submit General Arrangement Drawings (remaining)	177	17-Jul-20 A	15-Jan-21 A	01-Jun-22	01-Jun-22		PL1010, S2D1000	S2D1050, S2D1120
S2D1050	Review & Comment on General Arrangement Drawings by PM (remaining)	21	05-Sep-20 A	08-Feb-21 A	01-Jun-22	01-Jun-22		S2D1040	S2D1060
S2D1060	Revise & Re-submit General Arrangement Drawings (remaining)	248	06-Oct-20 A	10-Jun-21 A	01-Jun-22	01-Jun-22		S2D1050	S2D1070
S2D1070	Review & Accept of General Arrangement Drawings by PM (remaining)	77	26-Mar-21 A	11-Jun-21 A	01-Jun-22	01-Jun-22		S2D1060	SC21110, S5S1060, S5P1010, S5S1050
Civil & Dimensional / Tolerance Requirement Drawings		522	04-Mar-20 A	11-Jun-21 A	06-May-22	16-Apr-25			
S2D1080	Prepare & Submit Civil Requirement Drawings (from formation level up to +8mPD) -KD2A	90	04-Mar-20 A	04-Jun-20 A	06-May-22	06-May-22		S2D1000	S2D1090, S2D1660, KD1010
S2D1090	Review & Comment on Civil Requirement Drawings by PM (from formation level up to +8mPD)	21	30-Apr-20 A	23-Jun-20 A	03-Aug-22	03-Aug-22		S2D1080	S2D1100
S2D1100	Revise & Re-submit Civil Requirement Drawings (from formation level up to +8mPD)	381	26-May-20 A	10-Jun-21 A	03-Aug-22	03-Aug-22		S2D1090	S2D1110
S2D1110	Review & Accept of Civil Requirement Drawings by PM (from formation level up to +8mPD)	55	17-Apr-21 A	11-Jun-21 A	03-Aug-22	03-Aug-22		S2D1100	SC21110, AD1120
S2D1120	Prepare & Submit Civil Requirement Drawings (remaining) -KD2B	120	15-Sep-20 A	15-Jan-21 A	16-Apr-25	16-Apr-25		S2D1040	S2D1130, KD1020
S2D1130	Review & Comment on Civil Requirement Drawings by PM (remaining)	21	28-Sep-20 A	08-Feb-21 A	16-Apr-25	16-Apr-25		S2D1120	S2D1140
S2D1140	Revise & Re-submit Civil Requirement Drawings (remaining)	150	12-Jan-21 A	10-Jun-21 A	16-Apr-25	16-Apr-25		S2D1130	S2D1150
S2D1150	Review & Accept of Civil Requirement Drawings by PM (remaining)	55	17-Apr-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1140	SC21110
Electrical Schematic Drawings		754	05-Mar-20 A	11-Jun-21 A	06-May-22	16-Apr-25			
S2D1160	Prepare & Elec. Schematic Drawings (from formation level up to +8mPD) -KD2A	90	05-Mar-20 A	16-Mar-20 A	06-May-22	06-May-22		S2D1000	S2D1170, S2D1260, S2D1660, KD1010, S2D1220

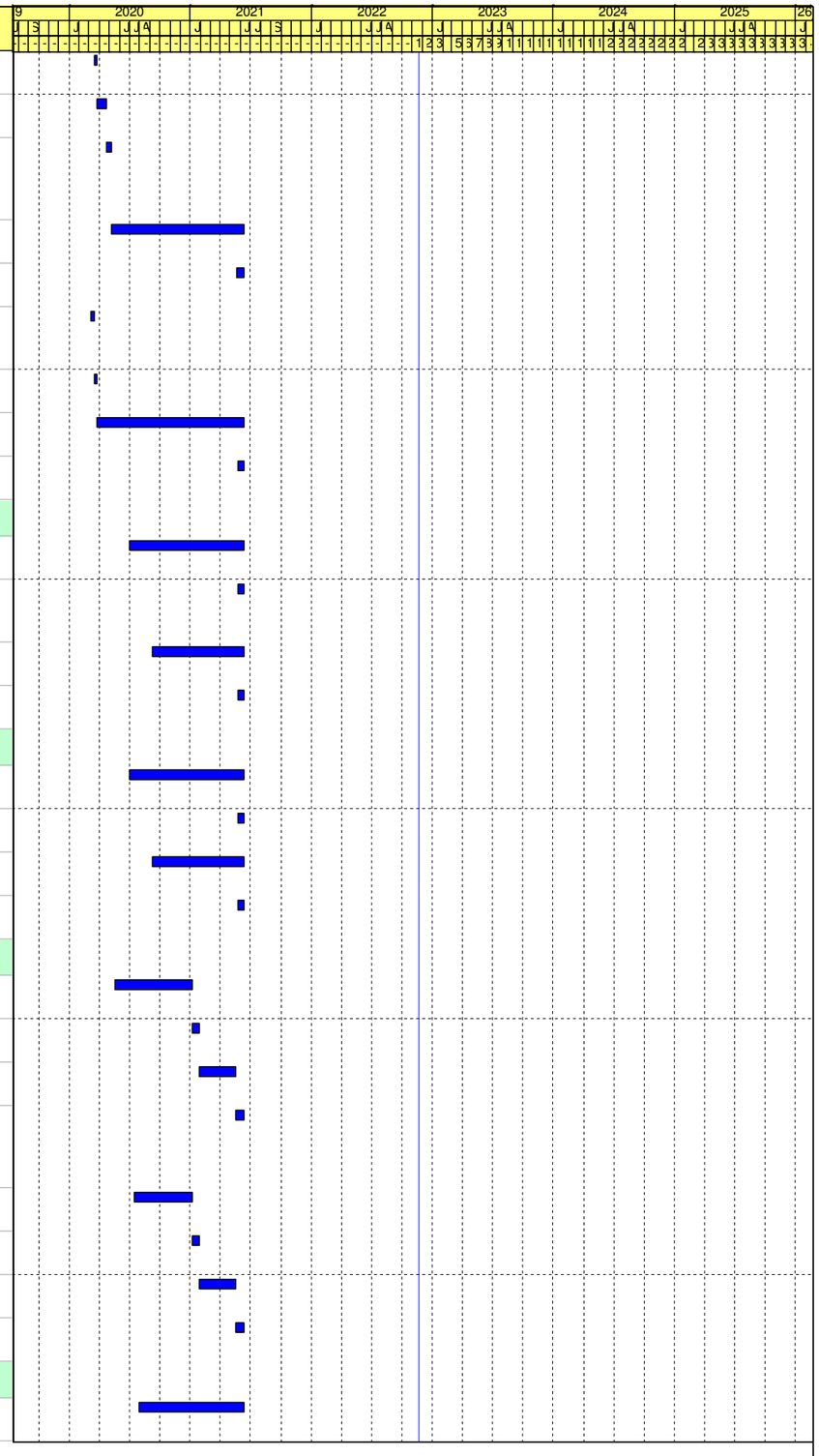


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S2D1170	Review & Comment on Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	17-Mar-20 A	24-Mar-20 A	06-May-22	06-May-22		S2D1160	S2D1180
S2D1180	Revise & Re-submit Elec. Schematic Drawings (from formation level up to +8mPD)	28	25-Mar-20 A	23-Apr-20 A	06-May-22	06-May-22		S2D1170	S2D1190, S2D1220
S2D1190	Review & Comment of Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	24-Apr-20 A	08-May-20 A	06-May-22	06-May-22		S2D1180	S2D1250, S5WS2P1090, S2D1220, S2D1200
S2D1200	Revise & Re-submit Elec. Schematic Drawings (from formation level up to +8mPD)	398	09-May-20 A	10-Jun-21 A	16-Apr-25	16-Apr-25		S2D1190	S2D1210
S2D1210	Review & Accept of Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	21-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1200	SC21110
S2D1220	Prepare & Submit Elec. Schematic Drawings (remaining) -KD2B	120	05-Mar-20 A	16-Mar-20 A	06-May-22	06-May-22		S2D1160, S2D1180, S2D1190	S2D1230, KD1020, S2P1130
S2D1230	Review & Comment on Elec. Schematic Drawings by PM (remaining)	21	17-Mar-20 A	24-Mar-20 A	08-Aug-22	08-Aug-22		S2D1220	S2D1240
S2D1240	Revise & Re-submit Elec. Schematic Drawings (remaining)	443	25-Mar-20 A	10-Jun-21 A	08-Aug-22	08-Aug-22		S2D1230	S2D1250
S2D1250	Review & Accept of Elec. Schematic Drawings by PM (remaining)	21	24-May-21 A	11-Jun-21 A	08-Aug-22	08-Aug-22		S2D1240, S2D1190	SC21110, S5WS2P1090
Sludge Screening (SSc)		357	02-Jul-20 A	11-Jun-21 A	06-May-22	16-Jan-23			
S2D1260	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	06-May-22	06-May-22		S2D1160, S2P1000	S2D1270
S2D1270	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1260	S5WS2P1090, S5P1050, SC21110
S2D1280	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	274	10-Sep-20 A	10-Jun-21 A	16-Jan-23	16-Jan-23			S2D1290
S2D1290	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	16-Jan-23	16-Jan-23		S2D1280	SC21110, PL1490
Sludge Thickening (STh)		357	02-Jul-20 A	11-Jun-21 A	06-May-22	16-Jan-23			
S2D1300	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	06-May-22	06-May-22		S2P1010	S2D1310
S2D1310	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1300	SC21110, S5P1050
S2D1320	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	274	10-Sep-20 A	10-Jun-21 A	16-Jan-23	16-Jan-23			S2D1330
S2D1330	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	16-Jan-23	16-Jan-23		S2D1320	SC21110, PL1490
Thermal Hydrolysis Process (THP)		416	18-May-20 A	11-Jun-21 A	13-Apr-22	02-Nov-22			
S2D1340	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	241	18-May-20 A	07-Jan-21 A	13-Apr-22	13-Apr-22		S2P1040, S2D1000	S2D1350, S2D1970
S2D1350	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	08-Jan-21 A	27-Jan-21 A	13-Apr-22	13-Apr-22		S2D1340	S2D1360
S2D1360	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	117	28-Jan-21 A	17-May-21 A	13-Apr-22	13-Apr-22		S2D1350	S2D1370
S2D1370	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	24	18-May-21 A	11-Jun-21 A	13-Apr-22	13-Apr-22		S2D1360	SC21110, S5THPP1000, S5TCWP1000, S5P1050
S2D1380	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	180	17-Jul-20 A	07-Jan-21 A	02-Nov-22	02-Nov-22			S2D1390
S2D1390	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	08-Jan-21 A	27-Jan-21 A	02-Nov-22	02-Nov-22		S2D1380	S2D1400
S2D1400	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	117	28-Jan-21 A	17-May-21 A	02-Nov-22	02-Nov-22		S2D1390	S2D1410
S2D1410	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	24	18-May-21 A	11-Jun-21 A	02-Nov-22	02-Nov-22		S2D1400	S5THPP1000, SC21110
Sludge Digestion (SDi)		325	01-Aug-20 A	11-Jun-21 A	06-May-22	22-Jul-22			
S2D1420	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	314	01-Aug-20 A	10-Jun-21 A	06-May-22	06-May-22		S2P1020	S2D1430

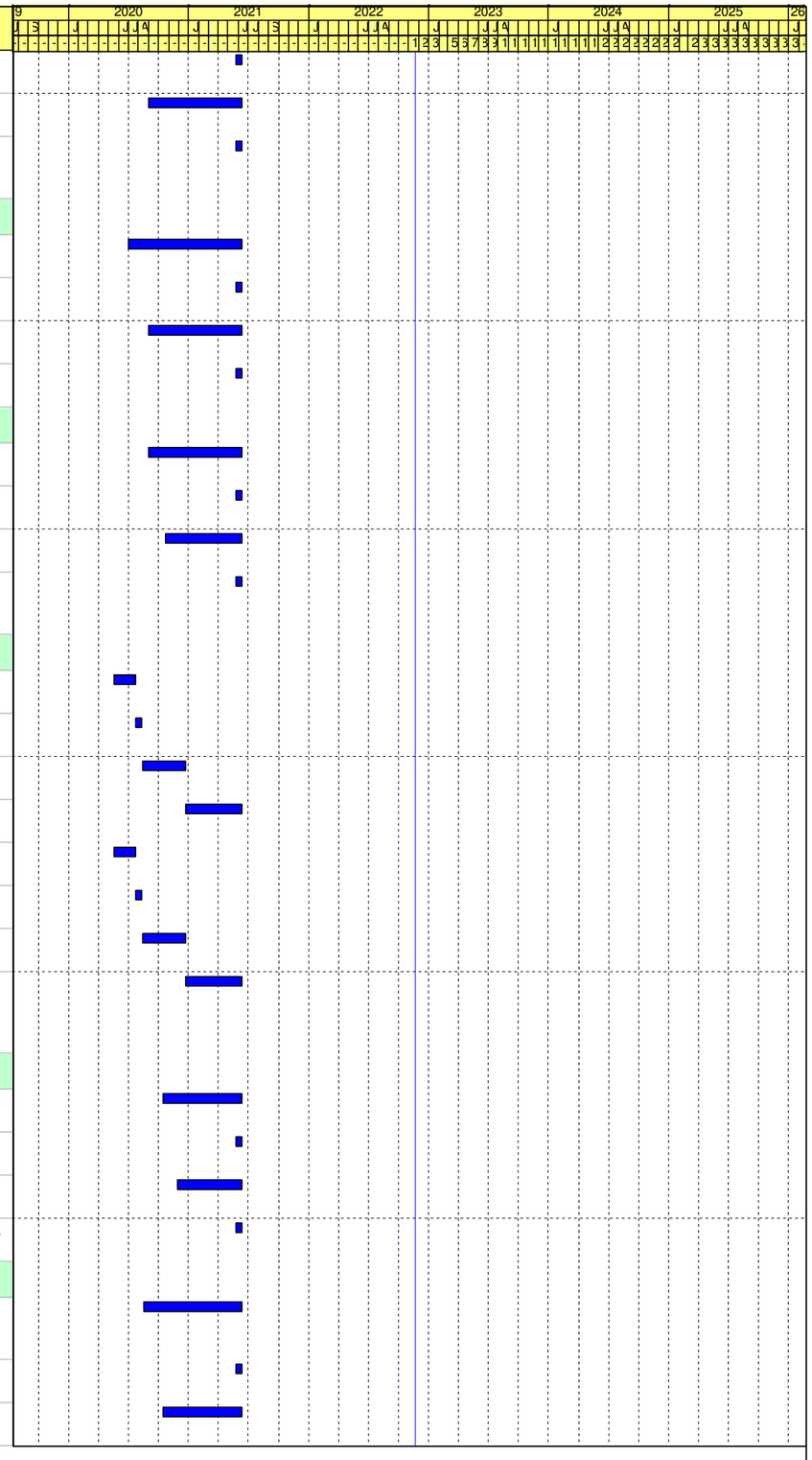


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S2D1430	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1420	SC21110, S5P1050
S2D1440	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	284	31-Aug-20 A	10-Jun-21 A	22-Jul-22	22-Jul-22			S2D1450
S2D1450	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	22-Jul-22	22-Jul-22		S2D1440	S5DIGP1000, SC21110, PL1490
Sludge Dewatering (SDe)		357	02-Jul-20 A	11-Jun-21 A	06-May-22	16-Jan-23			
S2D1460	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	06-May-22	06-May-22		S2P1030	S2D1470
S2D1470	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1460	SC21110, S5P1050
S2D1480	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	284	31-Aug-20 A	10-Jun-21 A	16-Jan-23	16-Jan-23			S2D1490
S2D1490	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	16-Jan-23	16-Jan-23		S2D1480	SC21110, PL1490
Biogas Storage & Pre-Treatment (BSPT)		295	31-Aug-20 A	11-Jun-21 A	06-May-22	01-Jun-22			
S2D1500	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	284	31-Aug-20 A	10-Jun-21 A	06-May-22	06-May-22		S2P1060, S2P1050	S2D1510
S2D1510	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1500	SC21110, S5P1050
S2D1520	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	232	22-Oct-20 A	10-Jun-21 A	01-Jun-22	01-Jun-22			S2D1530
S2D1530	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	01-Jun-22	01-Jun-22		S2D1520	S5BIOP1010, S5H2SP1000, SC21110
Combined Heat & Power Generation (CHP)		512	18-May-20 A	11-Jun-21 A	06-May-22	04-Jun-22			
S2D1540	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	233	18-May-20 A	21-Jul-20 A	06-May-22	06-May-22		S2P1070	S2D1550
S2D1550	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	22-Jul-20 A	11-Aug-20 A	06-May-22	06-May-22		S2D1540	S2D1560, S2D1870
S2D1560	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	28	12-Aug-20 A	21-Dec-20 A	06-May-22	06-May-22		S2D1550	S2D1570
S2D1570	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	171	22-Dec-20 A	11-Jun-21 A	06-May-22	06-May-22		S2D1560	SC21110, S5P1050
S2D1580	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	180	18-May-20 A	21-Jul-20 A	04-Jun-22	04-Jun-22			S2D1590
S2D1590	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	22-Jul-20 A	11-Aug-20 A	04-Jun-22	04-Jun-22		S2D1580	S2D1600
S2D1600	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	28	12-Aug-20 A	21-Dec-20 A	04-Jun-22	04-Jun-22		S2D1590	S2D1610
S2D1610	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	171	22-Dec-20 A	11-Jun-21 A	04-Jun-22	04-Jun-22		S2D1600	S5CHPP1010, SC21110, S5S1020, PL1530
Waste Gas Burning System (WGB)		264	15-Oct-20 A	11-Jun-21 A	06-May-22	09-Sep-22			
S2D1620	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	239	15-Oct-20 A	10-Jun-21 A	06-May-22	06-May-22			S2D1630
S2D1630	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1620	SC21110, S5P1050
S2D1640	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	194	29-Nov-20 A	10-Jun-21 A	09-Sep-22	09-Sep-22			S2D1650
S2D1650	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	09-Sep-22	09-Sep-22		S2D1640	S5WGBP1000, SC21110
Plant Service Water System (PSW)		325	16-Aug-20 A	11-Jun-21 A	06-May-22	16-Aug-22			
S2D1660	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	299	16-Aug-20 A	10-Jun-21 A	06-May-22	06-May-22		S2D1080, S2D1160, S2P1090	S2D1670
S2D1670	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	06-May-22	06-May-22		S2D1660	SC21110, S5P1050
S2D1680	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	239	15-Oct-20 A	10-Jun-21 A	16-Aug-22	16-Aug-22			S2D1690

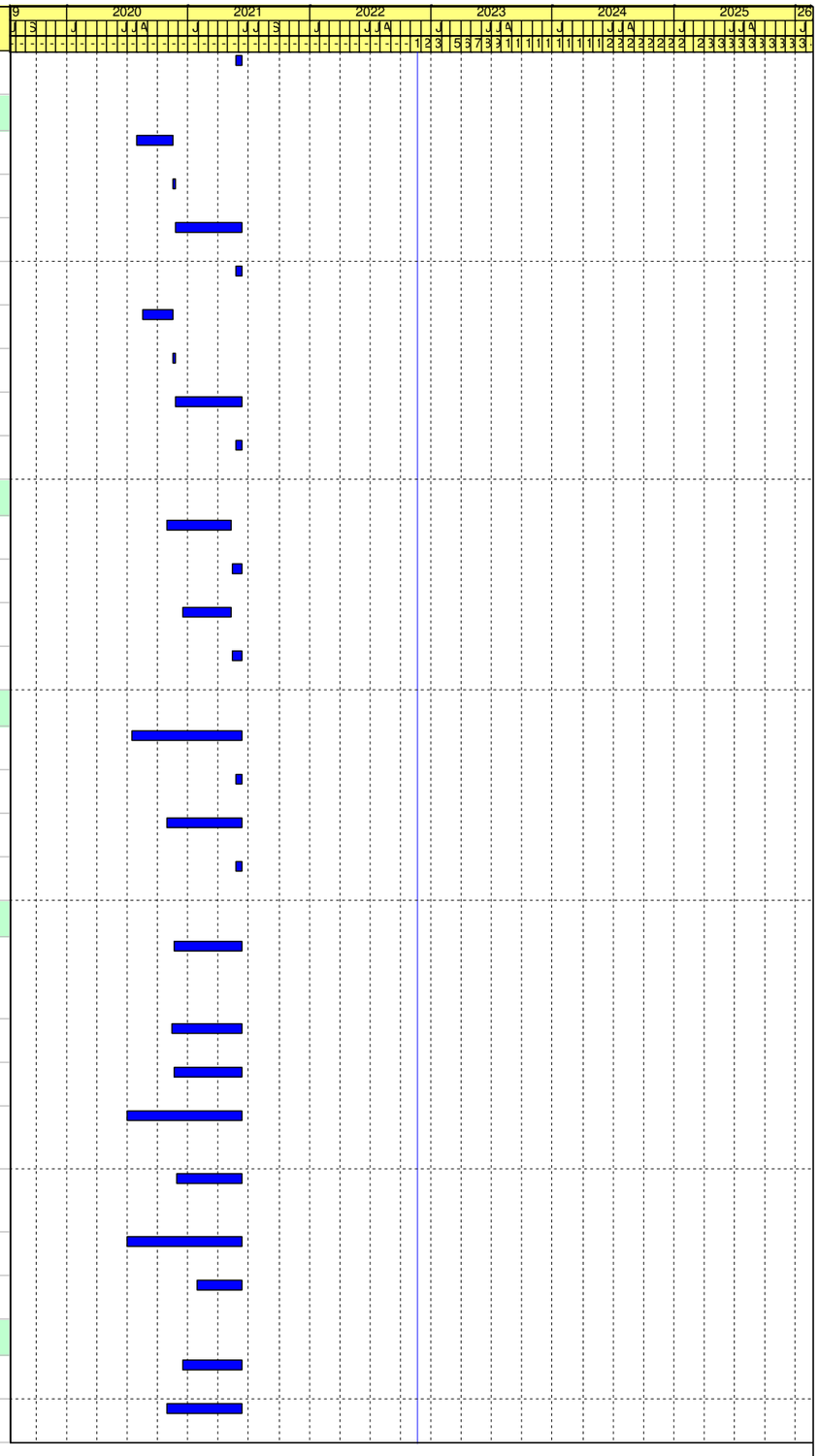


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S2D1690	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	16-Aug-22	16-Aug-22		S2D1680	S5PSWP1000, SC21110
Surplus Activated Sludge Pumping Station (SAS)		440	01-Aug-20 A	11-Jun-21 A	18-Feb-23	16-Apr-25			
S2D1700	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	202	01-Aug-20 A	17-Nov-20 A	16-Apr-25	16-Apr-25		S2P1100	S2D1710
S2D1710	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	18-Nov-20 A	24-Nov-20 A	16-Apr-25	16-Apr-25		S2D1700	S2D1720
S2D1720	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	198	25-Nov-20 A	10-Jun-21 A	16-Apr-25	16-Apr-25		S2D1710	S2D1730
S2D1730	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1720	SC21110
S2D1740	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	183	16-Aug-20 A	17-Nov-20 A	18-Feb-23	18-Feb-23			S2D1750
S2D1750	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	18-Nov-20 A	24-Nov-20 A	18-Feb-23	18-Feb-23		S2D1740	S2D1760
S2D1760	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	198	25-Nov-20 A	10-Jun-21 A	18-Feb-23	18-Feb-23		S2D1750	S2D1770
S2D1770	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	18-Feb-23	18-Feb-23		S2D1760	S5SASP1000, SC21110
Control and Monitoring System		211	30-Oct-20 A	11-Jun-21 A	16-Apr-25	16-Apr-25			
S2D1780	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	193	30-Oct-20 A	11-May-21 A	16-Apr-25	16-Apr-25			S2D1790
S2D1790	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	30	12-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1780	SC21110
S2D1800	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	148	14-Dec-20 A	11-May-21 A	16-Apr-25	16-Apr-25			S2D1810
S2D1810	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	30	12-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1800	SC21110
Lifting Appliances		358	17-Jul-20 A	11-Jun-21 A	16-Apr-25	16-Apr-25			
S2D1820	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	329	17-Jul-20 A	10-Jun-21 A	16-Apr-25	16-Apr-25			S2D1830
S2D1830	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1820	SC21110
S2D1840	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	224	30-Oct-20 A	10-Jun-21 A	16-Apr-25	16-Apr-25			S2D1850
S2D1850	Review & Acceptt on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1840	SC21110
Building Services		357	02-Jul-20 A	11-Jun-21 A	22-May-22	16-Apr-25			
S2D1860	Submit & Accept BS Works Design & Dwgs for Sludge Dewatering Building	202	21-Nov-20 A	11-Jun-21 A	22-May-22	22-May-22			SC21110, S5S1260, S5S1010, S5S1120
S2D1870	Submit & Accept BS Works Design & Dwgs for CHP Building	209	14-Nov-20 A	11-Jun-21 A	11-Feb-23	11-Feb-23		S2D1550	SC21110, S5S1120
S2D1880	Submit & Accept BS Works Design & Dwgs for Sludge Digester & Distribution Chamber	202	21-Nov-20 A	11-Jun-21 A	11-Feb-23	11-Feb-23			SC21110, S5S1120
S2D1890	Submit & Accept BS Works Design & Dwgs for Workshop No. 2	344	02-Jul-20 A	11-Jun-21 A	03-Aug-22	03-Aug-22			SC21110, S5S1030, S5S1120
S2D1900	Submit & Accept BS Works Design & Dwgs for Other Facilities	194	29-Nov-20 A	11-Jun-21 A	11-Feb-23	11-Feb-23			S2D1920, SC21110, S5S1120
S2D1910	Submit & Accept BS Works Design & Dwgs for FS Installation	344	02-Jul-20 A	11-Jun-21 A	11-Feb-23	11-Feb-23			SC21110, S5S1120
S2D1920	Submit & Accept BS Works Design & Dwgs for Outdoor Lighting Installation	134	28-Jan-21 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2D1900	SC21110
Miscellaneous		264	05-Oct-20 A	11-Jun-21 A	05-Jul-22	16-Apr-25			
S2D1930	Submit & Accept Design & Dwgs for DO System	179	14-Dec-20 A	11-Jun-21 A	03-Nov-22	03-Nov-22		S2P1150, PL1020	S5DOUP1000, SC21110
S2D1940	Submit & Accept Design & Dwgs for Sewage Pumping Station	224	30-Oct-20 A	11-Jun-21 A	13-Nov-22	13-Nov-22		S2P1180	S5SPSP1000, SC21110

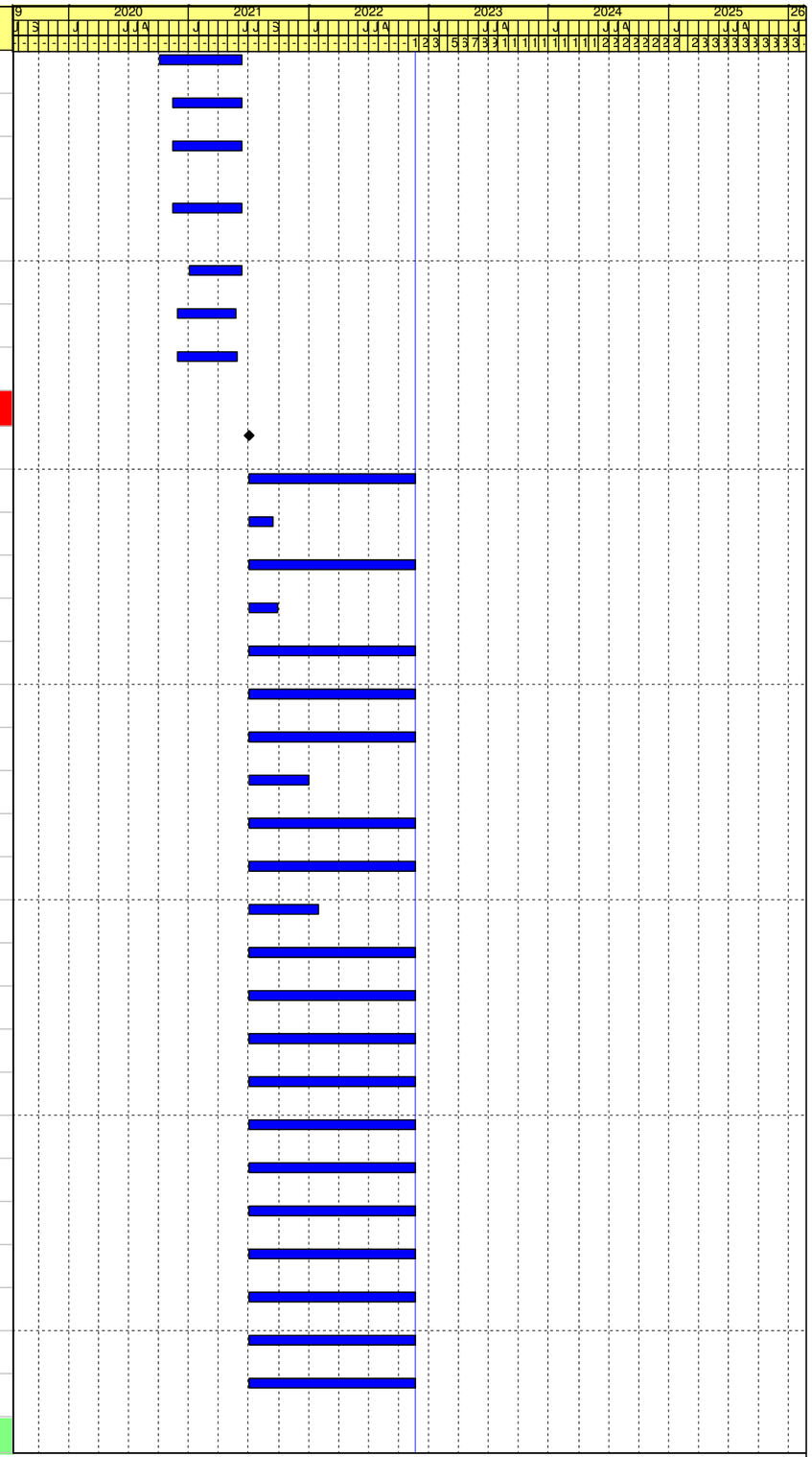


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S2D1950	Submit & Accept Design & Dwgs for Process Water Pumping System	249	05-Oct-20 A	11-Jun-21 A	16-Apr-25	16-Apr-25		S2P1190	SC21110
S2D1960	Submit & Accept Design & Dwgs for External Sludge Transfer Pumping System	209	14-Nov-20 A	11-Jun-21 A	29-Dec-22	29-Dec-22		S2P1200	S2D1970, SC21110
S2D1970	Submit & Accept Design & Dwgs for THP Cooling Water Pumping Station	209	14-Nov-20 A	10-Jun-21 A	29-Dec-22	29-Dec-22		S2D1340, S2D1960, S2P1210	S5TCWP1000, SC21110
S2D1980	Submit & Accept Design & Dwgs for Ferric Chloride Dosing System	209	14-Nov-20 A	11-Jun-21 A	30-Sep-22	30-Sep-22			S5FCDP1000, S5FCDP1010, SC21110
S2D1990	Submit & Accept Design & Dwgs for Temporary Primary Sludge Pumping Facility	158	04-Jan-21 A	11-Jun-21 A	05-Jul-22	05-Jul-22		PL1020	S5ECHP1000, SC21110
S2D2000	Submit & Accept Design & Dwgs for Gas Detection System	194	29-Nov-20 A	24-May-21 A	13-Nov-22	13-Nov-22			SC21110, S5CHPP1040
S2D2010	Submit & Accept Design & Dwgs for CCTV System	194	29-Nov-20 A	26-May-21 A	16-Apr-25	16-Apr-25			SC21110
Outstanding Works		334	02-Jul-21 A	21-Nov-22	31-Oct-21	16-Apr-25	877		
S2D2020	Certifiate of Completion - Section 2 of the works (Ref: RCYK:ccm:60427128/92-2021004626w)	0	02-Jul-21 A		16-Apr-25				
S2D2030	Provide ICE Certificate for all design, calculations, drawings, plans & relevant documents	334	02-Jul-21 A	21-Nov-22*	31-May-22	31-May-22	-174		
S2D2040	Submit finalized design calculations, drawings & material submissions for BS systems (Workshop No.2)	76	02-Jul-21 A	15-Sep-21 A	16-Apr-25	16-Apr-25			
S2D2050	Submit finalized design calculations, drawings & material submissions for BS systems (except Workshop No.2)	303	02-Jul-21 A	21-Nov-22*	30-Apr-22	30-Apr-22	-205		
S2D2060	Submit finalized sizing calculations for the actuators and stems for penstocks	91	02-Jul-21 A	30-Sep-21 A	16-Apr-25	16-Apr-25			
S2D2070	Submit finalized cable schedules & sizing calculation (LV System)	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2080	Submit finalized pumps and associated motor and VSD calculations	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2090	Submit finalized electrical loads to verify the rating of the switchgears, transformers and protective devices	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2100	Submit finalized material submissions of the cables, cable tray, ladder and accessories	294	02-Jul-21 A	31-Dec-21 A	16-Apr-25	16-Apr-25			
S2D2110	Submit finalized cable route drawings	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2120	Submit finalized layout and control wiring diagrams for switchboard, MCC, control panel, etc	294	02-Jul-21 A	21-Nov-22*	31-Jan-22	31-Jan-22	-294		
S2D2130	Submit finalized design submissions of the CHP system	294	02-Jul-21 A	31-Jan-22 A	16-Apr-25	16-Apr-25			
S2D2140	Submit finalized interlock devices for electrical equipment and system	303	02-Jul-21 A	21-Nov-22*	30-Apr-22	30-Apr-22	-205		
S2D2150	Submit finalized calculations for total harmonic distortion, electrical faults and touch voltage	303	02-Jul-21 A	21-Nov-22*	30-Apr-22	30-Apr-22	-205		
S2D2160	Submit finalized design calculations, drawings & material submissions for ELV systems	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2170	Submit finalized design submissions of SCADA, PMS, CMMS, IDMS, UPS for FCS	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2180	Submit finalized configuration of SCADA / PLC system, CMMS & PMS	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2190	Submit finalized PLC and MCC panel design	294	02-Jul-21 A	21-Nov-22*	28-Feb-22	28-Feb-22	-266		
S2D2200	Submit finalized design & philosophy of the process instrument	294	02-Jul-21 A	21-Nov-22*	31-Dec-21	31-Dec-21	-325		
S2D2210	Submit finalized Process Design Submission	152	02-Jul-21 A	21-Nov-22*	30-Nov-21	30-Nov-21	-356		
S2D2220	Submit finalized acoustic and noise calculations for all equipment	303	02-Jul-21 A	21-Nov-22*	30-Apr-22	30-Apr-22	-205		
S2D2230	Submit finalized design of THP feeding system	122	02-Jul-21 A	21-Nov-22*	31-Oct-21	31-Oct-21	-386		
S2D2240	Submit finalized design of the centrifuge discharge system	152	02-Jul-21 A	21-Nov-22*	30-Nov-21	30-Nov-21	-356		
Section 3 - Complete Design, Construction & T&C for Sidestream Facilities		1949	20-Nov-19 A	21-Mar-25	16-Jul-22	16-Apr-25	26		

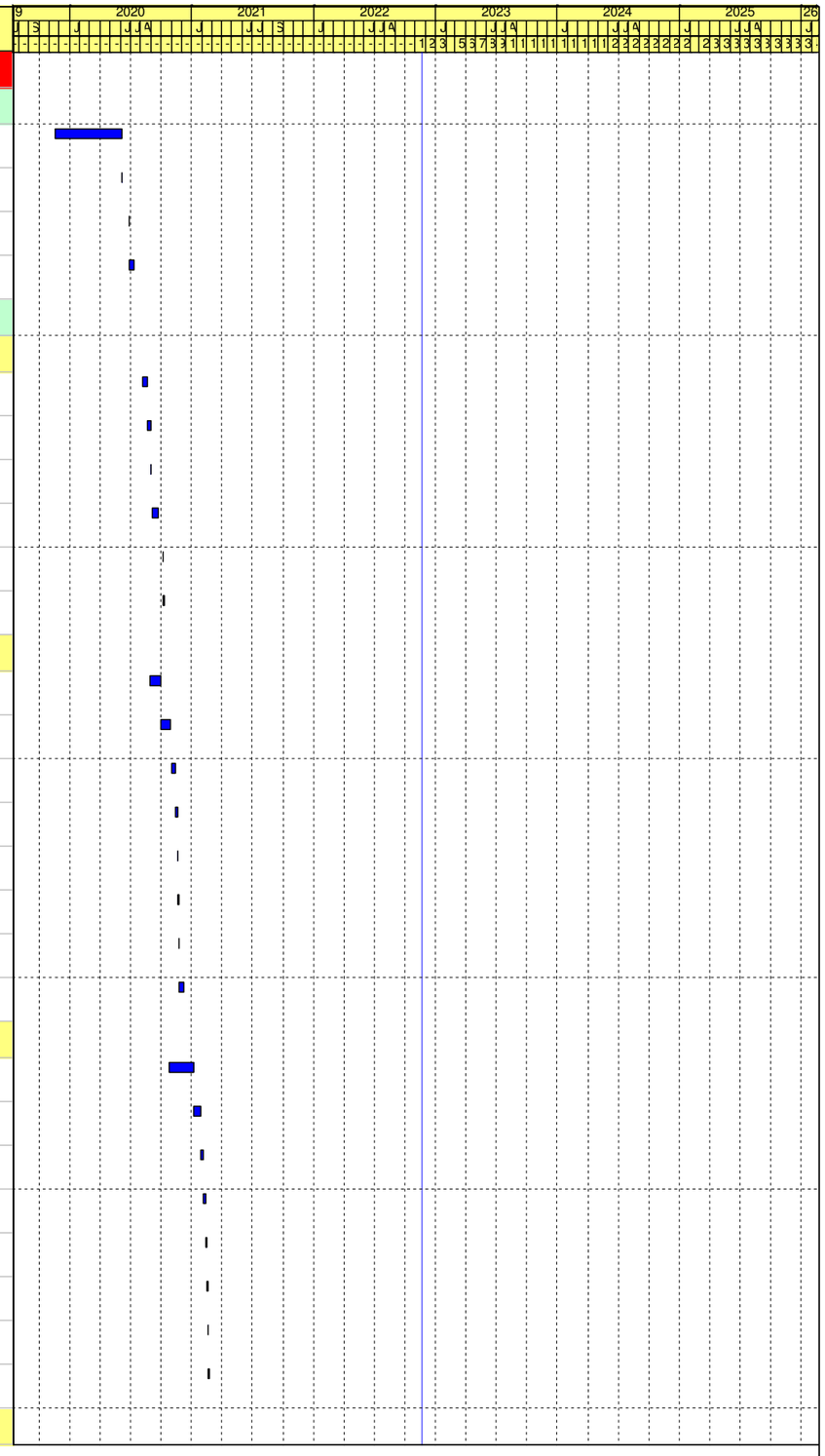


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Major Subcontractor / Supplier Procurement		633	20-Nov-19 A	06-Sep-21 A	01-Sep-22	16-Apr-25			
Design		320	20-Nov-19 A	12-Jul-20 A	01-Sep-22	16-Apr-25			
S3P1000	Procurement & PO for Deammonification Sidestream Treatment Facilities	200	20-Nov-19 A	05-Jun-20 A	01-Sep-22	01-Sep-22		CD1010, PL1010	S3D1000, S3D1440
S3P1010	E&M (Process) Designer Award	1	05-Jun-20 A	05-Jun-20 A	16-Apr-25	16-Apr-25			
S3P1020	Civil & BS Designer Award	1	26-Jun-20 A	26-Jun-20 A	16-Apr-25	16-Apr-25			S3P1030
S3P1030	Mobilisation	14	27-Jun-20 A	12-Jul-20 A	16-Apr-25	16-Apr-25		S3P1020	
Civil & Building Contractor		327	05-Aug-20 A	06-Sep-21 A	01-Sep-22	01-Sep-22			
For Site Clearance & Survey		36	05-Aug-20 A	12-Oct-20 A	01-Sep-22	01-Sep-22			
S3P1040	Submit Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	05-Aug-20 A	20-Aug-20 A	01-Sep-22	01-Sep-22			S3P1050
S3P1050	Review & Comment the Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	21-Aug-20 A	01-Sep-20 A	01-Sep-22	01-Sep-22		S3P1040	S3P1060
S3P1060	Re-submit Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	02-Sep-20 A	02-Sep-20 A	01-Sep-22	01-Sep-22		S3P1050	S3P1070
S3P1070	Review & Accept Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	03-Sep-20 A	23-Sep-20 A	01-Sep-22	01-Sep-22		S3P1060	S3P1080
S3P1080	Civil Contractor (Site Clearance & Survey) Award	1	07-Oct-20 A	07-Oct-20 A	01-Sep-22	01-Sep-22		S3P1070	S3P1090
S3P1090	Mobilisation	5	08-Oct-20 A	12-Oct-20 A	01-Sep-22	01-Sep-22		S3P1080	S3C1010
For Ground Investigation		98	29-Aug-20 A	08-Dec-20 A	01-Sep-22	01-Sep-22			
S3P1100	Submit Tender proprosal of Civil Contractor (Ground Investigation)	14	29-Aug-20 A	29-Sep-20 A	01-Sep-22	01-Sep-22			S3P1110
S3P1110	Review & Accept the Tender proprosal of Civil Contractor (Ground Investigation)	21	30-Sep-20 A	27-Oct-20 A	01-Sep-22	01-Sep-22		S3P1100	S3P1120
S3P1120	Tender Invitation of Civil Contractor (Ground Investigation)	7	02-Nov-20 A	13-Nov-20 A	01-Sep-22	01-Sep-22		S3P1110	S3P1130
S3P1130	Submission of Tender Report	7	14-Nov-20 A	18-Nov-20 A	01-Sep-22	01-Sep-22		S3P1120	S3P1140
S3P1140	Review & Accept the Tender Report by PM	21	19-Nov-20 A	19-Nov-20 A	01-Sep-22	01-Sep-22		S3P1130	S3P1150
S3P1150	Contract Preparation	3	20-Nov-20 A	23-Nov-20 A	01-Sep-22	01-Sep-22		S3P1140	S3P1160
S3P1160	Civil Contractor (Ground Investigation) Award	1	24-Nov-20 A	24-Nov-20 A	01-Sep-22	01-Sep-22		S3P1150	S3P1170
S3P1170	Mobilisation	7	25-Nov-20 A	08-Dec-20 A	01-Sep-22	01-Sep-22		S3P1160	S3C1020
For Pre-drilling & Post-drilling		116	26-Oct-20 A	21-Feb-21 A	01-Sep-22	01-Sep-22			
S3P1180	Submit Tender proprosal of Civil Contractor (Pre-drilling & Post-drilling)	74	26-Oct-20 A	06-Jan-21 A	01-Sep-22	01-Sep-22		S3D1300, S3D1240	S3P1190
S3P1190	Review & Accept the Tender proprosal of Civil Contractor (Predrill & Proof drill)	21	07-Jan-21 A	27-Jan-21 A	01-Sep-22	01-Sep-22		S3P1180	S3P1200
S3P1200	Tender Invitation of Civil Contractor (Pre-drilling & Post-drilling)	14	28-Jan-21 A	04-Feb-21 A	01-Sep-22	01-Sep-22		S3P1190	S3P1210
S3P1210	Submission of Tender Report	4	05-Feb-21 A	10-Feb-21 A	01-Sep-22	01-Sep-22		S3P1200	S3P1220
S3P1220	Review & Accept the Tender Report by PM	21	11-Feb-21 A	16-Feb-21 A	01-Sep-22	01-Sep-22		S3P1210	S3P1230
S3P1230	Contract Preparation	3	17-Feb-21 A	17-Feb-21 A	01-Sep-22	01-Sep-22		S3P1220	S3P1240
S3P1240	Civil Contractor (Pre-drilling & Post-drilling) Award	1	18-Feb-21 A	18-Feb-21 A	01-Sep-22	01-Sep-22		S3P1230	S3P1250
S3P1250	Mobilisation	3	19-Feb-21 A	21-Feb-21 A	01-Sep-22	01-Sep-22		S3P1240	S3C1030
For Piling		90	04-Jan-21 A	01-Apr-21 A	01-Sep-22	01-Sep-22			

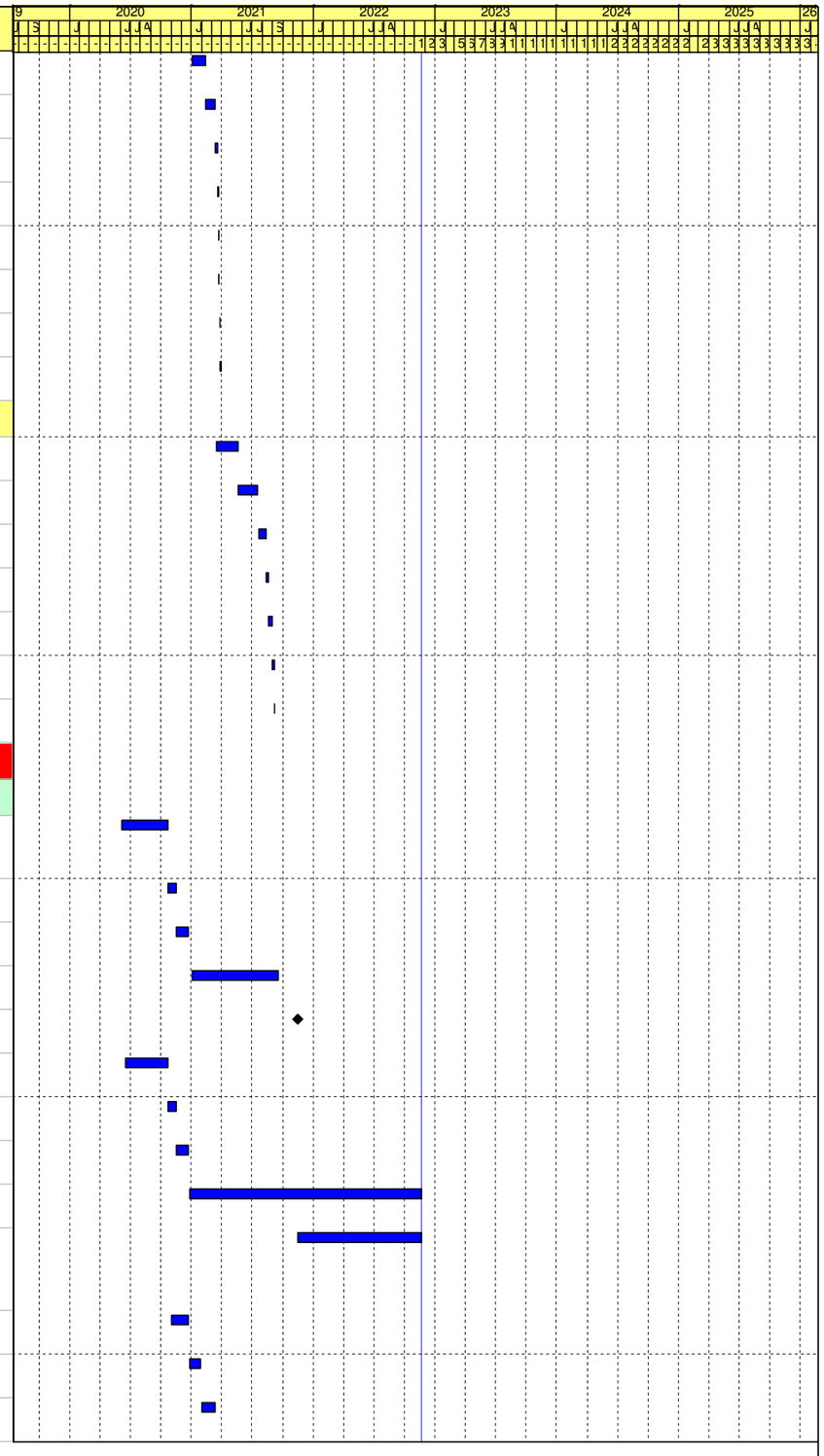


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3P1260	Submit Tender proprosal of Civil Contractor (Piling)	39	04-Jan-21 A	10-Feb-21 A	01-Sep-22	01-Sep-22			S3P1270
S3P1270	Review & Accept the Tender proprosal of Civil Contractor (Piling)	25	11-Feb-21 A	12-Mar-21 A	01-Sep-22	01-Sep-22		S3P1260	S3P1280
S3P1280	Tender Invitation of Civil Contractor (Piling)	14	12-Mar-21 A	19-Mar-21 A	01-Sep-22	01-Sep-22		S3P1270	S3P1290
S3P1290	Submission of Tender Report	7	20-Mar-21 A	22-Mar-21 A	01-Sep-22	01-Sep-22		S3P1280	S3P1300
S3P1300	Review & Accept the Tender Report by PM	21	23-Mar-21 A	23-Mar-21 A	01-Sep-22	01-Sep-22		S3P1290	S3P1310
S3P1310	Contract Preparation	3	24-Mar-21 A	25-Mar-21 A	01-Sep-22	01-Sep-22		S3P1300	S3P1320
S3P1320	Civil Contractor (Piling) Award	1	26-Mar-21 A	26-Mar-21 A	01-Sep-22	01-Sep-22		S3P1310	S3P1330
S3P1330	Mobilisation	3	26-Mar-21 A	01-Apr-21 A	01-Sep-22	01-Sep-22		S3P1320	S3C1030
For Main Civil Works		146	17-Mar-21 A	06-Sep-21 A	01-Sep-22	01-Sep-22			
S3P1340	Submit Tender proprosal of Civil Contractor (Main Civil Works)	30	17-Mar-21 A	21-May-21 A	01-Sep-22	01-Sep-22			S3P1350
S3P1350	Review & Accept the Tender proprosal of Civil Contractor (Main Civil Works)	42	22-May-21 A	19-Jul-21 A	01-Sep-22	01-Sep-22		S3P1340	S3P1360
S3P1360	Tender Invitation of Civil Contractor (Main Civil Works)	14	21-Jul-21 A	11-Aug-21 A	01-Sep-22	01-Sep-22		S3P1350	S3P1370
S3P1370	Submission of Tender Report	1	12-Aug-21 A	19-Aug-21 A	01-Sep-22	01-Sep-22		S3P1360	S3P1380
S3P1380	Review & Accept the Tender Report by PM	6	20-Aug-21 A	31-Aug-21 A	01-Sep-22	01-Sep-22		S3P1370	S3P1390
S3P1390	Contract Preparation	1	01-Sep-21 A	05-Sep-21 A	01-Sep-22	01-Sep-22		S3P1380	S3P1400
S3P1400	Civil Contractor (Main Civil Works) Award	1	06-Sep-21 A	06-Sep-21 A	01-Sep-22	01-Sep-22		S3P1390	S3D1360, S3C1070
Design & Submission		922	07-Jun-20 A	21-Nov-22	16-Jul-22	16-Apr-25	877		
Architectural		922	07-Jun-20 A	21-Nov-22	16-Mar-23	17-Mar-23	116		
S3D1000	Prepare & Submit Building Layout Plan	60	07-Jun-20 A	21-Oct-20 A	16-Mar-23	16-Mar-23		CD1010, S3P1000	S3D1010, S3D1050, S3D1100
S3D1010	Review & Comment on BuildingI Layout Plan by PM	67	22-Oct-20 A	17-Nov-20 A	16-Mar-23	16-Mar-23		S3D1000	S3D1020
S3D1020	Revise & Re-submit Building Layout Plan	28	18-Nov-20 A	24-Dec-20 A	16-Mar-23	16-Mar-23		S3D1010	S3D1030
S3D1030	Review & Accept of Building Layout Plan by PM	214	01-Jan-21 A	16-Sep-21 A	16-Mar-23	16-Mar-23		S3D1020	S3D1090
S3D1040	Coordination Meeting with DSD (Employer) for the Architectural Drawing	0		15-Nov-21 A		16-Mar-23			S3D1090
S3D1050	Prepare & Submit Architectural Design / Drawings	60	17-Jun-20 A	21-Oct-20 A	16-Mar-23	16-Mar-23		S3D1000	S3D1060
S3D1060	Review & Comment on Architectural Design / Drawings by PM	67	22-Oct-20 A	17-Nov-20 A	16-Mar-23	16-Mar-23		S3D1050	S3D1070
S3D1070	Revise & Re-submit Architectural Design / Drawings	28	18-Nov-20 A	24-Dec-20 A	16-Mar-23	16-Mar-23		S3D1060	S3D1080
S3D1080	Review & Accept of Architectural Design / Drawings by PM	483	25-Dec-20 A	21-Nov-22	16-Mar-23	17-Mar-23	116	S3D1070	S3D1090
S3D1090	Review & Accept of Architectural Design / Drawings by DSD (incl. VCAB) & DAP of ArchSD	300	15-Nov-21 A	21-Nov-22	16-Mar-23	17-Mar-23	116	S3D1080, S3D1130, S3D1030, S3D1040	S3C1140, S3P1490
S3D1100	Prepare & Submit ABWF Works Drawings	68	03-Nov-20 A	24-Dec-20 A	16-Mar-23	16-Mar-23		S3D1000	S3D1110
S3D1110	Review & Comment on ABWF Works Drawings by PM	21	25-Dec-20 A	29-Jan-21 A	16-Mar-23	16-Mar-23		S3D1100	S3D1120
S3D1120	Revise & Re-submit ABWF Works Drawings	41	30-Jan-21 A	11-Mar-21 A	16-Mar-23	16-Mar-23		S3D1110	S3D1130

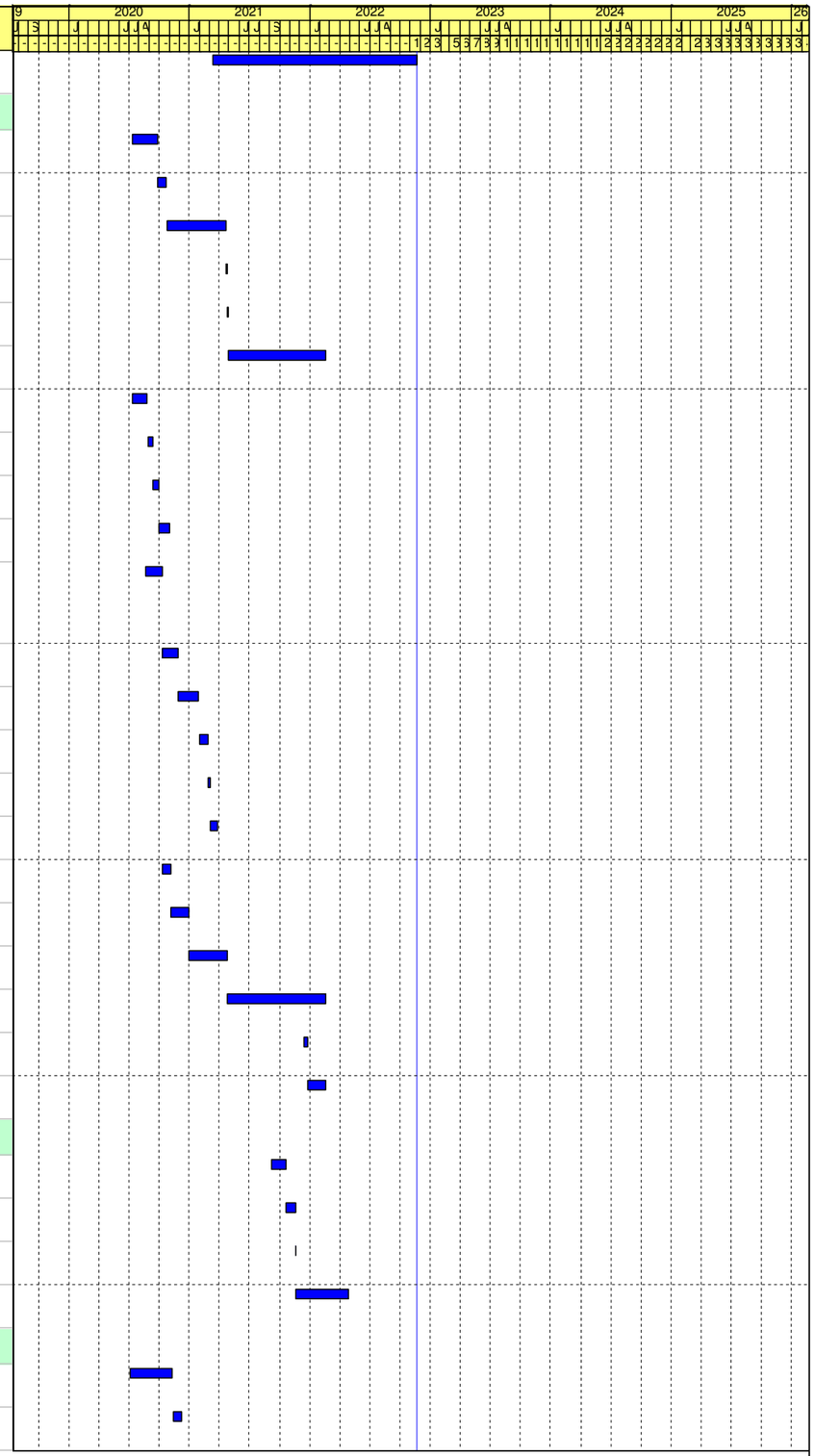


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3D1130	Review & Accept of ABWF Works Drawings by PM	406	12-Mar-21 A	21-Nov-22	16-Mar-23	17-Mar-23	116	S3D1120	S3C1140, S3D1090
Civil / Structural		639	13-Jul-20 A	18-Feb-22 A	16-Jul-22	16-Apr-25			
S3D1140	Prepare & Submit Loading Plan to ICE	60	13-Jul-20 A	25-Sep-20 A	16-Jul-22	16-Jul-22			S3D1150
S3D1150	Review & Comment on Loading Plan by ICE	14	26-Sep-20 A	23-Oct-20 A	16-Jul-22	16-Jul-22		S3D1140	S3D1160
S3D1160	Revise & Re-submit Loading Plan to ICE	175	24-Oct-20 A	20-Apr-21 A	16-Jul-22	16-Jul-22		S3D1150	S3D1170
S3D1170	Review & Accept of Loading Plan by ICE	7	21-Apr-21 A	26-Apr-21 A	16-Jul-22	16-Jul-22		S3D1160	S3D1180
S3D1180	Prepare & Submit Loading Plan to PM	7	27-Apr-21 A	27-Apr-21 A	16-Jul-22	16-Jul-22		S3D1170	S3D1190
S3D1190	Review & Accept of Loading Plan by PM & DSD (incl. BCM)	359	28-Apr-21 A	18-Feb-22 A	16-Jul-22	16-Jul-22		S3D1180	S3C1090
S3D1200	Prepare & Submit GI Plan	60	13-Jul-20 A	26-Aug-20 A	01-Sep-22	01-Sep-22			S3D1210
S3D1210	Review & Comment on GI Plan by PM	14	27-Aug-20 A	10-Sep-20 A	01-Sep-22	01-Sep-22		S3D1200	S3D1220
S3D1220	Revise & Re-submit GI Plan	7	11-Sep-20 A	28-Sep-20 A	01-Sep-22	01-Sep-22		S3D1210	S3D1230
S3D1230	Review & Accept of GI Plan by PM	21	29-Sep-20 A	02-Nov-20 A	01-Sep-22	01-Sep-22		S3D1220	S3C1020
S3D1240	Prepare & Submit Foundation Design / Drawings to ICE & PM	60	20-Aug-20 A	09-Oct-20 A	01-Sep-22	01-Sep-22			S3D1250, S3C1010, S3D1300, S3P1180
S3D1250	Review & Comment on Foundation Design / Drawings by ICE & PM	79	10-Oct-20 A	27-Nov-20 A	16-Apr-25	16-Apr-25		S3D1240	S3D1260
S3D1260	Revise & Re-submit Foundation Design / Drawings to ICE & PM	14	28-Nov-20 A	29-Jan-21 A	16-Apr-25	16-Apr-25		S3D1250	S3D1270
S3D1270	Review & Accept of Foundation Design / Drawings by ICE & PM	10	30-Jan-21 A	26-Feb-21 A	16-Apr-25	16-Apr-25		S3D1260	S3D1280
S3D1280	Prepare & Submit Foundation Design / Drawings to DSD (incl. BCM)	7	27-Feb-21 A	05-Mar-21 A	16-Apr-25	16-Apr-25		S3D1270	S3D1290
S3D1290	Review & Accept of Foundation Design / Drawings by DSD (incl. BCM)	45	06-Mar-21 A	26-Mar-21 A	16-Apr-25	16-Apr-25		S3D1280	
S3D1300	Prepare & Submit Substructure / Superstructure Design / Drawings to ICE & PM	25	10-Oct-20 A	05-Nov-20 A	01-Sep-22	01-Sep-22		S3D1240	S3D1310, S3P1180
S3D1310	Review & Comment on Substructure / Superstructure Design / Drawings by ICE & PM	55	06-Nov-20 A	30-Dec-20 A	01-Sep-22	01-Sep-22		S3D1300	S3D1320
S3D1320	Revise & Re-submit Substructure / Superstructure Design / Drawings to ICE & PM	72	31-Dec-20 A	26-Apr-21 A	01-Sep-22	01-Sep-22		S3D1310	S3D1330
S3D1330	Review & Accept of Substructure / Superstructure Design / Drawings by ICE & PM	271	27-Apr-21 A	18-Feb-22 A	01-Sep-22	01-Sep-22		S3D1320	S3D1340
S3D1340	Prepare & Submit Substructure / Superstructure Design / Drawings to DSD (incl. BCM)	2	13-Dec-21 A	23-Dec-21 A	01-Sep-22	01-Sep-22		S3D1330	S3D1350
S3D1350	Review & Accept of Substructure / Superstructure Design / Drawings by DSD (incl. BCM)	119	24-Dec-21 A	18-Feb-22 A	01-Sep-22	01-Sep-22		S3D1340	S3C1100
ELS		214	07-Sep-21 A	26-Apr-22 A	01-Sep-22	01-Sep-22			
S3D1360	Prepare & Submit ELS Plan to ICE	45	07-Sep-21 A	20-Oct-21 A	01-Sep-22	01-Sep-22		S3P1400	S3D1370
S3D1370	Review & Accept of ELS Plan by ICE	5	21-Oct-21 A	18-Nov-21 A	01-Sep-22	01-Sep-22		S3D1360	S3D1380
S3D1380	Prepare & Submit ELS Plan to PM	3	19-Nov-21 A	19-Nov-21 A	01-Sep-22	01-Sep-22		S3D1370	S3D1390
S3D1390	Review & Accept of ELS Plan by PM	153	20-Nov-21 A	26-Apr-22 A	01-Sep-22	01-Sep-22		S3D1380	S3C1080
Process Design		454	06-Jul-20 A	29-Oct-21 A	16-Apr-25	16-Apr-25			
S3D1400	Prepare & Submit E&M Works (Process) Design Drawings	198	06-Jul-20 A	10-Nov-20 A	16-Apr-25	16-Apr-25			S3D1410
S3D1410	Review & Comment on E&M Works (Process) Design Drawings by PM	21	11-Nov-20 A	08-Dec-20 A	16-Apr-25	16-Apr-25		S3D1400	S3D1420

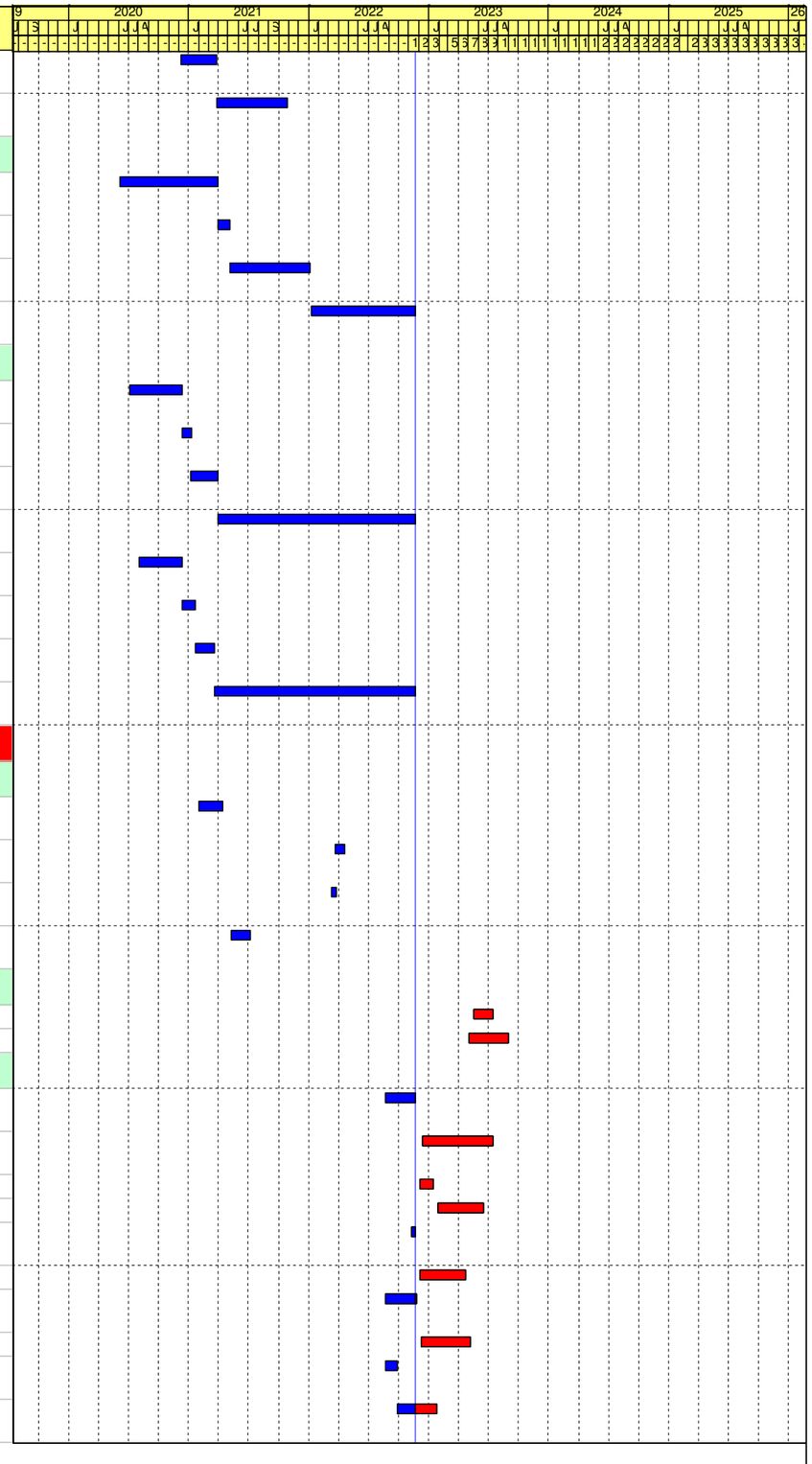


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3D1420	Revise & Re-submit E&M Works (Process) Design Drawings	87	09-Dec-20 A	26-Mar-21 A	16-Apr-25	16-Apr-25		S3D1410	S3D1430
S3D1430	Review & Accept of E&M Works (Process) Design Drawings by PM	278	27-Mar-21 A	29-Oct-21 A	16-Apr-25	16-Apr-25		S3D1420	
E&M Design		715	07-Jun-20 A	21-Nov-22	01-Sep-22	16-Apr-25	877		
S3D1440	Prepare & Submit General Arrangement Drawings	298	07-Jun-20 A	31-Mar-21 A	01-Sep-22	01-Sep-22		S3P1000	S3D1450, S3C1080
S3D1450	Review & Comment on General Arrangement Drawings by PM	37	01-Apr-21 A	07-May-21 A	16-Apr-25	16-Apr-25		S3D1440	S3D1460
S3D1460	Revise & Re-submit General Arrangement Drawings	247	08-May-21 A	06-Jan-22 A	16-Apr-25	16-Apr-25		S3D1450	S3D1470
S3D1470	Review & Accept of General Arrangement Drawings by PM	105	07-Jan-22 A	21-Nov-22	16-Apr-25	16-Apr-25	877	S3D1460	
BS		598	03-Jul-20 A	21-Nov-22	15-Jan-23	16-Jan-23	56		
S3D1480	Prepare & Submit BS Works Design & Dwgs for Sidestream Treatment Facilities	264	03-Jul-20 A	10-Dec-20 A	15-Jan-23	15-Jan-23			S3D1490
S3D1490	Review & Comment on BS Works Design & Dwgs for Sidestream Treatment Facilities by PM	21	11-Dec-20 A	11-Jan-21 A	15-Jan-23	15-Jan-23		S3D1480	S3D1500
S3D1500	Revise & Re-submit BS Works Design & Dwgs for Sidestream Treatment Facilities	102	05-Jan-21 A	31-Mar-21 A	15-Jan-23	15-Jan-23		S3D1490	S3D1510
S3D1510	Review & Accept of BS Works Design & Dwgs for Sidestream Treatment Facilities by PM	386	01-Apr-21 A	21-Nov-22	15-Jan-23	16-Jan-23	56	S3D1500	S3S1020
S3D1520	Submission & Submit FS Works Design & Dwgs for Sidestream Treatment Facilities	182	03-Aug-20 A	10-Dec-20 A	15-Jan-23	15-Jan-23			S3D1530
S3D1530	Review & Comment on FS Works Design & Dwgs for Sidestream Treatment Facilities by PM	21	11-Dec-20 A	19-Jan-21 A	15-Jan-23	15-Jan-23		S3D1520	S3D1540
S3D1540	Revise & Re-submit FS Works Design & Dwgs for Sidestream Treatment Facilities	66	20-Jan-21 A	19-Mar-21 A	15-Jan-23	15-Jan-23		S3D1530	S3D1550
S3D1550	Review & Accept of FS Works Design & Dwgs for Sidestream Treatment Facilities by PM	398	20-Mar-21 A	21-Nov-22	15-Jan-23	16-Jan-23	56	S3D1540	S3S1020
Major Plant & Materials Procurement		891	01-Feb-21 A	30-Aug-23	16-Jul-22	16-May-23	-107		
Civil & Structure		378	01-Feb-21 A	19-Apr-22 A	16-Jul-22	01-Sep-22			
S3P1410	Procurement, Manufacture & Delivery of Piling	60	01-Feb-21 A	14-Apr-21 A	01-Sep-22	01-Sep-22			S3C1040
S3P1420	Procurement, Manufacture & Delivery of Concrete Mix	15	21-Mar-22 A	19-Apr-22 A	16-Jul-22	16-Jul-22			S3C1090
S3P1430	Procurement, Manufacture & Delivery of Steel Reinforcement	15	11-Mar-22 A	25-Mar-22 A	16-Jul-22	16-Jul-22			S3C1090
S3P1440	Procurement, Manufacture & Delivery of Metal Works Material	80	09-May-21 A	07-Jul-21 A	01-Sep-22	01-Sep-22			S3C1080
ABWF		120	03-May-23	30-Aug-23	16-Jan-23	16-May-23	-107		
S3P1450	Procurement, Manufacture & Delivery of Water Proofing Material	60	18-May-23	16-Jul-23	31-Jan-23	01-Apr-23	-107		S3C1130
S3P1460	Procurement, Manufacture & Delivery of ABWF Works Material	120	03-May-23	30-Aug-23	16-Jan-23	16-May-23	-107		S3C1140
E&M Process		354	20-May-22 A	14-Jul-23	11-Aug-22	20-Apr-23	-85		
S3P1471	Procurement of Diffusers for Phospaq and Anammox Internals	93	21-Aug-22 A	21-Nov-22	27-Aug-22	27-Aug-22	-86		S3P1472
S3P1472	Manufacture & Delivery of Diffusers for Phospaq and Anammox Internals	215	12-Dec-22	14-Jul-23	17-Sep-22	19-Apr-23	-86	S3P1471	S3C2280, S3C2290
S3P1473	Procurement of Heat Exchanger (Plate type)	40	05-Dec-22*	13-Jan-23	25-Aug-22	04-Oct-22	-102		S3P1474
S3P1474	Manufacture & Delivery of Heat Exchanger (Plate type)	140	28-Jan-23	16-Jun-23	18-Oct-22	07-Mar-23	-102	S3P1473	S3C2250
S3P1475	Procurement of Mixer	22	11-Nov-22 A	21-Nov-22	08-Nov-22	08-Nov-22	-13		S3P1476
S3P1476	Manufacture & Delivery of Mixer	140	06-Dec-22	24-Apr-23	23-Nov-22	11-Apr-23	-13	S3P1475	S3C2145
S3P1477	Procurement of Ancillary Air Blower	96	21-Aug-22 A	24-Nov-22	28-Oct-22	31-Oct-22	-24		S3P1478
S3P1478	Manufacture & Delivery of Ancillary air blower	149	09-Dec-22	06-May-23	15-Nov-22	12-Apr-23	-24	S3P1477	S3C2270
S3P1479	Procurement of Buffer tank Lifting Pump	38	21-Aug-22 A	27-Sep-22 A	14-Nov-22	14-Nov-22			S3P1481
S3P1481	Manufacture & Delivery of Buffer tank Lifting Pump	120	29-Sep-22 A	26-Jan-23	14-Nov-22	20-Jan-23	-7	S3P1479	S3C2070

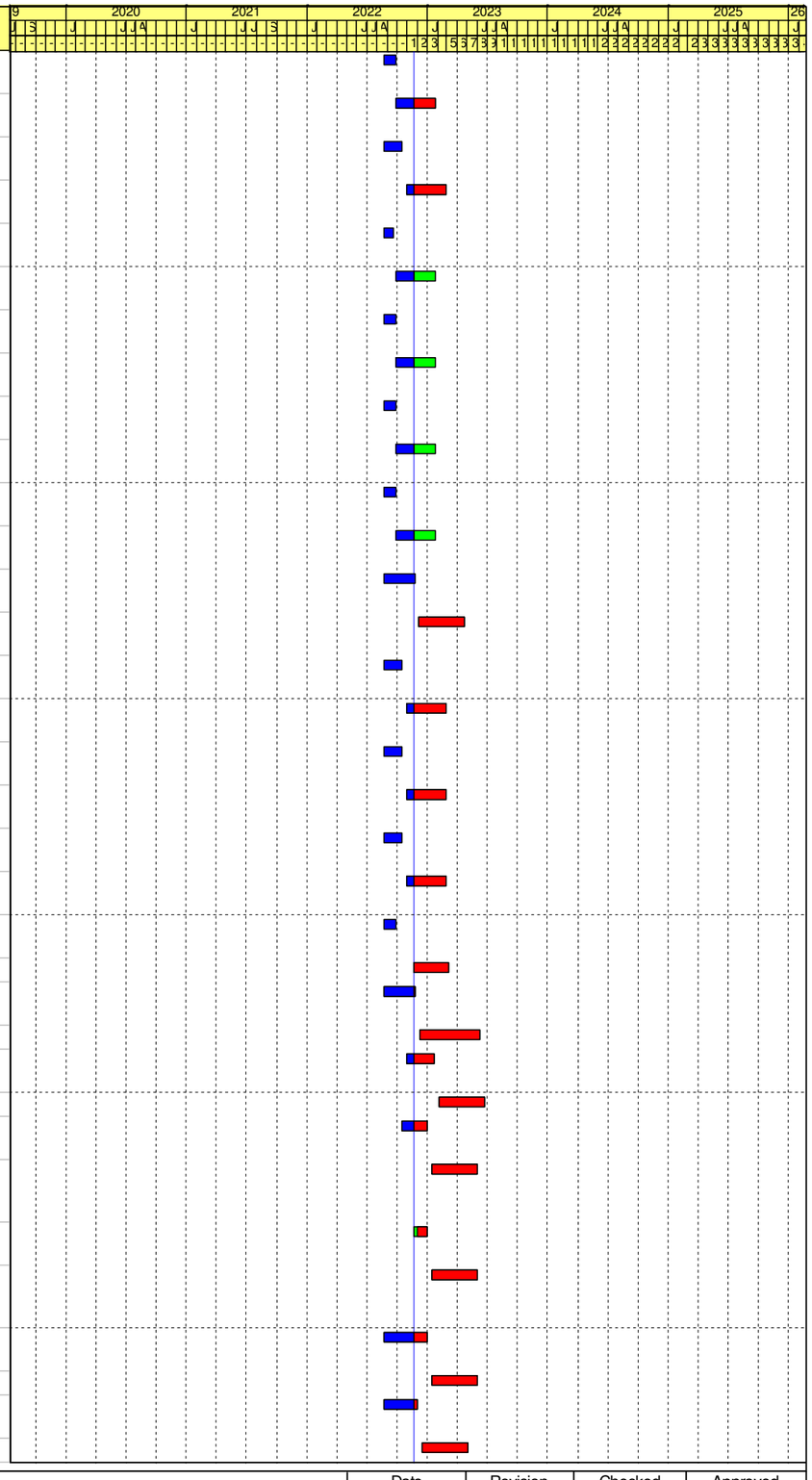


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3P1500	Procurement of Anammox feed pump and Sludge Discharge pump	38	21-Aug-22 A	27-Sep-22 A	21-Nov-22	21-Nov-22			S3P1510
S3P1510	Manufacture & Delivery of Anammox feed pump and Anammox Sludge pump	120	29-Sep-22 A	26-Jan-23	21-Nov-22	27-Jan-23	1	S3P1500	S3C2090, S3C2110
S3P1520	Procurement of Metering Pump	55	21-Aug-22 A	14-Oct-22 A	21-Nov-22	21-Nov-22			S3P1530
S3P1530	Manufacture & Delivery of Metering Pump	120	31-Oct-22 A	27-Feb-23	21-Nov-22	27-Feb-23	0	S3P1520	S3C2100
S3P1540	Procurement of 2nd Sludge Pump	30	21-Aug-22 A	19-Sep-22 A	16-Dec-22	16-Dec-22			S3P1550
S3P1550	Manufacture & Delivery of 2nd Sludge Pump	120	29-Sep-22 A	26-Jan-23	16-Dec-22	20-Feb-23	25	S3P1540	S3C2080
S3P1560	Procurement of Struvite Pump	38	21-Aug-22 A	27-Sep-22 A	30-Dec-22	30-Dec-22			S3P1570
S3P1570	Manufacture & Delivery of Struvite Pump	120	29-Sep-22 A	26-Jan-23	30-Dec-22	06-Mar-23	39	S3P1560	S3C2120
S3P1580	Procurement of Primary Sludge Pump	38	21-Aug-22 A	27-Sep-22 A	06-Jan-23	06-Jan-23			S3P1590
S3P1590	Manufacture & Delivery of Primary Sludge Pump	120	29-Sep-22 A	26-Jan-23	06-Jan-23	13-Mar-23	46	S3P1580	S3C2140
S3P1600	Procurement of Drum Thickener Feed Pump	38	21-Aug-22 A	27-Sep-22 A	05-Dec-22	05-Dec-22			S3P1610
S3P1610	Manufacture & Delivery of Drum Thickener Feed Pump	120	29-Sep-22 A	26-Jan-23	05-Dec-22	10-Feb-23	15	S3P1600	S3C2130
S3P1611	Procurement of FRP Tanks (NaOH, Micro-Nutrient, Anti-foamer and Polymer)	97	21-Aug-22 A	25-Nov-22 A	04-Oct-22	04-Oct-22			S3P1612
S3P1612	Manufacture & Delivery of FRP Tanks (NaOH, Micro-Nutrient, Anti-foamer and Polymer)	140	05-Dec-22	23-Apr-23	18-Oct-22	07-Mar-23	-48	S3P1611	S3C2210
S3P1613	Procurement of NaOH Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	27-Nov-22	27-Nov-22			S3P1614
S3P1614	Manufacture & Delivery of NaOH Dosing pump	120	31-Oct-22 A	27-Feb-23	27-Nov-22	05-Mar-23	6	S3P1613	S3C2200
S3P1624	Procurement of Micro-Nutrient Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	27-Nov-22	27-Nov-22			S3P1634
S3P1634	Manufacture & Delivery of Micro-Nutrient Dosing Pump	120	31-Oct-22 A	27-Feb-23	27-Nov-22	05-Mar-23	6	S3P1624	S3C2200
S3P1644	Procurement of Anti-foamer Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	27-Nov-22	27-Nov-22			S3P1654
S3P1654	Manufacture & Delivery of Anti-foamer Dosing Pump	120	31-Oct-22 A	27-Feb-23	27-Nov-22	05-Mar-23	6	S3P1644	S3C2200
S3P1664	Procurement of Polymer Dosing Pump	38	21-Aug-22 A	27-Sep-22 A	20-Nov-22	20-Nov-22			S3P1674
S3P1674	Manufacture & Delivery of Polymer Dosing Pump	106	21-Nov-22	06-Mar-23	20-Nov-22	05-Mar-23	-1	S3P1664	S3C2200
S3P1684	Procurement of DOU no.4	97	21-Aug-22 A	25-Nov-22	07-Sep-22	11-Sep-22	-75		S3P1694
S3P1694	Manufacture & Delivery of DOU no.4	182	10-Dec-22	09-Jun-23	26-Sep-22	26-Mar-23	-75	S3P1684	S3C2230
S3P1695	Procurement of Electric Calorifier	101	01-Nov-22 A	20-Jan-23	11-Aug-22	10-Oct-22	-102		S3P1696
S3P1696	Manufacture & Delivery of Electric Calorifier	140	04-Feb-23	23-Jun-23	25-Oct-22	13-Mar-23	-102	S3P1695	S3C2271
S3P1699	Procurement of PE pipework	98	15-Oct-22 A	31-Dec-22	08-Sep-22	19-Oct-22	-74		S3P1700
S3P1700	Manufacture & Delivery of PE pipework	140	15-Jan-23	03-Jun-23	02-Nov-22	22-Mar-23	-74	S3P1699	S3C2251, S3C2300, S3C2275
S3P1701	Procurement of SS pipe, Ductile Iron Pipes and Fittings	51	01-Dec-22 A	31-Dec-22	08-Sep-22	19-Oct-22	-74		S3P1702
S3P1702	Manufacture & Delivery of SS pipe, Ductile Iron Pipes and Fittings	140	15-Jan-23	03-Jun-23	02-Nov-22	22-Mar-23	-74	S3P1701	S3C2300, S3C2251, S3C2275
S3P1703	Procurement of SCADA System	153	21-Aug-22 A	31-Dec-22	03-Sep-22	14-Oct-22	-79		S3P1704
S3P1704	Manufacture & Delivery of SCADA System	140	15-Jan-23	03-Jun-23	28-Oct-22	17-Mar-23	-79	S3P1703	B1365
S3P1715	Procurement of Local control panel parts for Drum Sludge Thickener	102	21-Aug-22 A	30-Nov-22	29-Oct-22	07-Nov-22	-23		S3P1725
S3P1725	Manufacture & Delivery of Local control panel parts for Drum Sludge Thickener	140	15-Dec-22	03-May-23	22-Nov-22	10-Apr-23	-23	S3P1715	B1363

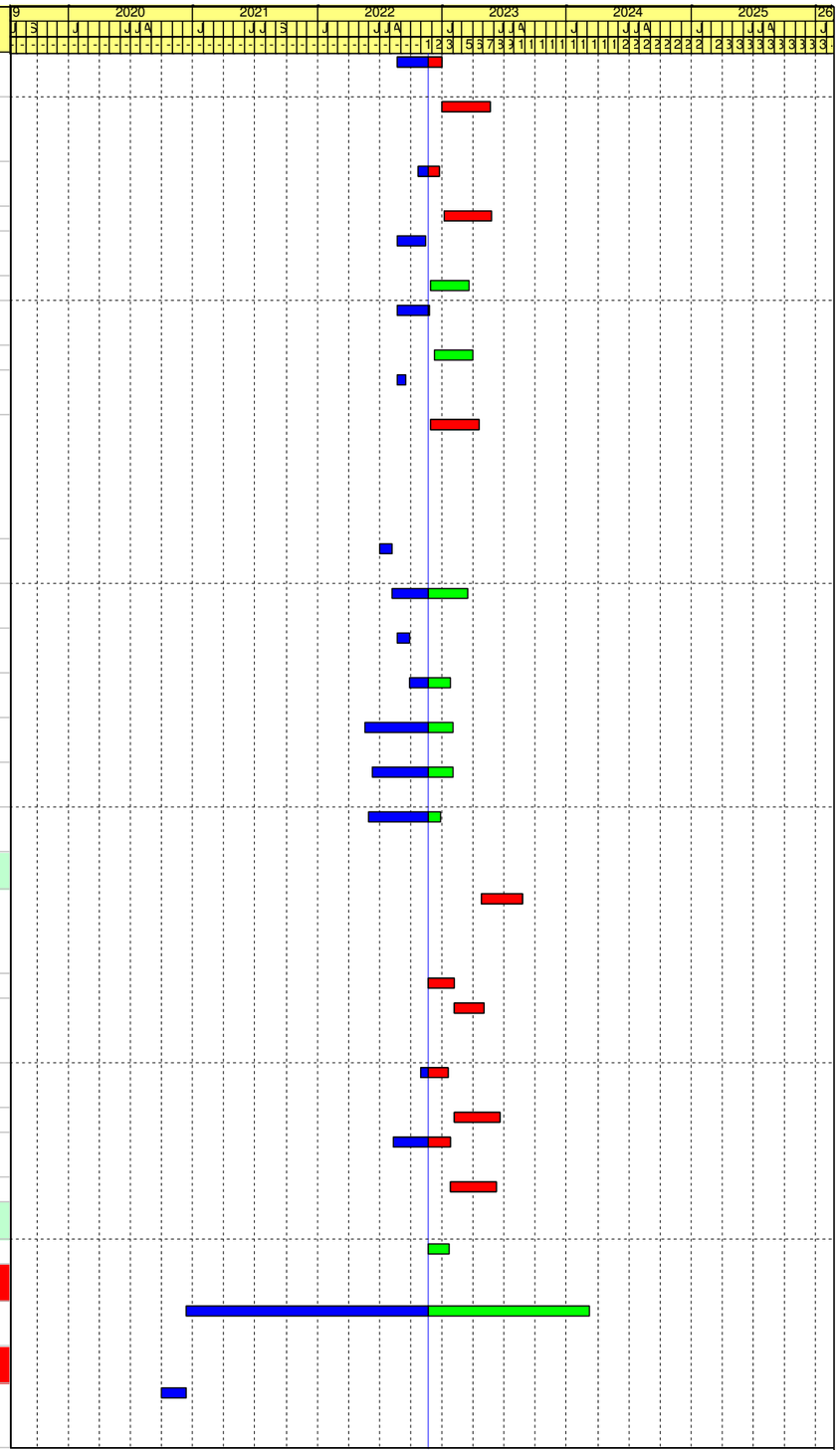


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3P1735	Procurement of uPVC pipe and GRP Pipe	101	21-Aug-22 A	31-Dec-22	22-Sep-22	02-Nov-22	-60		S3P1745
S3P1745	Manufacture & Delivery of uPVC pipe and GRP Pipe	140	01-Jan-23	20-May-23	02-Nov-22	22-Mar-23	-60	S3P1735	S3C2251, S3C2275, S3C2300
S3P1755	Procurement of Flushing pump and Hot water pump	97	24-Oct-22 A	24-Dec-22	07-Sep-22	10-Oct-22	-75		S3P1765
S3P1765	Manufacture & Delivery of Flushing pump and Hot water pump	140	08-Jan-23	27-May-23	25-Oct-22	13-Mar-23	-75	S3P1755	S3C2271
S3P1766	Procurement of EM Flowmeter	86	21-Aug-22 A	14-Nov-22 A	22-Dec-22	22-Dec-22			S3P1767
S3P1767	Manufacture & Delivery of EM Flowmeter	112	29-Nov-22	20-Mar-23	30-Dec-22	20-Apr-23	31	S3P1766	B1363
S3P1768	Procurement of Instrument	111	21-Aug-22 A	26-Nov-22	10-Dec-22	15-Dec-22	19		S3P1769
S3P1769	Manufacture & Delivery of Instrument	112	11-Dec-22	01-Apr-23	30-Dec-22	20-Apr-23	19	S3P1768	B1363
S3P1772	Procurement of Lifting Applicance	14	23-Aug-22 A	16-Sep-22 A	23-Sep-22	23-Sep-22			S3P1773
S3P1773	Manufacture & Delivery of Lifting Applicance	140	30-Nov-22*	18-Apr-23	23-Sep-22	10-Feb-23	-68	S3P1772	S3C2000, S3C2010, S3C2020, S3C2030, S3C2040, S3C2050
S3P1774	Procurement of Air Blower System	36	04-Jul-22 A	08-Aug-22 A	29-Nov-22	29-Nov-22			S3P1775
S3P1775	Manufacture & Delivery of Air Blower System	222	09-Aug-22 A	18-Mar-23	29-Nov-22	26-Mar-23	8	S3P1774	S3C2260
S3P1778	Procurement of PAM dosing pump	38	21-Aug-22 A	27-Sep-22 A	29-Dec-22	29-Dec-22			S3P1779
S3P1779	Manufacture & Delivery of PAM dosing pump	120	29-Sep-22 A	26-Jan-23	29-Dec-22	05-Mar-23	38	S3P1778	S3C2200
S3P1780	Manufacture & Delivery of Primary and Secondary Clarifiers for Phospaq	257	20-May-22 A	31-Jan-23	14-Jan-23	27-Mar-23	55		S3C2160, S3C2170
S3P1781	Manufacture & Delivery of Tilted Plates for Phospaq and Anammox internals	235	11-Jun-22 A	31-Jan-23	17-Jan-23	29-Mar-23	57		S3C2180, S3C2190
S3P1782	Manufacture & Delivery of Drum sludge thickener	210	31-May-22 A	26-Dec-22	30-Jan-23	07-Mar-23	71		S3C2215
BS		378	12-Aug-22 A	24-Aug-23	06-Aug-22	09-May-23	-107		
S3P1480	Procurement, Manufacture & Delivery of BS Works Material	120	27-Apr-23	24-Aug-23	10-Jan-23	09-May-23	-107		S3T1080, S3C1250, S3T1020, S3T1000
S3P1482	Procurement of MVAC System	76	21-Nov-22	04-Feb-23	02-Sep-22	17-Nov-22	-80		S3P1483
S3P1483	Manufacture & Delivery of MVAC System	90	05-Feb-23	05-May-23	17-Nov-22	15-Feb-23	-80	S3P1482	B1353, B1354, B1355
S3P1770	Procurement of Low Voltage Switchboard and Accessories	80	01-Nov-22 A	19-Jan-23	04-Sep-22	02-Nov-22	-78		S3P1771
S3P1771	Manufacture & Delivery of Low Voltage Switchboard and Accessories	134	07-Feb-23*	20-Jun-23	02-Nov-22	15-Mar-23	-97	S3P1770	B1374
S3P1783	Procurement of Transformer	75	12-Aug-22 A	25-Jan-23	06-Aug-22	10-Oct-22	-107		S3P1784
S3P1784	Manufacture & Delivery of Transformer	136	26-Jan-23	10-Jun-23	11-Oct-22	23-Feb-23	-107	S3P1783	B1373
Fitting-out		60	22-Nov-22	20-Jan-23	17-Mar-23	16-May-23	116		
S3P1490	Procurement, Manufacture & Delivery of Fit-out Works Material	60	22-Nov-22	20-Jan-23	17-Mar-23	16-May-23	116	S3D1090	S3C1140
Ground Settlement, Tilting & Utility Monitoring		1184	12-Dec-20 A	09-Mar-24	29-Dec-23	16-Apr-25	403		
S3C1000	Ground Settlement, Tilting & Utility Monitoring	1184	12-Dec-20 A	09-Mar-24	29-Dec-23	16-Apr-25	403	S3C1010	
Civil Works Construction		1613	30-Sep-20 A	21-Mar-25	16-Jul-22	10-May-24	-316		
S3C1010	Site Clearance & Survey	50	30-Sep-20 A	12-Dec-20 A	01-Sep-22	01-Sep-22		S3D1240, AD1140, S3P1090	S3C1020, S3C1000

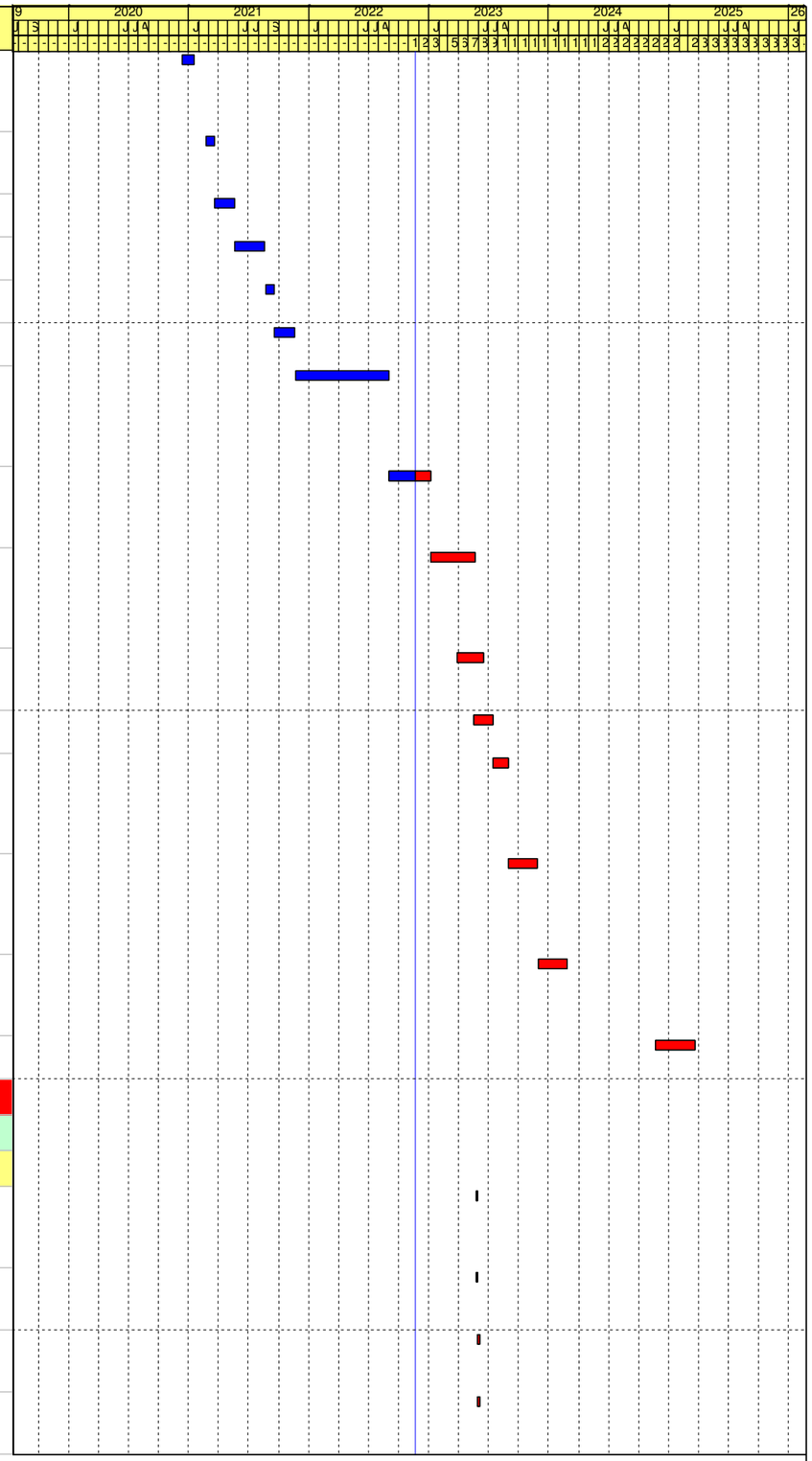


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3C1020	Ground Investigation	65	12-Dec-20 A	18-Jan-21 A	01-Sep-22	01-Sep-22		AD1140, S3C1010, S3P1170, S3D1230	S3C1030
S3C1030	Pre-drilling Works	180	22-Feb-21 A	19-Mar-21 A	01-Sep-22	01-Sep-22		S3C1020, S3P1250, S3P1330	S3C1040
S3C1040	Minor Civil Works & Preperation Works for Piling	31	20-Mar-21 A	20-May-21 A	01-Sep-22	01-Sep-22		S3C1030, S3P1410	S3C1050
S3C1050	Piling Works (Impacted by Inclement Weather)	69	21-May-21 A	21-Aug-21 A	01-Sep-22	01-Sep-22		S3C1040	S3C1060
S3C1060	Post-drilling, Proof test & remaining works (Impacted by Inclement Weather)	23	22-Aug-21 A	17-Sep-21 A	01-Sep-22	01-Sep-22		S3C1050	S3C1080, S3C1070
S3C1070	Site Set-up / Mobilisation (Impacted by Inclement Weather)	51	18-Sep-21 A	20-Nov-21 A	01-Sep-22	01-Sep-22		S3C1060, S3P1400	S3C1080
S3C1080	Excavation / ELS (Impacted by Inclement Weather)	157	24-Nov-21 A	31-Aug-22 A	01-Sep-22	01-Sep-22		S3D1440, S3P1440, S3D1390, S3C1060, S3C1070	S3C1090
S3C1090	Pile Caps installation & Basement Slab	89	01-Sep-22 A	06-Jan-23	16-Jul-22	01-Sep-22	-128	S3C1080, S3P1420, S3P1430, S3D1190	S3C1100, S3C1130
S3C1100	Construction of Basement up to G/F Slab	137	07-Jan-23	23-May-23	01-Sep-22	16-Jan-23	-128	S3C1090, S3D1350, S3S1010	S3C1110, S3C1130, S3C2070, B1356, B1359
S3C1110	Construction of G/F up to 1/F Slab	83	27-Mar-23	17-Jun-23	19-Nov-22	10-Feb-23	-128	S3C1100	S3C1120, S3C1130, S3C1999
S3C1120	Construction of 1/F up to Roof	58	20-May-23	16-Jul-23	15-Jan-23	13-Mar-23	-125	S3C1110	S3C1130, S3C2049
S3C1130	Waterproofing	45	17-Jul-23	30-Aug-23	01-Apr-23	16-May-23	-107	S3P1450, S3C1120, S3C1090, S3C1100, S3C1110	S3C1140
S3C1140	External & Internal Finishes - 1st Fix (Blockwork, Plastering, Wet Trade)	90	31-Aug-23	28-Nov-23	16-May-23	14-Aug-23	-107	S3C1130, S3P1460, S3D1090, S3D1130, S3P1490	S3C1150, S3C1160
S3C1150	External & Internal Finishes - 2nd Fix (Ceiling / Wall / Floor Finishing, Door)	90	29-Nov-23	26-Feb-24	14-Aug-23	12-Nov-23	-107	S3C1140	SC31110, S3S1170, S3C1160, PL1190
S3C1160	Landscaping Works	120	22-Nov-24	21-Mar-25	11-Jan-24	10-May-24	-316	S3C1140, S3C1150	SC31110
E&M Installation		151	24-May-23	21-Oct-23	16-Jan-23	13-Jan-24	84		
Mechanical Installations		122	24-May-23	22-Sep-23	20-Jan-23	29-Oct-23	37		
Basement		122	24-May-23	22-Sep-23	20-Jan-23	25-May-23	-120		
S3C2070	Installation of Buffer Tank Lifting pumps (3 nos.)	7	24-May-23	30-May-23	20-Jan-23	27-Jan-23	-124	S3P1481, S3C1100	S3C2090, S3C2300, S3T1032, S3C2080
S3C2080	Installation of Secondary Clarifier Sludge discharge pumps (3 nos.)	7	24-May-23	30-May-23	21-Feb-23	27-Feb-23	-92	S3P1550, S3C2070	S3C2100, S3C2300, S3T1032
S3C2090	Installation of Anammox Feed pumps (3 nos.)	7	31-May-23	06-Jun-23	27-Jan-23	03-Feb-23	-124	S3C2070, S3P1510	S3C2110, S3C2300, S3T1032
S3C2100	Installation of Metering Pumps (2 nos.)	7	31-May-23	06-Jun-23	28-Feb-23	06-Mar-23	-92	S3C2080, S3P1530	S3C2120, S3C2300, S3T1032

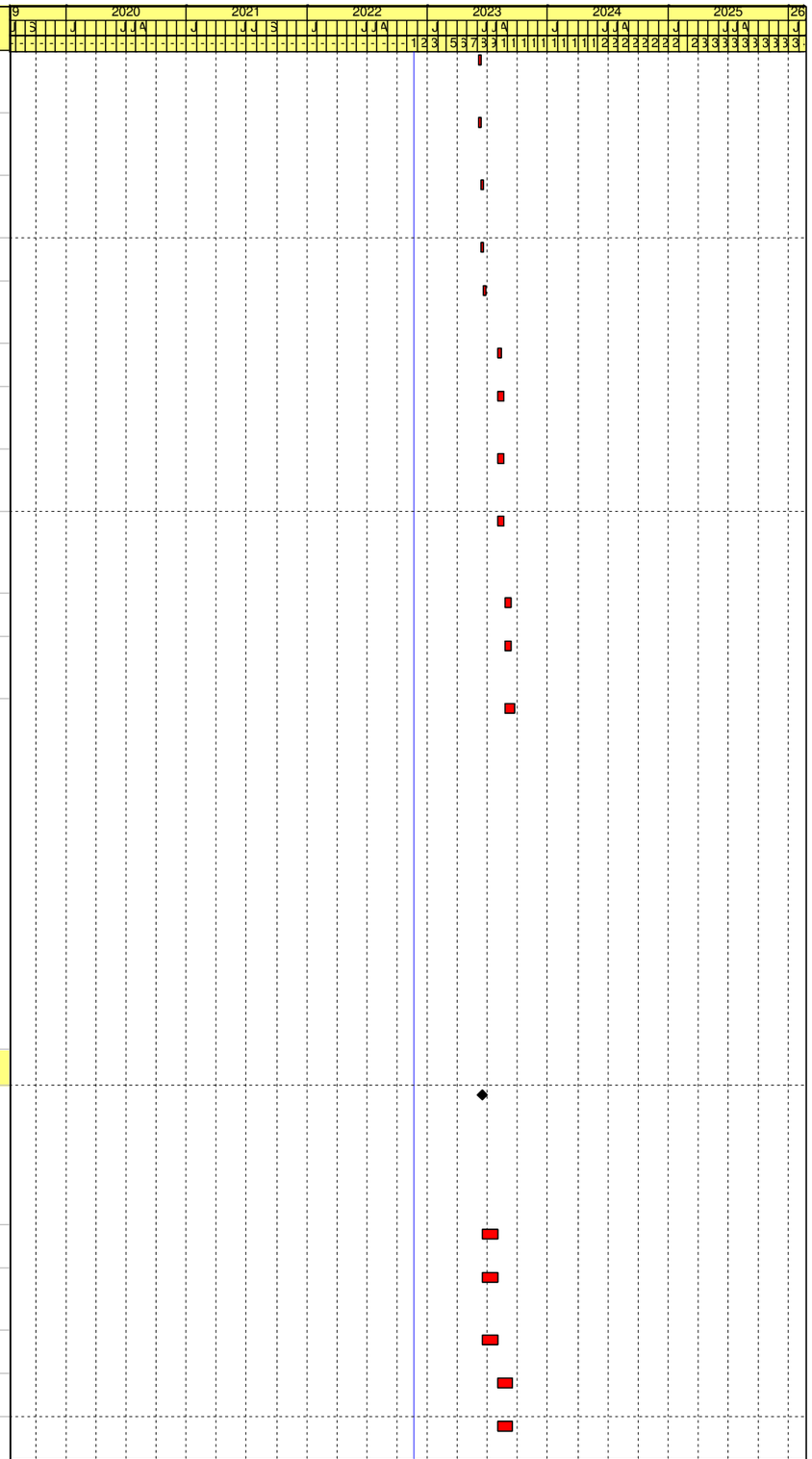


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3C2110	Installation of Anammox Sludge discharge pumps (2 nos.)	7	07-Jun-23	13-Jun-23	03-Feb-23	10-Feb-23	-124	S3C2090, S3P1510	S3C2130, S3C2300, S3T1032
S3C2120	Installation of Struvite Pumps (3 nos.)	7	07-Jun-23	13-Jun-23	07-Mar-23	13-Mar-23	-92	S3C2100, S3P1570	S3C2140, S3C2300, S3T1032
S3C2130	Installation of Thickener feed pumps (2 nos.)	7	14-Jun-23	20-Jun-23	10-Feb-23	17-Feb-23	-124	S3C2110, S3P1610	S3C2142, S3C2300, S3T1032
S3C2140	Installation of Primary Clarifier sludge discharge pump (3 nos.)	7	14-Jun-23	20-Jun-23	14-Mar-23	20-Mar-23	-92	S3C2120, S3P1590	S3C2300, S3T1032
S3C2142	Installation of Flushing Pump (2 nos.)	7	21-Jun-23	27-Jun-23	17-Feb-23	24-Feb-23	-124	S3C2130	S3C2300, S3C2215, S3T1032
S3C2145	Installation of Mixer for Thickened Sludge Tank, Sludge MIxing Tank, Anammox Effluent Chamber and Filtrate Buffer Tank	14	02-Aug-23	15-Aug-23	12-Apr-23	25-Apr-23	-112	S3P1476, S3C2020	S3C2300, S3T1042
S3C2170	Installation of Secondary Clarifiers No.1 and 2	21	02-Aug-23	22-Aug-23	30-Mar-23	19-Apr-23	-125	S3P1780, S3C2010	S3C2190, S3C2300, S3T1036
S3C2180	Installation of Tilted Plates for Phospaq No.1 and 2	21	02-Aug-23	22-Aug-23	30-Mar-23	19-Apr-23	-125	S3C2160, S3P1781	S3C2300, S3C2280, S3T1037
S3C2190	Installation of Tilted Plates for Anammox No. 1 and 2	21	02-Aug-23	22-Aug-23	30-Mar-23	19-Apr-23	-125	S3C2170, S3P1781, S3C2030, S3C2040	S3C2300, S3C2290, S3T1038
S3C2280	Installation of Diffusers and pipework for Phospaq	21	23-Aug-23	12-Sep-23	20-Apr-23	10-May-23	-125	S3P1472, S3C2180	S3C2300, S3T1037
S3C2290	Installation of Diffusers and pipework for Anammox	21	23-Aug-23	12-Sep-23	20-Apr-23	10-May-23	-125	S3C2270, S3P1472, S3C2190	S3C2300, S3T1038
S3C2300	Installation of Pipeworks, Associate Valves and Fittings	30	24-Aug-23	22-Sep-23	26-Apr-23	25-May-23	-120	S3C2070, S3C2080, S3C2090, S3C2100, S3C2110, S3C2120, S3C2130, S3C2140, S3C2142, S3C2145, S3C2170, S3C2180, S3C2190, S3C2280, S3C2290, S3P1700, S3P1702, S3P1745	S3T1031
G/F		90	18-Jun-23	15-Sep-23	10-Feb-23	29-Oct-23	44		
S3C1999	Access to Sidestream Treatment Facilities (G/F)	0	18-Jun-23		10-Feb-23		-128	S3C1110	S3C2200, S3C2000, S3C2210, S3C2215, S3C2250, S3C2251, S3C2255
S3C2000	Installation of Lifting Appliance (LA-01)	45	18-Jun-23	01-Aug-23	10-Feb-23	27-Mar-23	-128	S3P1773, S3C1999	S3C2010, S3C2160
S3C2010	Installation of Lifting Appliance (LA-02)	45	18-Jun-23	01-Aug-23	13-Feb-23	29-Mar-23	-125	S3C2000, S3P1773	S3C2170, S3C2020, S3C2040
S3C2020	Installation of Lifting Appliance (LA-03)	45	18-Jun-23	01-Aug-23	13-Feb-23	29-Mar-23	-125	S3P1773, S3C2010	S3C2030, S3C2145
S3C2030	Installation of Lifting Appliance (LA-04)	45	02-Aug-23	15-Sep-23	30-Mar-23	13-May-23	-125	S3P1773, S3C2020	S3C2190
S3C2040	Installation of Lifting Appliance (LA-05)	45	02-Aug-23	15-Sep-23	30-Mar-23	13-May-23	-125	S3P1773, S3C2010	S3C2190

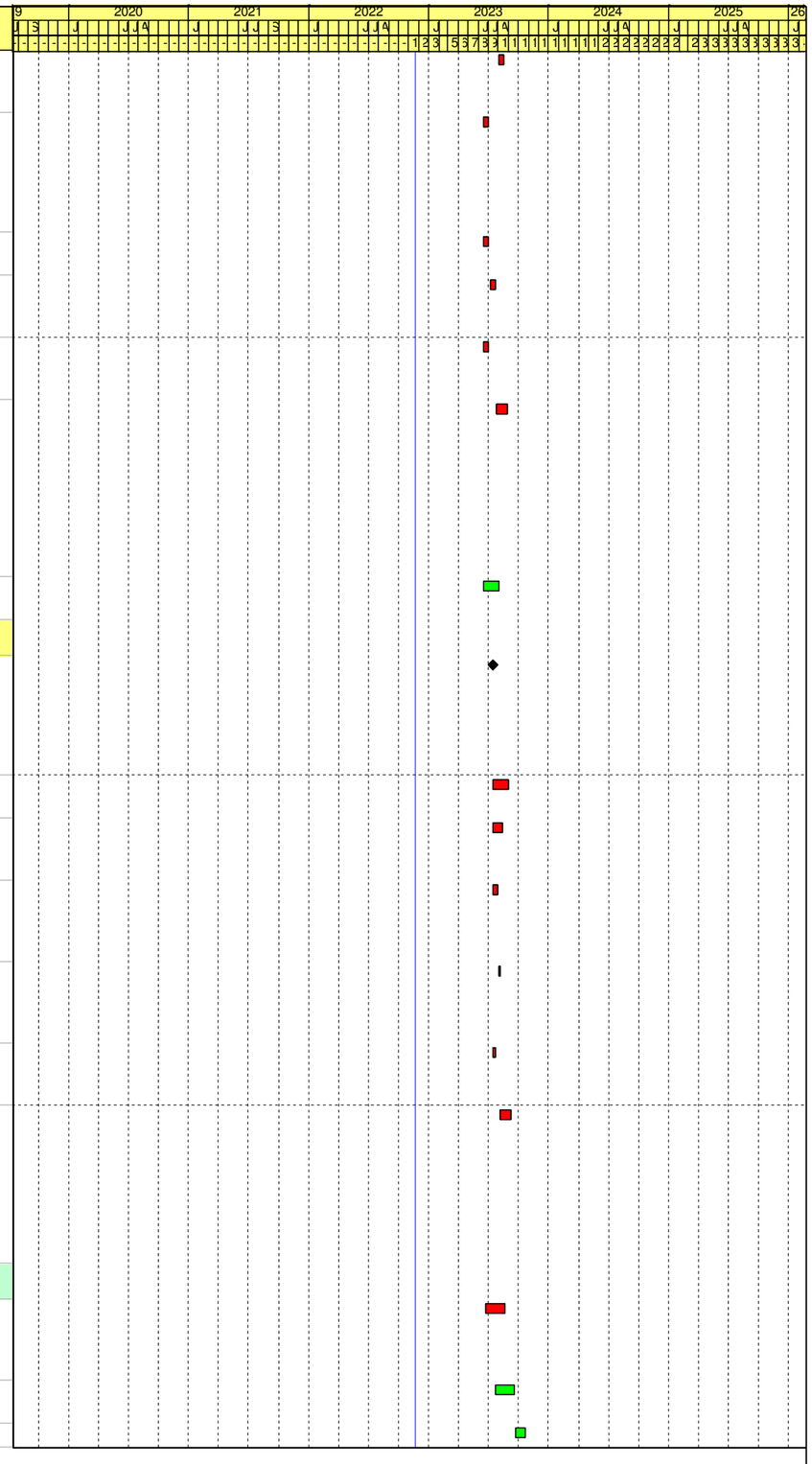


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3C2160	Installation of Primary Clarifiers No.1 and 2	15	02-Aug-23	16-Aug-23	27-Mar-23	11-Apr-23	-128	S3P1780, S3C2000	S3C2180, S3C2251, S3T1035
S3C2200	Installation of NaOH Dosing Pumps, Micro-Nutrient Dosing Pumps, Defoamer Dosing Pumps and PAM Dosing Pumps (12 nos.)	15	18-Jun-23	02-Jul-23	06-Mar-23	20-Mar-23	-104	S3P1614, S3P1634, S3P1654, S3P1779, S3C1999, S3P1674	S3C2251, S3T1032, S3T1044
S3C2210	Installation of PAM Tank, Deformer dissolving Tank, Micro-nutrient tank and NaOH Tank	15	18-Jun-23	02-Jul-23	07-Mar-23	22-Mar-23	-103	S3P1612, S3C1999	S3C2251, S3T1044
S3C2215	Installation of Drum Sludge Thickener	15	09-Jul-23	23-Jul-23	07-Mar-23	22-Mar-23	-124	S3P1782, S3C2142, S3C1999	S3C2251, S3T1041
S3C2250	Installation of Heat Exchanger system	15	18-Jun-23	02-Jul-23	07-Mar-23	22-Mar-23	-103	S3P1474, S3C1999	S3C2270, S3C2251, S3T1043
S3C2251	Installation of Pipeworks, Associate Valves and Fittings	30	28-Jul-23	26-Aug-23	22-Mar-23	21-Apr-23	-128	S3C2160, S3C2200, S3C2210, S3C2215, S3C2250, S3P1700, S3P1702, S3P1745, S3C1999	S3T1031, B1363
S3C2255	E&M installation of DG Plant Room	45	18-Jun-23	01-Aug-23	14-Sep-23	29-Oct-23	89	S3C1999, S3S1100	S3S1110
1/F		52	17-Jul-23	06-Sep-23	14-Mar-23	25-May-23	-104		
S3C2049	Access to Sidestream Treatment Facilities (1/F)	0	17-Jul-23		14-Mar-23		-125	S3C1120	S3C2050, S3C2230, S3C2260, S3C2270, S3C2271, S3C2275
S3C2050	Installation of Lifting Appliance (LA-06)	45	17-Jul-23	30-Aug-23	27-Mar-23	10-May-23	-112	S3P1773, S3C2049	S3C2260
S3C2230	Installation of Deodorisation System (DOU) No.4	30	17-Jul-23	15-Aug-23	27-Mar-23	25-Apr-23	-112	S3P1694, S3C2260, S3C2049	S3C2275, S3T1046
S3C2260	Installation of Air Blower System	15	17-Jul-23	31-Jul-23	27-Mar-23	10-Apr-23	-112	S3P1775, S3C2050, S3C2049	S3C2270, S3C2275, S3C2230, S3T1039
S3C2270	Installation of Ancillary Air Blower	7	01-Aug-23	07-Aug-23	13-Apr-23	19-Apr-23	-110	S3C2250, S3P1478, S3C2260, S3C2049	S3C2290, S3C2275, S3T1039
S3C2271	Installation of Electric Calorifier and hot water Pumps	7	17-Jul-23	23-Jul-23	14-Mar-23	20-Mar-23	-125	S3P1765, S3P1696, S3C2049	S3C2275, S3T1032
S3C2275	Installation of Pipeworks, Associate Valves and Fittings	30	08-Aug-23	06-Sep-23	26-Apr-23	25-May-23	-104	S3C2260, S3C2270, S3C2271, S3C2230, S3P1700, S3P1702, S3P1745, S3C2049	S3T1031
Electrical Installations		133	11-Jun-23	21-Oct-23	15-Feb-23	13-Jan-24	84		
B1350	Installation of Electrical system - Cable Containment	60	23-Jun-23	21-Aug-23	15-Feb-23	16-Apr-23	-128	B1353	B1351, S3T1050, B1364, B1365
B1351	Installation of Electrical system - Wall Mount Equipment, Conduit & Wiring	60	23-Jul-23	20-Sep-23	15-Oct-23	14-Dec-23	85	B1350	B1352, S3T1050
B1352	Installation of Electrical system - Lighting and Small Power Accessories	30	21-Sep-23	20-Oct-23	14-Dec-23	13-Jan-24	85	B1351	S3T1050

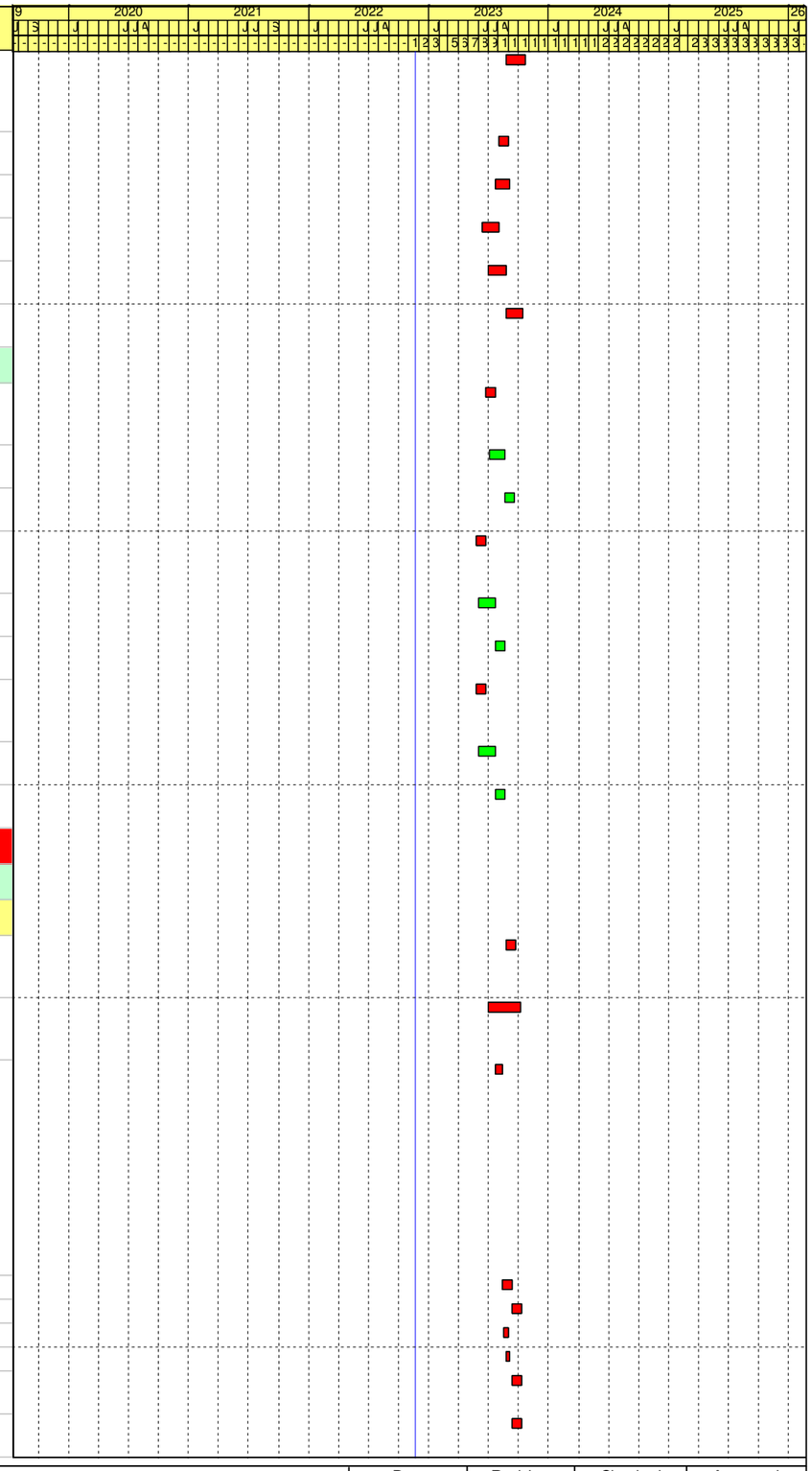


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
B1363	Installation of Online Monitoring instrument / Level Control Equipment	56	26-Aug-23	21-Oct-23	21-Apr-23	15-Jun-23	-128	S3P1769, S3P1767, S3P1725, S3C2251	S3C1250
B1364	Power Cable laying and Termination	30	01-Aug-23	30-Aug-23	10-May-23	08-Jun-23	-83	B1374, B1350	S3T1010
B1365	Installation of SCADA system	45	23-Jul-23	05-Sep-23	17-Mar-23	01-May-23	-128	B1350, S3P1704	S3T1040
B1373	Installation of Transformer room	55	11-Jun-23	04-Aug-23	24-Feb-23	19-Apr-23	-107	S3P1784	S3T1000, B1374
B1374	Installation of LV Switchroom	55	01-Jul-23	24-Aug-23	16-Mar-23	09-May-23	-107	S3P1771, B1373	B1364, S3T1000
S3C1250	Installation of Gas Detection System	50	26-Aug-23	15-Oct-23	21-Apr-23	09-Jun-23	-128	S3P1480, B1363	S3T1080
BS Equipment Installation		120	24-May-23	20-Sep-23	16-Jan-23	13-Jan-24	115		
B1353	Installation of MVAC system - Ceiling Mount Equipment, Main Ductwork & Pipework	30	23-Jun-23	22-Jul-23	15-Feb-23	17-Mar-23	-128	B1356, S3P1483	B1354, S3T1048, B1350
B1354	Installation of MVAC system - Wall Mount Equipment, Branch Duct & pipework	50	03-Jul-23	21-Aug-23	25-Oct-23	14-Dec-23	115	B1353, S3P1483	B1355, S3T1048
B1355	Installation of MVAC system - Air Grills & Diffuser	30	22-Aug-23	20-Sep-23	14-Dec-23	13-Jan-24	115	B1354, S3P1483	S3T1048
B1356	Installation of P&D System - Main Pipework	30	24-May-23	22-Jun-23	16-Jan-23	15-Feb-23	-128	B1359, S3S1020, S3C1100	B1357, B1353, S3T1049
B1357	Installation of P&D System - Branch Pipework	50	03-Jun-23	22-Jul-23	15-Sep-23	04-Nov-23	105	B1356	B1358, S3T1049
B1358	Installation of P&D System - Sanitary Fitting	30	23-Jul-23	21-Aug-23	04-Nov-23	04-Dec-23	105	B1357	S3T1049, S3S1030
B1359	Installation of FS system - Main Pipework	30	24-May-23	22-Jun-23	16-Jan-23	15-Feb-23	-128	S3S1020, S3C1100	B1360, B1356, S3T1047
B1360	Installation of FS system - Branch Pipework, Conduit & Wiring	50	03-Jun-23	22-Jul-23	15-Sep-23	04-Nov-23	105	B1359	B1361, S3T1047
B1361	Installation of FS system - Dropper, Sprinkler Head, Detector & Devices	30	23-Jul-23	21-Aug-23	04-Nov-23	04-Dec-23	105	B1360	S3T1047, S3S1030
Testing & Commissioning		631	30-Jun-23	21-Mar-25	02-Mar-23	10-May-24	-316		
For KD3A - Completion of Phase 1 Commissioning - 15 Jan 2024		274	30-Jun-23	29-Mar-24	02-Mar-23	15-Jan-24	-74		
SAT		108	30-Jun-23	15-Oct-23	02-Mar-23	09-Jun-23	-128		
S3T1000	SAT for TX & LV Switchboard	30	25-Aug-23	23-Sep-23	10-May-23	08-Jun-23	-107	B1374, B1373, S3P1480	S3T1010
S3T1031	Pipe Pressure Test	100	30-Jun-23	07-Oct-23	02-Mar-23	09-Jun-23	-120	S3C2300, S3C2251, S3C2275	S3T1080
S3T1032	Dry Test for Pumps	21	24-Jul-23	13-Aug-23	21-Mar-23	10-Apr-23	-125	S3C2070, S3C2080, S3C2090, S3C2100, S3C2110, S3C2120, S3C2130, S3C2140, S3C2142, S3C2200, S3C2271	S3T1033
S3T1033	Wet Test for Pumps	30	14-Aug-23	12-Sep-23	11-Apr-23	10-May-23	-125	S3T1032	S3T1034
S3T1034	Functional Test for Pumps	30	13-Sep-23	12-Oct-23	11-May-23	09-Jun-23	-125	S3T1033	S3T1080
S3T1035	SAT for Primary clarifier	14	17-Aug-23	30-Aug-23	27-May-23	09-Jun-23	-82	S3C2160	S3T1080
S3T1036	SAT for Secondary clarifier	14	23-Aug-23	05-Sep-23	27-May-23	09-Jun-23	-88	S3C2170	S3T1080
S3T1037	SAT for Phospaq Reactor	30	13-Sep-23	12-Oct-23	11-May-23	09-Jun-23	-125	S3C2280, S3C2180	S3T1080
S3T1038	SAT for Anammox Reactor	30	13-Sep-23	12-Oct-23	11-May-23	09-Jun-23	-125	S3C2290, S3C2190	S3T1080

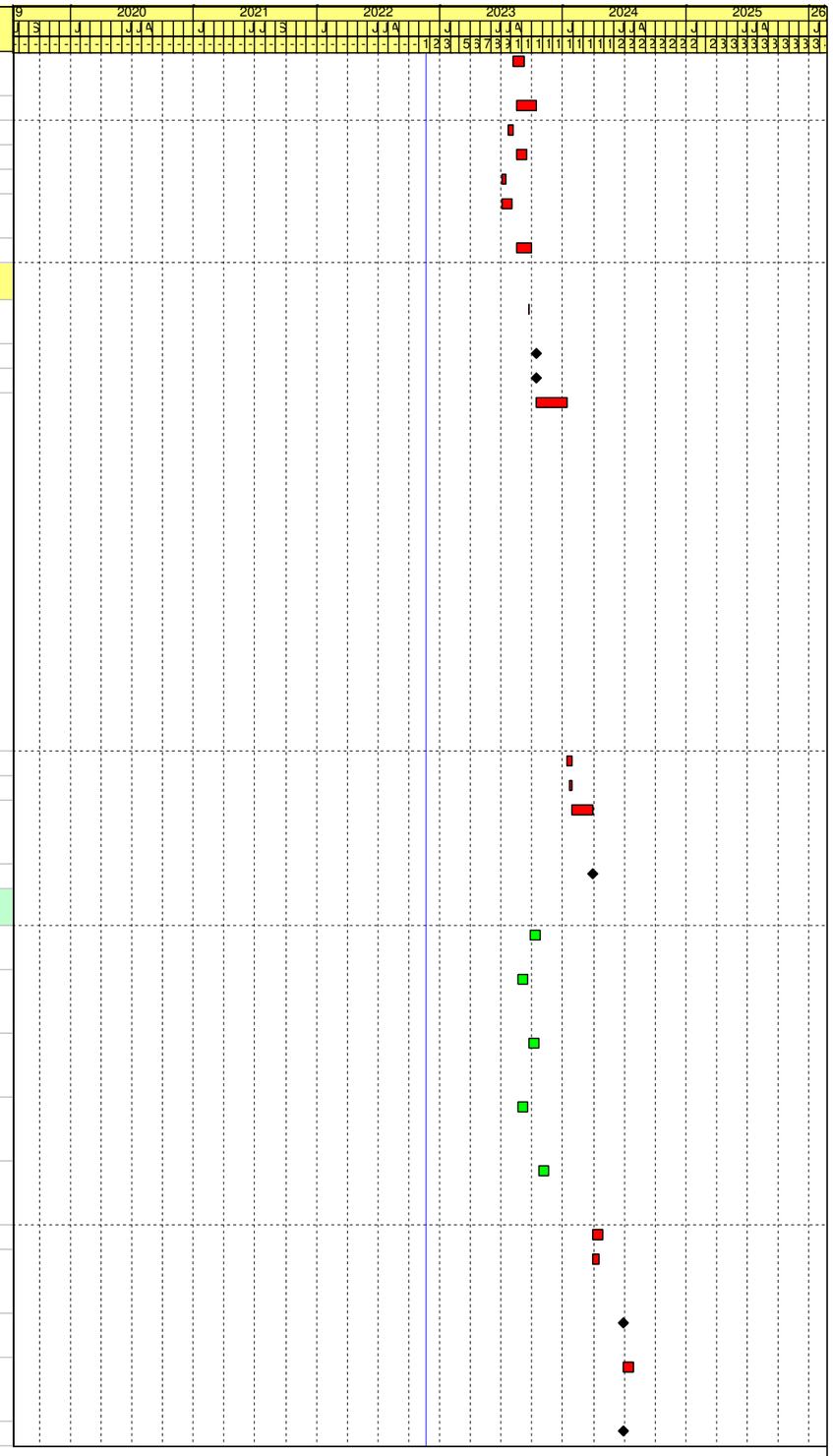


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3T1039	SAT for Air blowers	30	08-Aug-23	06-Sep-23	11-May-23	09-Jun-23	-89	S3C2260, S3C2270	S3T1080
S3T1040	SAT for SCADA System	60	16-Aug-23	15-Oct-23	11-Apr-23	09-Jun-23	-128	B1365	S3T1080
S3T1041	SAT for Drum Sludge Thickener	14	24-Jul-23	06-Aug-23	27-May-23	09-Jun-23	-58	S3C2215	S3T1080
S3T1042	SAT for mixer	30	16-Aug-23	14-Sep-23	11-May-23	09-Jun-23	-97	S3C2145	S3T1080
S3T1043	SAT for Heat Exchanger	14	03-Jul-23	16-Jul-23	27-May-23	09-Jun-23	-37	S3C2250	S3T1080
S3T1044	SAT for Dosing system	30	03-Jul-23	01-Aug-23	11-May-23	09-Jun-23	-53	S3C2210, S3C2200	S3T1080
S3T1046	SAT for DOU no.4	45	16-Aug-23	29-Sep-23	26-Apr-23	09-Jun-23	-112	S3C2230	S3T1080
Process Start Up & Phase 1 Commissioning Test		188	24-Sep-23	29-Mar-24	09-Jun-23	15-Jan-24	-74		
S3T1010	Power Energization (Power Provision from DE/2018/04 Contract)	1	24-Sep-23	24-Sep-23	09-Jun-23	09-Jun-23	-107	S3T1000, B1364	S3T1020, S3T1080
S3T1060	Existing sludge dewatering facilities Ready (by DE/2018/04 Contract)	0		15-Oct-23		09-Jun-23	-128		S3T1080
S3T1070	Plant service water from zone B/C Ready (Zone B by DE/2018/04 Contract)	0		15-Oct-23		09-Jun-23	-128		S3T1080
S3T1080	Process Start Up	92	15-Oct-23	15-Jan-24	10-Jun-23	09-Sep-23	-128	S3T1070, S3T1060, S3C1250, S3P1480, S3T1010, S3T1034, S3T1035, S3T1036, S3T1039, S3T1041, S3T1042, S3T1043, S3T1044, S3T1046, S3T1038, S3T1037, S3T1031, S3T1040	S3T1090
S3T1090	Submission & Acceptance of Process Start Up Report	14	15-Jan-24	29-Jan-24	10-Sep-23	23-Sep-23	-128	S3T1080	S3T1100
S3T1100	Notice for Commencement of Phase 1 Commissioning Tests	7	22-Jan-24	29-Jan-24	17-Sep-23	23-Sep-23	-128	S3T1090	S3T1110
S3T1110	Phase 1 Commissioning Tests with daily result to PM	60	29-Jan-24	29-Mar-24	24-Sep-23	22-Nov-23	-128	S3T1100	S3T1120, S3T1130, S3T1115
S3T1115	Completion of KD3A	0		29-Mar-24*		15-Jan-24	-74	S3T1110	KD1050-2
For Section 3 Completion - Remaining Commissioning Works - 05 Jun 2024		578	22-Aug-23	21-Mar-25	23-Nov-23	10-May-24	-316		
S3T1020	Essential T&C for FSD Inspection	30	25-Sep-23	24-Oct-23	09-Dec-23	08-Jan-24	76	S3T1010, S3P1480	S3S1150
S3T1047	SAT for FS system	30	22-Aug-23	20-Sep-23	13-Jan-24	12-Feb-24	145	B1361, B1359, B1360	S3S1170
S3T1048	SAT for MVAC System	30	21-Sep-23	20-Oct-23	13-Jan-24	12-Feb-24	115	B1355, B1353, B1354	S3S1170
S3T1049	SAT for P&D system	30	22-Aug-23	20-Sep-23	13-Jan-24	12-Feb-24	145	B1356, B1357, B1358	S3S1170
S3T1050	SAT for Electrical System (BS)	30	21-Oct-23	19-Nov-23	13-Jan-24	12-Feb-24	85	B1350, B1351, B1352	S3S1170
S3T1120	Submission & Acceptance of Phase 1 Commissioning Tests Report	30	29-Mar-24	28-Apr-24	19-Jan-24	18-Feb-24	-70	S3T1110	S3T1150
S3T1130	Phase 1 Post Commissioning with daily result to PM	19	29-Mar-24	17-Apr-24	23-Nov-23	11-Dec-23	-128	S3T1110	S3T1150, S3T1170, S5T1120
S3T1140	Ready to Process start up of the first Anaerobic Digester in Zone C	0	30-Jun-24		03-Feb-24		-148	S5T1120	S3T1150, S3T1170
S3T1150	Submission & Acceptance of Phase 1 Post Commissioning Report	30	30-Jun-24	29-Jul-24	18-Feb-24	19-Mar-24	-133	S3T1130, S3T1140, S3T1120	S3T1180
S3T1160	THP digested sludge centrate from Zone C Ready	0		29-Jun-24		03-Feb-24	-148		S3T1170

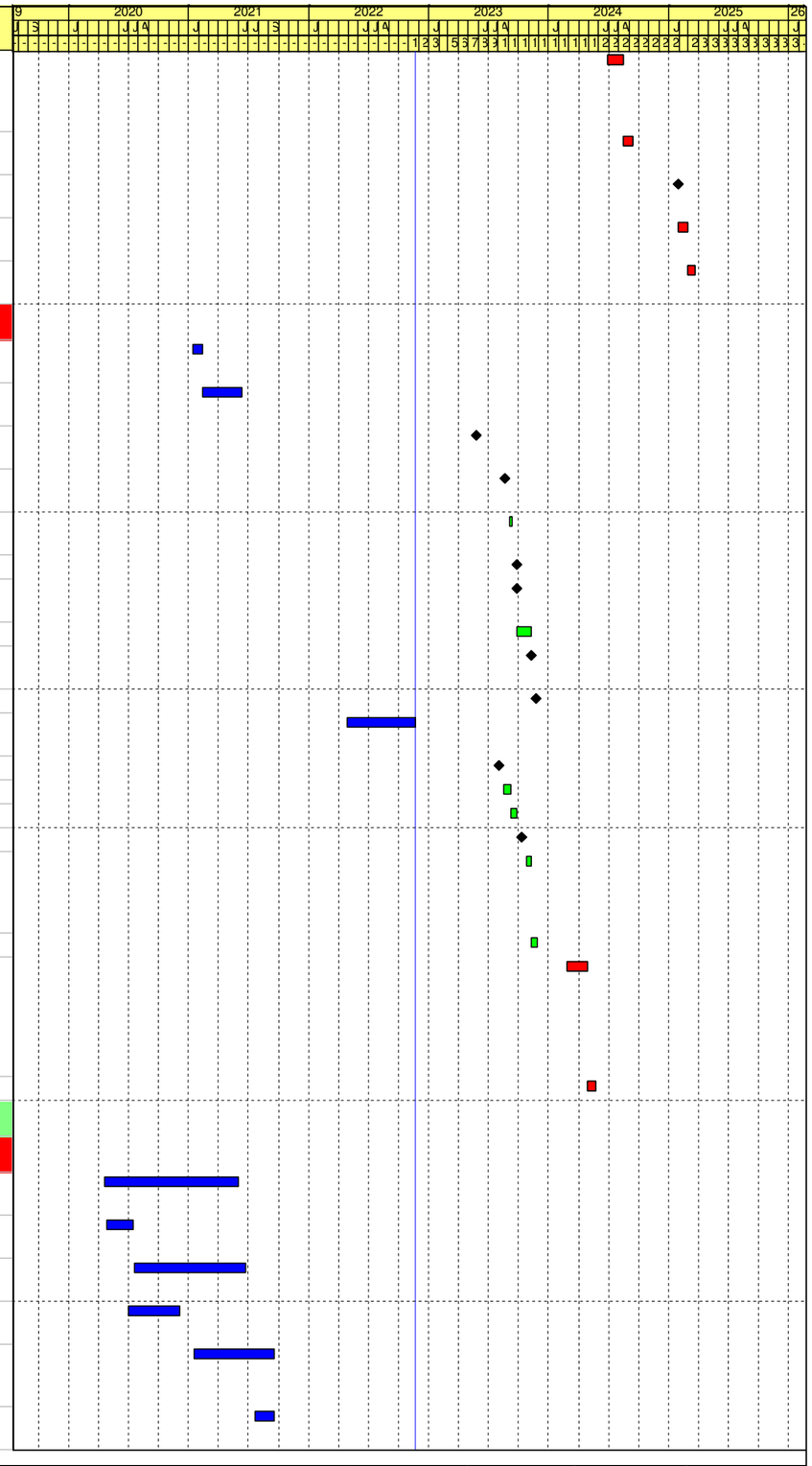


Remaining Work
Critical Activity
Milestone
Actual Progress

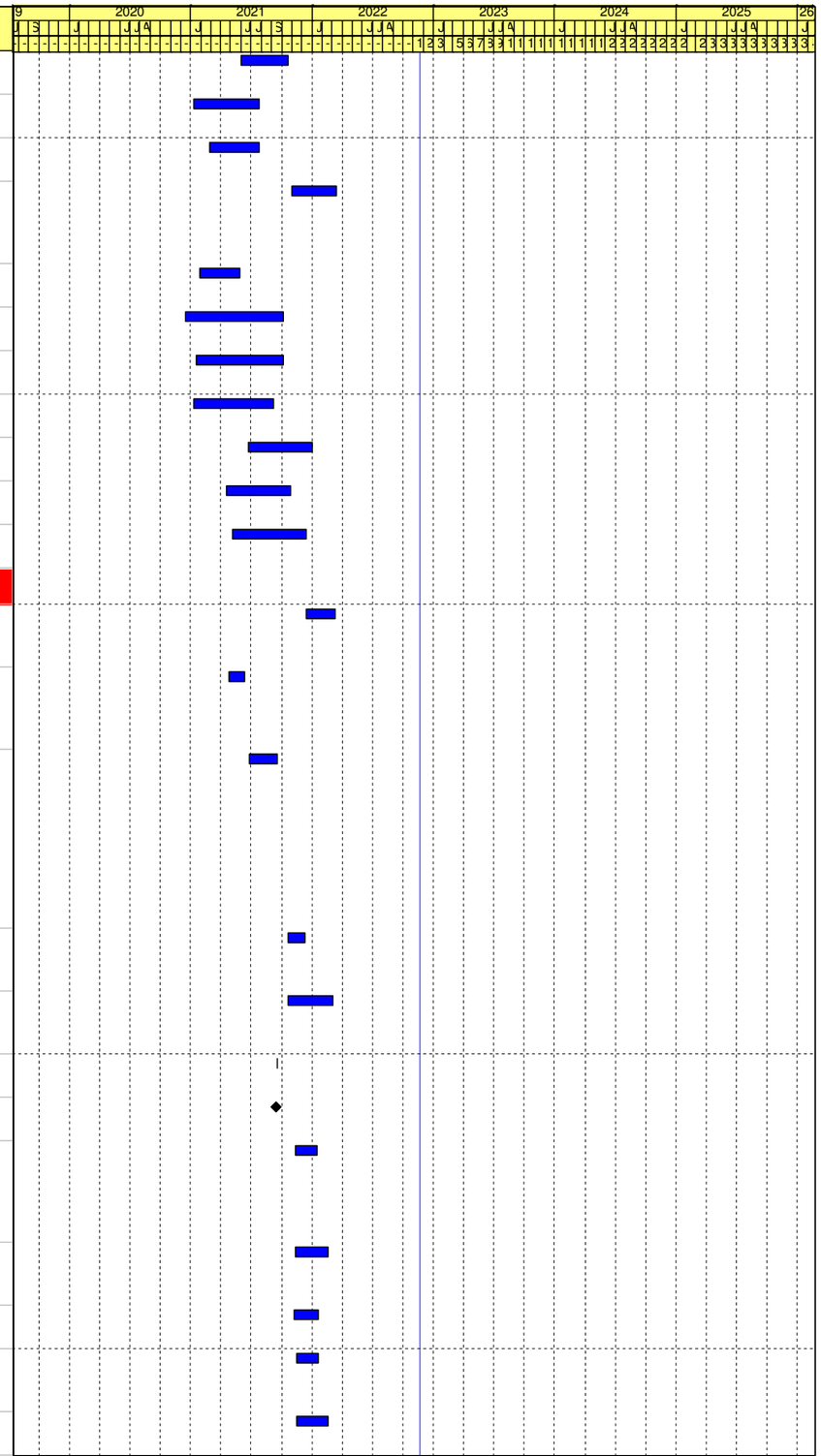
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S3T1170	Phase 2 Commissioning Tests with daily result to PM	45	30-Jun-24	13-Aug-24	03-Feb-24	19-Mar-24	-148	S3T1160, S3T1130, S3T1140	S3T1180, S3T1190, S3T1200, S5T1200
S3T1180	Submission & Acceptance of Phase 2 Commissioning Tests Report	30	14-Aug-24	12-Sep-24	19-Mar-24	18-Apr-24	-148	S3T1170, S3T1150	S3T1210
S3T1190	Commissioning of new Anaerobic Digesters (2 nos.) in Zone C Finished	0		28-Jan-25		19-Mar-24	-316	S3T1170, S5T1180	S3T1200
S3T1200	Phase 3 Commissioning Tests with daily result to PM	30	29-Jan-25	27-Feb-25	19-Mar-24	18-Apr-24	-316	S3T1190, S3T1170	S3T1210
S3T1210	Submission & Acceptance of Phase 3 Commissioning Tests Report	22	28-Feb-25	21-Mar-25	18-Apr-24	10-May-24	-316	S3T1200, S3T1180	SC31110
Statutory Submission / Inspection (FSD)		1220	12-Jan-21 A	24-May-24	01-Sep-22	10-May-24	-15		
S3S1000	Prepare & Submit GBP for FSD approval	90	12-Jan-21 A	10-Feb-21 A	01-Sep-22	01-Sep-22			S3S1010
S3S1010	FSD Review & Approval of GBP	180	11-Feb-21 A	11-Jun-21 A	01-Sep-22	01-Sep-22		S3S1000	S3S1150, S3C1100
S3S1020	Submit WWO46 Part I/II to WSD (FS / PD)	0	24-May-23		16-Jan-23		-128	S3D1550, S3D1510	B1359, B1356
S3S1030	Submit WWO46 Part IV to WSD (FS / PD)	0	22-Aug-23		04-Dec-23		105	B1358, B1361	S3S1040
S3S1040	WSD Inspection	7	05-Sep-23	11-Sep-23	18-Dec-23	25-Dec-23	105	S3S1030	S3S1060, S3S1050
S3S1050	Issuance of FS Water Certificate	0		25-Sep-23		08-Jan-24	105	S3S1040	S3S1150
S3S1060	Issuance of Form WWO46 Part Va	0		25-Sep-23		12-Mar-24	169	S3S1040	S3S1080, S3S1070
S3S1070	System Flushing / Sampling	45	26-Sep-23	09-Nov-23	12-Mar-24	26-Apr-24	169	S3S1060	S3S1080
S3S1080	Issuance of Form WWO46 Part Vb	0		09-Nov-23		26-Apr-24	169	S3S1060, S3S1070	S3S1090
S3S1090	Issuance of Water Certificate	0		23-Nov-23		10-May-24	169	S3S1080	SC31110
S3S1100	Submission & Approval of DG Application to FSD	180	29-Apr-22 A	21-Nov-22	13-Sep-23	14-Sep-23	297		S3C2255
S3S1110	Submit Application to FSD for DG Licence	0	02-Aug-23		29-Oct-23		89	S3C2255	S3S1120
S3S1120	D.G. Inspection, Defects Rectification & Re-inspection (Ventilation Division)	21	17-Aug-23	06-Sep-23	13-Nov-23	04-Dec-23	89	S3S1110	S3S1130
S3S1130	D.G. Inspection, Defects Rectification & Re-inspection (DG Division)	21	07-Sep-23	27-Sep-23	04-Dec-23	25-Dec-23	89	S3S1120	S3S1140
S3S1140	DG Licence issued	0		11-Oct-23		08-Jan-24	89	S3S1130	S3S1150
S3S1150	Prepare & Submit FS/314, FS/501 & FS/501a	14	25-Oct-23	07-Nov-23	08-Jan-24	22-Jan-24	76	S3S1010, S3S1140, S3S1050, S3T1020	S3S1160
S3S1160	FSD Review & Approval of FS/314, FS/501 & FS/501a	21	08-Nov-23	28-Nov-23	22-Jan-24	12-Feb-24	76	S3S1150	S3S1170
S3S1170	F.S. Inspection, Defects Rectification & Re-inspection	60	27-Feb-24	26-Apr-24	12-Feb-24	12-Apr-24	-15	S3S1160, S3C1150, S3T1047, S3T1049, S3T1048, S3T1050	S3S1180
S3S1180	Issuance of Acceptance Letter	28	27-Apr-24	24-May-24	12-Apr-24	10-May-24	-15	S3S1170	SC31110
Section 4 - Complete Construction & T&C for UV System No.1 & EP Station No. 1		932	18-Apr-20 A	13-Sep-22 A	12-Oct-22	16-Apr-25			
Major Plant & Materials Fabrication & Delivery		725	18-Apr-20 A	16-Mar-22 A	15-Feb-23	27-Mar-25			
S4P1000	Procurement & PO for FRP Cover	409	18-Apr-20 A	31-May-21 A	15-Feb-23	15-Feb-23		PL1010	S4P1090
S4P1010	Procurement & PO for Pipeworks & Associated Valves	90	25-Apr-20 A	15-Jul-20 A	15-Feb-23	15-Feb-23		S1D1000	S4P1130
S4P1020	Procurement & PO for Elec. Materials	365	18-Jul-20 A	22-Jun-21 A	27-Mar-25	27-Mar-25		S1D1130	S4P1140
S4P1030	Procurement & PO for FS System	60	02-Jul-20 A	04-Dec-20 A	27-Mar-25	27-Mar-25		S1D1330	S4P1150
S4P1040	Fabrication of UV Disinfection System	239	18-Jan-21 A	17-Sep-21 A	15-Feb-23	15-Feb-23		S1P1000, KD1000, S1D1210	S4C1080, S4P1050
S4P1050	FAT for UV Disinfection System	71	23-Jul-21 A	17-Sep-21 A	15-Feb-23	15-Feb-23		S4P1040	S4P1060



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S4P1060	Delivery of UV Disinfection System	149	01-Jun-21 A	22-Oct-21 A	15-Feb-23	15-Feb-23		S4P1050	S4C1080
S4P1070	Fabrication & Delivery of Lift-up Pumps	225	11-Jan-21 A	26-Jul-21 A	15-Feb-23	15-Feb-23		S1P1010, S1D1290	S4C1040
S4P1080	Fabrication & Delivery of Transfer Pumps	218	26-Feb-21 A	26-Jul-21 A	15-Feb-23	15-Feb-23		S1P1020, S1D1290	S5UVPC1000
S4P1090	Fabrication & Delivery of FRP Cover	89	01-Nov-21 A	16-Mar-22 A	15-Feb-23	15-Feb-23		S1D1290, S4P1000, S1P1020, PL1010	S4T1010
S4P1100	Fabrication & Delivery of EOT Cranes (2T & 5T)	170	28-Jan-21 A	27-May-21 A	15-Feb-23	15-Feb-23		S1P1030, S1D1290	S4C1020
S4P1110	Fabrication & Delivery of Stoplogs	289	16-Dec-20 A	07-Oct-21 A	15-Feb-23	15-Feb-23		S1P1040, S1D1290	S4C1070
S4P1120	Fabrication & Delivery of Penstocks	256	18-Jan-21 A	07-Oct-21 A	15-Feb-23	15-Feb-23		S1P1050, S1D1290	S4C1070
S4P1130	Fabrication & Delivery of Pipeworks & Associated Valves	200	11-Jan-21 A	08-Sep-21 A	15-Feb-23	15-Feb-23		S4P1010, S1D1290	S4C1040
S4P1140	Fabrication & Delivery of Elec. Materials	190	24-Jun-21 A	31-Dec-21 A	27-Mar-25	27-Mar-25		S4P1020, S1D1330	S4C1120
S4P1150	Fabrication & Delivery of FS System	187	18-Apr-21 A	28-Oct-21 A	27-Mar-25	27-Mar-25		S4P1030, S1D1330	S4C1100
S4P1160	Fabrication & Delivery of Temp. Switchboard	194	05-May-21 A	15-Dec-21 A	15-Feb-23	15-Feb-23			S4C1000
E&M Installation		449	25-Apr-21 A	23-Jun-22 A	12-Oct-22	27-Mar-25			
S4C1000	Provision of Temporary Power for UV System No.1 & Effluent Transfer Pumping Station	45	15-Dec-21 A	11-Mar-22 A	15-Feb-23	15-Feb-23		S4C1010, S1D1130, S4P1160	S4T1010, S4C1140
S4C1010	Mobilisation (Partial Access on 24 Apr 2021, Remaining Access on 12 May 2021)	30	25-Apr-21 A	12-Jun-21 A	12-Oct-22	12-Oct-22		AD1010, S1D1130, AD1020	S4C1020, S5TXRC1030, S4C1090, S4C1000
S4C1020	E&M Installation of EOT Cranes (2T)	46	25-Jun-21 A	17-Sep-21 A	15-Feb-23	15-Feb-23		S1D1180, S1D1260, S4C1010, S4P1100	S4T1010, S4C1030, S4C1040, S4C1110, S4C1090, S4T1000, S4C1080, S4C1070, PL1200
S4C1030	E&M Installation of EOT Cranes (5T)	60	20-Oct-21 A	11-Dec-21 A	15-Feb-23	15-Feb-23		S4C1020	S5UVPC1000, S4T1000, PL1200
S4C1040	E&M Installation of Transfer Pumps & Associated Pipeworks / Valves	103	21-Oct-21 A	05-Mar-22 A	15-Feb-23	15-Feb-23		S4C1020, S4P1070, S4P1130	S5TXRC1050, S4T1010, PL1200
S4C1050	Preperation Works for E&M Installation of Penstocks & Stoplogs	3	17-Sep-21 A	19-Sep-21 A	15-Feb-23	15-Feb-23			S4C1070
S4C1060	CNE-014 Access to and use to Portion C-1A for Installation of EOT, UV Equipment and Effluent Transfer Pump	0	16-Sep-21 A		15-Feb-23				S4C1070
S4C1070	E&M Installation of Penstocks & Stoplogs (Impacted by CNE-014)	66	11-Nov-21 A	15-Jan-22 A	15-Feb-23	15-Feb-23		S4P1110, S4P1120, S4C1020, S4C1050, S4C1060	S4T1010, S5TXRC1050, PL1200
S4C1080	E&M Installation of UV System	44	11-Nov-21 A	19-Feb-22 A	15-Feb-23	15-Feb-23		S4P1040, S4P1060, S4C1020	S4T1010, S5TXRC1050, PL1200
S4C1090	FS Installation - Conduits, Trunking, & Pipeworks	74	08-Nov-21 A	18-Jan-22 A	27-Mar-25	27-Mar-25		S4C1010, S4C1020	S4C1100, PL1200
S4C1100	FS Installation - Cable Laying, Termination, Associated Fitting & Field Devices	67	15-Nov-21 A	18-Jan-22 A	27-Mar-25	27-Mar-25		S4P1150, S4C1090	SC41110, S4S1010, PL1200
S4C1110	BS Fitting Installation - Conduits, Trunking, & Ductworks	111	15-Nov-21 A	19-Feb-22 A	27-Mar-25	27-Mar-25		S4C1020, S1D1310	S4C1120, PL1200

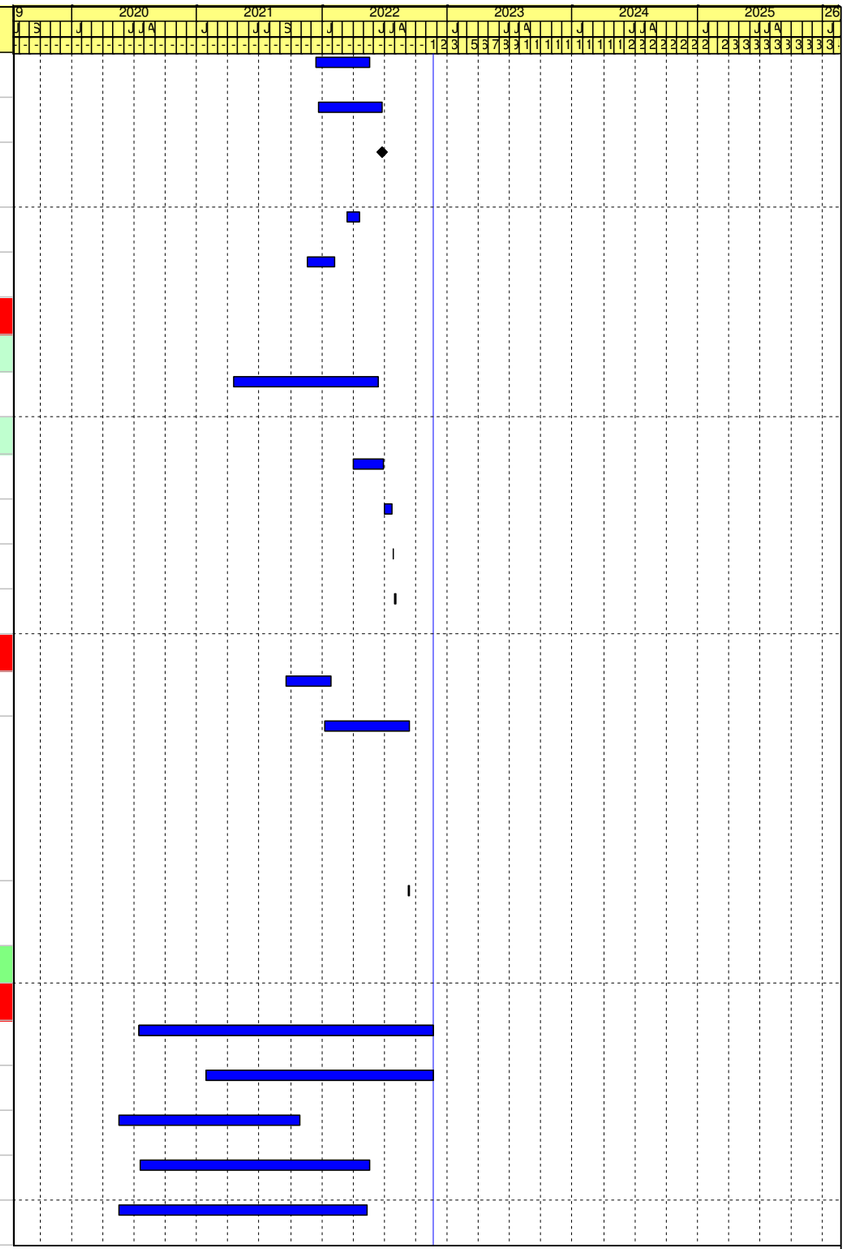


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S4C1120	BS Fitting Installation - Cable Laying, Termination, Associated Fitting & Field Devices	139	13-Dec-21 A	21-May-22 A	27-Mar-25	27-Mar-25		S4C1110, S4P1140	S4C1150, PL1200
S4C1130	Excavation Works & Cable Laying - by CLP (Impacted by CNE-035)	184	22-Dec-21 A	23-Jun-22 A	15-Feb-23	15-Feb-23			S4C1140
S4C1140	Ready for Power Energization	0		23-Jun-22 A		15-Feb-23		S4C1000, S4C1130, S4S1000	S4S1030, S4T1010
S4C1150	Installation of CCTV System	37	14-Mar-22 A	19-Apr-22 A	27-Mar-25	27-Mar-25		S4C1120	SC41110, PL1200
S4C1160	Installation of FS Link	84	17-Nov-21 A	08-Feb-22 A	27-Mar-25	27-Mar-25			S4S1010, PL1200
Statutory Submission / Inspection		511	17-Apr-21 A	02-Aug-22 A	15-Feb-23	16-Apr-25			
CLP Submission		425	17-Apr-21 A	15-Jun-22 A	15-Feb-23	15-Feb-23			
S4S1000	Submission & Approval of Electrical Schematic Wiring Diagram to CLP (Temp. Power)	425	17-Apr-21 A	15-Jun-22 A	15-Feb-23	15-Feb-23			S4C1140
FSD Submission & Inspection		176	01-Apr-22 A	02-Aug-22 A	16-Apr-25	16-Apr-25			
S4S1010	Prepare & Submit FS/314, FS/501 & FS/501a	91	01-Apr-22 A	30-Jun-22 A	16-Apr-25	16-Apr-25		S4C1100, S4C1160	S4S1020
S4S1020	FSD Review & Approval of FS/314, FS/501 & FS/501a	25	01-Jul-22 A	25-Jul-22 A	16-Apr-25	16-Apr-25		S4S1010	S4S1030
S4S1030	F.S. Inspection, Defects Rectification & Re-inspection	4	26-Jul-22 A	29-Jul-22 A	16-Apr-25	16-Apr-25		S4S1020, S4C1140	S4S1040
S4S1040	Issuance of Acceptance Letter	14	30-Jul-22 A	02-Aug-22 A	16-Apr-25	16-Apr-25		S4S1030	SC41110
Testing & Commissioning		329	18-Sep-21 A	13-Sep-22 A	15-Feb-23	15-Feb-23			
S4T1000	T&C and R.P.E inspection for EOT Cranes	133	18-Sep-21 A	28-Jan-22 A	15-Feb-23	15-Feb-23		S4C1020, S4C1030	S4T1010
S4T1010	SAT for UV System No. 1 & Effluent Transfer Pumping Station No. 1 (Impacted by CNE-035)	217	10-Jan-22 A	13-Sep-22 A	15-Feb-23	15-Feb-23		S4C1020, S4C1070, S4C1080, S4C1000, S4T1000, S4C1040, S4P1090, S4C1140	S4T1020
S4T1020	System Commissioning Tests	3	11-Sep-22 A	13-Sep-22 A	15-Feb-23	15-Feb-23		S4T1010	SC41110, PL1290, S5UVPC1000
Section 5 - Complete all remaining Works (incl. T&C)		1769	18-May-20 A	21-Mar-25	22-Mar-22	16-Apr-25	26		
Fabrication, FAT & Delivery of Major Plant & Materials		802	18-May-20 A	14-Dec-22	13-Apr-22	16-Apr-25	854		
S5P1000	Procurement & PO for Biogas Booster and Transfer Pumps	735	17-Jul-20 A	21-Nov-22	30-Jul-22	30-Jul-22	-114	S2P1000	S5BIOP1000
S5P1010	Procurement & PO for Pipeworks & Associated Valves	539	29-Jan-21 A	21-Nov-22	04-Aug-22	04-Aug-22	-109	S2D1070	S5CHPP1070, S5DIGP1020
S5P1020	Procurement & PO for Lifting Appliances	530	18-May-20 A	29-Oct-21 A	16-Apr-25	16-Apr-25		S2P1020	
S5P1030	Procurement & PO for Ferric Chloride Storage Tank	668	20-Jul-20 A	18-May-22 A	30-Sep-22	30-Sep-22		S2P1000	S5FCDP1000
S5P1040	Procurement & PO for Ferric Chloride Dosing Pump	726	18-May-20 A	13-May-22 A	24-Nov-22	24-Nov-22		S2P1020	S5FCDP1010

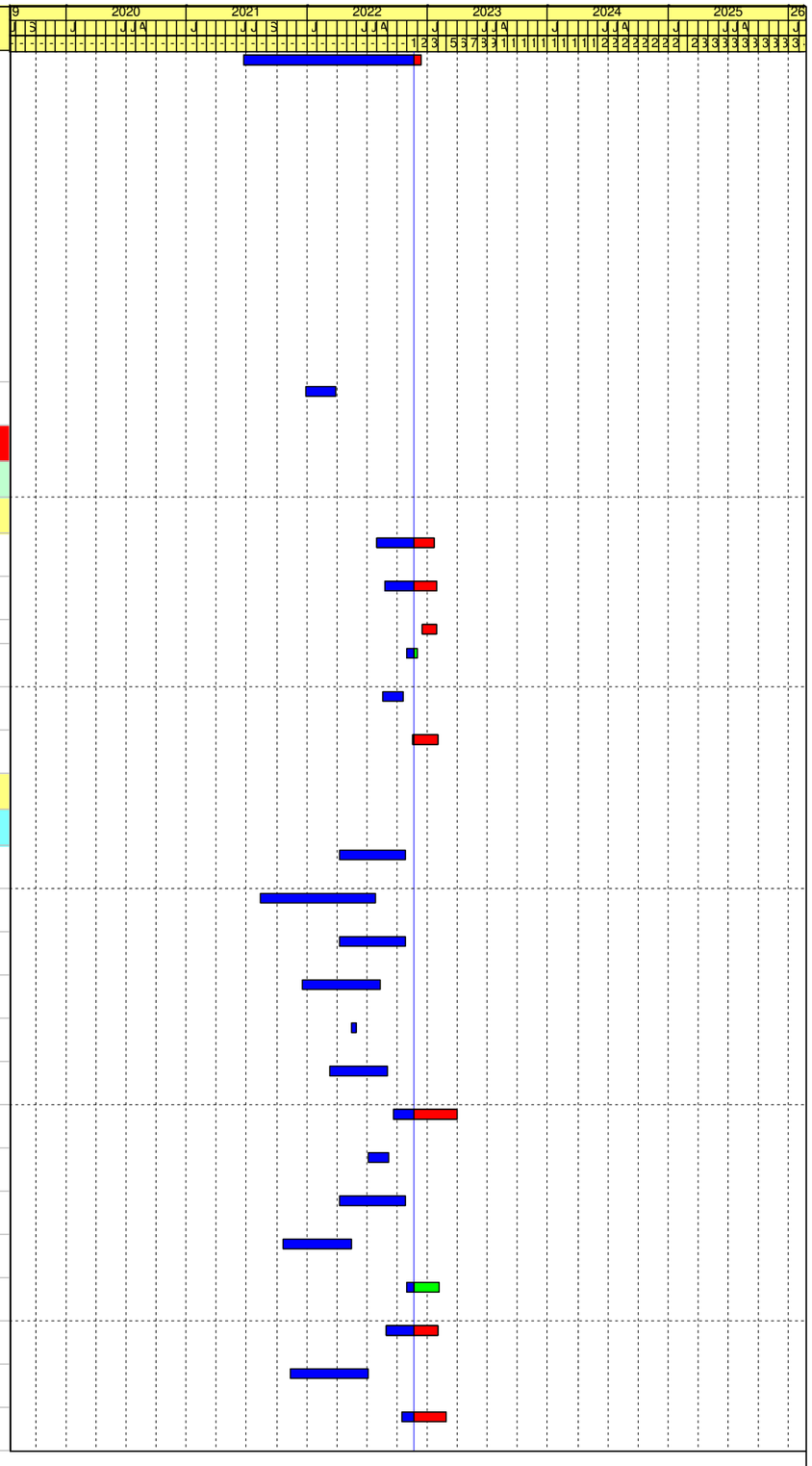


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5P1050	Procurement & PO for Electrical Sub-contractor	396	21-Jun-21 A	14-Dec-22	13-Apr-22	06-May-22	-222	PL1010, S2P1130, S2D1370, S2D1570, S2D1270, S2D1310, S2D1430, S2D1470, S2D1510, S2D1630, S2D1670	S5SDBC1710, S5SDBC1680, S5SDBC1740, S5CHPC1100, S5CHPC1230, S5CHPC1290, S5TXRC1030, S5TXRC1040, S5DIGC1120, S5DIGC1160, S5DIGC1200, S5DIGC1260, S5EXAC1030, S5EXAC1040, S5EXAC1050, S5EXAC1060, S5EXAC1045
S5P1070	Procurement & PO for mechanical ventilation system	90	28-Dec-21 A	28-Mar-22 A	16-Apr-25	16-Apr-25			
Sludge Dewatering Building		1248	11-Aug-21 A	30-Dec-23	22-Mar-22	27-Feb-24	59		
Procurement, Fabrication, FAT & Delivery of Major Plant & Materials		1213	11-Aug-21 A	11-Oct-23	22-Mar-22	01-Sep-23	-41		
Procurement		942	31-Jul-22 A	31-Jan-23	07-May-22	15-Jan-23	-16		
S5SDBP1190	Procurement & PO for Genset	174	31-Jul-22 A	20-Jan-23	07-May-22	06-Jul-22	-198		S5SDBP1200
S5SDBP1485	Procurement & PO for DI pipework (G/F and 1/F)	160	24-Aug-22 A	30-Jan-23	24-Jun-22	02-Sep-22	-150		S5SDBP1555
S5SDBP1575	Procurement & PO for Process Water Pumps	45	17-Dec-22*	30-Jan-23	11-Sep-22	25-Oct-22	-97		S5SDBP1565
S5SDBP1595	Procurement & PO for FRP ductworks	45	31-Oct-22 A	30-Nov-22	06-Jan-23	15-Jan-23	46		S5SDBP1585
S5SDBP1615	Procurement & PO for DI pipework (B/F)	45	17-Aug-22 A	20-Oct-22 A	04-Aug-22	04-Aug-22			S5SDBP1605
S5SDBP1630	Procurement & PO for Sludge Skip (PS Screen & Dewatering Screen)	75	18-Nov-22 A	31-Jan-23	07-Oct-22	17-Dec-22	-45		S5SDBP1310
Mechanical		612	11-Aug-21 A	14-Jul-23	26-Apr-22	01-Sep-23	48		
Fabrication and FAT		603	11-Aug-21 A	14-Jun-23	26-Apr-22	01-Sep-23	78		
S5SDBP1140	Fabrication & FAT of PS Screen Feed Pump	201	11-Apr-22 A	28-Oct-22 A	23-Nov-22	23-Nov-22			S5SDBP1145
S5SDBP1150	Fabrication & FAT of Sludge Screen	350	11-Aug-21 A	26-Jul-22 A	05-Feb-23	05-Feb-23			S5SDBP1155
S5SDBP1170	Fabrication & FAT of External Sludge Transfer Pump	201	11-Apr-22 A	28-Oct-22 A	30-Nov-22	30-Nov-22			S5SDBP1085
S5SDBP1210	Fabrication & Delivery of Lift	210	18-Dec-21 A	10-Aug-22 A	01-Sep-23	01-Sep-23			S5SDBC1770
S5SDBP1212	FAT of Sludge Thickening Centrifuges	16	16-May-22 A	31-May-22 A	17-Nov-22	17-Nov-22		S5SDBP1260	S5SDBP1215
S5SDBP1230	Fabrication and FAT of Recirculation Pumps	175	10-Mar-22 A	31-Aug-22 A	19-Sep-22	19-Sep-22			S5SDBP1185
S5SDBP1240	Fabrication and FAT of Primary Sludge Holding Tank Mixer	191	22-Sep-22 A	31-Mar-23	28-Aug-22	05-Jan-23	-85		S5SDBP1195
S5SDBP1242	FAT of Sludge Dewatering Centrifuges	62	06-Jul-22 A	05-Sep-22 A	17-Dec-22	17-Dec-22		S5SDBP1290	S5SDBP1245
S5SDBP1250	Fabrication and FAT of Thickening Centrifuge Feed Pump	201	11-Apr-22 A	28-Oct-22 A	06-Nov-22	06-Nov-22			S5SDBP1205
S5SDBP1260	Fabrication of Sludge Thickening Centrifuges	206	22-Oct-21 A	15-May-22 A	17-Nov-22	17-Nov-22			S5SDBP1212
S5SDBP1270	Fabrication and FAT of Thickening Sludge Silo	98	01-Nov-22 A	06-Feb-23	29-Dec-22	16-Mar-23	38		S5SDBP1225
S5SDBP1280	Fabrication and FAT of THP Feed Pump	100	31-Aug-22 A	31-Jan-23	14-Oct-22	24-Dec-22	-38		S5SDBP1235
S5SDBP1290	Fabrication of Sludge Dewatering Centrifuges	238	10-Nov-21 A	05-Jul-22 A	17-Dec-22	17-Dec-22			S5SDBP1242
S5SDBP1300	Fabrication and FAT of Conveyor	135	17-Oct-22 A	28-Feb-23	08-Oct-22	15-Jan-23	-44		S5SDBP1265

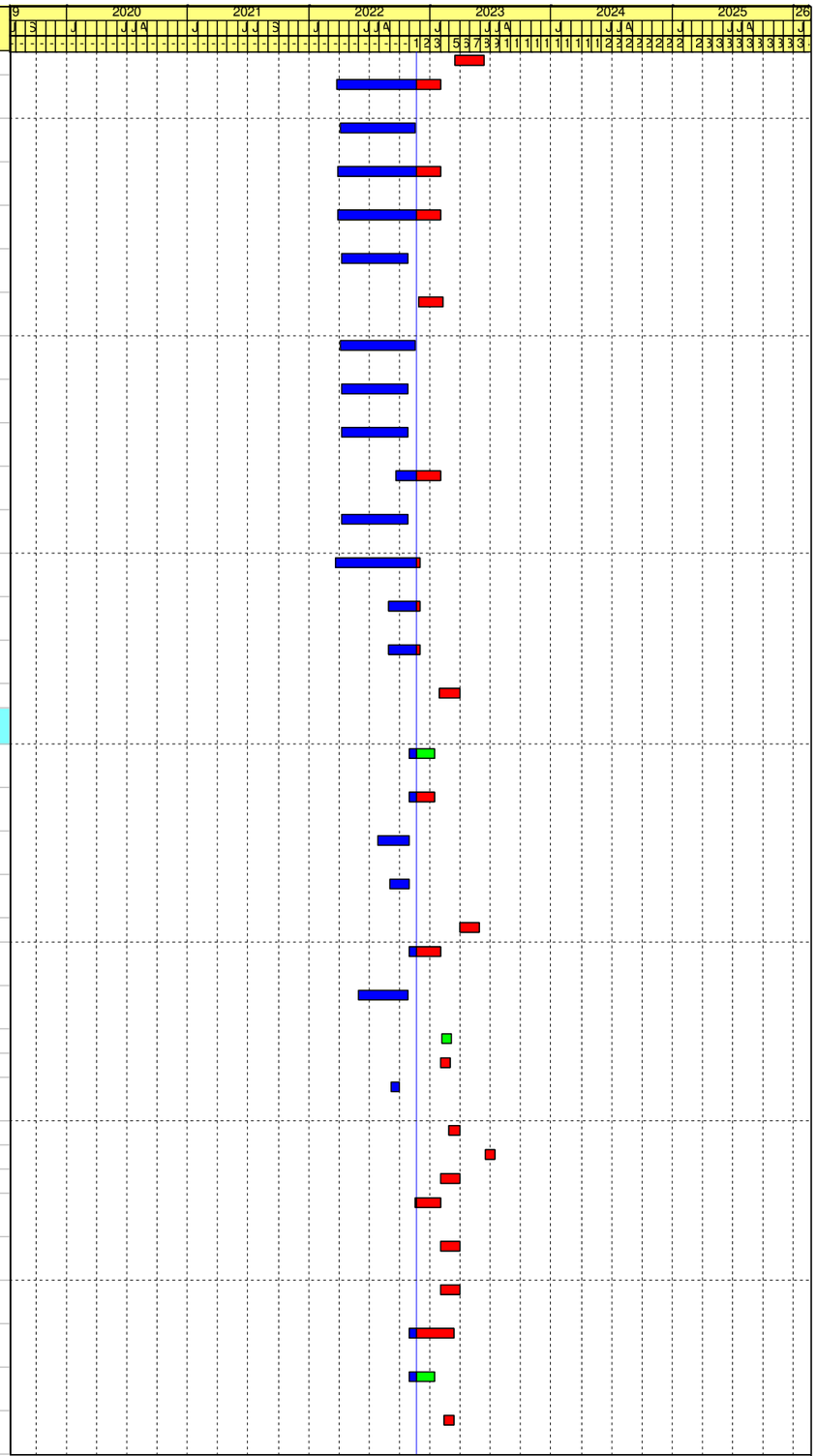


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SDBP1310	Fabrication and FAT of Sludge Skip (PS Screen & Dewatering Screen)	90	17-Mar-23*	14-Jun-23	18-Dec-22	17-Mar-23	-89	S5SDBP1630	S5SDBP1275
S5SDBP1320	Fabrication and FAT of Centrate Transfer Pumps	313	25-Mar-22 A	31-Jan-23	03-May-22	13-Jul-22	-202		S5SDBP1295
S5SDBP1330	Fabrication and FAT of Thickening Polymer Powder Unit	226	06-Apr-22 A	17-Nov-22 A	26-Apr-22	26-Apr-22			S5SDBP1315, S5SDBP1380
S5SDBP1340	Fabrication and FAT of Preparation Tank Mixers	310	28-Mar-22 A	31-Jan-23	06-Oct-22	16-Dec-22	-46		S5SDBP1325
S5SDBP1350	Fabrication and FAT of Storage Tank Mixers	310	28-Mar-22 A	31-Jan-23	06-Oct-22	16-Dec-22	-46		S5SDBP1335
S5SDBP1360	Fabrication and FAT of Polymer Transfer Pumps	201	11-Apr-22 A	28-Oct-22 A	17-Sep-22	17-Sep-22			S5SDBP1345
S5SDBP1370	Fabrication and FAT of FRP Tank (Thickening & Dewatering Polymer Dosing System)	75	28-Nov-22*	10-Feb-23	24-Aug-22	06-Nov-22	-96		S5SDBP1365
S5SDBP1380	Fabrication and FAT of Dewatering Polymer Powder Unit	226	06-Apr-22 A	17-Nov-22 A	26-Apr-22	26-Apr-22		S5SDBP1330	S5SDBP1385
S5SDBP1390	Fabrication and FAT of Polymer Dosing Pumps	201	11-Apr-22 A	28-Oct-22 A	07-Jan-23	07-Jan-23			S5SDBP1355
S5SDBP1450	Fabrication and FAT of Dewatering Centrifuge Feed Pumps	201	11-Apr-22 A	28-Oct-22 A	23-Nov-22	23-Nov-22			S5SDBP1455
S5SDBP1460	Fabrication and FAT of Mixers (Digested Sludge Holding Tank)	90	22-Sep-22 A	31-Jan-23	25-Nov-22	04-Feb-23	4		S5SDBP1465
S5SDBP1470	Fabrication and FAT of Sludge Transfer Pumps (THP By Pass)	201	11-Apr-22 A	28-Oct-22 A	16-Nov-22	16-Nov-22			S5SDBP1475
S5SDBP1520	Fabrication and FAT of Hoist	197	21-Mar-22 A	30-Nov-22	23-Jul-22	01-Aug-22	-121		S5SDBP1525
S5SDBP1530	Fabrication and FAT of Steel Work (Monorails)	60	29-Aug-22 A	02-Dec-22	13-Nov-22	24-Nov-22	-8		S5SDBP1535
S5SDBP1540	Fabrication and FAT of Steel Work (EOT)	60	29-Aug-22 A	02-Dec-22	03-Aug-22	14-Aug-22	-110		S5SDBP1545
S5SDBP1565	Fabrication and FAT of Process Water Pumps	60	31-Jan-23	31-Mar-23	26-Oct-22	24-Dec-22	-97	S5SDBP1575	S5SDBP1495
Delivery		297	01-Jun-22 A	14-Jul-23	26-Apr-22	16-Apr-23	-89		
S5SDBP1085	Delivery of External Sludge Transfer Pump	78	29-Oct-22 A	14-Jan-23	30-Nov-22	23-Jan-23	9	S5SDBP1170	S5SDBC1135
S5SDBP1145	Delivery of PS Screen Feed Pump	78	29-Oct-22 A	14-Jan-23	23-Nov-22	16-Jan-23	2	S5SDBP1140	S5SDBC1790
S5SDBP1155	Delivery of Sludge Screen Press	76	27-Jul-22 A	31-Oct-22 A	05-Feb-23	05-Feb-23		S5SDBP1150	S5SDBC1590
S5SDBP1185	Delivery of Recirculation Pumps	60	01-Sep-22 A	31-Oct-22 A	19-Sep-22	19-Sep-22		S5SDBP1230	S5SDBC1115, S5SDBC1165
S5SDBP1195	Delivery of Primay Sludge Holding Tank Mixer	60	01-Apr-23	30-May-23	06-Jan-23	06-Mar-23	-85	S5SDBP1240	S5SDBC1314
S5SDBP1205	Delivery of Thickening Centrifuges Feed Pump	95	29-Oct-22 A	31-Jan-23	06-Nov-22	16-Jan-23	-15	S5SDBP1250	S5SDBC1175
S5SDBP1215	Delivery of Sludge Thickening Centrifuges	143	01-Jun-22 A	28-Oct-22 A	17-Nov-22	17-Nov-22		S5SDBP1212	S5SDBC1570
S5SDBP1225	Delivery of Thickening Sludge Silo	30	07-Feb-23	08-Mar-23	17-Mar-23	15-Apr-23	38	S5SDBP1270	S5SDBC1450
S5SDBP1235	Delivery of THP Feed Pump	30	01-Feb-23	02-Mar-23	25-Dec-22	23-Jan-23	-38	S5SDBP1280	S5SDBC1780
S5SDBP1245	Delivery of Sludge Dewatering Centrifuges	24	07-Sep-22 A	30-Sep-22 A	17-Dec-22	17-Dec-22		S5SDBP1242	S5SDBC1580
S5SDBP1265	Delivery of Conveyor	30	01-Mar-23	30-Mar-23	16-Jan-23	14-Feb-23	-44	S5SDBP1300	S5SDBC1450
S5SDBP1275	Delivery of Sludge Skip (PS Screen & Dewatering Screen)	30	15-Jun-23	14-Jul-23	18-Mar-23	16-Apr-23	-89	S5SDBP1310	S5SDBC1870
S5SDBP1295	Delivery of Centrate Transfer Pumps	60	01-Feb-23	01-Apr-23	14-Jul-22	11-Sep-22	-202	S5SDBP1320	S5SDBC1105
S5SDBP1315	Delivery of Thickening Polymer Powder Unit	75	18-Nov-22 A	31-Jan-23	19-May-22	29-Jul-22	-186	S5SDBP1330	S5SDBC1470, S5SDBC1265
S5SDBP1325	Delivery of Preparation Tank Mixers	60	01-Feb-23	01-Apr-23	17-Dec-22	14-Feb-23	-46	S5SDBP1340	S5SDBC1600, S5SDBC1285
S5SDBP1335	Delivery of Storage Tank Mixers	60	01-Feb-23	01-Apr-23	17-Dec-22	14-Feb-23	-46	S5SDBP1350	S5SDBC1600, S5SDBC1285
S5SDBP1345	Delivery of Polymer Transfer Pumps	138	29-Oct-22 A	15-Mar-23	17-Sep-22	09-Jan-23	-65	S5SDBP1360	S5SDBC1145, S5SDBC1810
S5SDBP1355	Delivery of Polymer Dosing Pumps	78	29-Oct-22 A	14-Jan-23	07-Jan-23	02-Mar-23	47	S5SDBP1390	S5SDBC1610, S5SDBC1325
S5SDBP1365	Delivery of FRP Tank (Thickening & Dewatering Polymer Dosing System)	30	11-Feb-23	12-Mar-23	07-Nov-22	06-Dec-22	-96	S5SDBP1370	S5SDBC1560, S5SDBC1275

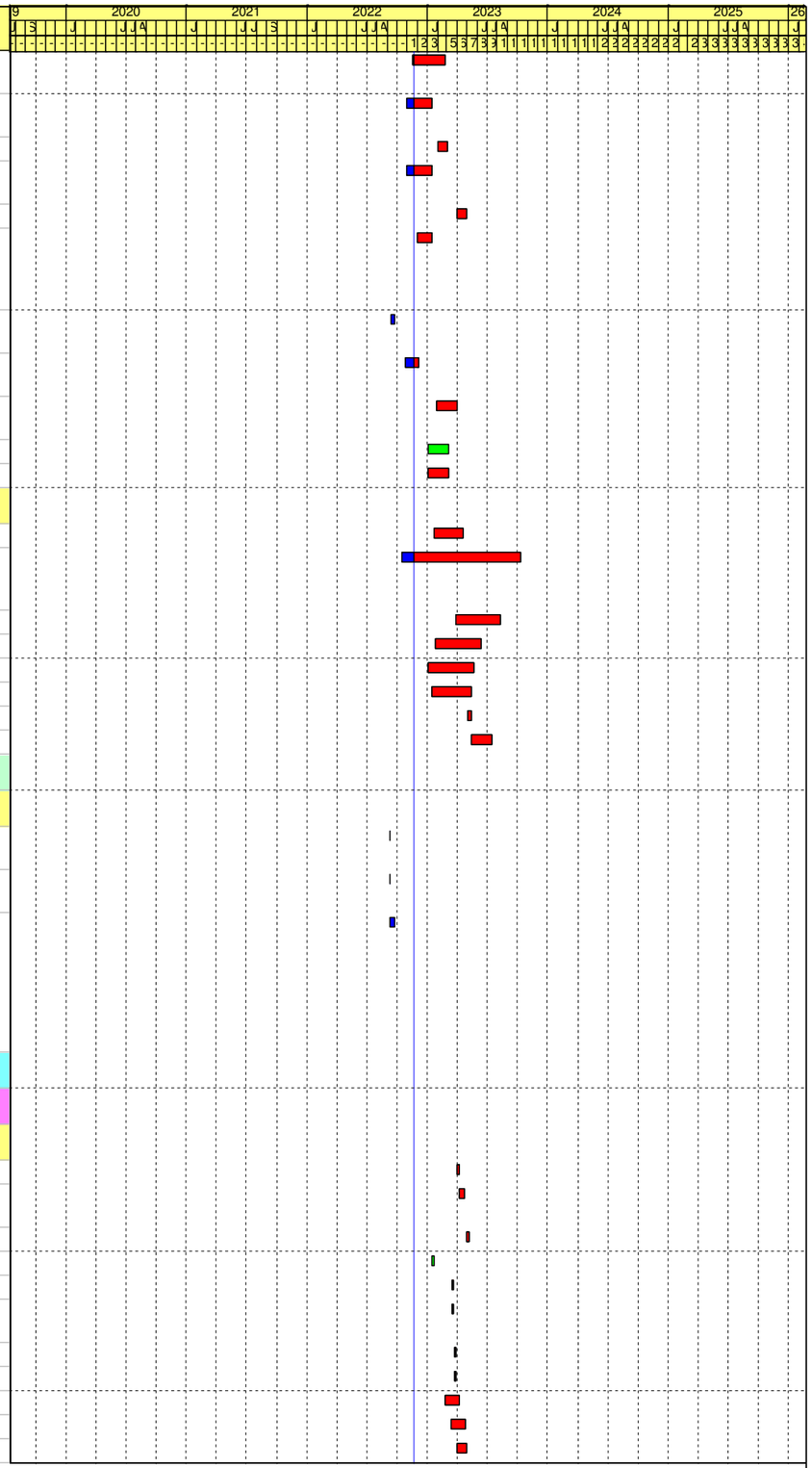


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SDBP1385	Delivery of Dewatering Polymer Powder Unit	30	18-Nov-22 A	23-Feb-23	26-Apr-22	29-Jul-22	-209	S5SDBP1380	S5SDBC1265
S5SDBP1455	Delivery of Dewatering Centrifuges Feed Pumps	78	29-Oct-22 A	14-Jan-23	23-Nov-22	16-Jan-23	2	S5SDBP1450	S5SDBC1185
S5SDBP1465	Delivery of Mixers (Digested Sludge Holding Tank)	30	01-Feb-23	02-Mar-23	05-Feb-23	06-Mar-23	4	S5SDBP1460	S5SDBC1312
S5SDBP1475	Delivery of Sludge Transfer Pumps (THP By Pass)	78	29-Oct-22 A	14-Jan-23	16-Nov-22	09-Jan-23	-5	S5SDBP1470	S5SDBC1165
S5SDBP1495	Delivery of Process Water Pumps	30	01-Apr-23	30-Apr-23	25-Dec-22	23-Jan-23	-97	S5SDBP1565	S5SDBC1125
S5SDBP1525	Delivery of Hoist	47	01-Dec-22	16-Jan-23	02-Aug-22	17-Sep-22	-121	S5SDBP1520	S5SDBC1440, S5SDBC1550, S5SDBC1530, S5SDBC1540
S5SDBP1535	Delivery of Steel Work (Monorails)	14	12-Sep-22 A	25-Sep-22 A	25-Nov-22	25-Nov-22		S5SDBP1530	S5SDBC1440, S5SDBC1550
S5SDBP1545	Delivery of Steel Work (EOT)	40	28-Oct-22 A	06-Dec-22	15-Aug-22	18-Aug-22	-110	S5SDBP1540	S5SDBC1530, S5SDBC1540
S5SDBP1555	Fabrication and delivery of DI pipework (G/F and 1/F)	60	31-Jan-23	31-Mar-23	03-Sep-22	01-Nov-22	-150	S5SDBP1485	S5SDBC1460, S5SDBC1620
S5SDBP1585	Fabrication and delivery of FRP ductworks	60	05-Jan-23*	05-Mar-23	16-Jan-23	16-Mar-23	11	S5SDBP1595	S5SDBC1860
S5SDBP1605	Fabrication and delivery of DI pipework (B/F)	60	05-Jan-23*	05-Mar-23	04-Aug-22	02-Oct-22	-154	S5SDBP1615	S5SDBC1400
Electrical and Control		360	17-Oct-22 A	11-Oct-23	22-Mar-22	09-Feb-23	-244		
S5SDBP1171	Fabrication & Delivery of Cable	90	21-Jan-23*	20-Apr-23	28-Sep-22	26-Dec-22	-115		S5SDBC1225
S5SDBP1180	Fabrication & Delivery of SCADA System	360	17-Oct-22 A	11-Oct-23	22-Mar-22	09-Feb-23	-244		S5SDBC1730, S5SDBC1760, S5SDBC1700
S5SDBP1200	Fabrication & Delivery of Genset	134	28-Mar-23*	08-Aug-23	07-Jul-22	17-Nov-22	-264	S5SDBP1190	S5SDBC1500
S5SDBP1220	Fabrication & Delivery of LV Switchboard for G/F	142	24-Jan-23*	14-Jun-23	08-Jul-22	26-Nov-22	-200		S5SDBC1520
S5SDBP1223	Fabrication & Delivery of LV Switchboard for 1/F	141	03-Jan-23*	23-May-23	08-Jul-22	25-Nov-22	-179		S5SDBC1375
S5SDBP1600	Fabrication of 380V Transfomers	120	16-Jan-23*	15-May-23	17-May-22	13-Sep-22	-244		S5SDBP1610
S5SDBP1610	FAT for 380V Transfomers	14	02-May-23	15-May-23	31-Aug-22	13-Sep-22	-244	S5SDBP1600	S5SDBP1620
S5SDBP1620	Delivery of 380V Transfomers	60	16-May-23	14-Jul-23	14-Sep-22	12-Nov-22	-244	S5SDBP1610	S5SDBC1510
Installation		487	06-Jun-22 A	30-Nov-23	27-Mar-22	01-Jan-24	32		
NCE-PMI-0325 - Provision of 2 nos of 3 Tons Mobile A-frame with Electrical Hoist in SDB		487	06-Jun-22 A	30-Nov-23	27-Mar-22	01-Jan-24	32		
S5SDBC1650	Access to Sludge Dewatering Building (Impacted by EWN-0314)	1	09-Sep-22 A	09-Sep-22 A	27-Mar-22	27-Mar-22			S5SDBC1670
S5SDBC1660	Access to Sludge Dewatering Building (Impacted by EWN-0314-1)	1	09-Sep-22 A	09-Sep-22 A	27-Mar-22	27-Mar-22			S5SDBC1670
S5SDBC1670	Mobilisation	15	09-Sep-22 A	23-Sep-22 A	27-Mar-22	27-Mar-22		S5SDBC1650, S5SDBC1660	S5SDBC1430, S5SDBC1480, S5SDBC1520, S5SDBC1410, S5SDBC1500, S5SDBC1115, S5SDBC1265
E&M Installation		487	06-Jun-22 A	30-Nov-23	06-May-22	16-Oct-23	-45		
Basement		320	15-Jan-23	30-Nov-23	30-Jul-22	16-Oct-23	-45		
Mechanical		248	15-Jan-23	19-Sep-23	30-Jul-22	16-Mar-23	-187		
S5SDBC1105	Installation of Centrate Transfer Pumps (3 nos.)	7	02-Apr-23	08-Apr-23	12-Sep-22	18-Sep-22	-202	S5SDBP1295	S5SDBC1400,
S5SDBC1115	Installation of Recirculation Pumps for Centrate Tank, Sludge Blend Tanks & THP by-pass Sludge Holding Tank (6 nos,)	14	09-Apr-23	22-Apr-23	19-Sep-22	02-Oct-22	-202	S5SDBP1185, S5SDBC1670,	S5SDBT1080, S5SDBC1400
S5SDBC1125	Installation of Process Water Pumps (3 nos.)	7	01-May-23	07-May-23	24-Jan-23	30-Jan-23	-97	S5SDBP1495,	S5SDBT1080,
S5SDBC1135	Installation of External Sludge Transfer Pumps (2 nos.)	7	15-Jan-23	21-Jan-23	24-Jan-23	30-Jan-23	9	S5SDBP1085	S5SDBT1080,
S5SDBC1145	Installation of Sludge Dewatering Polymer Transfer Pumps (2 nos.)	7	16-Mar-23	22-Mar-23	10-Jan-23	16-Jan-23	-65	S5SDBP1345	S5SDBT1080,
S5SDBC1165	Installation of THP by-pass Sludge Holding Tank Transfer Pumps (4 nos.)	7	16-Mar-23	22-Mar-23	10-Jan-23	16-Jan-23	-65	S5SDBP1475, S5SDBP1185,	S5SDBT1080, S5SDBC1400,
S5SDBC1175	Installation of Thickening Centrifuges Feed Pumps (4 nos.)	7	23-Mar-23	29-Mar-23	17-Jan-23	23-Jan-23	-65	S5SDBP1205,	S5SDBT1080,
S5SDBC1185	Installation of Dewatering Centrifuges Feed Pumps (3 nos.)	7	23-Mar-23	29-Mar-23	17-Jan-23	23-Jan-23	-65	S5SDBP1455,	S5SDBT1080,
S5SDBC1265	Installation of Dewatering Polymer Powder Feed Units	45	24-Feb-23	09-Apr-23	30-Jul-22	12-Sep-22	-209	S5SDBP1385,	S5SDBC1710,
S5SDBC1275	Installation of Dewatering Polymer Preparation Tanks	45	13-Mar-23	26-Apr-23	07-Dec-22	20-Jan-23	-96	S5SDBP1365	S5SDBC1560
S5SDBC1285	Installation of Polymer Mixer	30	02-Apr-23	01-May-23	15-Feb-23	16-Mar-23	-46	S5SDBP1335,	S5SDBT1160

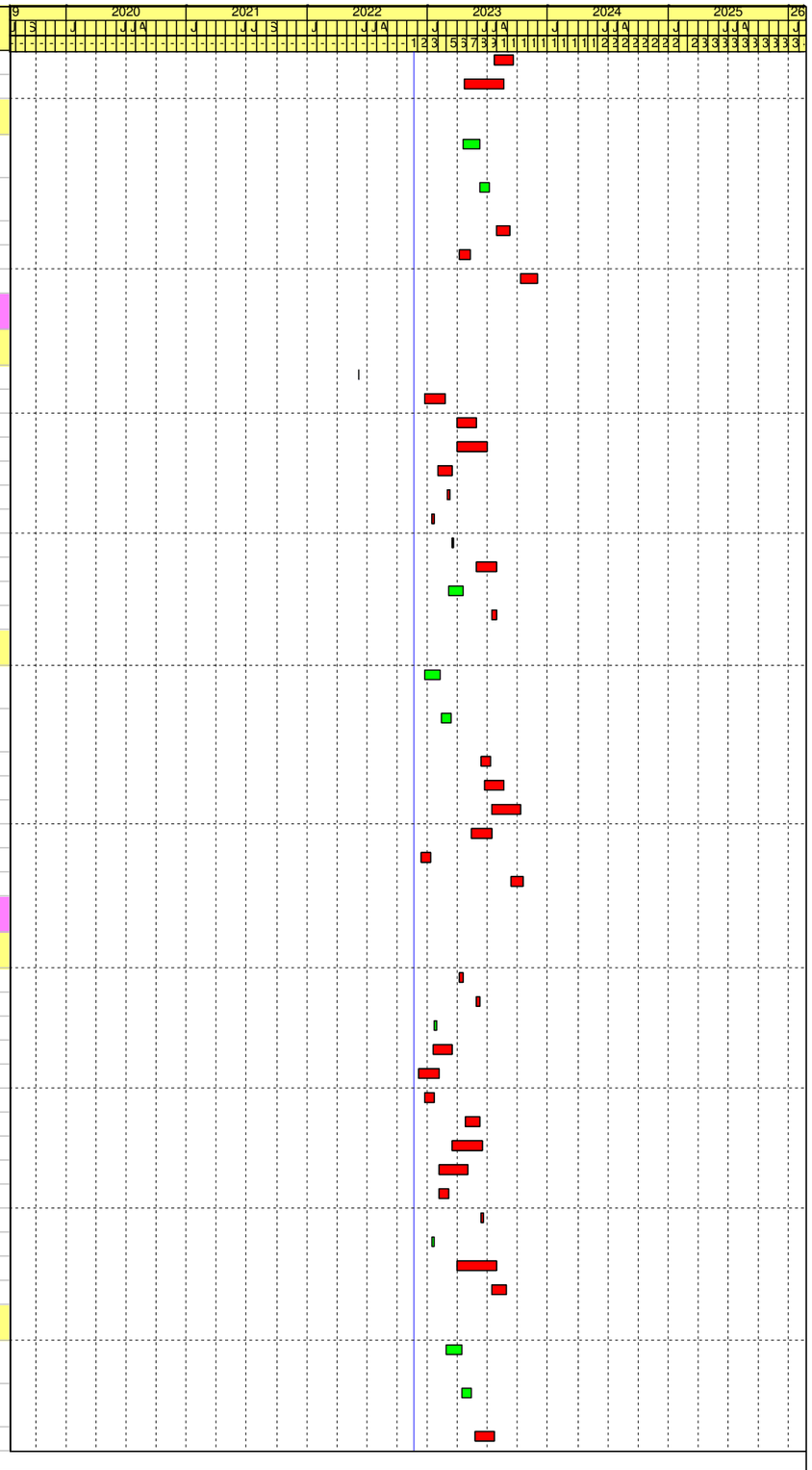


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SDBC1305	Installation of Instruments	60	22-Jul-23	19-Sep-23	01-Jan-23	01-Mar-23	-202	S5SDBC1400	S5SDBT1181
S5SDBC1400	Installation of Process Pipe	120	23-Apr-23	20-Aug-23	03-Oct-22	30-Jan-23	-202	S5SDBC1115,	S5SDBT1100,
Electrical		235	10-Apr-23	30-Nov-23	13-Sep-22	16-Oct-23	-45		
S5SDBC1072	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	50	20-Apr-23	08-Jun-23	29-Jul-23	16-Sep-23	100	S5SDBC1710	S5SDBC1074
S5SDBC1074	Installation of Electrical System - Lighting and Small Power Accessories	30	09-Jun-23	08-Jul-23	17-Sep-23	16-Oct-23	100	S5SDBC1072	S5SDBT1120
S5SDBC1095	Installation of Control Cable Laying	40	29-Jul-23	06-Sep-23	01-Jan-23	09-Feb-23	-209	S5SDBC1710	S5SDBC1730
S5SDBC1710	Installation of Electrical System - Cable Containment	30	10-Apr-23	09-May-23	13-Sep-22	12-Oct-22	-209	S5SDBC1265,	S5SDBC1072,
S5SDBC1730	Installation of SCADA System / Control Monitoring System	50	12-Oct-23	30-Nov-23	10-Feb-23	31-Mar-23	-244	S5SDBP1180,	S5SDBT1180
Ground Floor		445	06-Jun-22 A	19-Oct-23	06-May-22	16-Oct-23	-3		
Mechanical		363	06-Jun-22 A	29-Jul-23	18-Sep-22	30-Apr-23	-90		
S5SDBC1430	Installation of A-Frame (Effected by NCE-PMI-0325)	3	06-Jun-22 A	06-Jun-22 A	18-Sep-22	18-Sep-22		S5SDBC1670	S5SDBC1560,
S5SDBC1440	Installation of Monorail LA-01-01	60	25-Dec-22*	22-Feb-23	25-Nov-22	23-Jan-23	-30	S5SDBC1550,	S5SDBC1810
S5SDBC1450	Installation of Silo & Conveyor	60	31-Mar-23	29-May-23	15-Feb-23	15-Apr-23	-44	S5SDBP1225,	S5SDBT1068
S5SDBC1460	Installation of Process Pipe	90	01-Apr-23	29-Jun-23	02-Nov-22	30-Jan-23	-150	S5SDBP1555,	S5SDBT1100,
S5SDBC1470	Installation of Sludge Thickening Polymer Preparation Tanks	45	01-Feb-23	17-Mar-23	17-Dec-22	30-Jan-23	-46	S5SDBP1315	S5SDBT1058,
S5SDBC1780	Installation of THP Feed Pumps (4 nos.)	7	03-Mar-23	09-Mar-23	24-Jan-23	30-Jan-23	-38	S5SDBP1235	S5SDBT1080,
S5SDBC1790	Installation of PS Screen Feed Pumps (3 nos.)	7	15-Jan-23	21-Jan-23	17-Jan-23	23-Jan-23	2	S5SDBP1145	S5SDBT1080,
S5SDBC1810	Installation of Sludge Thickening Polymer Transfer Pumps (2 nos.)	7	16-Mar-23	22-Mar-23	24-Jan-23	30-Jan-23	-51	S5SDBP1345,	S5SDBT1080,
S5SDBC1840	Installation of Instruments	60	31-May-23	29-Jul-23	01-Jan-23	01-Mar-23	-150	S5SDBC1460	S5SDBT1181
S5SDBC1860	Installation of DOU Ductworks	45	06-Mar-23	19-Apr-23	17-Mar-23	30-Apr-23	11	S5SDBP1585	S5T1060
S5SDBC1870	Position of Sludge Skips and Installation of Hydraulic System	14	15-Jul-23	28-Jul-23	17-Apr-23	30-Apr-23	-89	S5SDBP1275	S5T1060
Electrical		310	14-Dec-22	19-Oct-23	06-May-22	16-Oct-23	-3		
S5SDBC1172	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	50	23-Dec-22	10-Feb-23	29-Jul-23	16-Sep-23	218	S5SDBC1680	S5SDBC1174
S5SDBC1174	Installation of Electrical System - Lighting and Small Power Accessories	30	11-Feb-23	12-Mar-23	17-Sep-23	16-Oct-23	218	S5SDBC1172	S5SDBT1120
S5SDBC1195	Installation of Control Cable Laying	30	12-Jun-23	11-Jul-23	21-Jan-23	19-Feb-23	-142	S5SDBC1680	S5SDBC1700
S5SDBC1225	Installation of Power Cable Laying and Termination	60	24-Jun-23	22-Aug-23	27-Dec-22	24-Feb-23	-179	S5SDBC1520,	S5SDBT1060
S5SDBC1510	TX Room Installation	90	15-Jul-23	12-Oct-23	13-Nov-22	10-Feb-23	-244	S5SDBP1620	S5SDBT1190
S5SDBC1520	LV Switchroom Installation	60	16-May-23	14-Jul-23	28-Oct-22	26-Dec-22	-200	S5SDBC1670,	S5SDBT1090,
S5SDBC1680	Installation of Electrical System - Cable Containment	30	14-Dec-22	12-Jan-23	06-May-22	04-Jun-22	-222	S5SDBC1480,	S5SDBC1172,
S5SDBC1700	Installation of SCADA System / Control Monitoring System	40	10-Sep-23	19-Oct-23	20-Feb-23	31-Mar-23	-202	S5SDBP1180,	S5SDBT1180
First Floor		359	07-Dec-22	30-Nov-23	05-Jun-22	16-Oct-23	-45		
Mechanical		265	07-Dec-22	28-Aug-23	19-Aug-22	15-Apr-23	-135		
S5SDBC1312	Installation of Mixer for Digested Sludge Holding Tank	10	10-Apr-23	19-Apr-23	07-Mar-23	16-Mar-23	-34	S5SDBP1465,	S5SDBT1160
S5SDBC1314	Installation of Mixer for PS holding tank	10	31-May-23	09-Jun-23	07-Mar-23	16-Mar-23	-85	S5SDBP1195,	S5SDBT1160
S5SDBC1325	Installation of Sludge Thickening Polymer Dosing Pumps (5 nos.)	7	22-Jan-23	28-Jan-23	10-Mar-23	16-Mar-23	47	S5SDBP1355,	S5SDBT1080,
S5SDBC1530	Installation of EOT Crane LA-01-03	60	17-Jan-23*	17-Mar-23	18-Sep-22	16-Nov-22	-121	S5SDBC1430,	S5SDBC1570
S5SDBC1540	Installation of EOT Crane LA-01-02	60	07-Dec-22*	04-Feb-23	19-Aug-22	17-Oct-22	-110	S5SDBP1545,	S5SDBC1580,
S5SDBC1550	Installation of Monorail LA-01-04	30	25-Dec-22*	23-Jan-23	25-Nov-22	24-Dec-22	-30	S5SDBP1535,	S5SDBC1440
S5SDBC1560	Installation of Sludge Dewatering / Thickening Polymer Dilution Tanks	45	27-Apr-23	10-Jun-23	21-Jan-23	06-Mar-23	-96	S5SDBC1430,	S5SDBT1058,
S5SDBC1570	Installation of Sludge Thickening Centrifuges (4 nos.)	90	18-Mar-23	15-Jun-23	17-Nov-22	14-Feb-23	-121	S5SDBC1530,	S5SDBT1032,
S5SDBC1580	Installation of Sludge Dewatering Centrifuges (3 nos)	90	05-Feb-23	05-May-23	17-Dec-22	16-Mar-23	-50	S5SDBC1540,	S5SDBT1070,
S5SDBC1590	Installation of Screen Press	30	05-Feb-23	06-Mar-23	05-Feb-23	06-Mar-23	0	S5SDBC1430,	S5SDBT1170,
S5SDBC1600	Installation of Mixer for Polymer Tank	10	11-Jun-23	20-Jun-23	07-Mar-23	16-Mar-23	-96	S5SDBP1335,	S5SDBT1160
S5SDBC1610	Installation of Sludge Dewatering Polymer Dosing Pumps (4 nos.)	7	15-Jan-23	21-Jan-23	03-Mar-23	09-Mar-23	47	S5SDBP1355	S5SDBT1080,
S5SDBC1620	Installation of Process Pipe	120	01-Apr-23	29-Jul-23	17-Nov-22	16-Mar-23	-135	S5SDBP1555,	S5SDBT1100,
S5SDBC1850	Installation of Instruments	45	15-Jul-23	28-Aug-23	02-Mar-23	15-Apr-23	-135	S5SDBC1620	S5SDBT1181
Electrical		305	30-Jan-23	30-Nov-23	05-Jun-22	16-Oct-23	-45		
S5SDBC1372	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	45	01-Mar-23	14-Apr-23	03-Aug-23	16-Sep-23	155	S5SDBC1740	S5SDBC1374
S5SDBC1374	Installation of Electrical System - Lighting and Small Power Accessories	30	15-Apr-23	14-May-23	17-Sep-23	16-Oct-23	155	S5SDBC1372	S5SDBT1120
S5SDBC1375	LV Switchroom Installation	60	24-May-23	22-Jul-23	26-Nov-22	24-Jan-23	-179	S5SDBP1223	S5SDBC1225

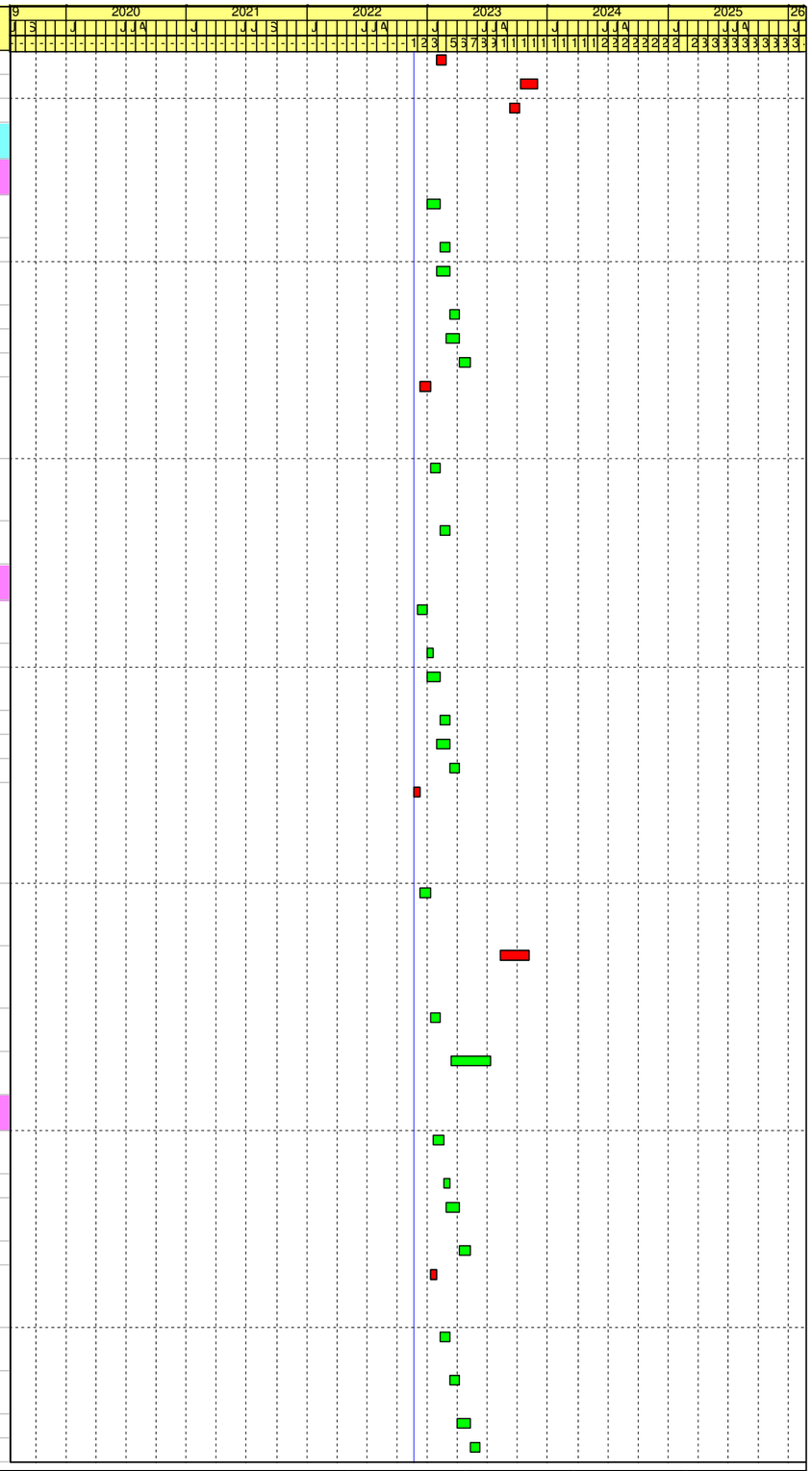


Remaining Work
Critical Activity
Milestone
Actual Progress

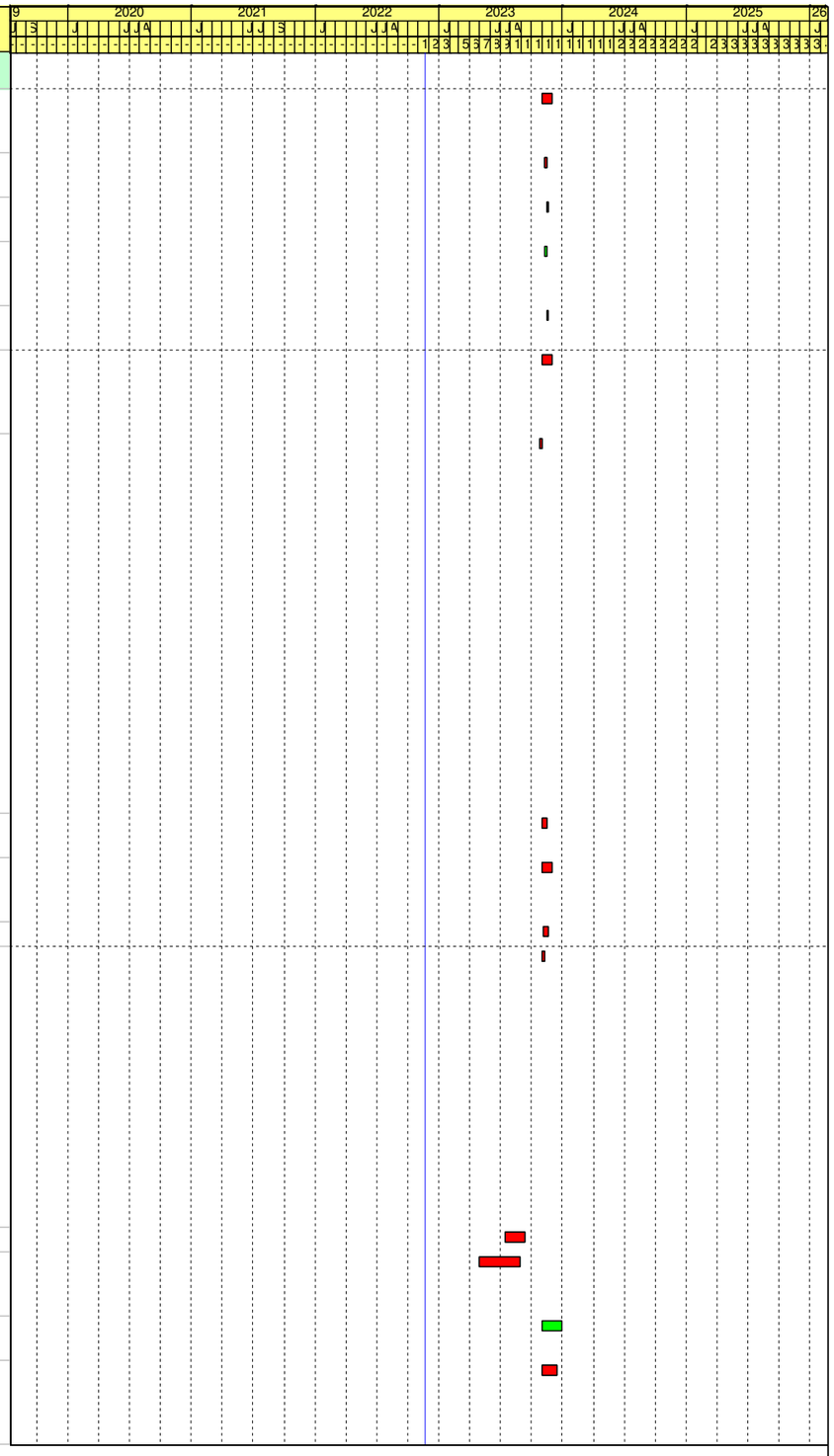
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SDBC1740	Installation of Electrical System - Cable Containment	30	30-Jan-23	28-Feb-23	05-Jun-22	04-Jul-22	-239	S5SDBC1680,	S5SDBT1060,
S5SDBC1760	Installation of SCADA System / Control Monitoring System	50	12-Oct-23	30-Nov-23	10-Feb-23	31-Mar-23	-244	S5SDBC1740,	S5SDBT1180
S5SDBC1800	Installation of Control Cable Laying	30	07-Sep-23	06-Oct-23	11-Jan-23	09-Feb-23	-239	S5SDBC1740	S5SDBC1760
BS Installation		351	21-Nov-22	06-Nov-23	27-Mar-22	01-Jan-24	56		
Basement		150	11-Dec-22	09-May-23	16-Apr-22	01-Jan-24	237		
S5SDBC1052	Installation of FS System - Branch Pipework, Conduit & Wiring	40	31-Dec-22	08-Feb-23	13-Aug-23	21-Sep-23	225	S5SDBC1410	S5SDBC1054, S5S1130
S5SDBC1054	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	30	09-Feb-23	10-Mar-23	02-Oct-23	31-Oct-23	235	S5SDBC1052	S5SDBT1130
S5SDBC1062	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	40	30-Jan-23	10-Mar-23	08-Aug-23	16-Sep-23	190	S5SDBC1420	S5SDBC1064
S5SDBC1064	Installation of MVAC System - Air Grills & Diffuser	30	11-Mar-23	09-Apr-23	17-Sep-23	16-Oct-23	190	S5SDBC1062	S5SDBT1140
S5SDBC1082	Installation of Plumbing System - Branch Pipework	40	01-Mar-23	09-Apr-23	24-Oct-23	02-Dec-23	237	S5SDBC1720	S5SDBC1084
S5SDBC1084	Installation of Plumbing System - Sanitary Fitting	30	10-Apr-23	09-May-23	03-Dec-23	01-Jan-24	237	S5SDBC1082	S5SDBT1150
S5SDBC1410	Installation of FS System - Main Pipework	30	11-Dec-22	09-Jan-23	16-Apr-22	15-May-22	-239	S5SDBC1670, S5SDBC1480	S5SDBC1420, S5SDBC1052, S5SDBC1710, S5SDBC1630
S5SDBC1420	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	30	10-Jan-23	08-Feb-23	19-Jun-23	18-Jul-23	160	S5SDBC1410, S5SDBC1490	S5SDBC1640, S5SDBC1062, S5SDBC1720
S5SDBC1720	Installation of Plumbing System - Main Pipework	30	09-Feb-23	10-Mar-23	04-Sep-23	03-Oct-23	207	S5SDBC1690, S5SDBC1420	S5SDBC1082, S5SDBC1750
Ground Floor		351	21-Nov-22	06-Nov-23	27-Mar-22	01-Jan-24	56		
S5SDBC1152	Installation of FS System - Branch Pipework, Conduit & Wiring	30	01-Dec-22	30-Dec-22	23-Aug-23	21-Sep-23	265	S5SDBC1480	S5SDBC1154, S5S1130
S5SDBC1154	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	20	31-Dec-22	19-Jan-23	12-Oct-23	31-Oct-23	285	S5SDBC1152	S5SDBT1130
S5SDBC1162	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	40	31-Dec-22	08-Feb-23	08-Aug-23	16-Sep-23	220	S5SDBC1490	S5SDBC1164
S5SDBC1164	Installation of MVAC System - Air Grills & Diffuser	30	09-Feb-23	10-Mar-23	17-Sep-23	16-Oct-23	220	S5SDBC1162	S5SDBT1140
S5SDBC1182	Installation of Plumbing System - Branch Pipework	40	30-Jan-23	10-Mar-23	24-Oct-23	02-Dec-23	267	S5SDBC1690	S5SDBC1184
S5SDBC1184	Installation of Plumbing System - Sanitary Fitting	30	11-Mar-23	09-Apr-23	03-Dec-23	01-Jan-24	267	S5SDBC1182	S5SDBT1150
S5SDBC1480	Installation of FS System - Main Pipework	20	21-Nov-22	10-Dec-22	27-Mar-22	15-Apr-22	-239	S5SDBC1670	S5SDBC1490, S5SDBC1680, S5SDBC1690, S5SDBC1152, S5SDBC1410
S5SDBC1490	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	30	11-Dec-22	09-Jan-23	20-May-23	18-Jun-23	160	S5SDBC1480	S5SDBC1162, S5SDBC1690, S5SDBC1420
S5SDBC1500	Generator & Fuel Room Installation	90	09-Aug-23	06-Nov-23	18-Nov-22	15-Feb-23	-264	S5SDBP1200, S5SDBC1670, S5S1010	S5SDBT1078
S5SDBC1690	Installation of Plumbing System - Main Pipework	30	10-Jan-23	08-Feb-23	05-Aug-23	03-Sep-23	207	S5SDBC1480, S5SDBC1490	S5SDBC1720, S5SDBC1182
S5SDBC1770	Installation of Lift	120	13-Mar-23	10-Jul-23	01-Sep-23	29-Dec-23	172	S5SDBP1210, S5WS2C1190	S5SDBT1110
First Floor		150	10-Jan-23	08-Jun-23	16-May-22	01-Jan-24	207		
S5SDBC1352	Installation of FS System - Branch Pipework, Conduit & Wiring	30	20-Jan-23	18-Feb-23	23-Aug-23	21-Sep-23	215	S5SDBC1630	S5SDBC1354, S5S1130
S5SDBC1354	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	20	19-Feb-23	10-Mar-23	12-Oct-23	31-Oct-23	235	S5SDBC1352	S5SDBT1130
S5SDBC1362	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	40	01-Mar-23	09-Apr-23	08-Aug-23	16-Sep-23	160	S5SDBC1640	S5SDBC1364
S5SDBC1364	Installation of MVAC System - Air Grills & Diffuser	30	10-Apr-23	09-May-23	17-Sep-23	16-Oct-23	160	S5SDBC1362	S5SDBT1140
S5SDBC1630	Installation of FS System - Main Pipework	20	10-Jan-23	29-Jan-23	16-May-22	04-Jun-22	-239	S5SDBC1410	S5SDBC1352, S5SDBC1740, S5SDBC1640
S5SDBC1640	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	30	09-Feb-23	10-Mar-23	19-Jul-23	17-Aug-23	160	S5SDBC1420, S5SDBC1630	S5SDBC1362, S5SDBC1750
S5SDBC1750	Installation of Plumbing System - Main Pipework	30	11-Mar-23	09-Apr-23	04-Oct-23	02-Nov-23	207	S5SDBC1640, S5SDBC1720	S5SDBC1820
S5SDBC1820	Installation of Plumbing System - Branch Pipework	40	31-Mar-23	09-May-23	24-Oct-23	02-Dec-23	207	S5SDBC1750	S5SDBC1830
S5SDBC1830	Installation of Plumbing System - Sanitary Fitting	30	10-May-23	08-Jun-23	03-Dec-23	01-Jan-24	207	S5SDBC1820	S5SDBT1150



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Testing and Commissioning		244	01-May-23	30-Dec-23	27-Dec-22	27-Feb-24	59		
S5SDBT1032	SAT for Sludge Thickening Cnetrifuge	30	01-Nov-23	30-Nov-23	01-Apr-23	30-Apr-23	-214	S5SDBT1060, S5SDBC1570, S5SDBT1191	S5T1060
S5SDBT1044	Wet Test for Pumps (excluded FS Water Pumps and Process Water Pumps)	7	08-Nov-23	14-Nov-23	17-Apr-23	23-Apr-23	-205	S5SDBT1080, S5SDBT1060	S5SDBT1045
S5SDBT1045	Functional Check for Pumps (excluded FS Water Pumps and Process Water Pumps)	7	15-Nov-23	21-Nov-23	24-Apr-23	30-Apr-23	-205	S5SDBT1044, S5SDBT1060	S5T1060
S5SDBT1047	Wet Test for Pumps (FS Water Pumps and Process Water Pumps)	7	08-Nov-23	14-Nov-23	17-Nov-23	23-Nov-23	9	S5SDBT1080, S5SDBT1060, S5SDBT1191	S5SDBT1048
S5SDBT1048	Functional Check for Pumps (FS Water Pumps and Process Water Pumps)	7	15-Nov-23	21-Nov-23	24-Nov-23	30-Nov-23	9	S5SDBT1060, S5SDBT1047	S5S1220
S5SDBT1058	SAT for Polymer System	30	01-Nov-23	30-Nov-23	01-Apr-23	30-Apr-23	-214	S5SDBC1560, S5SDBC1470, S5SDBC1265, S5SDBT1060	S5T1060
S5SDBT1060	Ready for Power Energisation - LV	5	27-Oct-23	31-Oct-23	25-Feb-23	01-Mar-23	-244	S5SDBC1740, S5SDBT1090, S5SDBC1225, S5SDBT1190	S5SDBT1070, S5SDBT1110, S5SDBT1032, S5SDBT1048, S5SDBT1047, S5SDBT1058, S5SDBT1068, S5SDBT1120, S5SDBT1130, S5SDBT1140, S5SDBT1150, S5SDBT1160, S5SDBT1170, S5SDBT1180, S5SDBT1181, S5SDBT1044, S5SDBT1045, S5SDBT1080, S5SDBT1191
S5SDBT1068	SAT for Conveyor	15	01-Nov-23	15-Nov-23	16-Apr-23	30-Apr-23	-199	S5SDBC1450, S5SDBT1060	S5T1060
S5SDBT1070	SAT for Sludge Dewatering Centrifuges	30	01-Nov-23	30-Nov-23	01-Apr-23	30-Apr-23	-214	S5SDBT1060, S5SDBC1580, S5SDBT1191	S5T1060
S5SDBT1078	SAT of Emergency Generator System	15	07-Nov-23	21-Nov-23	16-Feb-23	02-Mar-23	-264	S5SDBC1500	S5S1280
S5SDBT1080	Dry Test for Pumps	7	01-Nov-23	07-Nov-23	10-Apr-23	16-Apr-23	-205	S5SDBC1790, S5SDBC1115, S5SDBC1125, S5SDBC1135, S5SDBC1145, S5SDBC1165, S5SDBC1175, S5SDBC1185, S5SDBC1780, S5SDBC1810, S5SDBC1610, S5SDBC1325, S5SDBC1105, S5SDBT1060	S5SDBT1044, S5SDBT1047
S5SDBT1090	SAT for Switchboard	60	15-Jul-23	12-Sep-23	27-Dec-22	24-Feb-23	-200	S5SDBC1520	S5SDBT1060
S5SDBT1100	Pipe Pressure Test	120	01-May-23	28-Aug-23	01-Jan-23	30-Apr-23	-120	S5SDBC1620, S5SDBC1460, S5SDBC1400	S5T1060
S5SDBT1110	SAT for Lift	60	01-Nov-23	30-Dec-23	30-Dec-23	27-Feb-24	59	S5SDBC1770, S5SDBT1060	S5S1090
S5SDBT1120	SAT of Electrical System (BS)	45	01-Nov-23	15-Dec-23	17-Oct-23	30-Nov-23	-15	S5SDBC1174, S5SDBC1074, S5SDBC1374, S5SDBT1060	S5S1220

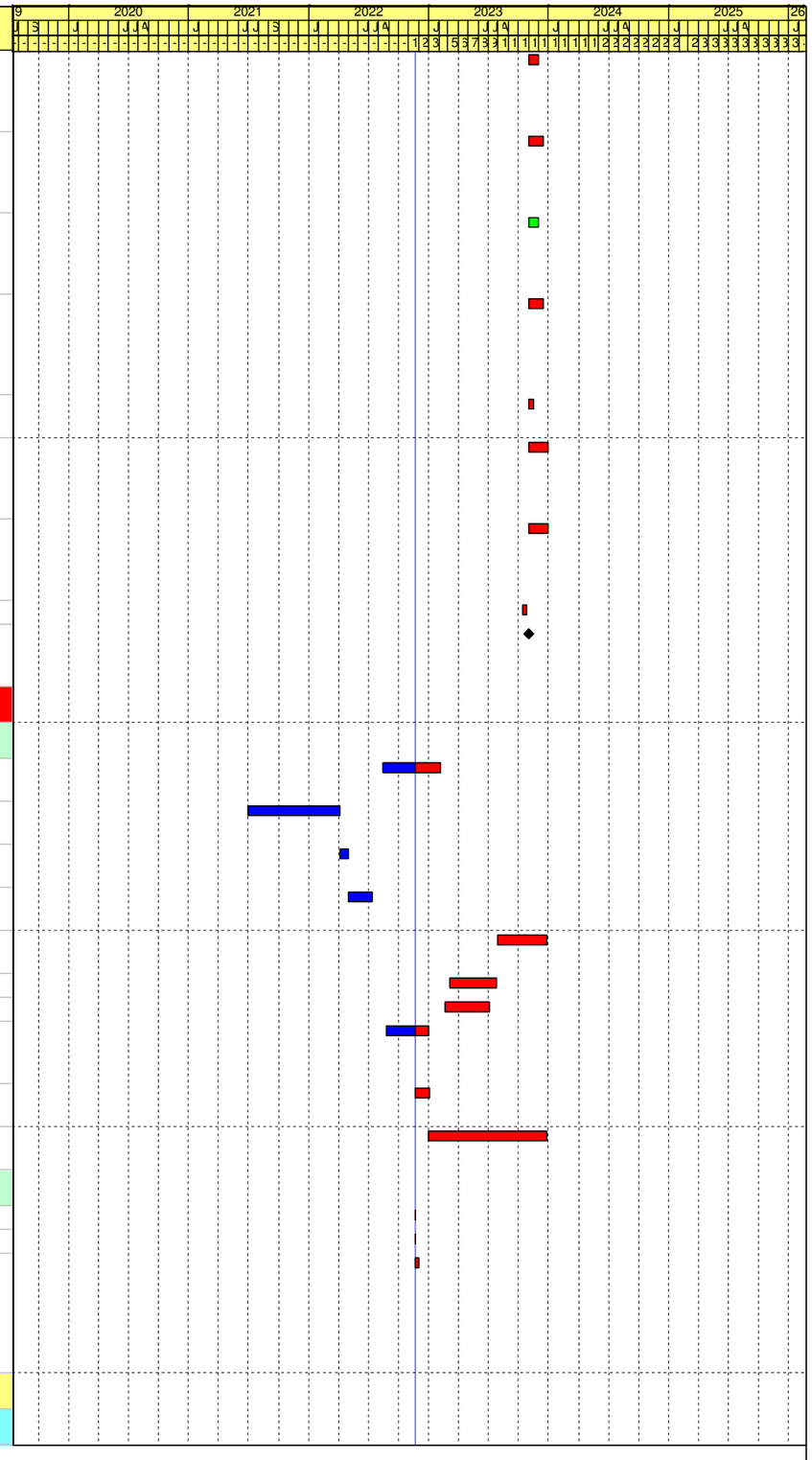


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SDBT1130	SAT of FS System	30	01-Nov-23	30-Nov-23	01-Nov-23	30-Nov-23	0	S5SDBC1354, S5SDBC1154, S5SDBC1054, S5SDBT1060	S5S1220
S5SDBT1140	SAT of MVAC System	45	01-Nov-23	15-Dec-23	17-Oct-23	30-Nov-23	-15	S5SDBC1364, S5SDBC1164, S5SDBC1064, S5SDBT1060	S5S1220
S5SDBT1150	SAT of Plumbing System	30	01-Nov-23	30-Nov-23	02-Jan-24	31-Jan-24	62	S5SDBC1084, S5SDBC1184, S5SDBC1830, S5SDBT1060	S5S1160
S5SDBT1160	SAT of Mixer	45	01-Nov-23	15-Dec-23	17-Mar-23	30-Apr-23	-229	S5SDBC1600, S5SDBC1312, S5SDBC1314, S5SDBC1285, S5SDBT1060	S5T1060
S5SDBT1170	SAT of Screen Press	15	01-Nov-23	15-Nov-23	16-Apr-23	30-Apr-23	-199	S5SDBC1590, S5SDBT1060	S5T1060
S5SDBT1180	SAT of SCADA, PMS, CMMS and IDMS	60	01-Nov-23	30-Dec-23	02-Mar-23	30-Apr-23	-244	S5SDBC1760, S5SDBC1700, S5SDBC1730, S5SDBT1060	S5T1060
S5SDBT1181	SAT of Instrumentation	60	01-Nov-23	30-Dec-23	02-Mar-23	30-Apr-23	-244	S5SDBC1850, S5SDBC1840, S5SDBC1305, S5SDBT1060	S5T1060
S5SDBT1190	SAT for Tranformer	14	13-Oct-23	26-Oct-23	11-Feb-23	24-Feb-23	-244	S5SDBC1510	S5SDBT1060
S5SDBT1191	Permanent Power ready for T&C	0	01-Nov-23		01-Apr-23		-214	S5SDBT1060, S5WS2C1120	S5SDBT1032, S5SDBT1047, S5SDBT1070
Combined Heat & Power Building		919	29-Jun-21 A	25-Jan-24	17-Apr-22	31-Jan-24	6		
Fabrication, FAT & Delivery of Major Plant & Materials		889	29-Jun-21 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5CHPP1000	Fabrication & Delivery of Pre-Treatment	120	15-Aug-22 A	04-Feb-23	04-Jul-22	17-Sep-22	-140		S5CHPC1170
S5CHPP1010	Fabrication of CHP System	270	29-Jun-21 A	06-Apr-22 A	15-Sep-22	15-Sep-22		S2P1070, S2D1610	S5CHPP1020
S5CHPP1020	FAT for CHP Generators	14	07-Apr-22 A	30-Apr-22 A	15-Sep-22	15-Sep-22		S5CHPP1010	S5CHPP1030
S5CHPP1030	Delivery of CHP Generators	60	02-May-22 A	14-Jul-22 A	15-Sep-22	15-Sep-22		S5CHPP1020	S5CHPC1050
S5CHPP1040	Fabrication & Delivery of Gas Detection System	150	30-Jul-23	26-Dec-23	13-Nov-22	11-Apr-23	-259	S2D2000, PL1020	S5CHPC1120, S5CHPC1250
S5CHPP1050	Fabrication & Delivery of LV Switchboard for G/F	141	07-Mar-23*	25-Jul-23	26-Jul-22	13-Dec-22	-224		S5CHPC1145
S5CHPP1055	Fabrication & Delivery of LV Switchboard for 1/F	134	21-Feb-23*	04-Jul-23	02-Aug-22	13-Dec-22	-203		S5CHPC1260
S5CHPP1060	Fabrication & Delivery of Lifting Appliances	90	24-Aug-22 A	31-Dec-22	07-May-22	16-Jun-22	-198		S5CHPC1030, S5CHPC1160, S5CHPC1040
S5CHPP1070	Fabrication & Delivery of Pipeworks & Associated Valves	45	21-Nov-22	04-Jan-23	04-Aug-22	17-Sep-22	-109	S5P1010	S5CHPC1070, S5CHPC1200
S5CHPP1080	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5CHPC1120, S5CHPC1250
Installation		431	21-Nov-22	25-Jan-24	04-Jun-22	31-Jan-24	6		
S5CHPC1000	Access to CHP Building (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	04-Jun-22	04-Jun-22	-170		S5CHPC1020
S5CHPC1010	Access to CHP Building (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	04-Jun-22	04-Jun-22	-170		S5CHPC1020
S5CHPC1020	Mobilisation	12	22-Nov-22	03-Dec-22	05-Jun-22	16-Jun-22	-170	AD1060, S5S1020, S5CHPC1000, S5CHPC1010	PL1550, S5CHPC1030, S5CHPC1040, S5CHPC1080, S5CHPC1130, S5CHPC1140
E&M Installation		390	01-Jan-23	25-Jan-24	17-Jun-22	11-May-23	-259		
Ground Floor		390	01-Jan-23	25-Jan-24	17-Jun-22	11-May-23	-259		

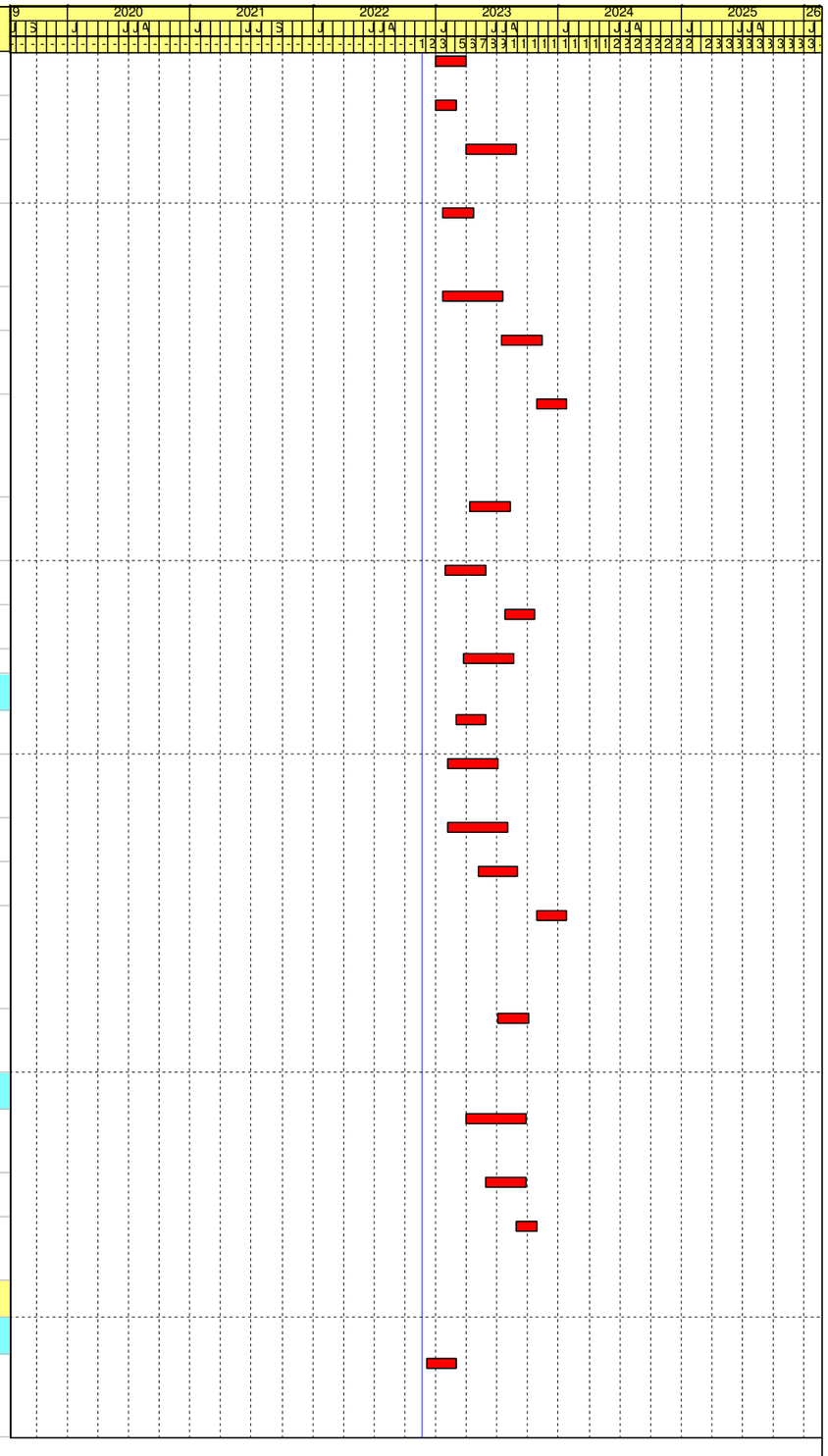


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5CHPC1030	Installation of EOT Crane LA-04-01	90	01-Jan-23	31-Mar-23	17-Jun-22	14-Sep-22	-198	S5CHPC1020, S5CHPP1060	S5CHPC1050
S5CHPC1040	Installation of Monorail LA-04-02 (total 3nos.)	60	01-Jan-23	01-Mar-23	15-Jul-22	12-Sep-22	-170	S5CHPC1020, S5CHPP1060	S5CHPC1160, S5CHPC1060
S5CHPC1050	Installation of CHP System - Mechanical Work	150	01-Apr-23	28-Aug-23	15-Sep-22	11-Feb-23	-198	S5CHPC1030, S5CHPP1030	S5CHPC1100, S5CHPT1030, S5CHPC1270
S5CHPC1060	Installation of Steam Boiler System - Mechanical Work	90	22-Jan-23	21-Apr-23	05-Aug-22	02-Nov-22	-170	S5CHPC1040	S5CHPC1070, S5CHPC1150, S5CHPC1170, S5CHPT1050
S5CHPC1070	Installation of pipework	180	22-Jan-23	20-Jul-23	18-Sep-22	16-Mar-23	-126	S5CHPC1060, S5CHPP1070	S5CHPT1000
S5CHPC1100	Installation of Electrical System	120	15-Jul-23	11-Nov-23	01-Jan-23	30-Apr-23	-195	S5CHPC1090, S5CHPC1050, S5P1050	S5CHPC1120, S5CHPT1050, S5CHPT1030
S5CHPC1120	Installation of SCADA System / Control Monitoring System / Gas Detection System / CCTV	90	28-Oct-23	25-Jan-24	11-Feb-23	11-May-23	-259	S5CHPC1100, S5CHPP1040, S5CHPP1080	S5T1100, S5T1000, S5T1010, S5T1020, S5T1030
S5CHPC1130	Transfomers Room Installation	120	12-Apr-23	09-Aug-23	15-Oct-22	11-Feb-23	-179	S5WS2P1020, S5CHPC1020	S5CHPT1020, S5CHPC1260, S5CHPT1010
S5CHPC1140	HV Switchroom Installation	120	29-Jan-23	28-May-23	14-Nov-22	13-Mar-23	-76	S5CHPC1020, S5WS2P1080	S5CHPT1020, S5CHPT1010
S5CHPC1145	LV Switchroom Installation	90	26-Jul-23	23-Oct-23	14-Dec-22	13-Mar-23	-224	S5CHPP1050	S5CHPT1010, S5CHPT1020
S5CHPC1150	Diesel Storage & Pump Room Installation	150	23-Mar-23	19-Aug-23	04-Oct-22	02-Mar-23	-170	S5CHPC1060	S5S1280
First Floor		355	05-Feb-23	25-Jan-24	18-Sep-22	11-May-23	-259		
S5CHPC1160	Installation of Monorail / Davit LA-04-03 to LA-04-10 (total 8nos.)	90	02-Mar-23	30-May-23	17-Nov-22	14-Feb-23	-105	S5CHPC1040, S5CHPP1060	S5CHPC1170
S5CHPC1170	Installation of Biogas Pre-treatment System - Mechanical Work	150	05-Feb-23	04-Jul-23	18-Sep-22	14-Feb-23	-140	S5CHPC1060, S5CHPC1160, S5CHPP1000	S5CHPC1200, S5CHPC1230, S5CHPT1040
S5CHPC1200	Installation of pipework	180	05-Feb-23	03-Aug-23	18-Sep-22	16-Mar-23	-140	S5CHPC1170, S5CHPP1070	S5CHPT1000
S5CHPC1230	Installation of Electrical System	120	06-May-23	02-Sep-23	12-Jan-23	11-May-23	-114	S5CHPC1170, S5P1050	S5CHPC1250, S5CHPT1040
S5CHPC1250	Installation of SCADA System / Control Monitoring System / Gas Detection System / CCTV	90	28-Oct-23	25-Jan-24	11-Feb-23	11-May-23	-259	S5CHPC1230, S5CHPP1040, S5CHPP1080	S5T1100, S5T1000, S5T1010, S5T1020, S5T1030
S5CHPC1260	LV Switchroom Installation	90	05-Jul-23	02-Oct-23	14-Dec-22	13-Mar-23	-203	S5WS2P1110, S5CHPC1130, S5CHPP1055	S5CHPT1020, S5CHPT1010
Roof		210	01-Apr-23	27-Oct-23	15-Sep-22	12-Apr-23	-198		
S5CHPC1270	Installation of CHP System - Mechanical Work	180	01-Apr-23	27-Sep-23	15-Sep-22	13-Mar-23	-198	S5CHPC1050	S5CHPT1030, S5CHPC1280, S5CHPC1290
S5CHPC1280	Installation of Steam Boiler System - Mechanical Work	120	31-May-23	27-Sep-23	14-Nov-22	13-Mar-23	-198	S5CHPC1270	S5CHPT1050, S5CHPC1290
S5CHPC1290	Installation of Electrical System	60	29-Aug-23	27-Oct-23	12-Feb-23	12-Apr-23	-198	S5CHPC1270, S5CHPC1280, S5P1050	S5CHPT1040, S5CHPT1020
BS Installation		330	04-Dec-22	29-Oct-23	03-Oct-22	31-Jan-24	94		
Ground Floor		210	04-Dec-22	01-Jul-23	03-Oct-22	31-Jan-24	214		
S5CHPC1080	Installation of FS System	90	04-Dec-22	03-Mar-23	03-Oct-22	31-Dec-22	-62	S5CHPC1020	S5CHPC1090, S5CHPC1110, S5CHPC1210, S5S1220

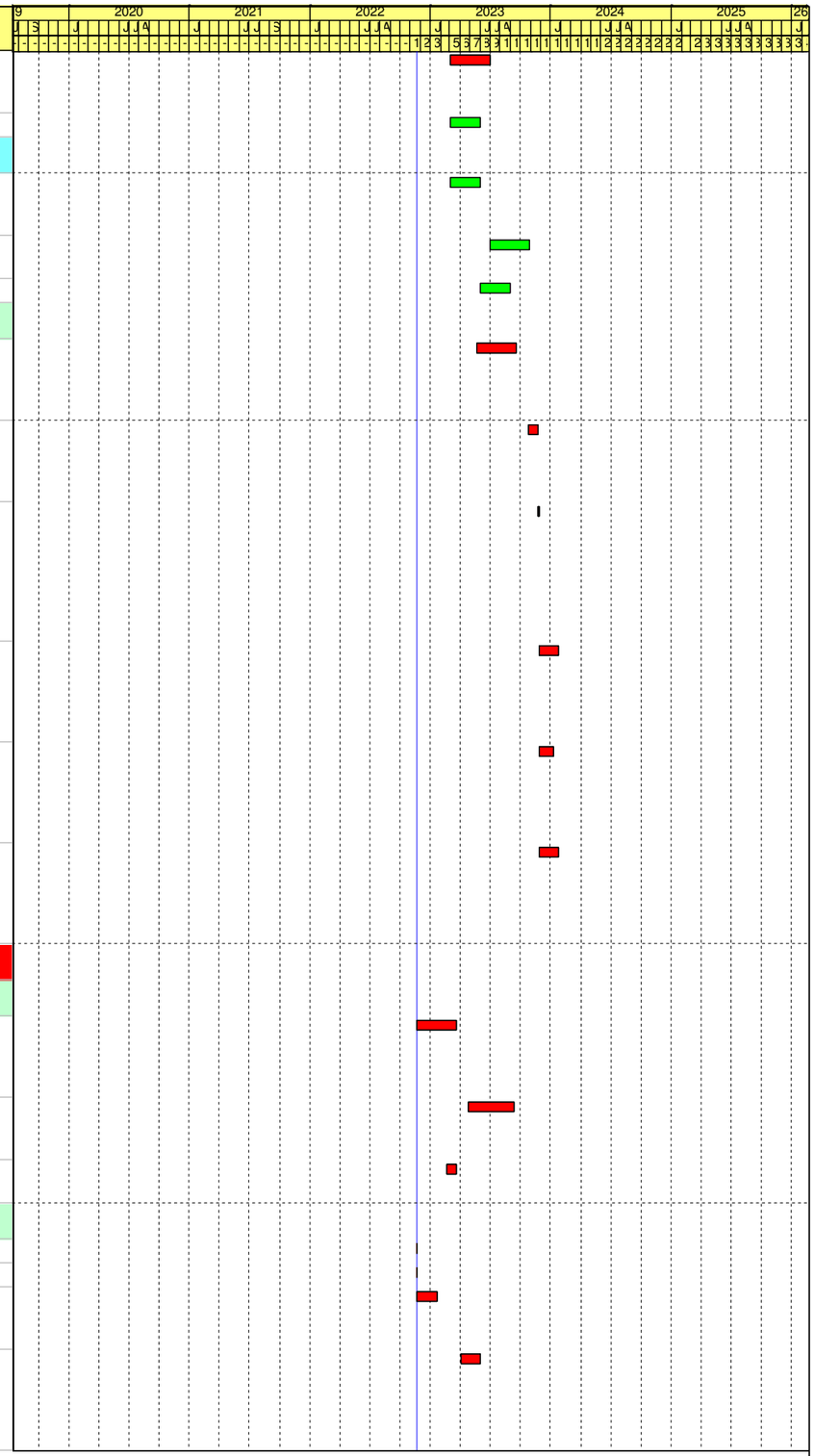


Remaining Work
Critical Activity
Milestone
Actual Progress

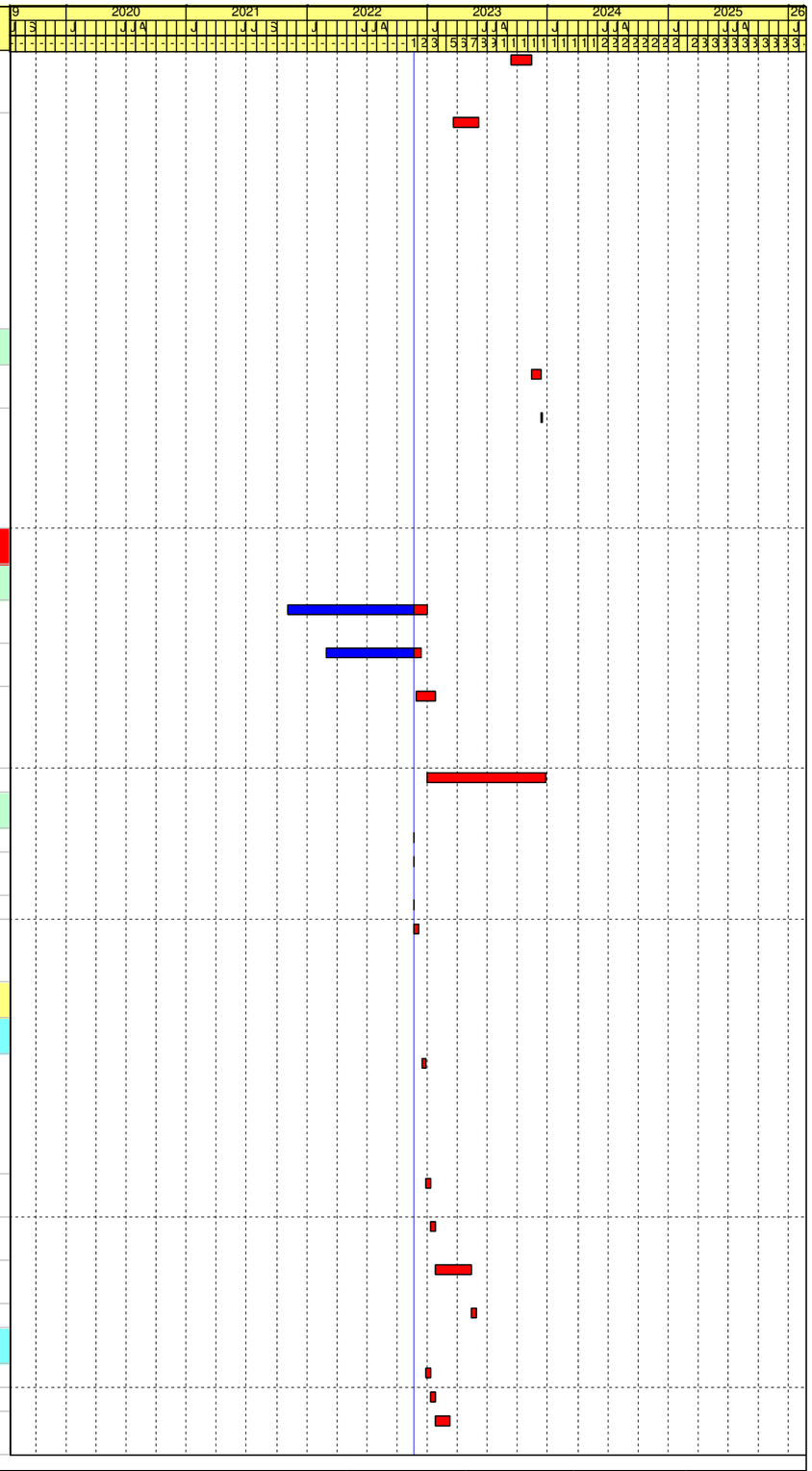
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5CHPC1090	Installation of MVAC System	120	04-Mar-23	01-Jul-23	01-Jan-23	30-Apr-23	-62	S5CHPC1080	S5CHPC1100, S5S1220, S5CHPC1220
S5CHPC1110	Installation of Plumbing System	90	04-Mar-23	01-Jun-23	03-Nov-23	31-Jan-24	244	S5CHPC1080	S5S1160
First Floor		240	04-Mar-23	29-Oct-23	05-May-23	31-Jan-24	94		
S5CHPC1210	Installation of FS System	90	04-Mar-23	01-Jun-23	05-May-23	02-Aug-23	62	S5CHPC1080	S5CHPC1220, S5CHPC1240, S5S1220
S5CHPC1220	Installation of MVAC System	120	02-Jul-23	29-Oct-23	03-Aug-23	30-Nov-23	32	S5CHPC1210, S5CHPC1090	S5S1220
S5CHPC1240	Installation of Plumbing System	90	02-Jun-23	30-Aug-23	03-Nov-23	31-Jan-24	154	S5CHPC1210	S5S1160
Testing and Commissioning		249	21-May-23	24-Jan-24	01-Jan-23	29-Jun-23	-209		
S5CHPT1000	Pipe Pressure Test	120	21-May-23	17-Sep-23	01-Jan-23	30-Apr-23	-140	S5CHPC1200, S5CHPC1070	S5T1100, S5CHPT1030, S5CHPT1040, S5CHPT1050
S5CHPT1010	SAT for Transformer & Switchboard	30	24-Oct-23	22-Nov-23	14-Mar-23	12-Apr-23	-224	S5CHPC1260, S5CHPC1140, S5CHPC1130, S5CHPC1145	S5CHPT1020
S5CHPT1020	Ready for Power Energisation	3	23-Nov-23	25-Nov-23	13-Apr-23	15-Apr-23	-224	S5CHPC1260, S5WS2C1110, S5CHPC1130, S5CHPC1140, S5CHPT1010, S5CHPC1290, S5CHPC1145	S5CHPT1030, S5BIOT1010, S5THPT1010, S5CHPT1040, S5CHPT1050
S5CHPT1030	SAT for CHP System	60	26-Nov-23	24-Jan-24	01-May-23	29-Jun-23	-209	S5CHPT1020, S5CHPC1050, S5CHPC1100, S5CHPC1270, S5CHPT1000	S5T1100
S5CHPT1040	SAT for Pre-treatment System	45	26-Nov-23	09-Jan-24	16-May-23	29-Jun-23	-194	S5CHPC1170, S5CHPT1020, S5CHPC1230, S5CHPC1290, S5CHPT1000	S5T1100
S5CHPT1050	SAT for Steam Boiler System	60	26-Nov-23	24-Jan-24	01-May-23	29-Jun-23	-209	S5CHPC1060, S5CHPC1100, S5CHPT1020, S5CHPC1280, S5CHPT1000	S5T1100
Tx Rm & LV Switchroom (for UV)		389	21-Nov-22	14-Dec-23	31-May-22	11-May-23	-217		
Fabrication, FAT & Delivery of Major Plant & Materials		296	21-Nov-22	12-Sep-23	31-May-22	25-Feb-23	-199		
S5TXRP1000	Fabrication & Delivery of Transfomers -UV (Tx 07 & 08)	120	21-Nov-22	20-Mar-23	31-May-22	27-Sep-22	-174	S1D1130, S1D1290, S1D1210, S2P1110	S5TXRC1030
S5TXRP1010	Fabrication & Delivery of LVSB -UV	141	25-Apr-23*	12-Sep-23	23-Jul-22	10-Dec-22	-276	S1D1210, S1D1290, S2P1130	S5TXRC1040
S5TXRP1020	Fabrication & Delivery of Control & Monitoring System -UV	30	20-Feb-23*	21-Mar-23	27-Jan-23	25-Feb-23	-24	S1D1290, S2P1140	S5TXRC1050
Installation		356	21-Nov-22	11-Nov-23	12-Aug-22	11-May-23	-184		
S5TXRC1000	Access to TX Rm & LV Switchroom (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	12-Aug-22	12-Aug-22	-101		S5TXRC1020
S5TXRC1010	Access to TX Rm & LV Switchroom (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	12-Aug-22	12-Aug-22	-101		S5TXRC1020
S5TXRC1020	BS Fitting Intallation (at Tx Rm & LV Switchroom)	60	22-Nov-22	20-Jan-23	13-Aug-22	11-Oct-22	-101	AD1100, S5TXRC1000, S5TXRC1010	S5TXRT1010, S5TXRC1030
S5TXRC1030	E&M Installation of Transfomers in Tx Rm	60	04-Apr-23	02-Jun-23	12-Oct-22	10-Dec-22	-174	S5TXRC1020, S4C1010, S5TXRP1000, S1D1310, S5P1050	S5TXRC1040, S5TXRT1000



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5TXRC1040	E&M Installation of LVSB	60	13-Sep-23	11-Nov-23	11-Dec-22	08-Feb-23	-276	S5TXRC1030, S5TXRP1010, S5P1050	S5TXRT1010, S5TXRT1000
S5TXRC1050	Installation of Control & Monitoring System - UV	75	22-Mar-23	04-Jun-23	26-Feb-23	11-May-23	-24	S4C1040, S5TXRP1020, S4C1070, S4C1080	S5T1200, S5T1120, S5T1000, S5T1010, S5T1020, S5T1030, S5T1000, S5T1010, S5T1020, S5T1030, PL1210
Testing and Commissioning		33	12-Nov-23	14-Dec-23	09-Feb-23	13-Mar-23	-276		
S5TXRT1000	SAT for Transformer & Switchboard	30	12-Nov-23	11-Dec-23	09-Feb-23	10-Mar-23	-276	S5TXRC1040, S5TXRC1030	S5TXRT1010
S5TXRT1010	Ready for Power Energisation	3	12-Dec-23	14-Dec-23	11-Mar-23	13-Mar-23	-276	S5TXRC1020, S5TXRC1040, S5WS2C1060, S5WS2C1040, S5WS2C1130, S5TXRT1000	SC51110, S5SHPT1000, S5DOUT1000, S5PSWT1000
Sludge Digesters & Distribution Chamber		798	06-Nov-21 A	27-Jan-24	17-Apr-22	31-Jan-24	4		
Fabrication, FAT & Delivery of Major Plant & Materials		766	06-Nov-21 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5DIGP1000	Fabrication & Delivery of Sludge Digestion System	180	06-Nov-21 A	30-Dec-22	22-Jul-22	30-Aug-22	-122	S2P1020, S2D1450	S5DIGC1210
S5DIGP1010	Fabrication & Delivery of FRP Walkway / Cover	90	01-Mar-22 A	14-Dec-22	24-Jul-22	16-Aug-22	-120	S2P1020	S5DIGC1040
S5DIGP1020	Fabrication & Delivery of Pipeworks & Associated Valves	60	27-Nov-22	25-Jan-23	05-Aug-22	03-Oct-22	-114	S5P1010	S5DIGC1110, S5DIGC1150, S5DIGC1190, S5DIGC1250
S5DIGP1050	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5DIGC1270
Installation		431	21-Nov-22	25-Jan-24	02-Aug-22	31-Jan-24	6		
S5DIGC1000	Access to Sludge Digesters & Distribution Chamber (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	02-Aug-22	02-Aug-22	-111		S5DIGC1030
S5DIGC1010	Access to Sludge Digester No.1 & Distribution Chamber (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	02-Aug-22	02-Aug-22	-111		S5DIGC1030
S5DIGC1020	Access to Sludge Digesters - Remaining (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	03-Nov-22	03-Nov-22	-18		S5DIGC1050
S5DIGC1030	Mobilisation	14	22-Nov-22	05-Dec-22	03-Aug-22	16-Aug-22	-111	AD1080, S5DIGC1000, S5DIGC1010	S5DIGC1210, S5DIGC1040
E&M Installation		407	15-Dec-22	25-Jan-24	17-Aug-22	11-May-23	-259		
FRP Walkway / Cover Installation		166	15-Dec-22	29-May-23	17-Aug-22	15-Apr-23	-44		
S5DIGC1040	Installation of Working Platform for Digester 1 (Roof)	14	15-Dec-22	28-Dec-22	17-Aug-22	30-Aug-22	-120	AD1080, S5DIGP1010, S5DIGC1030	SC51110, PL1210, PL1310, S5DIGC1050, S5DIGC1090, S5DIGC1210
S5DIGC1050	Installation of Working Platform for Digester 3 (Roof)	14	29-Dec-22	11-Jan-23	04-Nov-22	17-Nov-22	-55	S5DIGC1040, S5DIGC1020	S5DIGC1060, S5DIGC1130
S5DIGC1060	Installation of Working Platform for Digester 4 (Roof)	14	12-Jan-23	25-Jan-23	29-Nov-22	12-Dec-22	-44	S5DIGC1050	S5DIGC1070, S5DIGC1170
S5DIGC1070	Installation of Working Platform for Distribution Chamber & Overflow Chamber	110	26-Jan-23	15-May-23	13-Dec-22	01-Apr-23	-44	S5DIGC1060	S5DIGC1080
S5DIGC1080	Installation of Working Platform for Digester 2 (Roof)	14	16-May-23	29-May-23	02-Apr-23	15-Apr-23	-44	S5DIGC1070	S5DIGT1020
Sludge Digester 1		73	29-Dec-22	11-Mar-23	06-Sep-22	17-Nov-22	-114		
S5DIGC1090	Installation of Sludge Mixer (4 nos.)	14	29-Dec-22	11-Jan-23	06-Sep-22	19-Sep-22	-114	S5DIGC1040	S5DIGC1100
S5DIGC1100	Installation of Motor with Belt adjustment	14	12-Jan-23	25-Jan-23	20-Sep-22	03-Oct-22	-114	S5DIGC1090	S5DIGC1110
S5DIGC1110	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	26-Jan-23	11-Mar-23	04-Oct-22	17-Nov-22	-114	S5DIGC1100, S5DIGP1020	S5DIGC1120, S5DIGC1130

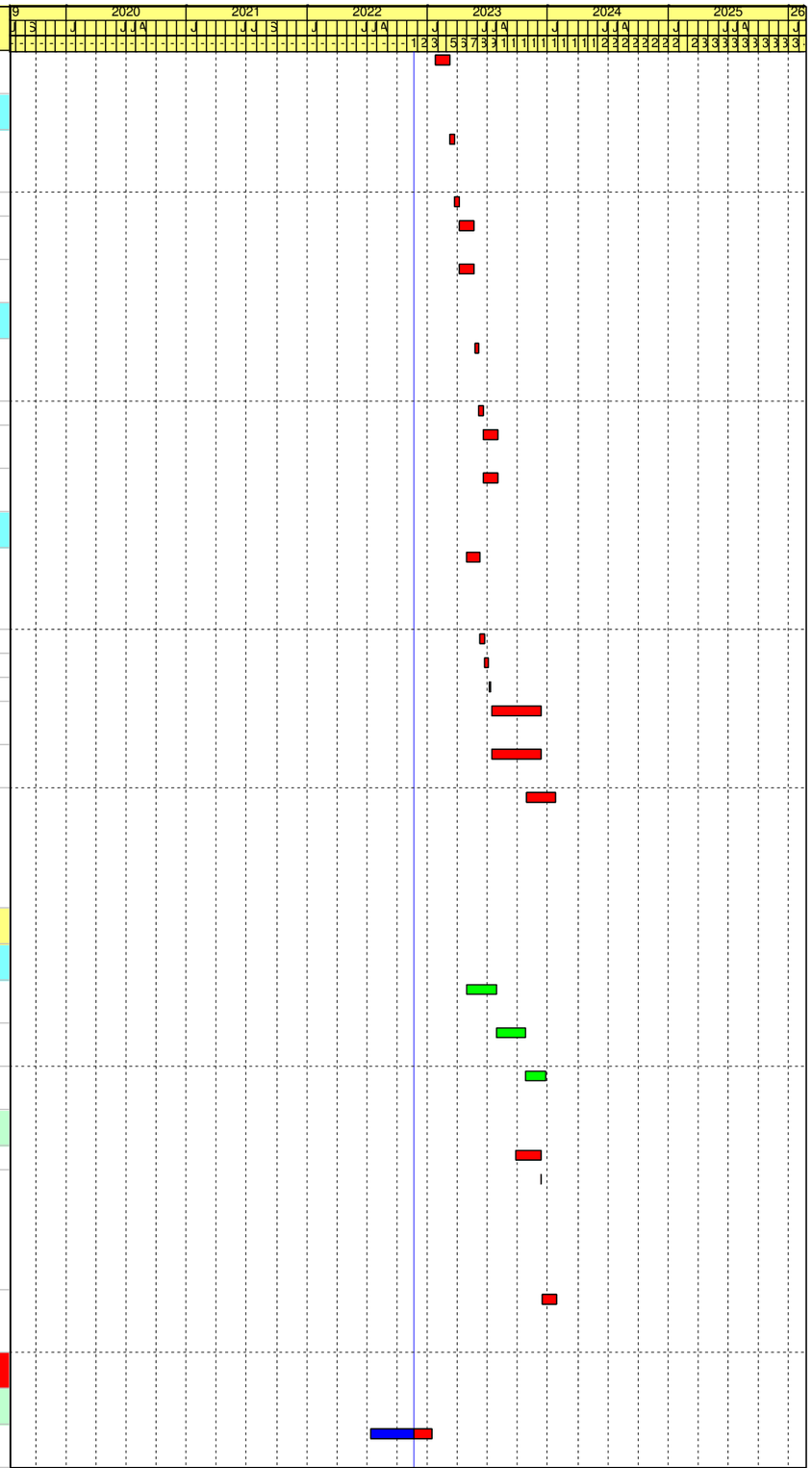


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5DIGC1120	Installation of Electrical System	45	26-Jan-23	11-Mar-23	04-Oct-22	17-Nov-22	-114	S5DIGC1110, S5P1050	S5DIGC1130, S5DIGT1010
Sludge Digester 3		73	12-Mar-23	23-May-23	18-Nov-22	29-Jan-23	-114		
S5DIGC1130	Installation of Sludge Mixer (4 nos.)	14	12-Mar-23	25-Mar-23	18-Nov-22	01-Dec-22	-114	S5DIGC1120, S5DIGC1110, S5DIGC1050	S5DIGC1140
S5DIGC1140	Installation of Motor with Belt adjustment	14	26-Mar-23	08-Apr-23	02-Dec-22	15-Dec-22	-114	S5DIGC1130	S5DIGC1150
S5DIGC1150	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	09-Apr-23	23-May-23	16-Dec-22	29-Jan-23	-114	S5DIGC1140, S5DIGP1020	S5DIGC1160, S5DIGC1170
S5DIGC1160	Installation of Electrical System	45	09-Apr-23	23-May-23	16-Dec-22	29-Jan-23	-114	S5DIGC1150, S5P1050	S5DIGC1170, S5DIGT1010
Sludge Digester 4		73	24-May-23	04-Aug-23	30-Jan-23	12-Apr-23	-114		
S5DIGC1170	Installation of Sludge Mixer (4 nos.)	14	24-May-23	06-Jun-23	30-Jan-23	12-Feb-23	-114	S5DIGC1150, S5DIGC1160, S5DIGC1060	S5DIGC1180
S5DIGC1180	Installation of Motor with Belt adjustment	14	07-Jun-23	20-Jun-23	13-Feb-23	26-Feb-23	-114	S5DIGC1170	S5DIGC1190
S5DIGC1190	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	21-Jun-23	04-Aug-23	27-Feb-23	12-Apr-23	-114	S5DIGC1180, S5DIGP1020	S5DIGC1200
S5DIGC1200	Installation of Electrical System	45	21-Jun-23	04-Aug-23	27-Feb-23	12-Apr-23	-114	S5DIGC1190, S5P1050	S5DIGT1010
Distribution Chamber		271	30-Apr-23	25-Jan-24	31-Aug-22	11-May-23	-259		
S5DIGC1210	Installation of Sludge Recirculation Pumps (5 nos.)	40	30-Apr-23*	08-Jun-23	31-Aug-22	09-Oct-22	-242	AD1080, S5DIGP1000, S5DIGC1030, S5DIGC1040	S5DIGC1220, S5DIGC1280
S5DIGC1220	Installation of Heat Exchanger (3 nos.)	14	09-Jun-23	22-Jun-23	10-Oct-22	23-Oct-22	-242	S5DIGC1210	S5DIGC1230
S5DIGC1230	Installation of Sludge Transfer Pump (2 nos.)	14	23-Jun-23	06-Jul-23	24-Oct-22	06-Nov-22	-242	S5DIGC1220	S5DIGC1240
S5DIGC1240	Installation of Vertical Mixer at Sludge Buffer Tank (2 nos.)	7	07-Jul-23	13-Jul-23	07-Nov-22	13-Nov-22	-242	S5DIGC1230	S5DIGC1250
S5DIGC1250	Installation of Pipework, Valve & Instruments	150	14-Jul-23	10-Dec-23	14-Nov-22	12-Apr-23	-242	S5DIGC1240, S5DIGP1020	S5DIGC1260, S5DIGT1000
S5DIGC1260	Installation of Electrical System	150	14-Jul-23	10-Dec-23	14-Nov-22	12-Apr-23	-242	S5DIGC1250, S5P1050	S5DIGC1270, S5DIGT1010
S5DIGC1270	Installation of SCADA & PLC System	90	28-Oct-23	25-Jan-24	11-Feb-23	11-May-23	-259	S5DIGC1260, S5DIGP1050	S5T1080, S5T1000, S5T1010, S5T1020, S5T1030, PL1210
BS Installation		240	30-Apr-23	25-Dec-23	04-Jun-23	31-Jan-24	37		
Distribution Chamber		240	30-Apr-23	25-Dec-23	04-Jun-23	31-Jan-24	37		
S5DIGC1280	Installation of FS System	90	30-Apr-23	28-Jul-23	04-Jun-23	01-Sep-23	35	S5DIGC1210	S5DIGC1290, S5S1220
S5DIGC1290	Installation of MVAC System	90	29-Jul-23	26-Oct-23	02-Sep-23	30-Nov-23	35	S5DIGC1280	S5DIGC1300, S5S1220
S5DIGC1300	Installation of Plumbing System	60	27-Oct-23	25-Dec-23	03-Dec-23	31-Jan-24	37	S5S1120, S5DIGC1290	S5S1160
Testing and Commissioning		123	27-Sep-23	27-Jan-24	31-Jan-23	30-May-23	-242		
S5DIGT1000	Pipe Pressure Test	75	27-Sep-23	10-Dec-23	31-Jan-23	15-Apr-23	-239	S5DIGC1250	S5DIGT1020
S5DIGT1010	Ready for Power Energisation	3	11-Dec-23	13-Dec-23	13-Apr-23	15-Apr-23	-242	S5DIGC1260, S5DIGC1200, S5DIGC1160, S5DIGC1120, S5WS2C1110, S5EXAC1030	S5DIGT1020
S5DIGT1020	SAT for Sludge Digestion System	45	14-Dec-23	27-Jan-24	16-Apr-23	30-May-23	-242	S5DIGC1080, S5DIGT1010, S5DIGT1000	S5T1080
Workshop No. 2		735	29-Nov-21 A	25-Jan-24	26-May-22	16-Apr-25	447		
Fabrication, FAT & Delivery of Major Plant & Materials		705	29-Nov-21 A	26-Dec-23	26-May-22	08-Sep-23	-109		
S5WS2P1000	Fabrication of 11kV to 380V Transfomers	123	14-Jul-22 A	13-Jan-23	26-May-22	18-Jul-22	-179	S2P1110	S5WS2P1010

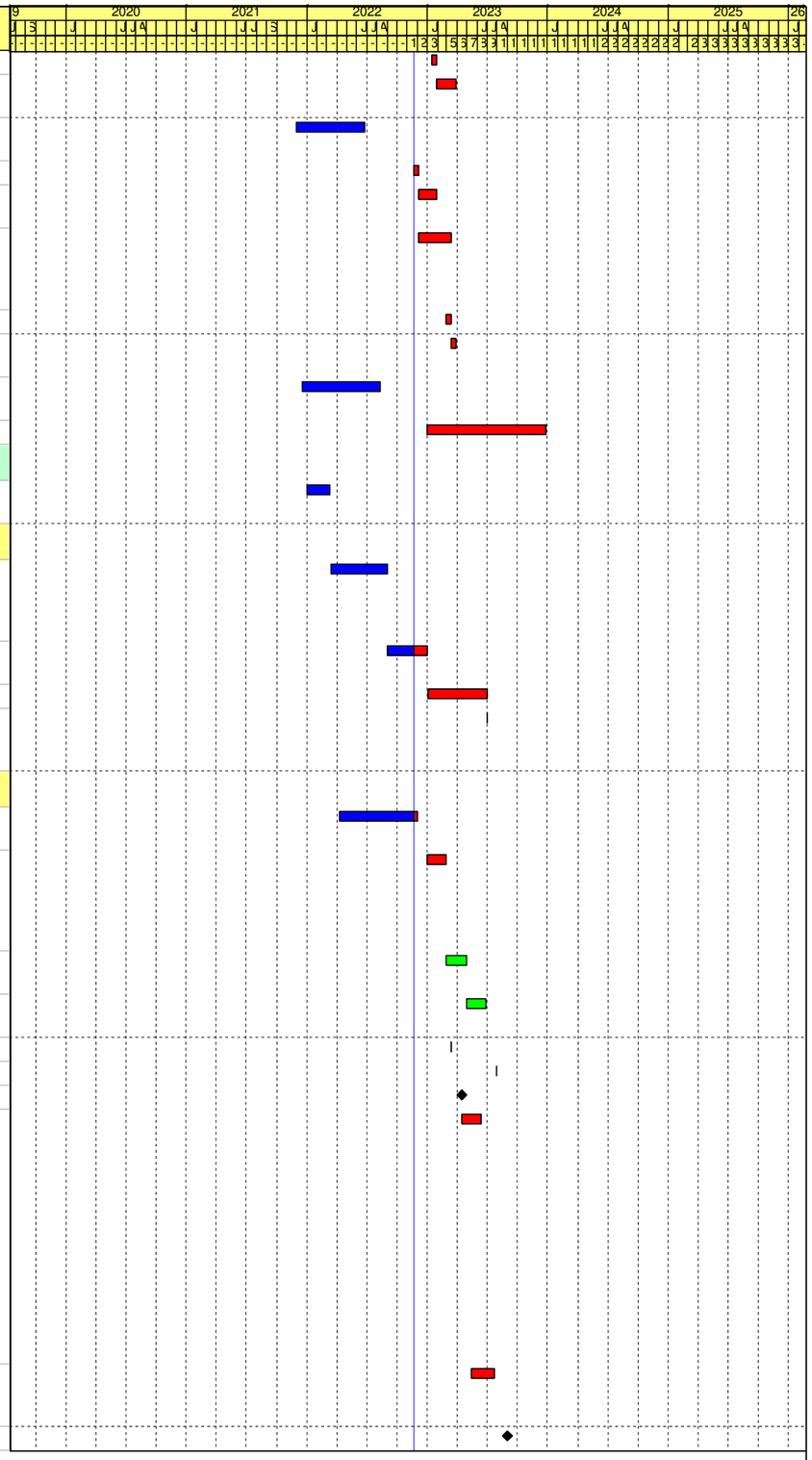


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5WS2P1010	FAT for 11kV to 380V Transfomers	14	14-Jan-23	27-Jan-23	19-Jul-22	01-Aug-22	-179	S5WS2P1000	S5WS2P1020
S5WS2P1020	Delivery of 11kV to 380V Transfomers	60	28-Jan-23	28-Mar-23	02-Aug-22	30-Sep-22	-179	S5WS2P1010	S5CHPC1130, S5WS2C1070
S5WS2P1060	Fabrication of 11 kV Switchboard	210	29-Nov-21 A	26-Jun-22 A	06-Sep-22	06-Sep-22		S2P1120	S5WS2P1070
S5WS2P1070	FAT for 11 kV Switchboard	14	21-Nov-22*	04-Dec-22	06-Sep-22	19-Sep-22	-76	S5WS2P1060	S5WS2P1080
S5WS2P1080	Delivery of 11kV Switchboard	55	05-Dec-22	28-Jan-23	20-Sep-22	13-Nov-22	-76	S5WS2P1070	S5WS2C1060, S5CHPC1140
S5WS2P1090	Fabrication of LV Switchboard	100	04-Dec-22*	13-Mar-23	08-Aug-22	15-Nov-22	-118	S2P1130, S2D1250, S2D1190, S2D1270	S5WS2P1100
S5WS2P1100	FAT for LV Switchboard	14	28-Feb-23	13-Mar-23	02-Nov-22	15-Nov-22	-118	S5WS2P1090	S5WS2P1110
S5WS2P1110	Delivery of LV Switchboard	14	14-Mar-23	27-Mar-23	16-Nov-22	29-Nov-22	-118	S5WS2P1100	S5CHPC1260, S5WS2C1080
S5WS2P1120	Fabrication & Delivery of Lift	210	18-Dec-21 A	10-Aug-22 A	12-May-23	12-May-23			S5WS2C1190
S5WS2P1130	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	14-Sep-22	08-Sep-23	-109		S5WS2C1180
Installation		735	31-Dec-21 A	25-Jan-24	03-Aug-22	16-Apr-25	447		
S5WS2C1000	Mobilisation	14	31-Dec-21 A	12-Mar-22 A	03-Aug-22	03-Aug-22		AD1120, S5S1030	S5WS2C1010, S5WS2C1050
CLP Substation		468	14-Mar-22 A	01-Jul-23	03-Aug-22	13-Mar-23	-110		
S5WS2C1010	BS Fitting Installation (at CLP Sub-station in Workshop No.2)	60	14-Mar-22 A	02-Sep-22 A	03-Aug-22	03-Aug-22		S5WS2C1000, AD1120	KD1060, S5WS2C1020, S5WS2C1050, KD1060-1
S5WS2C1020	Inspections, Rectification & H/O to CLP	60	03-Sep-22 A	01-Jan-23	03-Aug-22	13-Sep-22	-110	S5WS2C1010	S5WS2C1030
S5WS2C1030	E&M Installation of HV Transformer (By CLP)	180	02-Jan-23	30-Jun-23	14-Sep-22	12-Mar-23	-110	S5WS2C1020	S5WS2C1040
S5WS2C1040	Energisation (By CLP)	1	01-Jul-23	01-Jul-23	13-Mar-23	13-Mar-23	-110	S5WS2C1030, S5WS2C1060, S5S1000	S5TXRT1010
HV Switchroom / Transformer Room / LV Switchroom		571	11-Apr-22 A	14-Nov-23	16-Sep-22	16-Apr-25	519		
S5WS2C1050	BS Fitting Intallation	60	11-Apr-22 A	02-Dec-22	15-Oct-22	26-Oct-22	-37	S5WS2C1000, S5WS2C1010	S5WS2C1060
S5WS2C1060	HV Switchroom Installation	60	30-Dec-22	27-Feb-23	27-Oct-22	25-Dec-22	-64	S5WS2C1050, S5WS2P1080	S5WS2C1130, S5TXRT1010, S5WS2C1040, S5WS2C1070, S5WS2T1000
S5WS2C1070	TX Room Installation	60	28-Feb-23	28-Apr-23	30-Jul-23	27-Sep-23	152	S5WS2C1060, S5WS2P1020	S5WS2C1080, S5WS2T1000
S5WS2C1080	LV Switchroom Installation	60	29-Apr-23	27-Jun-23	28-Sep-23	26-Nov-23	152	S5WS2C1070, S5WS2P1110	S5WS2T1000
S5WS2C1090	Access to Other Peripheral Systems (Impacted by EWN-0314)	1	14-Mar-23*	14-Mar-23	16-Sep-22	16-Sep-22	-179		S5WS2C1110
S5WS2C1100	Access to Other Peripheral Systems (Impacted by EWN-0314-1)	1	31-Jul-23*	31-Jul-23	16-Apr-25	16-Apr-25	625		
S5WS2C1105	Access to Stage 1 External Area	0	15-Apr-23*		17-Sep-22		-210		S5WS2C1110
S5WS2C1110	HV Cables Laying between Workshop No.2 & Tx Rm for CHP Bldg and Termination	60	15-Apr-23	13-Jun-23	17-Sep-22	15-Nov-22	-210	S5WS2C1090, S5WS2C1105	S5CHPT1020, S5DIGT1010, S5WS2C1120, S5WS2T1010, S5BIOT1000, S5THPT1000, S5H2ST1000, S5WGBT1000, S5DOUT1010, S5SPST1000, S5TCWT1000, S5FCDT1000, PL1210
S5WS2C1120	HV Cables Laying between Workshop No.2 & Tx Rm for Sludge Dewatering Bldg and Termination	70	15-May-23	23-Jul-23	17-Oct-22	25-Dec-22	-210	S5WS2C1110	S5WS2C1130, PL1210, S5SDBT1191
S5WS2C1125	Access to Stage 3 External Area	0	01-Sep-23*		26-Dec-22		-249		S5WS2C1130

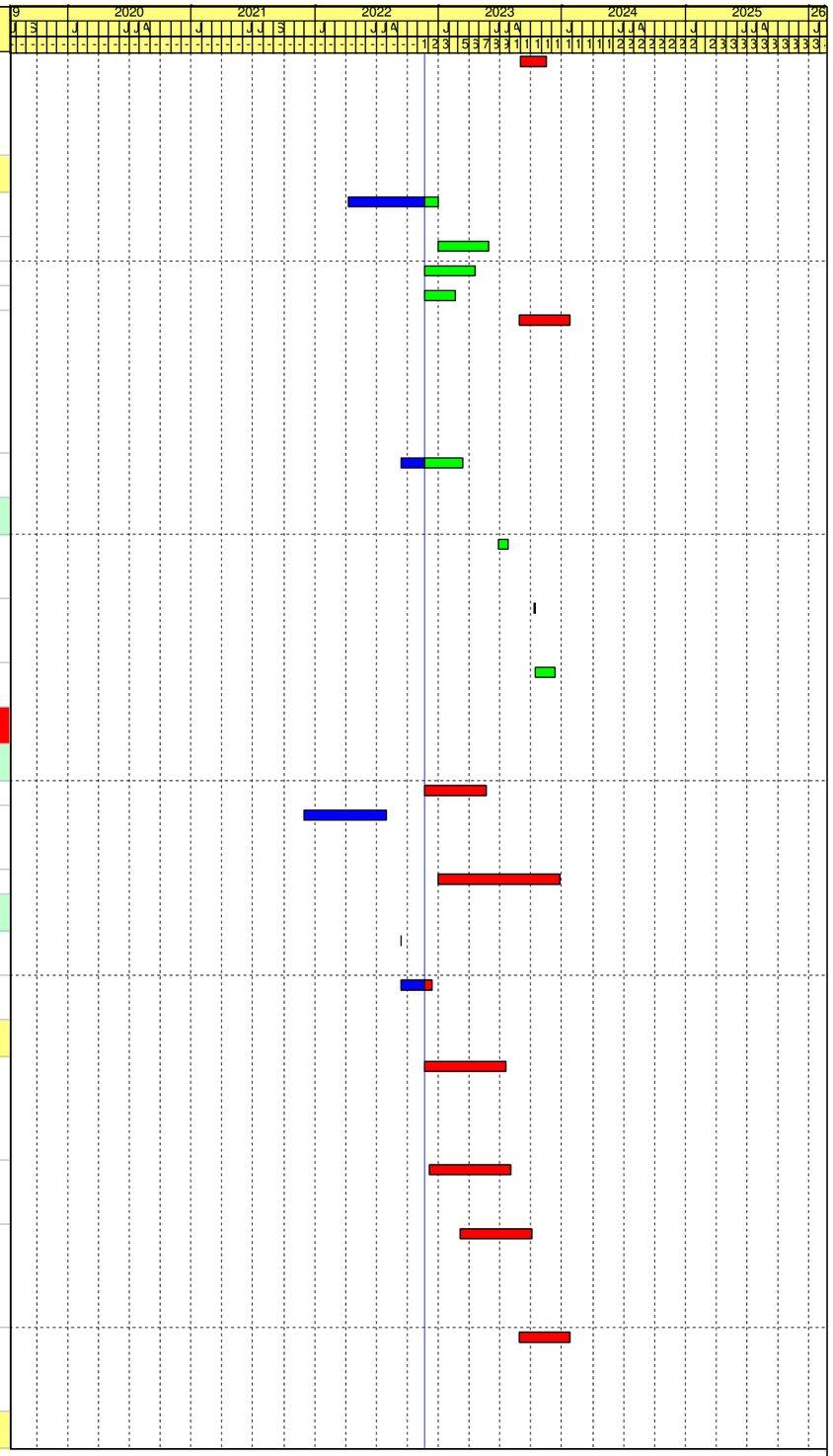


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5WS2C1130	HV Cables Laying between Workshop No.2 & Tx Rm for UV System No.1 and Termination	75	01-Sep-23*	14-Nov-23	26-Dec-22	10-Mar-23	-249	S5WS2C1060, S5WS2C1120, S5WS2C1125	S5TXRT1010, S5PSWT1000, S5DOUT1000, S5SHPT1000, PL1210
Building Services		492	11-Apr-22 A	25-Jan-24	13-Dec-22	31-Jan-24	6		
S5WS2C1140	Installation of FS System	204	11-Apr-22 A	31-Dec-22	24-May-23	03-Jul-23	184	S5S1120	S5WS2C1150, S5S1130
S5WS2C1150	Installation of MVAC System	150	01-Jan-23	30-May-23	04-Jul-23	30-Nov-23	184	S5WS2C1140	S5S1220
S5WS2C1160	Installation of Electrical System	150	21-Nov-22*	19-Apr-23	13-Dec-22	11-May-23	22		S5WS2C1180
S5WS2C1170	Installation of Plumbing System	90	21-Nov-22*	18-Feb-23	03-Nov-23	31-Jan-24	347	S5S1120	S5S1160
S5WS2C1180	Installation of SCADA Sys. / Control Monitoring Sys. / Gas Detection Sys. / CCTV Sys. / IT&PABX Sys. / ACS Sys.	150	29-Aug-23	25-Jan-24	12-May-23	08-Oct-23	-109	S5WS2C1160, S5WS2P1130	S5T1200, S5T1000, S5T1010, S5T1020, S5T1030, S5S0990, PL1210
S5WS2C1190	Installation of Lift	120	13-Sep-22 A	12-Mar-23	12-May-23	31-Aug-23	172	S5WS2P1120	S5WS2T1020, S5SDBC1770
Testing and Commissioning		169	28-Jun-23	13-Dec-23	27-Nov-23	27-Feb-24	76		
S5WS2T1000	SAT for Transformer & Switchboard	30	28-Jun-23	27-Jul-23	27-Nov-23	26-Dec-23	152	S5WS2C1080, S5WS2C1070, S5WS2C1060	S5WS2T1010
S5WS2T1010	Ready for Power Energisation	3	12-Oct-23	14-Oct-23	27-Dec-23	29-Dec-23	76	S5WS2T1000, S5WS2C1110, S5EXAC1030	S5WS2T1020
S5WS2T1020	SAT for Lift	60	15-Oct-23	13-Dec-23	30-Dec-23	27-Feb-24	76	S5WS2C1190, S5WS2T1010	S5S1090
Biogas Storage		772	29-Nov-21 A	31-Jan-24	17-Apr-22	29-Jun-23	-216		
Fabrication, FAT & Delivery of Major Plant & Materials		736	29-Nov-21 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5BIOP1000	Fabrication & Delivery of Biogas Booster and Transfer Pumps	180	22-Nov-22	20-May-23	31-Jul-22	26-Jan-23	-114	S5P1000	S5BIOC1020
S5BIOP1010	Fabrication & Delivery of Biogas Storage	180	29-Nov-21 A	30-Jul-22 A	01-Jun-22	01-Jun-22		S2P1050, S2D1530	S5BIOC1020, S5BIOC1030, S5BIOC1040
S5BIOP1020	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5BIOC1050
Installation		492	13-Sep-22 A	25-Jan-24	01-Jun-22	11-May-23	-259		
S5BIOC1000	Access to Biogas Holding Tanks (Impacted by EWN-0314-1)	1	13-Sep-22 A	13-Sep-22 A	01-Jun-22	01-Jun-22			S5BIOC1010
S5BIOC1010	Mobilisation	30	13-Sep-22 A	12-Dec-22	01-Jun-22	21-Jun-22	-174	AD1100, S5BIOC1000	S5BIOC1020
E&M Installation		430	22-Nov-22	25-Jan-24	01-Jun-22	11-May-23	-259		
S5BIOC1020	E&M Installation of Biogas Storage Tank 1	240	22-Nov-22	19-Jul-23	01-Jun-22	26-Jan-23	-174	AD1100, S5BIOP1010, S5S1060, S5BIOP1000, S5BIOC1010	S5BIOC1030, S5BIOT1000
S5BIOC1030	E&M Installation of Biogas Storage Tank 2	240	07-Dec-22	03-Aug-23	16-Jun-22	10-Feb-23	-174	AD1100, S5BIOC1020, S5BIOP1010	S5BIOC1040, S5WGBC1020, S5BIOT1000
S5BIOC1040	E&M Installation of Biogas Storage Tank 3	210	07-Mar-23	02-Oct-23	14-Sep-22	11-Apr-23	-174	AD1100, S5BIOC1030, S5BIOP1010	S5BIOT1010, S5BIOC1060, S5BIOT1000, PL1210, S5BIOC1050
S5BIOC1050	Installation of SCADA System / Control Monitoring System	150	29-Aug-23	25-Jan-24	13-Dec-22	11-May-23	-259	S5BIOC1040, S5BIOP1020	S5T1000, S5T1010, S5T1020, S5T1030
BS Installation		60	03-Sep-23	01-Nov-23	13-Mar-23	11-May-23	-174		

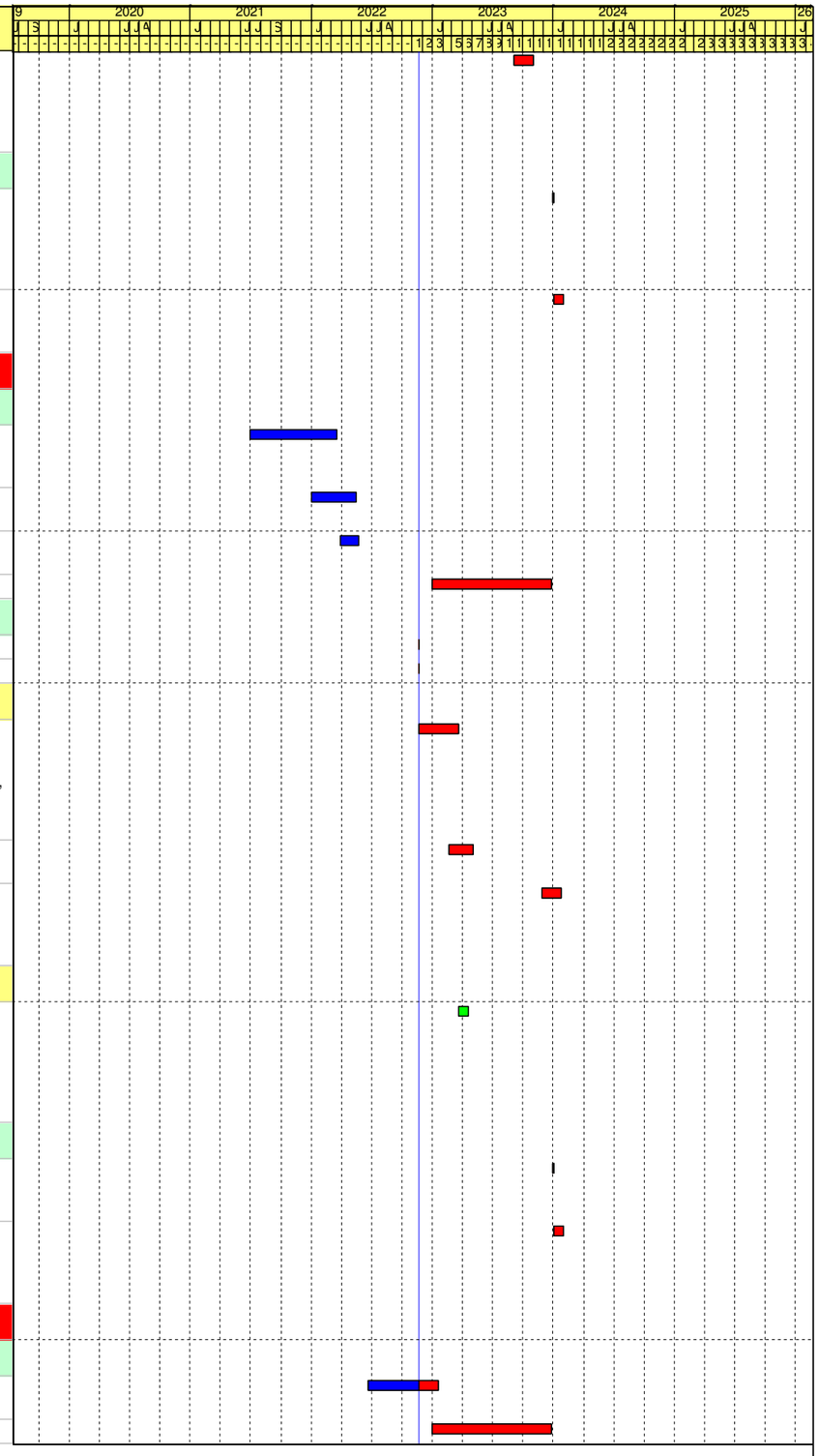


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5BIOC1060	BS Installation for Biogas Holding Tanks	60	03-Sep-23	01-Nov-23	13-Mar-23	11-May-23	-174	S5THPC1050, S5BIOC1040	S5S1160, S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		33	30-Dec-23	31-Jan-24	28-May-23	29-Jun-23	-216		
S5BIOT1000	Ready for Power Energisation	3	30-Dec-23	01-Jan-24	28-May-23	30-May-23	-216	S5BIOC1040, S5BIOC1030, S5BIOC1020, S5WS2C1110, S5EXAC1033	S5BIOT1010
S5BIOT1010	SAT for Biogas Storage System	30	02-Jan-24	31-Jan-24	31-May-23	29-Jun-23	-216	S5BIOC1040, S5CHPT1020, S5BIOT1000	S5T1070
THP Area		905	29-Jun-21 A	31-Jan-24	17-Apr-22	15-May-23	-261		
Fabrication, FAT & Delivery of Major Plant & Materials		869	29-Jun-21 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5THPP1000	Fabrication of THP System	300	29-Jun-21 A	18-Mar-22 A	02-Nov-22	02-Nov-22		S2P1040, S2D1410, S2D1370	S5THPP1010
S5THPP1010	FAT for THP System	14	03-Jan-22 A	17-May-22 A	02-Nov-22	02-Nov-22		S5THPP1000	S5THPP1020
S5THPP1020	Delivery of THP System	60	29-Mar-22 A	23-May-22 A	02-Nov-22	02-Nov-22		S5THPP1010	S5THPC1020
S5THPP1030	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5THPC1040
Installation		431	21-Nov-22	25-Jan-24	01-Nov-22	11-May-23	-259		
S5THPC1000	Access to THP Area (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	01-Nov-22	01-Nov-22	-20		S5THPC1020
S5THPC1010	Access to THP Area (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	01-Nov-22	01-Nov-22	-20		S5THPC1020
E&M Installation		430	22-Nov-22	25-Jan-24	02-Nov-22	11-May-23	-259		
S5THPC1020	E&M Installation of THP System	120	22-Nov-22	21-Mar-23	02-Nov-22	01-Mar-23	-20	AD1100, S5THPP1020, S5S1020, S5THPC1000, S5THPC1010	S5THPC1030, S5THPT1010, S5THPC1050, S5WGBC1020, S5THPT1000, S5THPC1040
S5THPC1030	E&M Installation of Thickened Sludge Feed Pipe to THP System	75	20-Feb-23	05-May-23	31-Jan-23	15-Apr-23	-20	S5THPC1020	S5THPT1010, PL1210
S5THPC1040	Installation of SCADA System / Control Monitoring System	60	27-Nov-23	25-Jan-24	13-Mar-23	11-May-23	-259	S5THPC1020, S5THPP1030	S5T1000, S5T1010, S5T1020, S5T1030
BS Installation		30	22-Mar-23	20-Apr-23	12-Apr-23	11-May-23	21		
S5THPC1050	BS Installation for THP Facilities	30	22-Mar-23	20-Apr-23	12-Apr-23	11-May-23	21	S5THPC1020	S5BIOC1060, S5S1160, S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		33	30-Dec-23	31-Jan-24	13-Apr-23	15-May-23	-261		
S5THPT1000	Ready for Power Energisation	3	30-Dec-23	01-Jan-24	13-Apr-23	15-Apr-23	-261	S5THPC1020, S5WS2C1110, S5EXAC1033	S5THPT1010
S5THPT1010	SAT of THP System	30	02-Jan-24	31-Jan-24	16-Apr-23	15-May-23	-261	S5THPC1020, S5THPC1030, S5CHPT1020, S5THPT1000	S5T1050
H2S Removal Area		529	23-Jun-22 A	31-Jan-24	17-Apr-22	30-May-23	-246		
Fabrication, FAT & Delivery of Major Plant & Materials		493	23-Jun-22 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5H2SP1000	Fabrication & Delivery of H2S Removal System	150	23-Jun-22 A	19-Jan-23	25-Nov-22	23-Jan-23	4	S2P1060, S2D1530	S5H2SC1020
S5H2SP1010	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5H2SC1030

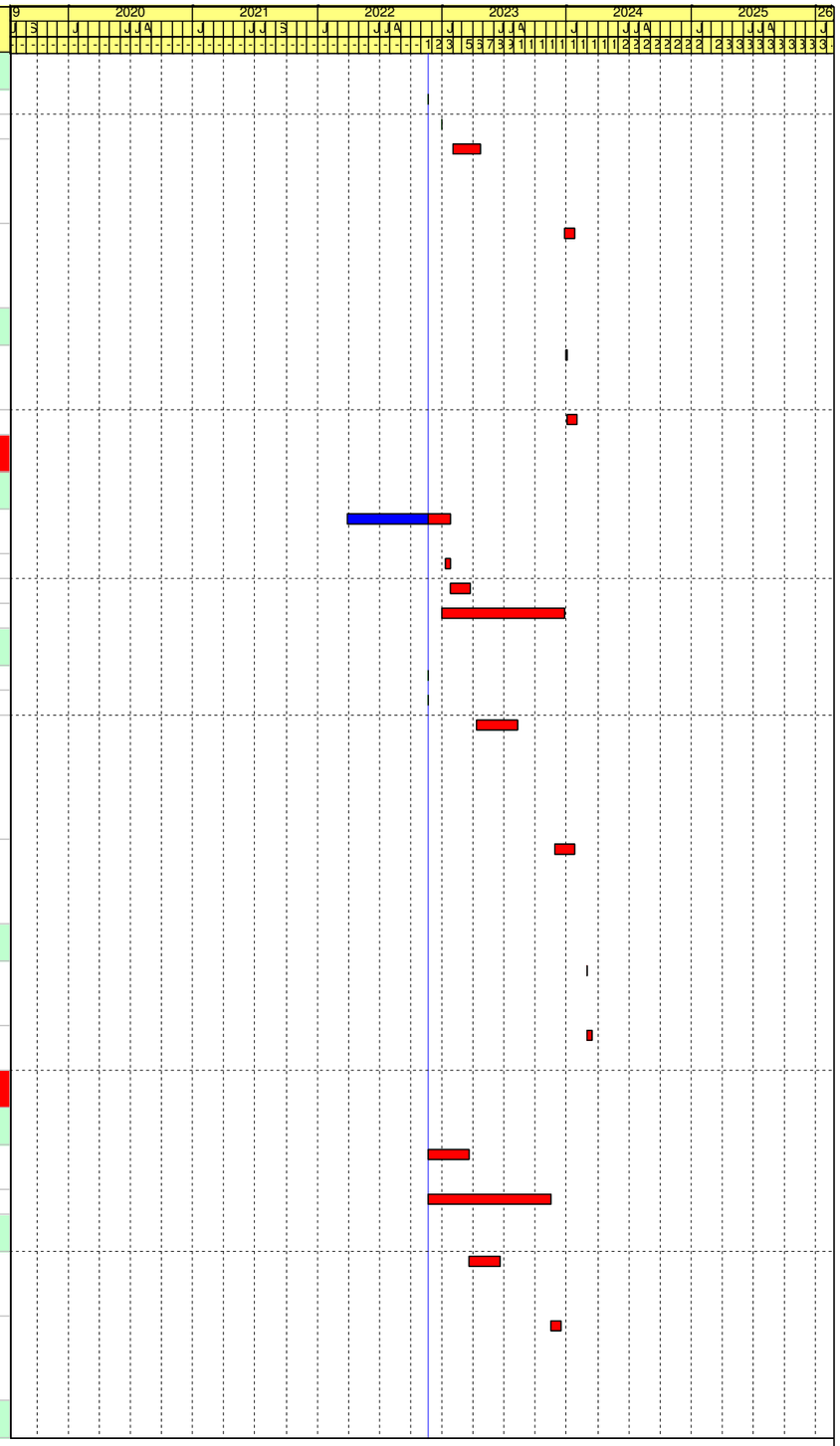


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
Installation		431	21-Nov-22	25-Jan-24	06-Feb-23	11-May-23	-259		
S5H2SC1000	Access to H2S Removal Area (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	06-Feb-23	06-Feb-23	77		S5H2SC1020
S5H2SC1010	Access to H2S Removal Area (Impacted by EWN-0314-1)	1	31-Dec-22*	31-Dec-22	06-Feb-23	06-Feb-23	37		S5H2SC1020
S5H2SC1020	E&M Installation of H2S Removal System	80	03-Feb-23	23-Apr-23	07-Feb-23	27-Apr-23	4	AD1100, S5H2SP1000, S5H2SC1000, S5H2SC1010	S5H2ST1000, PL1210, S5H2SC1030
S5H2SC1030	Installation of SCADA System / Control Monitoring System	30	27-Dec-23	25-Jan-24	12-Apr-23	11-May-23	-259	S5H2SC1020, S5H2SP1010	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		33	30-Dec-23	31-Jan-24	28-Apr-23	30-May-23	-246		
S5H2ST1000	Ready for Power Energisation	3	30-Dec-23	01-Jan-24	28-Apr-23	30-Apr-23	-246	S5H2SC1020, S5WS2C1110, S5EXAC1033	S5H2ST1010
S5H2ST1010	SAT of H2S Removal System	30	02-Jan-24	31-Jan-24	01-May-23	30-May-23	-246	S5H2ST1000	S5T1080
Waste Gas Burning Area		635	29-Mar-22 A	16-Mar-24	17-Apr-22	14-Jul-23	-246		
Fabrication, FAT & Delivery of Major Plant & Materials		554	29-Mar-22 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5WGBP1000	Fabrication of Waste Gas Burning System	210	29-Mar-22 A	24-Jan-23	09-Sep-22	12-Nov-22	-73	S2P1080, S2D1650	S5WGBP1010
S5WGBP1010	FAT for Waste Gas Burning System	14	11-Jan-23	24-Jan-23	30-Oct-22	12-Nov-22	-73	S5WGBP1000	S5WGBP1020
S5WGBP1020	Delivery of Waste Gas Burning System	60	25-Jan-23	25-Mar-23	13-Nov-22	11-Jan-23	-73	S5WGBP1010	S5WGBC1020
S5WGBP1030	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5WGBC1030
Installation		431	21-Nov-22	25-Jan-24	11-Jan-23	11-May-23	-259		
S5WGBC1000	Access to Waste Gas Burning Area (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	11-Jan-23	11-Jan-23	51		S5WGBC1020
S5WGBC1010	Access to Waste Gas Burning Area (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	11-Jan-23	11-Jan-23	51		S5WGBC1020
S5WGBC1020	E&M Installation of Waste Gas Burning System	120	13-Apr-23	10-Aug-23	12-Jan-23	11-May-23	-91	AD1100, S5WGBP1020, S5BIOC1030, S5THPC1020, S5WGBC1000, S5WGBC1010	S5WGBT1010, S5WGBT1000, PL1210, S5WGBC1030
S5WGBC1030	Installation of SCADA System / Control Monitoring System	60	27-Nov-23	25-Jan-24	13-Mar-23	11-May-23	-259	S5WGBP1030, S5WGBC1020	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		18	28-Feb-24	16-Mar-24	27-Jun-23	14-Jul-23	-246		
S5WGBT1000	Ready for Power Energisation	3	28-Feb-24	01-Mar-24	27-Jun-23	29-Jun-23	-246	S5WGBC1020, S5WS2C1110, S5EXAC1036	S5WGBT1010
S5WGBT1010	SAT for Gas Burning System	15	02-Mar-24	16-Mar-24	30-Jun-23	14-Jul-23	-246	S5WGBC1020, S5WGBT1000	S5T1090
Plant Service Water Area		482	21-Nov-22	16-Mar-24	17-Apr-22	11-May-23	-310		
Fabrication, FAT & Delivery of Major Plant & Materials		360	21-Nov-22	15-Nov-23	17-Apr-22	11-Apr-23	-218		
S5PSWP1000	Fabrication & Delivery of Plant Service Water System	120	21-Nov-22	20-Mar-23	16-Aug-22	13-Dec-22	-97	S2P1090, S2D1690	S5PSWC1000
S5PSWP1010	Delivery of SCADA System	360	21-Nov-22*	15-Nov-23	17-Apr-22	11-Apr-23	-218		S5PSWC1010
Installation		270	21-Mar-23	15-Dec-23	14-Dec-22	11-May-23	-218		
S5PSWC1000	E&M Installation of Plant Service Water System	90	21-Mar-23	18-Jun-23	14-Dec-22	13-Mar-23	-97	AD1100, S5PSWP1000	S5PSWT1000, PL1210, S5PSWC1010
S5PSWC1010	Installation of SCADA System / Control Monitoring System	30	16-Nov-23	15-Dec-23	12-Apr-23	11-May-23	-218	S5PSWP1010, S5PSWC1000	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		48	29-Jan-24	16-Mar-24	14-Mar-23	30-Apr-23	-321		

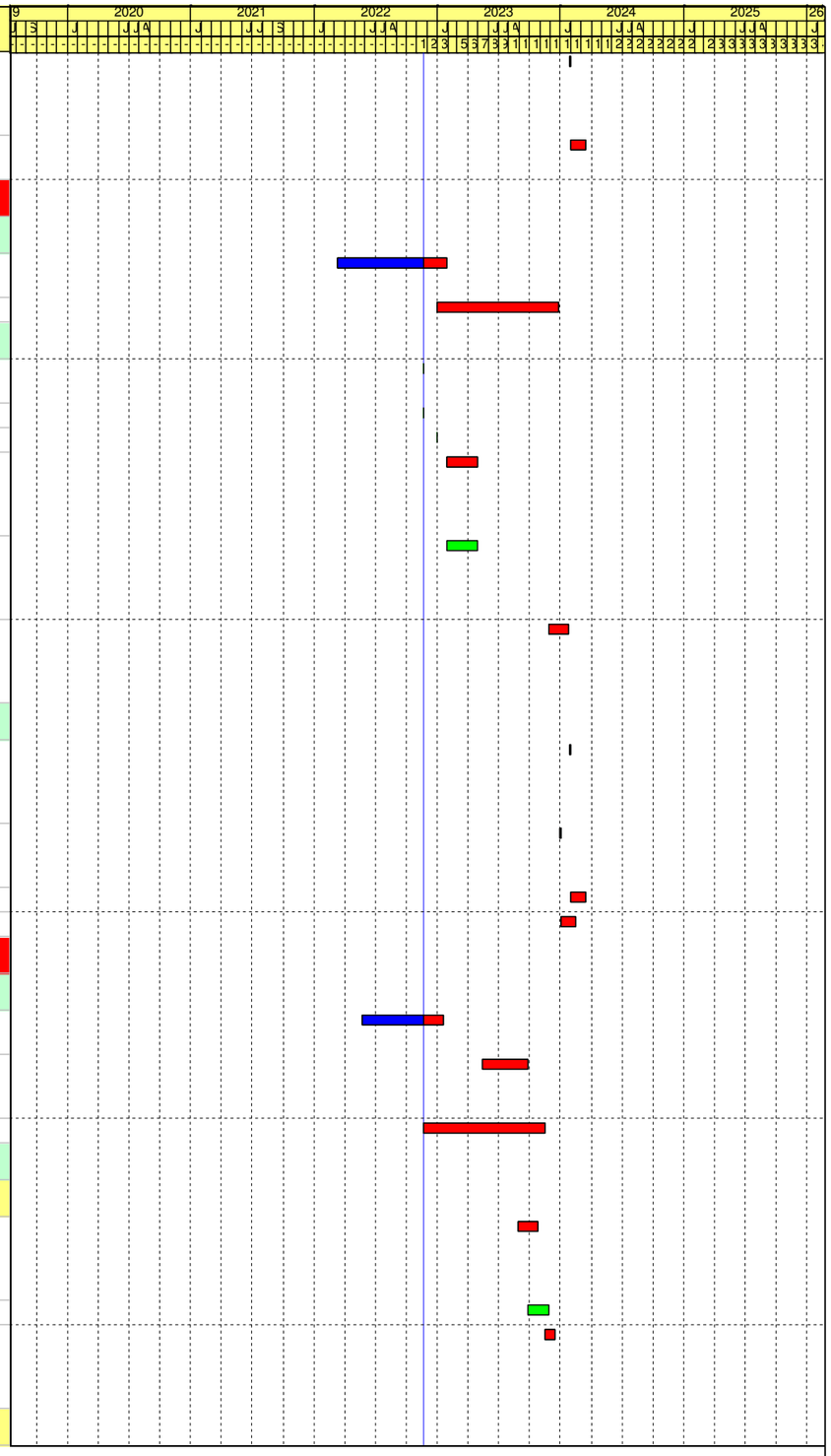


Remaining Work
Critical Activity
Milestone
Actual Progress

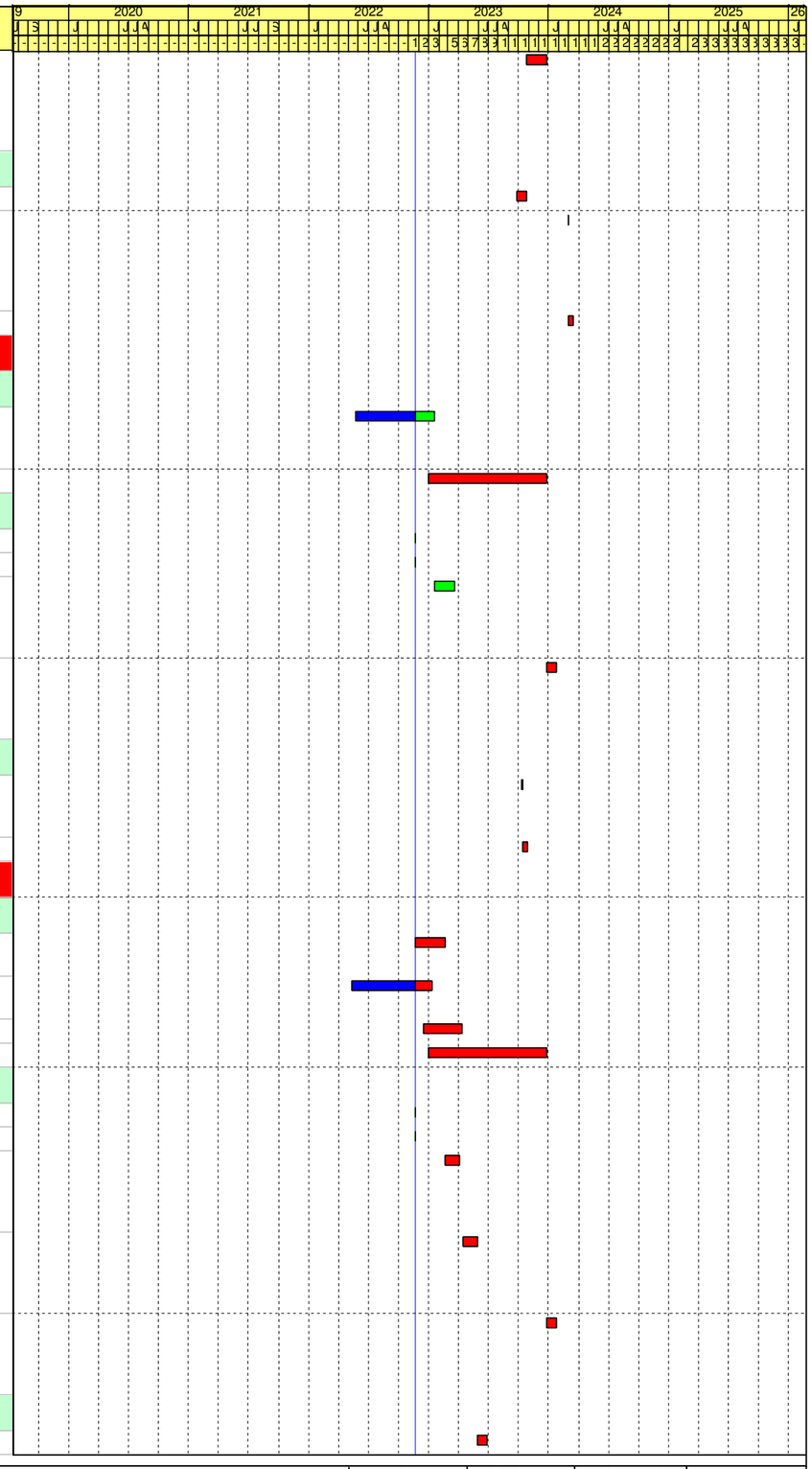
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5PSWT1000	Ready for Power Energisation	3	29-Jan-24	31-Jan-24	14-Mar-23	16-Mar-23	-321	S5PSWC1000, S5WS2C1130, S5EXAC1040, S5TXRT1010	S5PSWT1010
S5PSWT1010	SAT & System Commissioning Tests for Plant Services Water System	45	01-Feb-24	16-Mar-24	17-Mar-23	30-Apr-23	-321	S5PSWT1000, S5UVPC1000	S5T1060
DO Area		666	10-Mar-22 A	16-Mar-24	17-Apr-22	29-Jun-23	-261		
Fabrication, FAT & Delivery of Major Plant & Materials		585	10-Mar-22 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5DOUP1000	Fabrication & Delivery of DO System	150	10-Mar-22 A	30-Jan-23	03-Nov-22	12-Jan-23	-18	S2P1150, S2D1930	S5DOUC1030, S5DOUC1040
S5DOUP1010	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5DOUC1050
Installation		431	21-Nov-22	25-Jan-24	12-Jan-23	11-May-23	-259		
S5DOUC1000	Access to DO Area (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	12-Jan-23	12-Jan-23	52		S5DOUC1030, S5DOUC1040
S5DOUC1010	Access to DO Area No.11 (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	12-Jan-23	12-Jan-23	52		S5DOUC1030
S5DOUC1020	Access to DO Area No.12 (Impacted by EWN-0314-1)	1	31-Dec-22*	31-Dec-22	10-Feb-23	10-Feb-23	41		S5DOUC1040
S5DOUC1030	E&M Installation of DO System No.11	90	31-Jan-23	30-Apr-23	13-Jan-23	12-Apr-23	-18	AD1100, S5DOUP1000, S5DOUC1000, S5DOUC1010	S5DOUT1000
S5DOUC1040	E&M Installation of DO System No.12	90	31-Jan-23	30-Apr-23	11-Feb-23	11-May-23	11	AD1100, S5DOUP1000, S5DOUC1000, S5DOUC1020	S5DOUT1010, PL1210, S5DOUC1050
S5DOUC1050	Installation of SCADA System / Control Monitoring System	60	27-Nov-23	25-Jan-24	13-Mar-23	11-May-23	-259	S5DOUP1010, S5DOUC1040	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		78	30-Dec-23	16-Mar-24	13-Apr-23	29-Jun-23	-261		
S5DOUT1000	Ready for Power Energisation of DO No.11	3	29-Jan-24	31-Jan-24	13-Apr-23	15-Apr-23	-291	S5DOUC1030, S5WS2C1130, S5EXAC1040, S5TXRT1010	S5DOUT1020
S5DOUT1010	Ready for Power Energisation of DO No.12	3	30-Dec-23	01-Jan-24	13-May-23	15-May-23	-231	S5DOUC1040, S5WS2C1110, S5EXAC1033	S5DOUT1030
S5DOUT1020	SAT & System Commissioning Tests for DO System No.11	45	01-Feb-24	16-Mar-24	16-Apr-23	30-May-23	-291	S5DOUT1000	S5T1060
S5DOUT1030	SAT & System Commissioning Tests for DO System No.12	45	02-Jan-24	15-Feb-24	16-May-23	29-Jun-23	-231	S5DOUT1010	S5T1080
Sewage Pump Station		635	23-May-22 A	16-Mar-24	17-Apr-22	16-Apr-25	396		
Fabrication, FAT & Delivery of Major Plant & Materials		513	23-May-22 A	15-Nov-23	17-Apr-22	11-Apr-23	-218		
S5SPSP1000	Fabrication & Delivery of Sewage Pump	150	23-May-22 A	19-Jan-23	13-Nov-22	11-Jan-23	-8	S2P1180, S2D1940	S5SPSC1000
S5SPSP1010	Fabrication & Delivery of LV Switchboard	134	16-May-23*	26-Sep-23	30-Sep-22	10-Feb-23	-228		S5SPSC1000, S5SPSC1001, S5SPST0990
S5SPSP1020	Delivery of Control & Monitoring System / SCADA System	360	21-Nov-22*	15-Nov-23	17-Apr-22	11-Apr-23	-218		S5SPSC1010
Installation		120	28-Aug-23	25-Dec-23	12-Jan-23	16-Apr-25	478		
E&M Installation		110	28-Aug-23	15-Dec-23	12-Jan-23	16-Apr-25	488		
S5SPSC1000	E&M Installation of Sewage Pump	60	28-Aug-23	26-Oct-23	12-Jan-23	12-Mar-23	-228	AD1100, S5SPSP1000, S5SPSP1010	S5SPSC1020, S5SPST1000, PL1210, S5SPSC1010
S5SPSC1001	LV Switchboard Installation	60	27-Sep-23	25-Nov-23	16-Feb-25	16-Apr-25	508	S5SPSP1010	
S5SPSC1010	Installation of SCADA System / Control Monitoring System	30	16-Nov-23	15-Dec-23	12-Apr-23	11-May-23	-218	S5SPSP1020, S5SPSC1000	S5T1000, S5T1010, S5T1020, S5T1030
BS Installation		60	27-Oct-23	25-Dec-23	13-Mar-23	11-May-23	-228		



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5SPSC1020	BS Installation for Sewage Pumping Station	60	27-Oct-23	25-Dec-23	13-Mar-23	11-May-23	-228	S5SPSC1000	S5S1160, S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		172	27-Sep-23	16-Mar-24	13-Apr-23	30-May-23	-291		
S5SPST0990	SAT of Switchboard	30	27-Sep-23	26-Oct-23	13-Apr-23	12-May-23	-167	S5SPSP1010	S5SPST1000
S5SPST1000	Ready for Power Energisation	3	28-Feb-24	01-Mar-24	13-May-23	15-May-23	-291	S5SPSC1000, S5WS2C1110, S5SPST0990, S5EXAC1036, S5EXAC1045	S5SPST1010
S5SPST1010	SAT & System Commissioning Tests for Sewage Pumping Station	15	02-Mar-24	16-Mar-24	16-May-23	30-May-23	-291	S5SPST1000	S5T1060
THP Cooling Water Transfer Pumping Station		584	23-May-22 A	25-Jan-24	17-Apr-22	15-May-23	-255		
Fabrication, FAT & Delivery of Major Plant & Materials		554	23-May-22 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5TCWP1000	Fabrication & Delivery of THP Cooling Pump	150	23-May-22 A	19-Jan-23	29-Dec-22	26-Feb-23	38	S2P1210, S2D1970, S2D1370	S5TCWC1020
S5TCWP1010	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5TCWC1030
Installation		431	21-Nov-22	25-Jan-24	26-Feb-23	11-May-23	-259		
S5TCWC1000	Access to THP CW Transfer Pumping Station (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	26-Feb-23	26-Feb-23	97		S5TCWC1020
S5TCWC1010	Access to THP CW Transfer Pumping Station (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	26-Feb-23	26-Feb-23	97		S5TCWC1020
S5TCWC1020	E&M Installation of THP Cooling Pump	60	20-Jan-23	20-Mar-23	27-Feb-23	27-Apr-23	38	AD1100, S5TCWP1000, S5TCWC1000, S5TCWC1010	S5TCWT1000, PL1210, S5TCWC1030
S5TCWC1030	Installation of SCADA System / Control Monitoring System	30	27-Dec-23	25-Jan-24	12-Apr-23	11-May-23	-259	S5TCWP1010, S5TCWC1020	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		18	12-Oct-23	29-Oct-23	28-Apr-23	15-May-23	-167		
S5TCWT1000	Ready for Power Energisation	3	12-Oct-23	14-Oct-23	28-Apr-23	30-Apr-23	-167	S5TCWC1020, S5WS2C1110, S5EXAC1030	S5TCWT1010
S5TCWT1010	SAT & System Commissioning Tests for THP Cooling Water Pumping System	15	15-Oct-23	29-Oct-23	01-May-23	15-May-23	-167	S5TCWT1000	S5T1050
Ferric Chloride Dosing Facility		606	14-May-22 A	15-Apr-24	17-Apr-22	30-May-23	-321		
Fabrication, FAT & Delivery of Major Plant & Materials		495	14-May-22 A	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5FCDP1000	Fabrication & Delivery of Ferric Chloride Storage Tank	90	21-Nov-22	18-Feb-23	30-Sep-22	28-Dec-22	-52	S5P1030, S2D1980	S5FCDC1020
S5FCDP1010	Fabrication & Delivery of Ferric Chloride Dosing Pump	150	14-May-22 A	10-Jan-23	24-Nov-22	13-Jan-23	3	S5P1040, S2D1980	S5FCDC1030
S5FCDP1020	Fabrication & Delivery of LV Switchboard	120	15-Dec-22*	13-Apr-23	30-Sep-22	27-Jan-23	-76		S5FCDC1030
S5FCDP1030	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5FCDP1040
Installation		431	21-Nov-22	25-Jan-24	28-Dec-22	11-May-23	-259		
S5FCDC1000	Access to Ferric Chloride Dosing Facility (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	28-Dec-22	28-Dec-22	37		S5FCDC1020
S5FCDC1010	Access to Ferric Chloride Dosing Facility (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	28-Dec-22	28-Dec-22	37		S5FCDC1020
S5FCDC1020	E&M Installation of Ferric Chloride Storage Tank	45	19-Feb-23	04-Apr-23	29-Dec-22	11-Feb-23	-52	AD1100, S5FCDP1000, S5FCDC1000, S5FCDC1010	S5FCDC1030, S5S1280
S5FCDC1030	E&M Installation of Ferric Chloride Dosing Pump	45	14-Apr-23	28-May-23	28-Jan-23	13-Mar-23	-76	AD1100, S5FCDC1020, S5FCDP1010, S5FCDP1020	S5FCDT1000, S5FCDT0990, PL1210, S5FCDP1040
S5FCDP1040	Installation of SCADA System / Control Monitoring System	30	27-Dec-23	25-Jan-24	12-Apr-23	11-May-23	-259	S5FCDP1030, S5FCDC1030	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		323	29-May-23	15-Apr-24	14-Mar-23	30-May-23	-321		
S5FCDT0990	SAT of Switchboard	30	29-May-23	27-Jun-23	14-Mar-23	12-Apr-23	-76	S5FCDC1030	S5FCDT1000

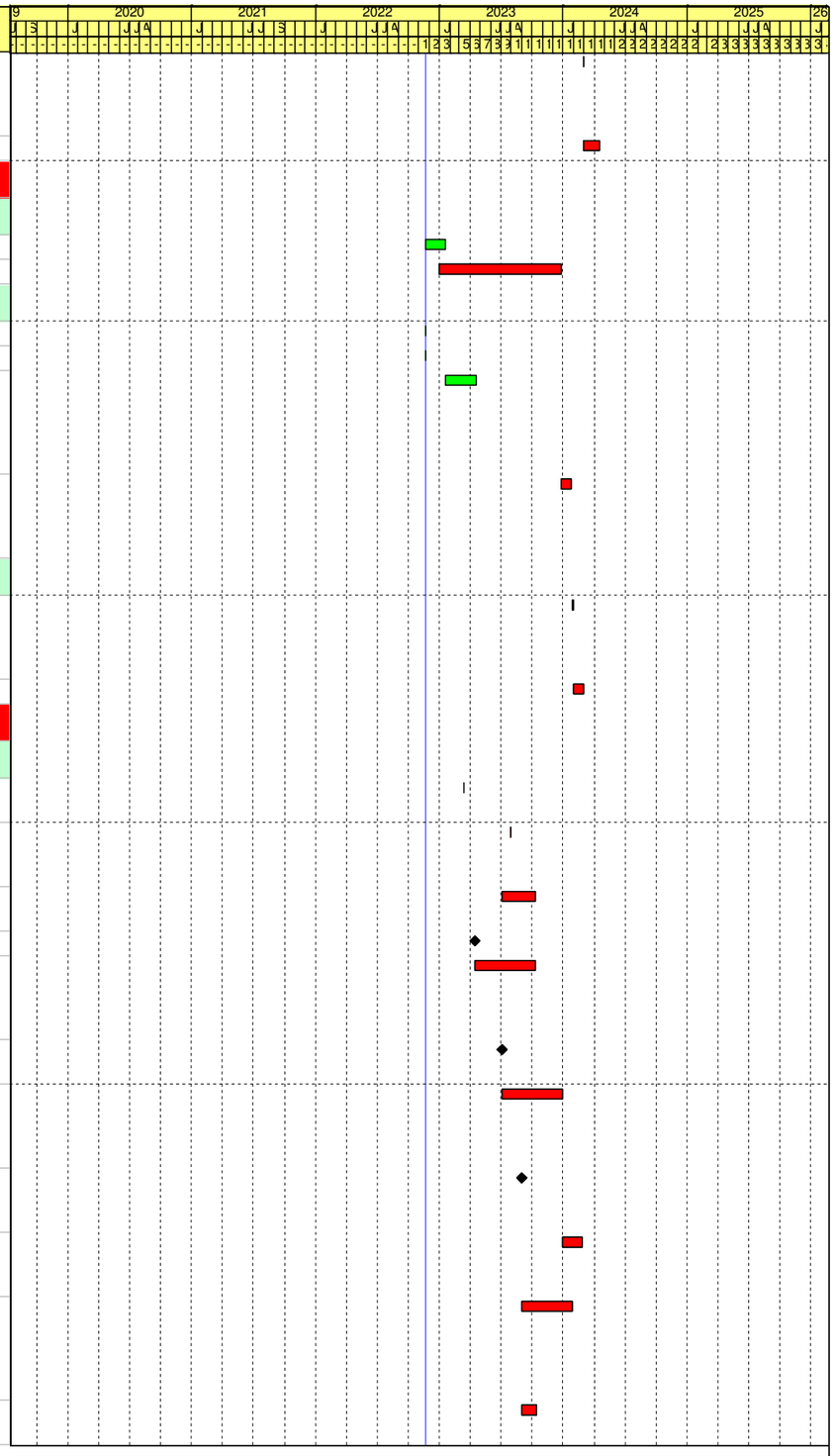


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5FCDT1000	Ready for Power Energisation	3	28-Feb-24	01-Mar-24	13-Apr-23	15-Apr-23	-321	S5FCDC1030, S5WS2C1110, S5FCDT0990, S5EXAC1036	S5FCDT1010
S5FCDT1010	SAT & System Commissioning Tests for FeCl3 Dosing Facility	45	02-Mar-24	15-Apr-24	16-Apr-23	30-May-23	-321	S5FCDT1000	S5T1080
Fire Hydrant and Booster Pump Room		467	21-Nov-22	01-Mar-24	17-Apr-22	30-Nov-23	-92		
Fabrication, FAT & Delivery of Major Plant & Materials		401	21-Nov-22	26-Dec-23	17-Apr-22	11-Apr-23	-259		
S5SHPP1000	Fabrication & Delivery of Fire Hydrant and Booster Pump	60	21-Nov-22*	19-Jan-23	13-Dec-22	10-Feb-23	22		S5SHPC1020
S5SHPP1010	Delivery of Control & Monitoring System / SCADA System	360	01-Jan-23*	26-Dec-23	17-Apr-22	11-Apr-23	-259		S5SHPC1030
Installation		431	21-Nov-22	25-Jan-24	10-Feb-23	11-May-23	-259		
S5SHPC1000	Access to Fire Hydrant and Booster Pump Room (Impacted by EWN-0314)	1	21-Nov-22*	21-Nov-22	10-Feb-23	10-Feb-23	81		S5SHPC1020
S5SHPC1010	Access to Fire Hydrant and Booster Pump Room (Impacted by EWN-0314-1)	1	21-Nov-22*	21-Nov-22	10-Feb-23	10-Feb-23	81		S5SHPC1020
S5SHPC1020	Fire Hydrant and Booster Pump Room Installation	90	20-Jan-23	19-Apr-23	11-Feb-23	11-May-23	22	S5S1120, AD1100, S5SHPC1000, S5SHPC1010, S5SHPP1000	S5S1130, S5SHPT1000, PL1210, S5SHPC1030
S5SHPC1030	Installation of SCADA System / Control Monitoring System	30	27-Dec-23	25-Jan-24	12-Apr-23	11-May-23	-259	S5SHPP1010, S5SHPC1020	S5T1000, S5T1010, S5T1020, S5T1030
Testing and Commissioning		33	29-Jan-24	01-Mar-24	29-Oct-23	30-Nov-23	-92		
S5SHPT1000	Ready for Power Energisation	3	29-Jan-24	31-Jan-24	29-Oct-23	31-Oct-23	-92	S5SHPC1020, S5WS2C1130, S5EXAC1040, S5TXRT1010	S5SHPT1010
S5SHPT1010	SAT for Fire Hydrant and Booster Pump	30	01-Feb-24	01-Mar-24	01-Nov-23	30-Nov-23	-92	S5SHPT1000	S5S1220
External Area		351	14-Mar-23	27-Feb-24	15-Oct-22	06-Nov-23	-113		
Installation		351	14-Mar-23	27-Feb-24	15-Oct-22	06-Nov-23	-113		
S5EXAC1000	Access to Other Peripheral Systems (Impacted by EWN-0314)	1	14-Mar-23*	14-Mar-23	10-May-23	10-May-23	57		S5EXAC1050, S5EXAC1060
S5EXAC1010	Access to Other Peripheral Systems (Impacted by EWN-0314-1)	1	31-Jul-23*	31-Jul-23	30-Jan-23	30-Jan-23	-182		S5EXAC1050, S5EXAC1060, S5EXAC1030
S5EXAC1020	E&M Installation of Pipe Trench No.1, No.2	100	03-Jul-23	10-Oct-23	05-Feb-23	15-May-23	-148	AD1100, S5EXAC1031	S5T1050, PL1210
S5EXAC1025	Access to Stage 1 External Area	0	15-Apr-23*		15-Oct-22		-182		S5EXAC1030
S5EXAC1030	LV Cable Laying from CHP to Sludge Digestor, Workshop no.2 and THP CW transfer PS (120 days) & Termination (60 days)	180	15-Apr-23	11-Oct-23	15-Oct-22	12-Apr-23	-182	S5EXAC1010, S5P1050, S5EXAC1025	S5TCWT1000, S5WS2T1010, S5DIGT1010, PL1210
S5EXAC1031	Access to Stage 2 External Area	0	03-Jul-23*		15-Oct-22		-261		S5EXAC1033, S5EXAC1020
S5EXAC1033	LV Cable Laying from CHP to BHT, THP, DOU No.12, H2S removal & Guard Hse (120 days) & Termination (60 days)	180	03-Jul-23	29-Dec-23	15-Oct-22	12-Apr-23	-261	S5EXAC1031	S5BIOT1000, S5THPT1000, S5DOUT1010, S5H2ST1000
S5EXAC1034	Access to Stage 3 External Area	0	01-Sep-23*		15-Oct-22		-321		S5EXAC1036, S5EXAC1040, S5EXAC1045
S5EXAC1036	LV Cable Laying from CHP to FeCl3 Dosing Facility and Waste Gas Burning System (30 days) & Termination (30 days)	60	30-Dec-23	27-Feb-24	12-Feb-23	12-Apr-23	-321	S5EXAC1034, S5EXAC1040	S5SPST1000, S5WGBT1000, S5FCDT1000
S5EXAC1040	LV Cable Laying from TX & SW Room to DOU no. 11, Street Hydrant Pump room and PSWS (90 days) & Termination (60 days)	150	01-Sep-23	28-Jan-24	15-Oct-22	13-Mar-23	-321	S5P1050, S5EXAC1034	S5SHPT1000, S5DOUT1000, S5PSWT1000, PL1210, S5EXAC1036
S5EXAC1045	LV Cable Laying from SDB to SPS (20 days) & Termination (25 days)	45	01-Sep-23	15-Oct-23	29-Mar-23	12-May-23	-156	S5EXAC1034, S5P1050	S5SPST1000

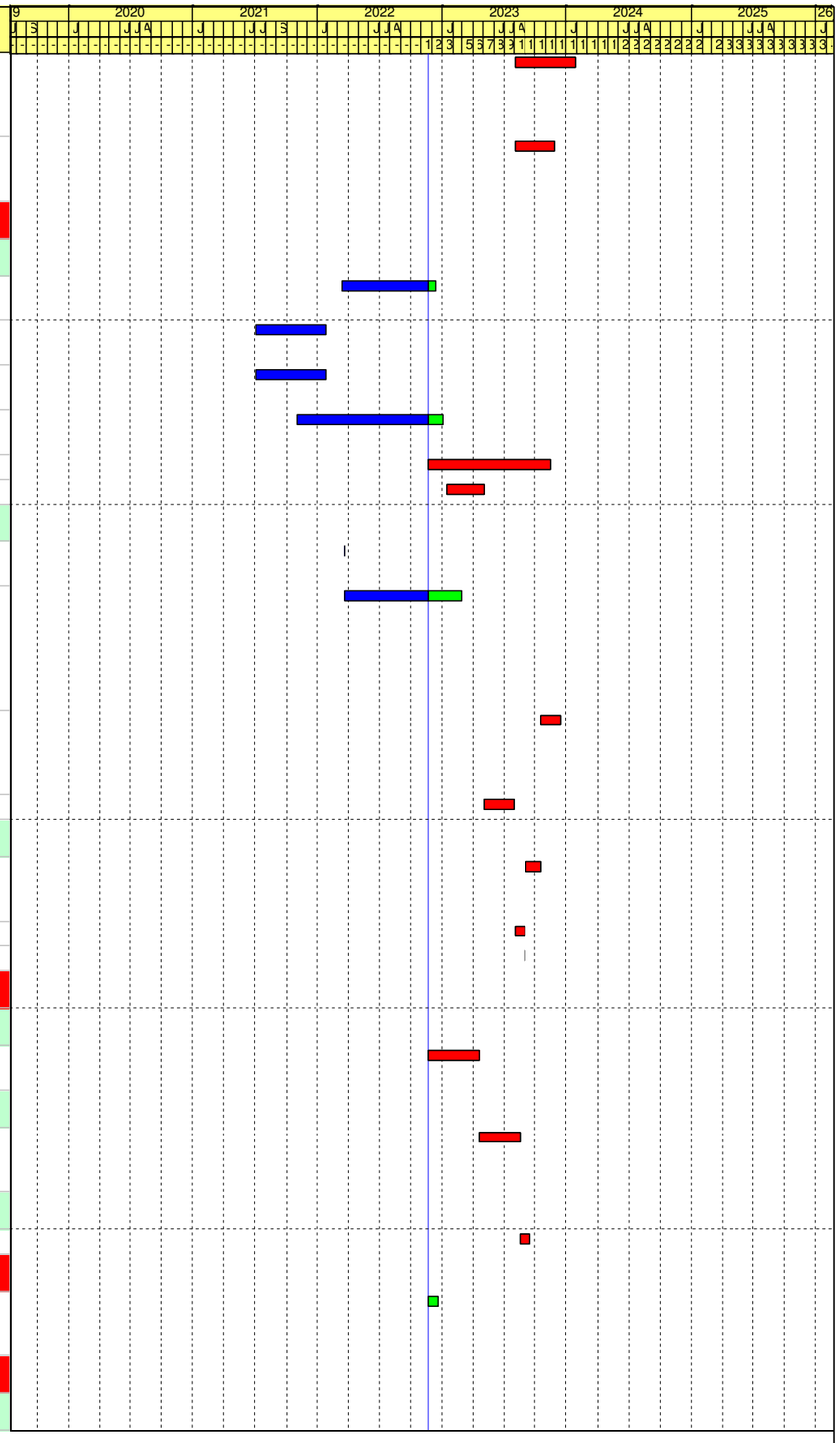


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5EXAC1050	Road Lighting Installation	180	01-Aug-23	27-Jan-24	11-May-23	06-Nov-23	-82	AD1100, S5EXAC1000, S5EXAC1010, S5P1050	S5S1220, PL1210
S5EXAC1060	Landscape Lighting Installation	120	01-Aug-23*	28-Nov-23	10-Jul-23	06-Nov-23	-22	S5EXAC1000, S5EXAC1010, S5P1050	S5S1220, PL1210
SAS Pumping Station		816	04-Jul-21 A	15-Dec-23	17-Apr-22	16-Apr-25	488		
Fabrication, FAT & Delivery of Major Plant & Materials		786	04-Jul-21 A	15-Nov-23	17-Apr-22	16-Apr-25	518		
S5SASP1000	Fabrication & Delivery of SAS Pumping System	120	16-Mar-22 A	13-Dec-22	18-Feb-23	12-Mar-23	89	S2P1100, S2D1770	S5SASC1010
S5SASP1010	Fabrication & Delivery of Stoplog	270	04-Jul-21 A	27-Jan-22 A	12-Mar-23	12-Mar-23		S2P1160	S5SASC1010
S5SASP1020	Fabrication & Delivery of Penstock	270	04-Jul-21 A	27-Jan-22 A	12-Mar-23	12-Mar-23		S2P1170	S5SASC1010
S5SASP1030	Fabrication & Delivery of Lifting Appliances	309	30-Oct-21 A	04-Jan-23	03-Mar-25	16-Apr-25	833		
S5SASP1040	Delivery of Control & Monitoring System / SCADA System	360	21-Nov-22*	15-Nov-23	17-Apr-22	11-Apr-23	-218		S5SASC1020
S5SASP1050	Fabrication & Delivery of LV Switchboard	110	13-Jan-23*	02-May-23	26-Aug-22	13-Dec-22	-140		S5SASC1030
Installation		543	23-Mar-22 A	15-Dec-23	03-Dec-22	11-May-23	-218		
S5SASC1000	Access to SAS Pumping Station (Impacted by NCE-NCE-219)	1	23-Mar-22 A	23-Mar-22 A	03-Dec-22	03-Dec-22		AD1160	S5SASC1010
S5SASC1010	E&M Installation of SAS Pumping System	210	23-Mar-22 A	28-Feb-23	03-Dec-22	12-Mar-23	12	AD1160, S5SASP1000, CE0219b, S5SASP1010, S5SASP1020, S5SASC1000	S5SAST1000, PL1210, S5SASC1020
S5SASC1020	Installation of SCADA System / Control Monitoring System	60	17-Oct-23	15-Dec-23	13-Mar-23	11-May-23	-218	S5SASP1040, S5SASC1010	S5T1000, S5T1010, S5T1020, S5T1030
S5SASC1030	LV Switchboard Installation	90	03-May-23	31-Jul-23	14-Dec-22	13-Mar-23	-140	S5SASP1050	S5SAST1010
Testing and Commissioning		78	01-Aug-23	17-Oct-23	14-Mar-23	30-May-23	-140		
S5SAST1000	SAT & System Commissioning Tests for SAS Pumping Station	45	03-Sep-23	17-Oct-23	16-Apr-23	30-May-23	-140	S5SASC1010, S5SAST1020	S5T1110, S5T1120, S5T1060
S5SAST1010	SAT of Switchboard	30	01-Aug-23	30-Aug-23	14-Mar-23	12-Apr-23	-140	S5SASC1030	S5SAST1020
S5SAST1020	Ready for Power Energisation	3	31-Aug-23	02-Sep-23	13-Apr-23	15-Apr-23	-140	S5SAST1010	S5SAST1000
Existing Consolidation House		300	21-Nov-22	16-Sep-23	05-Jul-22	30-Apr-23	-139		
Fabrication, FAT & Delivery of Major Plant & Materials		150	21-Nov-22	19-Apr-23	05-Jul-22	01-Dec-22	-139		
S5ECHP1000	Fabrication & Delivery of Temporary Primary Sludge Pump	150	21-Nov-22	19-Apr-23	05-Jul-22	01-Dec-22	-139	S2P1220, S2D1990	S5ECHC1000
Installation		120	20-Apr-23	17-Aug-23	02-Dec-22	31-Mar-23	-139		
S5ECHC1000	E&M Installation of Existing Consolidation House	120	20-Apr-23	17-Aug-23	02-Dec-22	31-Mar-23	-139	CE0219d, S5ECHP1000	S5T1060, S5ECHT1000, PL1210
Testing and Commissioning		30	18-Aug-23	16-Sep-23	01-Apr-23	30-Apr-23	-139		
S5ECHT1000	SAT for Temporary Primary Sludge Pump	30	18-Aug-23	16-Sep-23	01-Apr-23	30-Apr-23	-139	S5ECHC1000	S5T1060
Miscellaneous		30	21-Nov-22	20-Dec-22	15-Feb-23	16-Mar-23	86		
S5UVPC1000	E&M Installation of Lift-up Pumps & Associated Pipeworks / Valves	30	21-Nov-22	20-Dec-22	15-Feb-23	16-Mar-23	86	S4C1030, S4P1080, S4T1020	S5PSWT1010, PL1210
Testing & Commissioning		421	26-Jan-24	21-Mar-25	01-May-23	04-May-24	-321		
T&C of Control Monitoring System		270	26-Jan-24	21-Oct-24	12-May-23	05-Feb-24	-259		

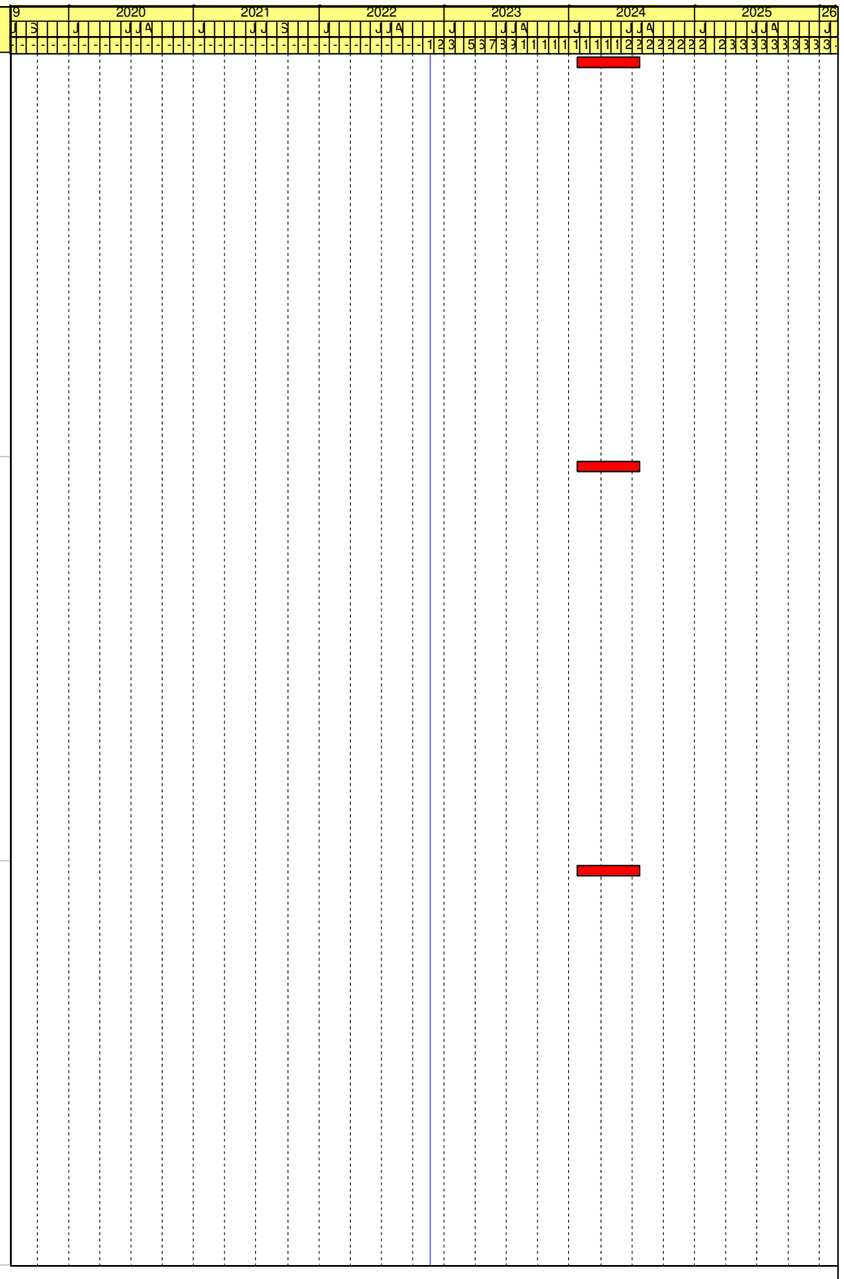


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5T1000	SAT of SCADA System	180	26-Jan-24	23-Jul-24	12-May-23	07-Nov-23	-259	S5TXRC1050, S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5DIGC1270, S5BIOC1060, S5THPC1050, S5SPSC1020, S5BIOC1050, S5THPC1040, S5H2SC1030, S5WGBC1030, S5PSWC1010, S5DOUC1050, S5SPSC1010, S5TCWC1030, S5FCDP1040, S5SHPC1030, S5SASC1020	S5T1040
S5T1010	SAT of PMS	180	26-Jan-24	23-Jul-24	12-May-23	07-Nov-23	-259	S5TXRC1050, S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5DIGC1270, S5BIOC1060, S5THPC1050, S5SPSC1020, S5BIOC1050, S5THPC1040, S5H2SC1030, S5WGBC1030, S5PSWC1010, S5DOUC1050, S5SPSC1010, S5TCWC1030, S5FCDP1040, S5SHPC1030, S5SASC1020	S5T1040
S5T1020	SAT of CMMS	180	26-Jan-24	23-Jul-24	12-May-23	07-Nov-23	-259	S5TXRC1050, S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5DIGC1270, S5BIOC1060, S5THPC1050, S5SPSC1020, S5BIOC1050, S5THPC1040, S5H2SC1030, S5WGBC1030, S5PSWC1010, S5DOUC1050, S5SPSC1010, S5TCWC1030, S5FCDP1040, S5SHPC1030, S5SASC1020	S5T1040

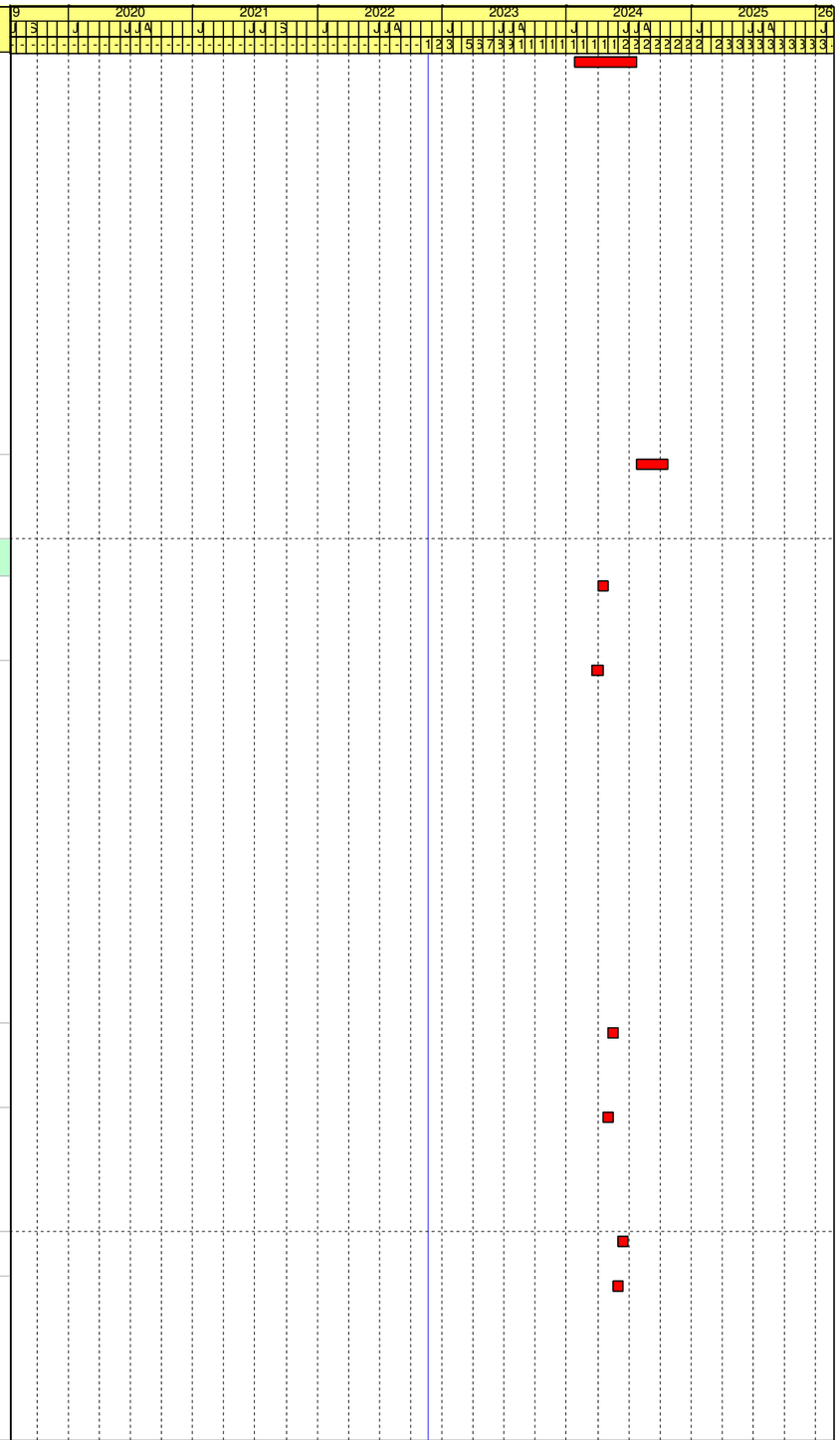


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5T1030	SAT of IDMS	180	26-Jan-24	23-Jul-24	12-May-23	07-Nov-23	-259	S5TXRC1050, S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5DIGC1270, S5BIOC1060, S5THPC1050, S5SPSC1020, S5BIOC1050, S5THPC1040, S5H2SC1030, S5WGBC1030, S5PSWC1010, S5DOUC1050, S5SPSC1010, S5TCWC1030, S5FCDP1040, S5SHPC1030, S5SASC1020	S5T1040
S5T1040	Overall Testing for Whole System	90	24-Jul-24	21-Oct-24	08-Nov-23	05-Feb-24	-259	S5T1000, S5T1010, S5T1020, S5T1030	SC51110, S5T1140
T&C of E&M Process		370	17-Mar-24	21-Mar-25	01-May-23	04-May-24	-321		
S5T1050	System Commissioning Tests for THP System	30	01-Apr-24	30-Apr-24	16-May-23	14-Jun-23	-321	S5THPT1010, S5EXAC1020, S5T1060, S5TCWT1010	S5T1120, S5T1080, S5T1110
S5T1060	System Commissioning Tests for Sludge Dewatering System	30	17-Mar-24	15-Apr-24	01-May-23	30-May-23	-321	S5ECHC1000, S5DOUT1020, S5SPST1010, S5SAST1000, S5ECHT1000, S5SDBT1180, S5SDBT1032, S5SDBT1070, S5SDBT1181, S5SDBT1160, S5SDBT1058, S5SDBT1045, S5SDBT1170, S5SDBT1068, S5SDBT1100, S5SDBC1870, S5SDBC1860, S5PSWT1010	S5T1120, S5T1110, PL1520, S5T1050
S5T1070	System Commissioning Tests for Biogas Storage System	30	01-May-24	30-May-24	15-Jun-23	14-Jul-23	-321	S5BIOT1010, S5T1080	S5T1120, S5T1110, S5S1070, S5T1100
S5T1080	System Commissioning Tests for Sludge Digestion System	30	16-Apr-24	15-May-24	31-May-23	29-Jun-23	-321	S5DIGT1020, S5T1050, S5DIGC1270, S5H2ST1010, S5DOUT1030, S5FCDT1010	S5T1120, S5T1110, S5T1070
S5T1090	System Commissioning Tests for Gas Burning System	30	31-May-24	29-Jun-24	15-Jul-23	13-Aug-23	-321	S5WGBT1010, S5T1100	S5T1120, S5T1110
S5T1100	System Commissioning Tests for CHP System	30	16-May-24	14-Jun-24	30-Jun-23	29-Jul-23	-321	S5CHPT1030, S5S1310, S5CHPC1120, S5CHPT1000, S5CHPC1250, S5CHPT1040, S5CHPT1050, S5T1070	S5T1120, S5T1110, PL1560, S5T1090

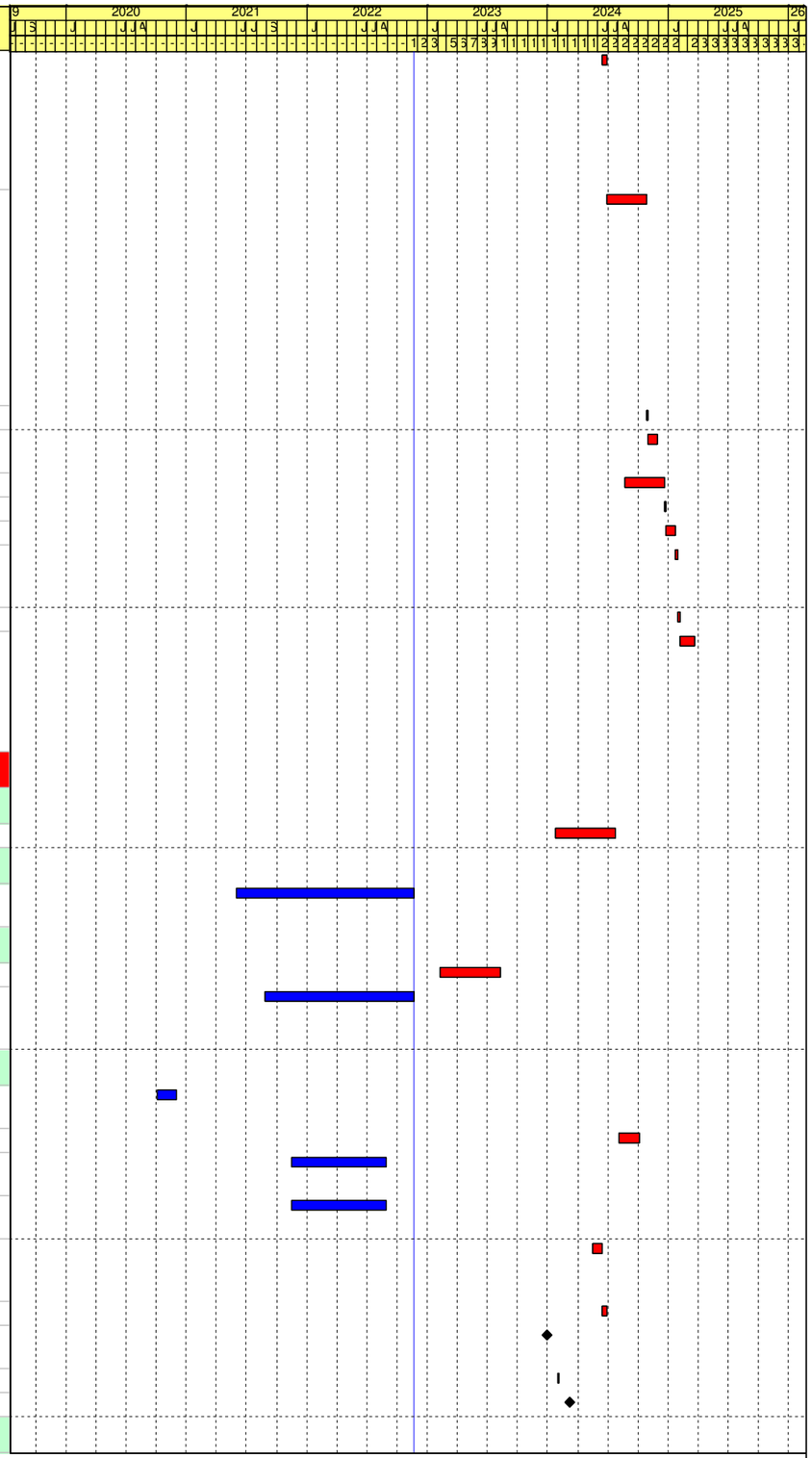


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5T1110	Seeding	14	16-Jun-24	29-Jun-24	31-Jul-23	13-Aug-23	-321	S5T1090, S5T1070, S5T1080, S5T1100, S5T1060, S5T1050, S5SAST1000	S5T1120
S5T1120	Process Start Up - Digester 1	120	30-Jun-24	27-Oct-24	14-Aug-23	11-Dec-23	-321	S5T1090, S5T1070, S5T1080, S5T1100, S5T1060, S5T1050, S5T1110, S5S1080, S5TXRC1050, S5SAST1000, S3T1130	S5T1150, S5T1130, S3T1140
S5T1130	Notice to Commence Phase 1 System Commissioning - Digester 1	3	28-Oct-24	30-Oct-24	03-Feb-24	05-Feb-24	-268	S5T1120	S5T1140
S5T1140	Phase 1 System Commissioning - Digester 1	30	31-Oct-24	29-Nov-24	06-Feb-24	06-Mar-24	-268	S5T1130, S5T1040	S5T1180
S5T1150	Process Start Up - Digester 2	120	22-Aug-24	19-Dec-24	06-Oct-23	02-Feb-24	-321	S5T1120	S5T1160
S5T1160	Notice to Commence Phase 1 System Commissioning - Digester 2	3	20-Dec-24	22-Dec-24	03-Feb-24	05-Feb-24	-321	S5T1150	S5T1170
S5T1170	Phase 1 System Commissioning - Digester 2	30	23-Dec-24	21-Jan-25	06-Feb-24	06-Mar-24	-321	S5T1160	S5T1180
S5T1180	Phase 2 System Commissioning - Digester 1 & 2	7	22-Jan-25	28-Jan-25	07-Mar-24	13-Mar-24	-321	S5T1170, S5T1140	S5T1190, PL1310, S3T1190
S5T1190	Notice to Commence Plant Commissioning	7	29-Jan-25	04-Feb-25	14-Mar-24	20-Mar-24	-321	S5T1180	S5T1200
S5T1200	Plant Commissioning Tests	45	05-Feb-25	21-Mar-25	21-Mar-24	04-May-24	-321	S5T1190, S5S1020, S5TXRC1050, S5WS2C1180, S5S1150, S3T1170	SC51110
Statutory Submission / Inspection		1245	03-Oct-20 A	03-Oct-24	22-May-22	16-May-24	-140		
HKT Submission		180	26-Jan-24	23-Jul-24	07-Nov-23	04-May-24	-80		
S5S0990	Application of Telemetry Lines for Workshop No. 2.	180	26-Jan-24	23-Jul-24	07-Nov-23	04-May-24	-80	S5WS2C1180	SC51110
CLP Submission		275	30-May-21 A	21-Nov-22	12-Dec-22	12-Dec-22	21		
S5S1000	Submission & Approval of Electrical Schematic Wiring Diagram to CLP	275	30-May-21 A	21-Nov-22	12-Dec-22	12-Dec-22	21		S5WS2C1040
EPD Submission / Inspection		711	28-Aug-21 A	08-Aug-23	22-May-22	17-Nov-22	-264		
S5S1010	EPD Submission & Approval for Air Pollution Control - Genset	180	10-Feb-23	08-Aug-23	22-May-22	17-Nov-22	-264	S2D1860	S5SDBC1500
S5S1020	EPD Submission & Approval for Air Pollution Control - CHP & Burner	180	28-Aug-21 A	21-Nov-22	04-Jun-22	04-Jun-22	-170	S2D1610	S5T1200, S5THPC1020, S5CHPC1020
EMSD Submission / Inspection		1245	03-Oct-20 A	03-Oct-24	01-Jun-22	16-May-24	-140		
S5S1030	BEEO Stage one: Submit EE1 & EE-SU to EMSD	60	03-Oct-20 A	02-Dec-20 A	03-Aug-22	03-Aug-22		S2D1890	S5WS2C1000
S5S1040	BEEO Stage two: Submit EE2 & EE-SU to EMSD	60	05-Aug-24	03-Oct-24	18-Mar-24	16-May-24	-140	S5S1250	SC51120
S5S1050	Application & Approval of the Zone Classification of Hazardous Area - including Fire Risk Assessment Report	180	15-Nov-21 A	30-Aug-22 A	01-Jun-22	01-Jun-22		S2D1070	S5S1070, S5S1060
S5S1060	Application for Construction Approval of Notifiable Gas Installation (Form 104)	180	15-Nov-21 A	30-Aug-22 A	01-Jun-22	01-Jun-22		S2D1070, S5S1050	S5S1070, S5BIOC1020
S5S1070	Application for Approval of Use of Notifiable Gas Installation (Form 105)	28	17-May-24	13-Jun-24	03-Jul-23	30-Jul-23	-319	S5S1060, S5T1070, S5S1050	S5S1080
S5S1080	EMSD Inspection - Gas Holding Tanks	14	14-Jun-24	27-Jun-24	31-Jul-23	13-Aug-23	-319	S5S1070	S5T1120
S5S1090	Form 5 Submission to EMSD - Lift Installation	0	31-Dec-23		28-Feb-24		59	S5WS2T1020, S5SDBT1110	S5S1100
S5S1100	EMSD Inspection - Lift Installation	7	30-Jan-24	05-Feb-24	29-Mar-24	04-Apr-24	59	S5S1090	S5S1110
S5S1110	Issuance of Form 6 - Lift Installation	0		06-Mar-24		04-May-24	59	S5S1100	SC51110
WSD Submission / Inspection		1002	01-Jul-21 A	28-Mar-24	11-Feb-23	04-May-24	37		

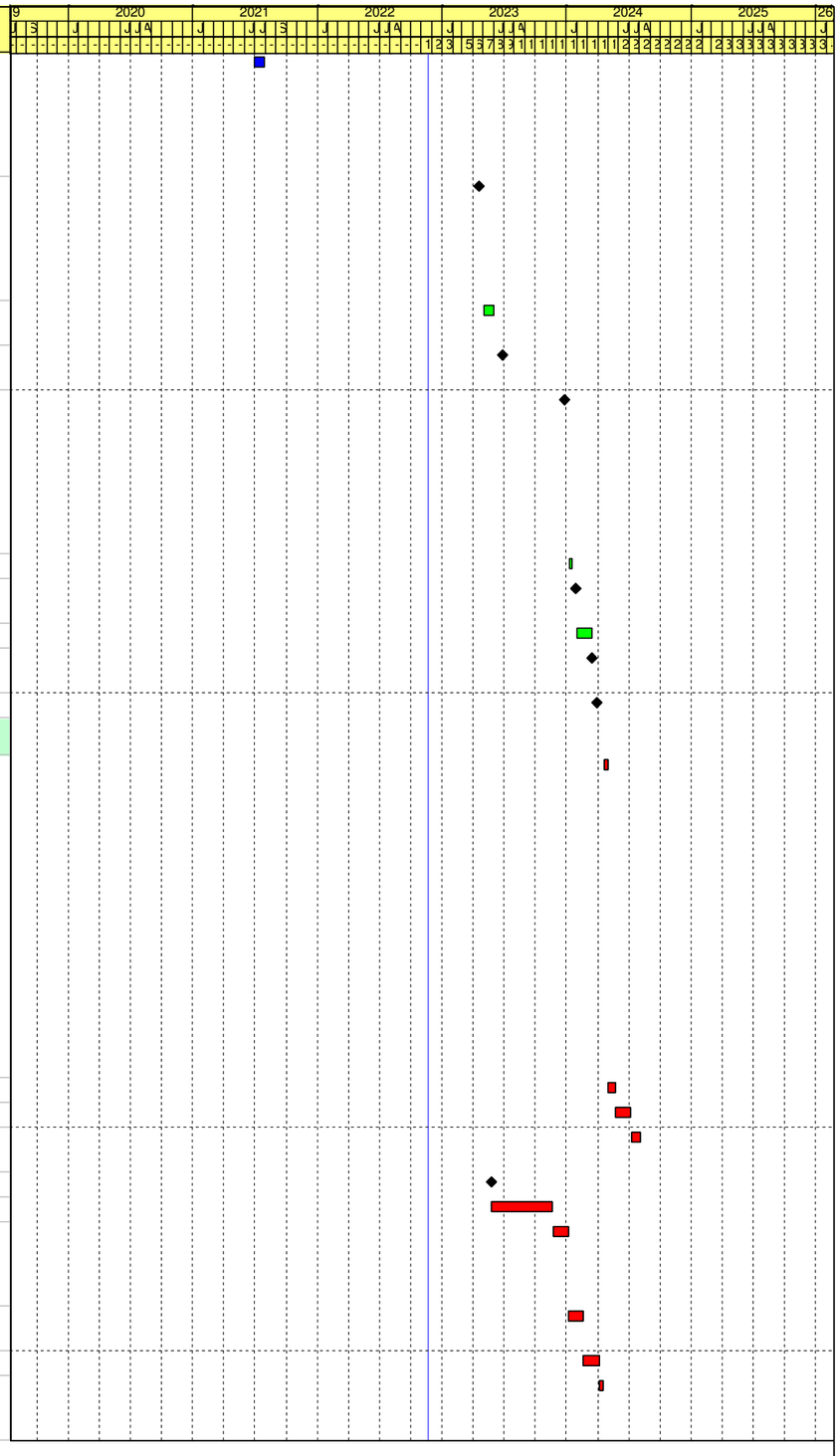


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	Predecessors	Successors
S5S1120	Submit WWO46 Part I / II to WSD (FS/PD)	30	01-Jul-21 A	30-Jul-21 A	11-Feb-23	11-Feb-23		S2D1910, S2D1860, S2D1870, S2D1880, S2D1890, S2D1900	S5S1130, S5WS2C1140, S5SHPC1020, S5DIGC1300, S5WS2C1170
S5S1130	Submit WWO46 Part IV to WSD (FS)	0	20-Apr-23		22-Sep-23		155	S5S1120, S5WS2C1140, S5SHPC1020, S5SDBC1352, S5SDBC1152, S5SDBC1052	S5S1140, S5S1150
S5S1140	WSD Inspection (FS)	28	04-May-23	31-May-23	06-Oct-23	02-Nov-23	155	S5S1130	S5S1250, S5S1150
S5S1150	Issuance of FS Water Certificate	0		28-Jun-23		30-Nov-23	155	S5S1130, S5S1140	S5T1200, S5S1220
S5S1160	Submit WWO46 Part IV to WSD (PD)	0	26-Dec-23		01-Feb-24		37	S5THPC1050, S5BIOC1060, S5SPSC1020, S5CHPC1240, S5CHPC1110, S5DIGC1300, S5WS2C1170, S5SDBT1150	S5S1170
S5S1170	WSD Inspection	7	09-Jan-24	15-Jan-24	15-Feb-24	21-Feb-24	37	S5S1160	S5S1180
S5S1180	Issuance of Form WWO46 Part Va	0		29-Jan-24		06-Mar-24	37	S5S1170	S5S1200, S5S1190
S5S1190	System Flushing / Sampling	45	30-Jan-24	14-Mar-24	07-Mar-24	20-Apr-24	37	S5S1180	S5S1200
S5S1200	Issuance of Form WWO46 Part Vb	0		14-Mar-24		20-Apr-24	37	S5S1180, S5S1190	S5S1210
S5S1210	Issuance of Water Certificate	0		28-Mar-24		04-May-24	37	S5S1200	SC51110
FSD Submission / Inspection		437	26-May-23	04-Aug-24	04-Sep-22	17-Mar-24	-140		
S5S1220	Prepare & Submit FSI/314 & FSI/501	14	19-Apr-24	02-May-24	01-Dec-23	14-Dec-23	-140	S5WS2C1150, S5S1310, S5S1150, S5EXAC1050, S5EXAC1060, S5CHPC1080, S5CHPC1090, S5CHPC1210, S5CHPC1220, S5DIGC1280, S5DIGC1290, S5SHPT1010, S5SDBT1048, S5SDBT1130, S5SDBT1140, S5SDBT1120	S5S1230
S5S1230	FSD Review & Approval of FSI/314 & FSI/501	21	03-May-24	23-May-24	15-Dec-23	04-Jan-24	-140	S5S1220	S5S1240
S5S1240	F.S. Inspection, Defects Rectification & Re-inspection	45	24-May-24	07-Jul-24	05-Jan-24	18-Feb-24	-140	S5S1230	S5S1250
S5S1250	Issuance of Acceptance Letter	28	08-Jul-24	04-Aug-24	19-Feb-24	17-Mar-24	-140	S5S1240, S5S1140	SC51110, S5S1040
S5S1260	Application of D.G. Licence	0	26-May-23		04-Sep-22		-264	S2D1860	S5S1270
S5S1270	Processing of D.G. Licence Application	180	26-May-23	21-Nov-23	04-Sep-22	02-Mar-23	-264	S5S1260	S5S1280
S5S1280	Apply for D.G. Inspection	45	22-Nov-23	05-Jan-24	03-Mar-23	16-Apr-23	-264	S5S1270, S5CHPC1150, S5FCDC1020, S5SDBT1078	S5S1310, S5S1290
S5S1290	D.G. Inspection, Defects Rectification & Re-inspection (Ventilation Division)	45	06-Jan-24	19-Feb-24	17-Apr-23	31-May-23	-264	S5S1280	S5S1310, S5S1300
S5S1300	D.G. Inspection, Defects Rectification & Re-inspection (DG Division)	45	20-Feb-24	04-Apr-24	01-Jun-23	15-Jul-23	-264	S5S1290	S5S1310
S5S1310	Issue D.G. Licence	14	05-Apr-24	18-Apr-24	16-Jul-23	29-Jul-23	-264	S5S1290, S5S1300, S5S1280	S5S1220, S5T1100



Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Nov 2022

Date	Revision	Checked	Approved
31-Jul-22	Rev.24	LT	KM
31-Aug-22	Rev.25	LT	KM
30-Sep-22	Rev.26	LT	KM
31-Oct-22	Rev.27	LT	KM
30-Nov-22	Rev.28	LT	KM

Contract No. DE/2018/04
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- E&M Works for Sewage Treatment Facilities
3 Month Rolling Programme (From 01/12/2022 to 01/03/2023)

Updated on: **20-Dec-22**

Item	Major Activities & Submission in coming 3 months	Time					Progress (E&M contract)				Action	Remarks / Status
		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
Drawing Submisssion for Key Dates												
KD1A: Submission of civil and dimensional requirement drawing, electrical schematic drawings, etc. from formation level up to +8mPD in accordance with the contract requirement of Contract No. DC/2018/07 to carry out civil works construction	KD1A: Submission of Civil Requirement Drawing (Final)	8/28/2020	9/18/2020	11/5/2020	11/5/2020	Task Completed	no.	26	26	100%		
	KD1A: Submission of Electrical Schematic Drawing (Final)	7/15/2020	7/15/2020	11/5/2020	11/5/2020	Task Completed	no.	11	11	100%		
	KD1A: 6 November 2020											
KD1B: Submission of remaining civil and dimenssional requirement drawings, electrical schematic drawing, etc. in accordance with the contract requirement of Contract No. DC/2018/07 to carry out civil works construction	KD1B: Submission of Civil Requirement Drawing (First Draft)	9/30/2020	9/28/2020	12/30/2020	3/31/2021	Task Completed	no.	47	47	100%		
	KD1B: Submission of Civil Requirement Drawing (Final)	11/6/2020	11/5/2020	6/4/2021	6/4/2021	Task Completed	no.	47	47	100%		All the CWR Drawings were submitted.
	KD1B: 4 June 2021											
KD3A: 04SC010 - Dismantle & Removal of Emergency Generators in existing Power House	Submission of subletting package for acceptance (C9)	3/1/2020	2/24/2020	3/14/2020	4/22/2020	Task Completed				100%	-	Bestwise resubmitted on 22 April 2020
	Acceptance of subletting package (C9)	3/14/2020	5/6/2020	4/1/2020	5/5/2020	Task Completed				100%	-	AECOM accepted subletting package on 5 May 2020
	Tender invitation (C9)	4/1/2020	5/15/2020	4/15/2020	5/22/2020	Task Completed				100%	-	Invitation to tender was commenced on 12 May 2020 and tender returned on 22 May 2020
	Tender award (C9)	4/15/2020	5/22/2020	4/29/2020	5/26/2020	Task Completed				100%	-	Bestwise submitted tender report on 26 May 2020
	Acceptance of tender award (C9)	-	-	-	6/6/2020	Task Completed				100%	-	AECOM accepted tender report on 2 June 2020, Letter of Acceptance was issued on 6 June
	Dismantle of existing BS equipment		6/15/2020		7/25/2020	Task Completed				100%		
	Removal of emergency generators	6/1/2020	6/15/2020	6/30/2020	7/25/2020	Task Completed				100%		
KD3A: 04SC010 - Dismantle & Removal of Emergency Generators in existing Power House	KD3A: Testing and Comissioning	7/1/2020	7/3/2020	7/29/2020	7/29/2020	Task Completed				100%		First test was conducted on 3 July 2020. Remaining test would be subjected to completion of civil works. KD3A - 29 July 2020. Joint Site Inspection was conducted on 24 July 2020 and Notice of completion of work was submitted on 28 July 2020
	KD3A: 29 July 2020											
	Submission of onsite survey plan on E&M aspects for	3/1/2020	3/25/2020	3/30/2020	4/27/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 27 April 2020
	Acceptance of submission of onsite survey plan	3/1/2020	3/25/2020	3/30/2020	5/22/2020	Task Completed				100%	-	AECOM accepted the onsite survey plan on 22 May 2020. Onsite coordination with ST1
KD3B: 6B.2.15 Operation Restoration of Existing Primary Sedimentation Tank (PST) No. 4 and 6	KD3B: Submission of onsite survey report	7/11/2020	7/20/2020	7/16/2020	7/30/2021	Task Completed				100%	Bestwise	- Onsite survey conducted from 20 July 2020 to 22 July 2020. Bestwise submitted survey report on 5 August 2020. AECOM commented on 19 Aug 2020. Bestwise to resubmit upon conducting the remaining onsite survey. (Done) - Bestwise revised survey plan for remaining onsite checking of PST No. 6 on 1 Sep 2020. After discussion with plant operator, the remaining survey would be conducted after the dismantling work of PSTs. Formal survey record for PST No.4 was submitted on 24 May 2021. - Remaining survey (level of bridge & scraper) for PST 6 completed. - Formal survey report shall be submitted on 30 Jul 2021.
	KD3B: Acceptancce of onsite survey report	7/17/2020	8/6/2020	7/23/2020	8/6/2021	Task Completed				-		Acceptance for the center point, vertical and horizontal alignment of ductfoot installation of PST No.4 shall subject to joint site meeting conducted on 2 June 2021. Refer to E-RISC no. 000014A & 000016 result for details.
	KD3B: Preparation of procurement package (C11)	12/2/2019	8/1/2020	4/13/2020	8/7/2020	Task Completed				100%		
	KD3B: Tender invitation - Clarifier (C11)	12/2/2019	8/14/2020	4/13/2020	8/26/2020	Task Completed				100%		
	KD3B: Tender Award - Clarifier (C11)	12/2/2019	8/26/2020	4/13/2020	9/25/2020	Task Completed				100%		
	KD3B: Acceptance of tender award (C11)	12/2/2019	9/11/2020	4/13/2020	9/18/2020	Task Completed				-		
	KD3B: Tender invitation - DI Pipe (C11)	12/2/2019	1/13/2021	4/13/2020	1/19/2021	Task Completed				100%		
	KD3B: Tender Award - DI Pipe (C11)	12/2/2019	1/21/2021	4/13/2020	1/23/2021	Task Completed				100%		
	KD3B: Tender invitation - LCP (C11)	12/2/2019	2/3/2021	4/13/2020	2/5/2021	Task Completed						
	KD3B: Tender Award - LCP (C11)	12/2/2019	2/6/2021	4/13/2020	2/8/2021	Task Completed				100%		
	KD3B: Preparation of subletting package for dismantling work (C9)	12/2/2019	9/21/2020	4/13/2020	10/21/2020	Task Completed				100%		
	KD3B: Tender invitation for dismantling work (C9)	12/2/2019	11/12/2020	4/13/2020	11/19/2020	Task Completed				100%		
	KD3B: Tender Award for dismantling work (C9)	12/2/2019	11/20/2020	4/13/2020	11/22/2020	Task Completed				100%		
	KD3B: Acceptance of tender award for dismantling work (C9)	12/2/2019	11/23/2020	4/13/2020	12/1/2020	Task Completed				100%		

	KD3B: Preparation and Acceptance of subletting package for installation work (C9)	12/2/2019	12/15/2020	4/13/2020	3/1/2021	Task Completed				100%		
	KD3B: Tender invitation for installation work (C9)	12/2/2019	3/3/2021	4/13/2020	3/10/2021	Task Completed				100%		
	KD3B: Tender Award for installation work (C9)	12/2/2019	3/12/2021	4/13/2020	3/15/2021	Task Completed				100%		
	KD3B: Acceptance of tender award for installation work (C9)	12/2/2019	3/15/2021	4/13/2020	3/19/2021	Task Completed				100%		
	Submission and Acceptance of Drawing Submission	4/14/2020	8/5/2020	9/10/2020	1/11/2021	Task Completed				100%		
	Submission and Acceptance of P&M Submission	4/14/2020	8/5/2020	9/10/2020	6/30/2021	Task Completed						Formal resubmission of P&M for Rotating Bridge Scraper P&M-0024 (Rev.1) was submitted to AECOM on 24 June 2021 and is accepted by AECOM. P&M submission for Local Control Panel Rev.3 was submitted on 20 Mar 2021 and AECOM accepted on 26 Mar 2021.
	Submission and Acceptance of FAT Plan	12/1/2020	1/27/2021	12/15/2020	2/16/2021	Task Completed				100%		
	Submission and Acceptance of SAT Plan	3/1/2021	3/1/2021	4/1/2021	5/5/2021	Task Completed				100%		Bestwise submitted on 13 Apr 2021. AECOM accepted with comments on 5 May 2021.
	Submission and Acceptance of Design Submission (Support to DN700 Feed Pipe)	N/A	2/22/2021	N/A	5/13/2021	Task Completed						Advanced Calculation was provided on 17 Mar 2021 and revised on 18 Mar 2021. Bestwise proposed to use the existing support. Calculation was provided on 1 Apr 2021 via email. Dimension of support column was checked again on 14 Apr 2021. Proposal submitted on 30 Apr 2021. AECOM accepted with comments on 13 May 2021.
	Submission and Acceptance of Design Submission (Stainless steel support to FRP Cover of Effluent	N/A	2/24/2021	N/A	4/19/2021	Task Completed				100%		Advanced Calculation was provided on 17 Mar 2021 and revised on 18 Mar 2021. Bestwise formal submitted on 26 Mar 2021. AECOM accepted with comment on 19 Apr 2021.
	KD3B: Dismantle and Removal of E&M Equipment at PST No. 6	2/9/2021	12/21/2020	2/19/2021	1/15/2021	Task Completed				100%		
	Flow Diversion and drain out PST No.4	N/A	1/25/2021	N/A	3/26/2021	Task Completed				100%		
	KD3B: Dismantle and Removal of E&M Equipment at PST No. 4	2/9/2021	3/5/2021	2/19/2021	4/1/2021	Task Completed				100%		
	KD3B: Material Manufacturing (Clarifier)	9/12/2020	12/16/2020	12/12/2020	2/20/2021	Task Completed				100%		The clarifier would be manufactured in 2 batches (rotating bridge related and FRP launder cover). Manufaturing instruction was issued on 16 Dec 2020. Jash suggested 1st batch of material (clarifier) would be ready for shipping on 20 Feb 2021 and 2nd batch of material (FRP Launder Cover) would be ready for shipping on 13 Mar 2021. (To be confirmed by Jash by providing shipment booking, but supplier cannot provide updated information at thie moment due to second surge of COVID-19 in india)
	KD3B: FAT of the Clarifier	N/A	2/24/2021	N/A	3/1/2021	Task Completed				100%		FAT Report submitted on 24 Feb 2021 and AECOM accepted subject to comment on 1 Mar 2021
	KD3B: Material Delivery (Clarifier)	12/13/2020	2/27/2021	1/18/2021	4/6/2021	Task Completed				100%		
	KD3B: Material Deliver to Site (Clarifier)	N/A	4/6/2021	N/A	4/8/2021	Task Completed				100%		
	KD3B: Material Manufacturing (DI pipes and fittings)	9/11/2020	1/26/2021	1/18/2021	3/15/2021	Task Completed				100%		Extracted from C9 package to C11 package to suit the installation programme
	KD3B: Material Delivery (DI pipes and fittings)	9/11/2020	3/16/2021	1/18/2021	3/24/2021	Task Completed				100%		
	KD3B: Material Delivery (FRP Cover)	N/A	3/26/2021	N/A	6/21/2021	Task Completed				100%		All the FRP covers were delivered to site.
	KD3B: Material Manufacturing (LCP)	9/11/2020	3/4/2021	1/18/2021	4/16/2021	Task Completed				100%		
	KD3B: Material Delivery (LCP)	9/11/2020	4/17/2021	1/18/2021	4/30/2021	Task Completed				100%		
	KD3B: Retrofitting Concrete Structure of PST No. 4	N/A	4/2/2021	N/A	4/22/2021	Task Completed				100%		
	KD3B: Installation of E&M Equipment at PST No. 4	2/27/2021	4/5/2021	5/10/2021	5/17/2021	Task Completed						
	KD3B: Testing and Comisssioning for PST No. 4	5/11/2021	4/19/2021	6/9/2021	7/26/2021	Task Completed						Wet test for PST 4 completed on 26 July 2021.
	Flow Diversion from PST No.6 to Temporary Filtrate Equalization Tank	N/A	5/19/2021	N/A	5/20/2021	Task Completed				100%		Filtrate feeding to TFES was resumed on 19/5/2021 with fine-tuned control.
	Removal of Accumulated Sludge Inside PST No. 6	N/A	5/19/2021	N/A	5/30/2021	Task Completed				100%		NCE-0229, this includes removal of floating scum/ sludge and clearance of blockage of drain pipe
	KD3B: Retrofitting Concrete Structure of PST No. 6	N/A	5/28/2021	N/A	6/24/2021	Task Completed				100%		
	KD3B: Mechanical Installation of E&M Equipment at PST No. 6	2/27/2021	5/31/2021	5/10/2021	7/21/2021	Task Completed				100%		This includes PST Influent feed pipe, center bearing & slip ring assembly, motor & gearbox assembly, rotating bridge sludge & scum scraper assembly, circular baffle diffuser box, v-notched weir plate, scum baffle plate, scum collection box and FRP cover.
	KD3B: Electrical Installation of E&M Equipment at PST No. 6	2/27/2021	6/9/2021	5/10/2021	7/21/2021	Task Completed				100%		This includes installation of LCP, cable laying & terminations.
	KD3B: Testing and Comisssioning for PST No. 6	5/11/2021	6/22/2021	6/9/2021	8/20/2021	Task Completed				100%		Wet test (1st) completed on 20 Aug 2021 and wet test (2nd) completed on 3 Sep 2021.
KD3B: 6B.2.15 Operation Restoration of Existing Primary Sedimentation Tank (PST) No. 4 and 6	KD3B: System Commissioning for PST No. 4 & 6	N/A	6/22/2021	N/A	9/3/2021	Task Completed				100%		Wet test (2nd) for PST#6 completed on 3 Sep 2021 and pre-handover inspection arranged on 30 Aug 2021. Defect list (final) received on 17 Sep 2021 and defect rectification was completed. Site training/ demonstration shall be conducted by end Feb and PMI modification work shall be completed by end March.
	KD3B: 9 June 2021											
Section 1 of Works (outstanding works list)												

6B.2.12 Provision of New Replacement Filter Plates	Submission of onsite survey plan for acceptance	3/1/2020	3/25/2020	3/30/2020	4/21/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 21 April 2020
	Acceptance of submission of onsite survey plan	3/1/2020	3/25/2020	3/30/2020	5/12/2020	Task Completed				100%	-	Survey plan acceptance received on 12 May 2020. Onsite discussion with ST1 was
	Submission of onsite survey report	5/21/2020	5/21/2020	5/29/2020	5/29/2020	Task Completed				100%		
	Acceptancce of onsite survey report	5/30/2020	5/30/2020	6/15/2020	6/15/2020	Task Completed				-		
	Preparation of procurement package (C11)	6/22/2020	6/22/2020	7/6/2020	7/14/2020	Task Completed				100%		
	Tender invitation (C11)	7/15/2020	7/15/2020	7/22/2020	7/24/2020	Task Completed				100%		
	Tender Award (C11)	7/23/2020	7/25/2020	7/29/2020	7/31/2020	Task Completed				100%		Revised survey report (second draft) was sent to AECOM on 21 Oct 2020. Technical
	Material Submission	8/21/2020	8/21/2020	8/28/2020	12/7/2020	Task Completed				100%		Material submission (Rev.1) resubmitted on 7 Dec 2020. AECOM accepted subject to comments on 24 Dec 2020. Material submission (Rev. 2) resubmitted on 12 Jan 2021. AECOM accepted subject to comment on 22 Jan 2021.
6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Delivery	12/1/2020	12/1/2020	8/8/2021	8/8/2021	Task Completed				-		"Filter Press Plates and Cloths" were handed over to DSD.
6B.2.12 Provision of Membrane Filter Press System at Existing Sludge Press House	Submission of onsite survey plan for acceptance	3/1/2020	3/25/2020	3/30/2020	Task to be deleted	Task to be deleted				-	-	PPMI No.5 was issused by PM on 24 April 2020. Bestwise is requested to submit quotation on delete the provision of one (1) no. of membrane filter press system in pursuant to Particular Specification Clause 6B.2.12.
6B.2.16 Temporary Filtrate Equalisation System (Sub-programme was provided by Bestwise)	Submission of onsite survey plan on E&M aspects for acceptance	3/1/2020	4/1/2020	3/30/2020	5/7/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 7 May 2020
	Acceptance of submission of onsite survey plan	3/1/2020	4/1/2020	3/30/2020	5/23/2020	Task Completed				100%	-	AECOM accepted the onsite survey plan on 23 May 2020
6B.2.16 Temporary Filtrate Equalisation System (Sub-programme was provided by Bestwise)	Submission and Acceptance of ELS Design for Lifting Well	15/06/2020 -> 17/08/2020*	9/2/2020	30/07/2020 -> 30/11/2020*	2/9/2021	Task Completed				100%	Bestwise	- * = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. Bestwise submitted Rev.0 on 21 Oct 2020 and resubmitted Rev.2 on 23 Jan 2021. - AECOM provide consent for the ELS temporary works on 9 Feb 2021. AECOM accepted on 9 Feb 2021.
	Submission and Acceptance of Design for Filtrate Lifting Well Construction	15/06/2020 -> 17/08/2020*	9/2/2020	30/07/2020 -> 30/11/2020*	1/15/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. AECOM commented on 21 Dec 2020. Bestwise submitted Rev.0 on 2 Nov 2020 and Rev.1 on 8 Jan 2021.
	Submission and Acceptance of Design of FRP Filtrate Equalization Tank	15/06/2020 -> 07/09/2020**	9/2/2020	30/07/2020 -> 22/10/2020* *	1/15/2021	Task Completed				100%		** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. - Bestwise submitted Rev.0 on 08 Jan 2020.
	Submission and Acceptance of Design of footing for FRP Filtrate Equalization Tank	15/06/2020 -> 07/09/2020**	9/2/2020	30/07/2020 -> 22/10/2020* *	2/19/2021	Task Completed				100%		** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. - Design of Footing was submitted on 8 Feb 2021.
	Submission and Acceptance of Design of Formwork & Flasework Design for Construction of Lifting Well	15/06/2020 -> 17/08/2020*	9/2/2020	30/07/2020 -> 30/11/2020*	1/15/2021	Task Completed				100%		- * = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Bestwise submitted Rev.0 on 12 Jan 2020.
	Submission and Acceptance of Contractor's Design for Temporary Filtrate Equalisation System (E&M Works) (CDS010-2)	01/06/2020 -> 7/9/2020**	7/5/2020	30/07/2020 -> 30/11/2020* *	7/30/2021	Task Completed				-	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Bestwise submitted (CDS 0010 Rev.0) on 6 August 2020, AECOM commented on 27 Aug 2020. Bestwise to resubmit (Separate submissions P&M0049, DWG0038, CDS0026, P&M0008, P&M0004, CDS0037, CDS0027, DWG0040 were submitted) - Control philosophy (CDS0027 Rev.0) was submitted on 22 Dec 2020. AECOM commented on 13 Jan 2021, Bestwise resubmitted on 27 May 2021 formally, AECOM accepted with comments on 4 Jun 2021.
	Drawing Submission	01/06/2020 -> 17/08/2020*	9/29/2020	30/07/2020 -> 30/11/2020*	3/5/2021	Task Completed				100%	Bestwise	- '* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Bestwise submitted (rev.0) on 29 Oct 2020 and resubmitted (rev.2) on 25 Jan 2021, AECOM accepted on 5 Feb 2021.
	Material Submission	01/06/2020 -> 17/08/2020*	11/29/2020	30/07/2020 -> 30/11/2020*	2/25/2021	Task Completed				100%	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - P&M submission of temporary filtrate equalization tank (P&M 0030 Rev.1) on 29 Jan 2021. AECOM accepted subject to comments on 25 Feb 2021.
Subletting Package for Temporary Filtrate Equalization System	Tender invitation (C11) (EQT-002 & EQT-004)	4/17/2020	4/17/2020	5/7/2020	5/7/2020	Task Completed				100%		
	Tender award (C11) (EQT-002 & EQT-004)	4/14/2020	4/24/2020	5/13/2020	5/13/2020	Task Completed				100%	Bestwise	Bestwise submitted tender report on 29 April 2020 for filtrate pumps, AECOM commented on 29 May 2020, Bestwise to resubmit. Bestwise submitted tender report of instrument on 13 May 2020, AECOM noted on 26 May
	Acceptance of tender award (C11) (EQT-002 & EQT-	4/25/2020	4/25/2020	5/21/2020	5/21/2020	Task Completed				100%	Bestwise	
	Material Submission	20/07/2020 ->	10/16/2020	20/08/2020 -	2/5/2021	Task Completed				-	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 18

	Submission of subletting package for acceptance (C9)	3/1/2020	7/13/2020	3/14/2020	7/13/2020	Task Completed				100%		
	Acceptance of subletting package (C9)	3/15/2020	7/14/2020	3/28/2020	7/14/2020	Task Completed				100%		
	Tender invitation (C9)	3/29/2020	7/15/2020	4/11/2020	7/22/2020	Task Completed				100%		
	Tender award (C9)	4/12/2020	7/23/2020	4/25/2020	8/13/2020	Task Completed				100%		
	Acceptance of tender award for civil construction work (C9)	26/04/2020	8/14/2020	5/5/2020	9/2/2020	Task Completed				100%		
	Preparation of subletting package for mech work (C9)	01/08/2020 -> 01/12/2020*	1/25/2021	08/08/20 -> 08/12/2020*	3/1/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. Subletting package would was submitted on 25 Feb 2021 and AECOM accepted on 1 Mar
	Tender invitation for mech work (C9)	08/08/20 ->	3/2/2021	15/08/2020 -	3/9/2021	Task Completed				100%		Tender invitation was conducted on 2 Mar 2021 and returned on 9 Mar 2021
	Tender Award for mech work (C9)	15/08/2020 ->	3/10/2021	22/08/2020 -	3/15/2021	Task Completed				100%		Tender report was submitted on 15 Mar 2021
	Acceptance of tender award for mech work (C9)	22/08/2020 ->	3/15/2021	29/08/2020 -	3/19/2021	Task Completed				100%		Tender award on 19 Mar 2021.
	Preparation of subletting package for elect work (C9)	01/08/2020 -> 01/12/2020*	2/2/2021	08/08/20 -> 08/12/2020*	3/1/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. Subletting package resubmitted on 26 Feb 2021 and AECOM accepted on 1 Mar 2021..
	Tender invitation for elect work (C9)	01/08/2020 ->	3/2/2021	15/08/2020 -	3/9/2021	Task Completed				100%		Tender invitation was conducted on 2 Mar 2021 and returned on 9 Mar 2021
	Tender Award for elect work (C9)	08/08/20 ->	3/10/2021	22/08/2020 -	3/15/2021	Task Completed				100%		Tender report was submitted on 15 Mar 2021
	Acceptance of tender award for elect work (C9)	15/08/2020 -> 15/12/2020*	3/15/2021	29/08/2020 - > 29/12/2020*	3/19/2021	Task Completed				100%		Tender award on 19 Mar 2021.
Construction of Temporary Filtrate Equalisation System	Construction of minor civil works under PMI 014	22/08/2020 -> 22/12/2020*	10/5/2020	10/15/2020	3/31/2021	Task Completed				100%	Bestwise	Utilities survey report of lifting well and EQ tank were submitted on 23 Sept 2020 and 29 Sept 2020. AECOM commented lifting well on 29 Sept 2020.
	RC Structure Works of lifting well	11/7/2020	1/12/2021	12/30/2020	2/25/2021	Task Completed				100%		
	Construction of concrete plinth for filtrate EQ tank	1/23/2021	2/8/2021	2/1/2021	2/26/2021	Task Completed				100%		
	Offsite fabrication and delivery of filtrate EQ tank	10/31/2020	1/16/2021	2/2/2021	3/4/2021	Task Completed				100%		First batch of filtrate EQ tank panel was delivered on 4 Mar 2021.
	Onsite assembly of filtrate EQ tank	2/2/2021	3/1/2021	3/12/2021	4/16/2021	Task Completed				100%		
6B.2.16 Temporary Filtrate Equalisation System	Mechanical Installation	3/17/2021	3/30/2021	4/12/2021	5/14/2021	Task Completed				-		
	Electrical Installation	3/13/2021	3/29/2021	4/15/2021	12/10/2021	Task Completed				-		PLC programme for water spray system (stage 1) is on-going, motorized gate valve for stage 2 under PMI is being fabricated and the delivery lead time is by end November.
	Testing and Comissioning	4/15/2021	4/22/2021	5/1/2021	11/30/2022	Completed				-		Defect rectification for BCM comments was partially completed and Site Acceptance Test (72 hours) was completed.
6B.1.17 Overall plant treatment process review by the Treatment Process Specialist	Submission of Treatment Process Specialist's review report	6/1/2020	6/1/2020	6/30/2020	7/2/2020	Task Completed				-	Bestwise	Preliminary Draft submitted, meeting completed on 15 May 2020 with SRE and TPS. Initial process design evaluation was submitted on 20 May 2020. Design calculation submitted on
	Acceptance of submission for further design	6/14/2020	7/3/2020	6/30/2020	7/17/2020	Task Completed				-		
6B Overall plant process equipment sizing review	Submission of Contractor's Design Calculation for	6/1/2020	6/1/2020	6/30/2020	7/2/2020	Task Completed				-	Bestwise	Preliminary Draft submitted, meeting completed on 15 May 2020 with SRE and TPS. Initial
	Acceptance of submission for further detail design	6/14/2020	7/3/2020	6/30/2020	7/17/2020	Task Completed				-		
6B.2.1 Inlet Works	Submission of Contractor's Design for Inlet Works No. 1	9/6/2020	11/16/2020	5/14/2021	12/30/2022	99%				-	Bestwise	All finalized design calculations for Inlet Works no.1 shall be submitted by 30 Dec 2022.
	Submission of P&M Submission	9/6/2020	9/7/2020	5/14/2021	12/30/2022	99%						P&M0022 - Inlet Pumps (status: B) P&M0003 - Coarse Screens & Fine Screens (status: B) P&M0085 - Grit Traps (status: B) P&M0084 - Screw Compactor (status: B) P&M0042 - Screw Conveyors for Coarse Screens and Fine Screens (status: B) All P&M for Inlet Works no.1 shall be submitted by 30 Dec 2022.
	Submission of P&ID Drawing	9/6/2020	9/6/2020	5/14/2021	12/29/2020	Task Completed						PID (rev.B) submitted on 13 Nov 2020. AECOM accepted subject to comments on 29 Dec 2020.
	Submission of GA Drawing	9/6/2020	1/5/2021	5/14/2021	12/30/2022	99%						E&M GA submission DWG0082 resubmitted on 9 July 2021. AECOM commented on 19 Feb 2021. Bestwise reviewed GA in BIM with AECOM on 12 Jan 2022. Electrical GA DWG0095 resubmitted on 3 July 2021. AECOM commented on 21 Apr 2021. Bestwise reviewed GA in BIM with AECOM on 12 Jan 2022. All finalized drawings for Inlet Works no.1 shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 5, 12, 19/5/2022.
	Submission of Electrical Drawing	9/6/2020	1/15/2021	5/14/2021	12/30/2022	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. All finalized drawings for Inlet Works no.1 shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		
	Submission of detailed design for electrical installation for Inlet Works No. 1 (CDS021)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for LV Switchboards for Inlet Works No. 1 (CDS025-1)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						

	Submission of detailed design for electrical installation BS for Inlet Works No. 1 (CDS034-1)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of civil work requirements for Inlet Works No. 1 up to +8.0 mPD (CDS080-1)	9/1/2020	9/1/2020	10/30/2020	10/30/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Inlet Works No. 1 up to +8.0 mPD (First Draft))	7/15/2020	7/15/2020	8/15/2020	9/17/2020	Task Completed	no.	3	3	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for Inlet Works No. 1 up to +8.0 mPD (Final)	8/28/2020	9/18/2020	11/5/2020	11/5/2020	Task Completed	no.	3	3	100%	Bestwise	Bestwise resubmitted (rev.A) on 27 Oct 2020.
	KD1A: Submission of electrical schematic drawings for Inlet Works No. 1 (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for Inlet Works No. 1 (Final)	9/7/2020	10/1/2020	11/5/2020	10/20/2020	Task Completed	no.	2	2	100%	Bestwise	Bestwise submitted on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.2 Primary Sedimentation Tank No. 1-4	Submission of Contractor's Design for Primary Sedimentation Tanks No. 1-4	9/6/2020	12/28/2020	5/14/2021	12/30/2022	99%				-	Bestwise	PFD (rev.B) under DWG0004 submitted on 22 June 2021. Finalized design calculations for PST shall be submitted by 30 Dec 2022.
	Submission of P&M Submission	9/6/2020	11/26/2020	5/14/2021	12/30/2022	99%						P&M0058 - Lamella Plate Settler (status: B) P&M0097 - Scum Skimmer and Scum Collection Pipe (status: C) P&M0086 - Sludge Bottom Scraper (status: C) P&M0051 - Drain Pump (status: C) P&M0044 - Primary Sludge Pump (status: B) Finalized material submissions for PST shall be submitted by 30 Dec 2022.
	Submission of P&ID Drawing	9/6/2020	10/2/2020	5/14/2021	6/24/2021	Task Completed						PID under DWG0037 (rev.1) submitted on 24 June 2021 and is accepted by AECOM.
	Submission of GA Drawing	9/6/2020	2/3/2021	5/14/2021	12/30/2022	99%						Mechanical GA was submitted on 19 Jun 2021. Electrical GA under DWG0103 (rev.1) was submitted on 6 Jul 2021 and is accepted by AECOM. Finalized drawings for PST shall be submitted by 30 Aug 2022.
	Submission of Electrical Drawing	9/6/2020	1/15/2021	5/14/2021	12/30/2022	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Finalized drawings for PST shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	4/2/2021	5/29/2021	12/30/2022	98%				-		Refer to outstanding list under "Certificate of completion no.1 - section 1 of the works".
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for LV Switchboards for Primary Sedimentation Tanks (CDS025-2)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of civil work requirements for Primary Sedimentation Tanks up to +8.0 mPD (CDS080-2)	9/1/2020	9/1/2020	10/30/2020	10/30/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Primary Sedimentation Tanks No. 1-4 up to +8.0 mPD	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	4	4	100%		1st part of drafted drawing (2 nos.) was submitted on 23 Sept 2020. Remaining drawings (2 nos.) were submitted on 30 Sept 2020.
	KD1A: Submission of civil requirement drawing for Primary Sedimentation Tanks No. 1-4 up to +8.0 mPD	8/28/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed	no.	4	4	100%	Bestwise	Bestwise resubmitted (Rev.A) on 27 Oct & 13 Nov 2020.
	KD1A: Submission of electrical schematic drawings for Primary Sedimentation Tanks No. 1-4 (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for Primary Sedimentation Tanks No. 1-4 (Final)	9/7/2020	10/1/2020	11/5/2020	10/20/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise submitted on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.3 Chemical Storage and Dosing System	Submission of Contractor's Design for Chemical Dosing System (CDS006)	9/6/2020	1/7/2021	5/14/2021	10/29/2021	Task Completed				-	Bestwise	Design calculation (rev.0) of CHS1 and TCHS submitted on 2 Sep 2020 and 28 Aug 2020, AECOM commented on 24 Sep and 6 Oct 2020, Bestwise submitted CDS0060 on 15 Jul 2021 and CDS0044 on 19 Jul 2021. Finalized design calculation for chemical systems was submitted on 29 Oct 2021.
	Submission of P&M Submission	9/6/2020	9/6/2020	5/14/2021	10/30/2021	Task Completed						Finalized material submissions for chemical system was submitted on 30 Oct 2021.
	Submission of P&ID Drawing	9/6/2020	12/11/2020	5/14/2021	6/29/2021	Task Completed						PID resubmitted under DWG0053 (rev.1) on 28 Jun 2021, DWG0057 (rev.1) on 29 Jun 2021 and DWG0058 (rev.1) on 29 Jun 2021.

	Submission of GA Drawing	9/6/2020	2/8/2021	5/14/2021	12/30/2022	99%						Electrical GA drawings for CS1 under DWG0096 submitted on 10 April 2021. AECOM accepted subject to comments on 17 Apr 2021. Mechanical GA drawings for CS1 submitted on 1 April 2021. AECOM commented on 24 April 2021. Bestwise resubmitted DWG0093 (rev.1) on 30 Jun 2021 and is accepted by AECOM. Mechanical GA for Temp CS submitted on 12 Jun 2021. All finalized drawings for chemical systems shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 17, 21, 28/4/2022.
	Submission of Electrical Drawing	9/6/2020	1/15/2021	5/14/2021	12/30/2022	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. All finalized drawings for chemical system shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		
	Submission of detailed design for electrical installations	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installations	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installations	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	KD1A: Submission of civil requirement drawing for	7/15/2020	7/15/2020	8/15/2020	9/16/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 15 September for CHS1 and 16 September 2020 for
	KD1A: Submission of civil requirement drawing for	9/7/2020	9/17/2020	11/5/2020	11/5/2020	Task Completed	no.	2	2	100%		Bestwise resubmitted (Rev.A) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/15/2020	Task Completed				-		1st draft of drawing to be submitted by 16 September 2020
	KD1A: Submission of electrical schematic drawings for Chemical System No. 1 and No. 2 (Final)	9/7/2020	9/16/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Temporary Chemical System up to +8.0 mPD (First	7/15/2020	7/15/2020	8/15/2020	9/15/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 15 September 2020
	KD1A: Submission of civil requirement drawing for Temporary Chemical System up to +8.0 mPD (Final)	9/7/2020	9/16/2020	11/5/2020	11/5/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (Rev.A) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for Temporary Chemical System (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/15/2020	Task Completed				-		1st draft of drawing to be submitted by 16 September 2020
	KD1A: Submission of electrical schematic drawings for	9/7/2020	9/16/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.4 Membrane Bioreactor (MBR) System - Bio Reactor 2A and 2B	Submission of Contractor's Design for Bioreactor 2A and 2B (CDS004)	9/6/2020	1/12/2021	5/14/2021	12/30/2022	99%				-	Bestwise	PFD (rev.1) submitted on 3 Nov 2020. AECOM accepted on 7 Dec 2020 subject to comment. MBR system process and design calculation (rev.2) submitted on 6 Nov 2020. AECOM accepted on 17 Nov 2020 subject to comments. Electrical CDS submitted on 23 Jun 2021. Finalized design calculations shall be submitted by 30 Dec 2022.
	Submission of P&M Submission	9/6/2020	11/26/2020	5/14/2021	12/30/2022	99%						P&M0060 - Pre-treatment Fine Screen (status: B) P&M0053 - MLR Pump (status: B) P&M0118 - Scum Skimmer & Scum Pump (status: C) P&M0088 - Fine Bubble Air Diffuser (status: B) P&M0xxx - Wash Compactor (status: B) P&M0041 - Submersible Mixer (status: B) Finalized material submission shall be submitted by 30 Dec 2022.
	Submission of P&ID Drawing	9/6/2020	11/2/2020	5/14/2021	7/2/2021	Task Completed						PID (Rev.1) under DWG0042 resubmitted on 6 July 2021.
	Submission of GA Drawing	9/6/2020	2/17/2021	5/14/2021	12/30/2022	99%						Mechanical GA under DWG0132 submitted on 26 Jun 2021 and is accepted by AECOM. Electrical GA submitted on 23 Jun 2021. Finalized drawing shall be submitted by 30 June 2022. BIM GA review meeting is scheduled on 1, 8, 15/6/2022.
	Submission of Electrical Drawing	9/6/2020	1/15/2021	5/14/2021	12/30/2022	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Finalized drawing shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		Refer to outstanding list under "Certificate of completion no.1 - section 1 of the works".
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for LV Switchboards for BR 2A and 2B (CDS025-3)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of civil work requirements for BR 2A and 2B up to +8.0 mPD (CDS080-3)	9/1/2020	9/1/2020	10/30/2020	10/30/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for BR 2A and 2B up to +8.0 mPD (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of civil requirement drawing for BR 2A and 2B up to +8.0 mPD (Final)	8/28/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed	no.	2	2	100%	Bestwise	AECOM commented on 23 Oct 2020, Bestwise resubmitted on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for BR 2A and 2B (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed				-		1st draft of drawing was sent to AECOM via email on 15 September 2020
	KD1A: Submission of electrical schematic drawings for	9/7/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.4 Membrane Bioreactor (MBR) System - Membrane Filtration System No. 2 (MFB No. 2)	Submission of Contractor's Design for Membrane Filtration System (CDS005)	9/6/2020	1/11/2021	5/14/2021	12/30/2022	99%				-	Bestwise	PFD (rev.1) submitted on 3 Nov 2020. AECOM accepted on 10 Dec 2020 subject to comment. MBR system process and design calculation (rev.2) submitted on 6 Nov 2020. AECOM accepted on 17 Nov 2020 subject to comments. Finalized design calculations shall be submitted by 30 Aug 2022.

	Submission of P&M Submission	9/6/2020	11/19/2020	5/14/2021	12/30/2022	99%						P&M0072 - Membrane Module (status: B) P&M0069 - Permeate Pump (status: B) P&M0047 - RAS Pump (status: B) P&M0050 - Drain Pump (status: B) P&M0074 - Air Scour Blower (status: C) P&M0073 - Aeration Blower (status: C) P&M0093 - Air Compressor (status: C) P&M0091 - Chemical Pump (status: B) P&M0xxx - Chemical Tank (to be submitted) Finalized material submission shall be submitted by 30 Dec 2022.
	Submission of P&ID Drawing	9/6/2020	10/30/2020	5/14/2021	7/2/2021	Task Completed						DWG0049 (Rev.1) was resubmitted on 2 Jul 2021.
	Submission of GA Drawing	3/31/2021	2/18/2021	5/14/2021	12/30/2022	99%						DWG0121 (rev.1) was resubmitted to AECOM on 17 Jul 2021 Finalized drawings shall be submitted by 30 June 2022. BIM GA review meeting is scheduled on 19, 26/5/2022 and 2/6/2022 (Lower part) BIM GA review meeting is scheduled on 16, 23, 30/6/2022 (Upper part)
	Submission of Electrical Drawing	4/15/2021	1/15/2021	5/14/2021	12/30/2022	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Electrical GA under DWG0079 (rev.1) was resubmitted on 8 Jul 2021. Finalized drawings shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for LV Switchboards for	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installation BS for MFB (CDS034-4)	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of civil work requirements for MFB up to	9/1/2020	9/1/2020	9/30/2020	9/30/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	7	7	100%		1st draft of drawing submitted on 30 September
	KD1A: Submission of civil requirement drawing for MFB No. 2 up to +8.0 mPD (Final)	8/28/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed	no.	7	7	100%	Bestwise	Bestwise resubmitted (Rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed	no.	3	3	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for MFB No. 2 (Final)	9/7/2020	10/1/2020	11/5/2020	10/20/2020	Task Completed	no.	3	3	100%	Bestwise	Bestwise submitted (Rev.1) on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.6 Deodorisation System (EQT-001 - Deodorization Unit)	Tender invitation (C11)	4/17/2020	4/17/2020	4/24/2020	4/24/2020	Task Completed				100%		
6B.2.6 Deodorisation System (EQT-001 - Deodorization Unit)	Tender award (C11)	4/25/2020	4/25/2020	5/12/2020	5/12/2020	Task Completed				100%	Bestwise	Bestwise submitted tender report on 13 May 2020. AECOM commented on 23 July 2020, Bestwise to resubmit.
	Acceptance of tender award (C11)	5/13/2020	5/13/2020	5/21/2020	5/21/2020	Task Completed				100%		
	Submission of Contractor's Design for Deodorisation System , DOU No. 1 (CDS0019 & CDS0045)	9/6/2020	9/6/2020	5/14/2021	12/31/2021	Task Completed				-		Design Calculation (Rev.0) was submitted on 24 Nov 2020. AECOM commented on 6 Jan 2021, Bestwise to resubmit. Bestwise submitted CDS0045 on 3 June 2021. Finalized design was completed.
	Submission of P&ID Drawing of DOU No. 1	9/6/2020	8/5/2020	5/14/2021	7/2/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 1	9/6/2020	9/6/2020	5/14/2021	12/30/2022	99%						GA submitted on 21 Jun 2021 Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 11, 18, 25/5/2022.
	Submission of Electrical Drawing of DOU No. 1	3/21/2021	1/30/2021	5/14/2021	12/30/2022	99%						Control wiring diagrams was resubmitted on 1 April 2021. AECOM commented on 23 Apr 2021. Bestwise to resubmit. Finalized drawings shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 1 up to +8.0 mPD (First Draft)	7/15/2020	7/15/2020	8/15/2020	9/28/2020	Task Completed	no.	1	1	100%		1st draft of drawing was submitted on 28 September 2020
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 1 up to +8.0 mPD (Final)	8/28/2020	9/29/2020	11/2/2020	11/5/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise resubmitted (rev.1) on 5 Nov 2020.
	Submission of Contractor's Design for Deodorisation System , DOU No. 2A (CDS0019 & CDS0048)	9/6/2020	9/6/2020	5/14/2021	12/10/2021	Task Completed				-		CDS0019: Design Calculation for Deodorisation System (status: B) CDS0048: Design Calculation on DOU2A - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 2A	9/6/2020	8/5/2020	5/14/2021	7/2/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 2A	9/6/2020	8/3/2020	5/14/2021	12/30/2022	99%				-	Bestwise	Bestwise submitted (rev.1) on 30 Nov 2020. AECOM commented on 16 Dec 2020. Bestwise to resubmit. Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 1, 8, 15/6/2022.
	Submission of Electrical Drawing of DOU No. 2A	3/21/2021	1/26/2021	5/14/2021	12/30/2022	99%						Bestwise submitted (rev.0) on 26 Jan 2021, AECOM commented on 4 Feb 2021. Bestwise to resubmit. Finalized drawing shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		

	Submission of Contractor's Design for Deodorisation System , DOU No. 3A (CDS0019 & CDS0055)	9/6/2020	9/6/2020	5/14/2021	12/10/2021	Task Completed				-		CDS0019: Design Calculation for Deodorisation System (status: B) CDS0055: Design Calculation on DOU3A - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 3A	9/6/2020	8/5/2020	5/14/2021	7/2/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 3A	9/6/2020	7/8/2020	5/14/2021	12/30/2022	99%				-	Bestwise	Bestwise submitted (rev.1) on 28 Oct 2020. AECOM commeneted on 16 Dec 2020. Bestwise resubmitted on 24 June 2021. Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 27/4/2022, 4, 11/5/2022.
	Submission of Electrical Drawing of DOU No. 3A	3/21/2021	2/26/2021	5/14/2021	12/30/2022	99%						Bestwise submitted on 17 Apr 2021. AECOM commented on 27 Apr 2021. Bestwise to resubmit. GA submitted on 24 Jun 2021 Finalized drawing shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%						
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 3A up to +8.0 mPD	7/15/2020	7/15/2020	8/15/2020	9/28/2020	Task Completed	no.	1	1	100%		1st draft of drawing was submitted on 28 September 2020
	KD1A: Submission of civil requirement drawing for	8/28/2020	9/29/2020	11/2/2020	11/5/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise resubmitted (rev.1) on 5 Nov 2020.
	Submission of Contractor's Design for Deodorisation System , DOU No. 3B (CDS0019 & CDS0049)	9/6/2020	9/6/2020	5/14/2021	12/10/2021	Task Completed						CDS0019: Design Calculation for Deodorisation System (status: B) CDS0049: Design Calculation on DOU3B - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 3B	9/6/2020	8/5/2020	5/14/2021	7/2/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 3B	9/6/2020	9/6/2020	5/14/2021	12/30/2022	99%						Bestwise submitted DWG0081 (rev.0) on 5 Feb 2021. AECOM commeneted on 12 Mar 2021. Bestwise to resubmit. Finalized drawings shall be submitted by 30 June 2022 and BIM GA revew meeting is scheduled on 16, 23, 30/6/2022.
	Submission of Electrical Drawing of DOU No. 3B	3/21/2021	2/22/2021	5/14/2021	12/30/2022	99%						GA submitted on 24 Jun 2021 Finalized drawing shall be submitted by 30 Dec 2022.
	Acceptance of submission	5/15/2021	5/15/2021	5/29/2021	12/30/2022	98%				-		
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for LV Switchboards for	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of detailed design for electrical installation	9/6/2020	9/6/2020	5/14/2021	5/14/2021	Task Completed						
	Submission of civil work requirements for MFB up to	9/1/2020	9/1/2020	9/30/2020	9/30/2020	Task Completed						
	Submission of civil requirement drawing for MFB up to	8/28/2020	8/28/2020	11/2/2020	11/2/2020	Task Completed						
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed				-		1st draft of drawing to be submitted by 30 September 2020
	KD1A: Submission of electrical schematic drawings for	9/7/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
04SC008 - Design, Supply and Installation of detailed design for lifting appliances	Acceptance of tender award (C9)	-	-	-	7/6/2020	Task Completed				100%	-	AECOM accepted tender report on 6 July 2020.
	Submission of detailed design for lifting appliances for Inlet Works No. 1 (CDS050-1)	9/6/2020	12/5/2020	9/6/2020	12/30/2022	99%						DWG 0055 (Rev.0) was submitted on 13 Mar 2021. AECOM commented on 20 Apr 2021. Bestwise to resubmit. Bestwise submitted P&M0025 on 15 June 2021. Finalized design shall be submitted by 30 Dec 2022.
	Submission of detailed design for lifting appliances for Primary Sedimentation Tanks (CDS050-2)	9/6/2020	12/5/2020	9/6/2020	12/30/2022	99%						DWG 0054 (Rev.0) was submitted on 18 Jan 2021. AECOM commented on 9 Mar 2021. Bestwise to resubmit. Finalized design shall be submitted by 30 Dec 2022.
	Submission of detailed design for lifting appliances for BR 2A and 2B (CDS050-3)	9/6/2020	12/5/2020	9/6/2020	12/30/2022	99%						DWG 0065 (Rev.0) was submitted on 18 Jan 2021. AECOM commented on 9 Mar 2021. Bestwise to resubmit. P&M-0026 (Rev.1) received status B. Finalized design calculation shall be submitted by 30 Dec 2022.
	Submission of detailed design for lifting appliances for MFB (CDS050-4)	9/6/2020	12/5/2020	9/6/2020	12/30/2022	99%						DWG 0066 (Rev.1) was submitted on 1 Mar 2021. AECOM commented on 5 Mar 2021. Bestwise to resubmit. P&M-0027 (Rev.1) received status B. Finalized design calculation shall be submitted by 30 Dec 2022.
	Submission of detailed design for lifting appliances for Temporary Filtration Tank (CDS050-5)	9/6/2020	12/5/2020	9/6/2020	5/21/2021	Task Completed						DWG 0051 (Rev.2) was resubmitted on 7 May 2021 and acceptance by AECOM subject to condition on 21 May 2021. Bestwise submitted P&M0021 on 21 June 2021.
Building Services System	Submission for MVAC system	N/A	12/10/2020	N/A	12/30/2022	99%						Design calculations and drawings for inlet works was submitted on 16 Dec 2020. AECOM commented on 15 Jan 2021 and 20 Jan 2021. Design calculations and drawings for PST was submitted on 30 Dec 2020. AECOM commented on 22 Jan 2021 and 26 Jan 2021. Design calculations and drawings for MFB2 was submitted on 29 Jan 2021. AECOM commented on 26 Mar 2021. Subletting package resubmitted by 18 Mar 2021. AECOM accepted on 19 Mar 2021. Finalized design shall be submitted by 30 Dec 2022.
	Submission for Fire Services System	N/A	3/15/2021	N/A	12/30/2022	98%						Subletting Package to be resubmitted by 31 Mar 2021. AECOM accepted on 9 Apr 2021. Drawings: Inlet Works: submitted on 8 June 2021. PST 1-4: submitted on 23 Jun 2021 BR2A &2B: submitted on 8 Jun 2021 MFB 2: submitted on 8 Jun 2021 Finalized design shall be submitted by 30 Dec 2022.

	Submission for Plumbing and Drainage System	N/A	3/15/2021	N/A	12/30/2022	98%						Subletting Package resubmitted by 10 Mar 2021. AECOM accepted on 12 Mar 2021. Tender invitation was conducted on 15 Mar 2021 and closed on 26 Mar 2021. Finalized design shall be submitted by 30 Dec 2022.
	Submission for Electrical Services System	N/A	12/10/2020	N/A	12/30/2022	99%						GA for lighting was submitted on 18 Dec 2020. AECOM commented on 6 Jan 2021. Bestwise to resubmit. GA for small power system was submitted in 8 Feb 2021. AECOM commented on 3 Mar 2021. Bestwise to resubmit. Finalized design shall be submitted by 30 Dec 2022.
	Submission of ELV system	N/A	1/8/2021	N/A	12/30/2022	99%						GA for CCTV was resubmitted on 16 Mar 2021. AECOM commented on 30 Mar 2021. Bestwise resubmitted on 25 Jun 2021. Finalized design shall be submitted by 30 Dec 2022.
	Submission for PV system	N/A	3/15/2021	N/A	12/30/2022	98%						Tender package was submitted to AECOM. Finalized design shall be submitted by 30 Dec 2022.
SCADA System & PMS	Submission for SCADA system	N/A	2/11/2021	N/A	12/30/2022	99%						Revised SCADA structure was provided via email on 9 Apr 2021 and tender package is under preparation. Finalized design shall be submitted by 30 Dec 2022.
	Submission for PMS system	N/A	3/8/2021	N/A	12/30/2022	98%						Tender package to be resubmitted on 29 June 2021. Finalized design shall be submitted by 30 Dec 2022.
	Submission for CMMS & IDMS system	N/A	6/1/2021	N/A	12/30/2022	98%						Finalized design shall be submitted by 30 Dec 2022.
Section 2 of Works												
Street Fire Hydrant Pump Room	KD1A: Submission of civil requirement drawing for	7/15/2020	7/15/2020	8/15/2020	9/17/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for	8/28/2020	9/18/2020	11/2/2020	11/5/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed						1st draft of drawing to be submitted by 30 September 2020
	KD1A: Submission of electrical schematic drawings for	9/7/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
FS & Sprinkler Pump Room	KD1A: Submission of civil requirement drawing for FS	7/15/2020	7/15/2020	8/15/2020	9/17/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for FS	8/28/2020	9/18/2020	11/2/2020	11/5/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/30/2020	Task Completed						
	KD1A: Submission of electrical schematic drawings for	9/7/2020	10/1/2020	11/5/2020	11/5/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
Emergency Generator House	KD1A: Submission of civil requirement drawing for Emergency Generator House up to +8.0 mPD (First	7/15/2020	7/15/2020	8/15/2020	9/18/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 18 September 2020
	KD1A: Submission of civil requirement drawing for Emergency Generator House up to +8.0 mPD (Final)	8/28/2020	9/19/2020	11/2/2020	11/5/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	7/15/2020	7/15/2020	8/15/2020	9/30/2020							
	KD1A: Submission of electrical schematic drawings for Street Fire Hydrant Pump Room (Final)	9/7/2020	10/1/2020	11/5/2020	11/5/2020							
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
Lightning Protection System for DOU3A (underground)	Submission and Acceptance for Lightning Protection System Design	12/6/2021	12/6/2021	1/31/2022	1/31/2022	Task Completed						
	Material Delivery	2/7/2022	2/7/2022	2/28/2022	2/28/2022	Task Completed						Material Delivery was by End Feb 2022.
	Installation Work	3/31/2022	4/26/2022	5/5/2022	5/5/2022	Task Completed						The installation work was completed on 5 May 2022.
	Testing & Commissioning	1/7/2023	1/7/2023	1/31/2023	1/31/2023							
Lightning Protection System for Inlet Works (underground)	Submission and Acceptance for Lightning Protection System Design	12/20/2021	12/20/2021	1/31/2022	1/31/2022							
	Material Delivery	12/15/2022	10/1/2022	3/31/2022	10/31/2022							
	Installation Work	3/15/2022	11/1/2022	10/30/2022	12/14/2022							Underground works subject to site coordination with JV.
	Testing & Commissioning	11/1/2022	12/15/2022	11/15/2022	12/31/2022							
Section 3 of Works												
6B.2.12 Provision of New Replacement Filter Plates	Submission of onsite survey plan for acceptance	3/1/2020	3/25/2020	3/30/2020	4/21/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 21 April 2020
	Acceptance of submission of onsite survey plan	3/1/2020	3/25/2020	3/30/2020	5/12/2020	Task Completed				100%	-	Survey plan acceptance received on 12 May 2020. Onsite discussion with ST1 was
	Submission of onsite survey report	5/21/2020	5/21/2020	5/29/2020	5/29/2020	Task Completed				100%		
	Acceptancce of onsite survey report	5/30/2020	5/30/2020	6/15/2020	6/15/2020	Task Completed				-		
	Preparation of procurement package (C11)	6/22/2020	6/22/2020	7/6/2020	7/14/2020	Task Completed				100%		
	Tender invitation (C11)	7/15/2020	7/15/2020	7/22/2020	7/24/2020	Task Completed				100%		
	Tender Award (C11)	7/23/2020	7/25/2020	7/29/2020	7/31/2020	Task Completed				100%		Revised survey report (second draft) was sent to AECOM on 21 Oct 2020. Technical
6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Submission	8/21/2020	8/21/2020	8/28/2020	12/7/2020	Task Completed				100%		Material submission (Rev.1) resubmitted on 7 Dec 2020. AECOM accepted subject to comments on 24 Dec 2020. Material submission (Rev. 2) resubmitted on 12 Jan 2021. AECOM accepted subject to comment on 22 Jan 2021.

6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Delivery	12/1/2020	12/1/2020	8/8/2021	7/13/2021	Task Completed				-		Handed over to DSD.
	Completion Date of Section 3: 22 September 2021											
Subcontracting												
	Submission of subletting package for acceptance	1/1/2020	3/6/2020	3/30/2020	3/6/2020	Task Completed				100%	-	
	Acceptance of subletting package	3/1/2020	3/21/2020	3/30/2020	3/21/2020	Task Completed				100%	-	
	Tender invitation	3/1/2020	3/24/2020	4/1/2020	3/30/2020	Task Completed				100%	-	
	Tender award	3/22/2020		4/14/2020	4/6/2020	Task Completed				100%	-	Bestwise submitted tender report on 6 April 2020
	Acceptance of tender award	-	-	-	4/15/2020	Task Completed				100%		AECOM accepted tender report on 15 April 2020
Construction of *Contractor*'s site accommodation in WA1-C	Design of MiC	4/15/2020	4/16/2020	6/1/2020	8/15/2020	Task Completed				100%		Revised layout drawings received from AluHouse on 28 May 2020. Comments provided to AluHouse on 2 June 2020.
	Submission of detailed design including foundation works, septic tank	7/1/2020	7/1/2020	7/14/2020	9/4/2020	Task Completed				100%		Design calculation of foundation work was submitted on 7 July 2020, comment received on 27 July 2020. Bestwise to resubmit.
	Site Clearence Work	7/15/2020	7/20/2020	7/31/2020	8/15/2020	Task Completed				100%		Tender invitation commenced on 29 May 2020 and tenders received on 4 June 2020. Tender
	Off-site fabrication of Septic tank	7/15/2020	7/20/2020	7/31/2020	7/31/2020	Task Completed				100%		Site clearence work started on 20 July 2020
	Submission of method statement with ICE certificate	8/1/2020	8/1/2020	8/7/2020	10/8/2020	Task Completed				100%		CV of ICE was submitted on 4 August 2020 and accepted on 25 August 2020
	Submission of design calculation with ICE certificate	8/1/2020	8/1/2020	8/7/2020	10/8/2020	Task Completed				100%		Design calculation of foundation work was submitted on 7 July 2020, comment received on
	Acceptance of method statement and design calculation	8/8/2020	10/9/2020	8/14/2020	10/16/2020	Task Completed				100%		Method Statement and Design Calculation was submitted on 8 Oct 2020.
	Submission of method statement with ICE certificate	8/1/2020	8/1/2020	8/7/2020	11/23/2020	Task Completed				100%		
	Submission of design calculation with ICE certificate	8/1/2020	8/1/2020	8/7/2020	11/23/2020	Task Completed				100%		
	Acceptance of method statement and design calculation	8/8/2020	11/24/2020	8/14/2020	11/27/2020	Task Completed				100%		
	Excavation work	8/17/2020	10/21/2020	8/18/2020	10/21/2020	Task Completed				100%		
	Installation of septic tank	8/19/2020	10/21/2020	8/20/2020	10/22/2020	Task Completed				100%		
	Construction of RC foundation	8/21/2020	10/23/2020	8/31/2020	11/12/2020	Task Completed				100%		
	Off-site fabrication and delivery of MiC Office	6/1/2020	9/30/2020	7/31/2020	12/4/2020	Task Completed				100%		
	On-site installation of MiC Office	8/1/2020	12/4/2020	8/30/2020	1/5/2021	Task Completed				100%		
	Installation of car park shelter	1/4/2021	1/7/2021	1/11/2021	1/9/2021	Task Completed				100%		Subject to the completion of car park shelter of PM office and JEC office.
04SC003 - Building Information Modeling (BIM)	Submission of subletting package for acceptance (C9)	3/1/2020	3/25/2020	3/14/2020	3/25/2020	Task Completed				100%	-	
	Acceptance of subletting package (C9)	3/14/2020	4/2/2020	3/30/2020	4/2/2020	Task Completed				100%	-	
	Tender invitation (C9)	4/1/2020	4/1/2020	4/8/2020	4/9/2020	Task Completed				100%	-	
	Tender award (C9)	-	-	-	4/15/2020	Task Completed				100%	-	Bestwise submitted tender report on 15 April 2020
	Submission of subletting package for acceptance	3/14/2020	3/16/2020	3/30/2020	4/20/2020	Task Completed				100%	-	Bestwise resubmitted on 20 April 2020
	Acceptance of subletting package	3/28/2020	5/4/2020	4/13/2020	5/13/2020	Task Completed				100%	-	AECOM accepted subletting package on 13 May 2020
	Tender invitation	4/11/2020	6/19/2020	4/27/2020	6/26/2020	Task Completed				-		Invitation to tender was commenced on 19 June 2020 and tender returned on 26 June 2020
	Tender award	4/25/2020	6/27/2020	5/11/2020	7/4/2020	Task Completed				-		Bestwise submitted tender report on 30 June 2020
	Acceptance of tender award	-	-	-	7/18/2020					-		
04SC007 - Independent Beam Plus Consultant	Submission of subletting package for acceptance	3/1/2020	3/30/2020	3/14/2020	3/30/2020	Task Completed				100%	-	
	Acceptance of subletting package	3/14/2020	4/3/2020	3/30/2020	4/3/2020	Task Completed				100%	-	
	Tender invitation	3/30/2020	3/30/2020	4/9/2020	4/9/2020	Task Completed				100%	-	
	Tender award	-	-	-	4/15/2020	Task Completed				100%	-	Bestwise submitted tender report on 15 April 2020
	Acceptance of tender award	-	-	-	4/17/2020	Task Completed				100%	-	AECOM accepted tender report on 17 April 2020
	Introduction meeting with IBPC, Cinotech	-	-	-	4/28/2020	Task Completed				100%	-	Meeting completed on 28 April 2020 followed by planning work progress
04SC008 - Design, Supply and Installation of detailed	Submission of subletting package for acceptance (C9)	4/1/2020	3/17/2020	4/14/2020	3/17/2020	Task Completed				100%	-	Bestwise submitted subletting package on 3 April 2020
	Acceptance of subletting package (C9)	4/14/2020	4/17/2020	4/30/2020	4/28/2020	Task Completed				100%	-	AECOM accepted subletting package on 28 April 2020
	Tender invitation (C9)	4/30/2020	5/6/2020	5/14/2020	5/28/2020	Task Completed				100%	-	Invitation to tender was commenced on 6 May 2020 and tender returned on 28 May 2020
	Tender award (C9)	5/14/2020	5/29/2020	5/30/2020	6/9/2020	Task Completed				100%	-	Bestwise submitted tender report on 9 June 2020.
Temporary Primary Sludge Thickener and its	Submission of subletting package (C9) for acceptance	15/05/2020 ->	8/14/2020	15/05/2020 -	8/27/2020	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020.
	Acceptance of subletting package (C9) (Mech)	30/05/2020 -> 30/7/2020*	8/15/2020	15/06/2020-> 15/8/2020*	9/16/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
	Tender invitation (C9) (Mech)	15/06/2020-> 15/8/2020*	9/9/2020	22/06/2020-> 22/8/2020*	10/14/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender invitation for FRP Tank was conducted on 9 Sep 2020, tender returned on 16 Sep 2020. - Tender invitation for mechanical installation was conducted on 29 Sept 2020, tender returned on 14 Oct 2020,

Tender award (C9) (Mech)	22/06/2020-> 22/8/2020*	9/17/2020	29/06/2020-> 29/8/2020*	10/22/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender report for FRP Tank was submitted on 24 Sep 2020 and accepted on 9 Oct 2020. - Tender report for mechanical installation submitted on 22 Oct 2020 and accepted on 16 Nov 2020.
Acceptance of tender award (C9) (Mech)	-	-	-	11/16/2020	Task Completed				100%		
Submission of subletting package (C9) for acceptance (Elect)	15/05/2020 -> 15/7/2020*	12/9/2020	15/05/2020 -> 30/11/2020*	1/28/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Bestwise resubmitted subcontracting package of electrical installation on 28 Jan 2021
Acceptance of subletting package (C9) (Elect)	30/05/2020 -> 30/7/2020*	1/29/2021	15/06/2020-> 15/8/2020*	2/1/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
Tender invitation (C9) (Elect)	15/06/2020-> 15/8/2020*	2/1/2021	22/06/2020-> 22/8/2020*	2/11/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender invitation commenced on 1 Feb 2021 and returned on 11 Feb 2021
Tender award (C9) (Elect)	22/06/2020-> 22/8/2020*	2/11/2021	29/06/2020-> 29/8/2020*	2/23/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender report target submitted on 23 Feb 2021 and accepted on 24 Feb 2021
Acceptance of tender award (C9) (Elect)	-	-	-	2/26/2021	Task Completed				100%		
Tender invitation (C11)	30/04/2020-> 15/07/2020*	4/30/2020	30/06/2020-> 15/09/2020*	11/18/2020	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. -Tender invitation of Primary Sludge Thickener commenced on 22 April 2020 and tender was received on 29 April 2020. Tender queries was requested on 5 May 2020 and received on 7 May 2020. Tender report was commented by PM and resubmitted on 22 May 2020. Accepted by AECOM on 12 Jun 2020. - Tender Invitation of process pumps for the thickening system was commenced on 5 Jun 2020 and tenders were received on 10 June 2020. Tender report submitted to PM on 2 July 2020. - Tender Invitation of activated carbon filter was commenced on 22 Oct 2020 and to be returned on 2 Nov 2020. Tender report submitted on 5 Nov 2020 and accepted on 16 Nov 2020 - Tender Invitation of FRP platform was commenced on 13 Nov 2020 and to be returned on 20 Nov 2020. Tender report submitted on 30 Nov 2020 and accepted on 11 Jan 2020 - Tender Invitation of instrument was commenced on 18 Nov 2020 and to be returned on 25 Nov 2020. Tender report submitted on 30 Nov 2020 - Based on the control philosophy agreed on 23 Dec 2020, motorized and solenoid valves were selected.
Tender award (C11)	15/05/2020-> 29/07/2020*	5/30/2020	15/07/2020->	11/30/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
Acceptance of tender award (C11)	-	-	-	9/18/2020					-		
Design Submission	03/07/2020 -> 15/07/2020*	8/5/2020	21/09/2020-> 02/10/2020*	5/10/2021	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. -Design submission of Process Pumps (Rev.3) resubmitted on14 Apr 2021, AECOM accepted with comments on 7 May 2021. -Design submission of electrical calculation (rev.2) was resubmitted on 29 Apr 2021. AECOM accepted with comments on 10 May 2021. -Control Philosophy (Rev.2) resubmitted on 5 Mar 2021. AECOM accepted subject to comments on 26 Mar 2021.
Plant and Material Submission	21/07/2020 -> 30/07/2020*	7/21/2020	31/08/2020 -> 31/10/2020*	6/30/2021	Task Completed					Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Plant and Material submission of primary sludge thickener was resubmitted on 1 Sep 2020 (Rev. 3) and AECOM accepted on 8 Sep 2020. - Plant and Material submission P&M0002 (Rev.2) of process pumps was submitted on 5 August 2020 and AECOM commented on 26 Aug 2020, Bestwise to re-submitted to AECOM. - Plant and Material submission (Rev.0) for valves was submitted on 16 Nov 2020. AECOM accepted on 14 Dec 2020 subject to comments - Plant and Material submission (Rev.1) for DI pipes and fittings was resubmitted on 3 Dec 2020. AECOM accepted on 14 Dec 2020 - Plant and Material submission (Rev.0) for primary sludge equalization tank was submitted on 5 Feb 2021. AECOM accepted subject to comments on 25 Feb 2021. - Plant and Material submission (Rev.0) for activated carbon filter was submitted on 28 Jan 2021. AECOM accepted subject to comments on 5 Feb 2021. - Plant and Material submission (Rev. 1) for instruments was resubmitted on 13 Mar 2021. AECOM accepted subject to comments on 7 Apr 2021.
Drawing Submission	03/07/2020 -> 30/07/2020*	8/3/2020	21/09/2020 -> 21/11/2020*	2/10/2021	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - PFD, P&ID, Schematic GA (Rev.3) resubmitted on 22 Jan 2021 according to the finallized control philosophy. AECOM accepted subject to comment on 29 Jan 2021. - Electrical drawing - Bestwise resubmitted electrical drawing (Rev.5) on 22 Mar 2021. AECOM accepted on 16 Apr 2021.

	Material Manufacturing	31/07/2020 -> 30/09/2020*	8/4/2020	21/10/2020 -> 21/12/2020*	4/20/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Manufacturing instruction of PS thickener was issued on 3 August 2020. - Manufacturing instruction of process pumps was issued on 24 September 2020 - Electrical sub-contractor is awarded and manufacturing LCP
	Material Delivery	05/09/2020 ->	11/4/2020	16/11/2020 -	6/21/2021	Task Completed						
	Mechanical Installation	01/10/2020 -> 01/12/2020*	2/2/2021	15/11/2020 -> 15/01/2021*	5/17/2021	Task Completed				-		
	Offsite Fabrication and Delivery of FRP Tank		1/16/2021		4/7/2021	Task Completed				100%		First batch to be delivered on 23 Mar 2021
	Onsite Installation of FRP Tank		4/7/2021		7/30/2021	Task Completed						Water filling to tank completed; Tank hydraulic test completed.
	Electrical Installation	01/10/2020 -> 01/12/2020*	3/19/2021	15/11/2020 -> 15/01/2021*	7/19/2021	Task Completed				-		Energize of all LCPs on 24 May 2021 and isolated prior to system commissioning.
Temporary Primary Sludge Thickener and its accessories (Sub-programme was provided by Bestwise)	Testing and Comissioning	15/11/2020 -> 15/01/2021*	5/8/2021	22/11/2020 -> 22/01/2021*	9/30/2022	Completed				-		Improvement works under PMI are on-going and defect rectification for BCM comments was partially completed. - Testing and Commissioning (3 x 24hrs) completed by End September.
Modification of Existing Emergency Generator Electrical Works	Submission of subletting package (C9) for acceptance	10/15/2020	10/15/2020	10/31/2020	12/11/2020	Task Completed				100%		
	Acceptance of subletting package (C9)	11/1/2020	11/5/2020	11/15/2020	1/2/2021	Task Completed				100%		
	Tender invitation (C9)	11/16/2020	1/26/2021	11/30/2020	2/5/2021	Task Completed				100%		Tender invitation commenced on 26 Jan 2021, and returned on 5 Feb 2021
	Tender award (C9)	11/30/2020	2/18/2021	12/7/2020	2/18/2021	Task Completed				100%		Tender report was submitted on 18 Feb 2021 and accepted on 26 Feb 2021
	Acceptance of tender award (C9)	12/8/2020	2/18/2021	12/15/2020	2/26/2021	Task Completed				100%		
	Design Submission	12/15/2020	3/15/2021	1/15/2021	4/23/2021	Task Completed				100%		DWG-0100 was submitted on 23 Apr 2021. AECOM accepted with comments on 30 Apr
	Transportation of existing dismantled genset no. 2 (Genset No.2) to subcontractor (Click Ltd.)'s workshop	3/9/2021	3/9/2021	3/9/2021	3/9/2021	Task Completed				100%		
	Drawing submission (Drawing of General Layout for Existing 600kVA Genset Container)	4/23/2021	4/23/2021	4/30/2021	4/30/2021	Task Completed				100%		
	Drawing submission (Cable route ,general arrangement, etc)	5/14/2021	5/28/2021	5/21/2021	5 July 2021	Task Completed				100%		
	Material submission P431 P&M-0087	21 May 2021	19 June 2021	28 May 2021	12 July 2021	Task Completed				100%		
	Fabrication of container at PRC	21 June 2021	21 June 2021	TBC	8/12/2021	Task Completed				100%		
	Container deliver to HK	TBC	8/12/2021	8/10/2021	8/12/2021	Task Completed				100%		
	Off site modification work at HK factory	TBC	8/16/2021	8/24/2021	8/24/2021	Task Completed				100%		
	FAT plan of modified Genset No.2 P431 MS-036	7/12/2021	7/12/2021	8/20/2021	8/20/2021	Task Completed				100%		
	FAT of Genset No.2 after modification works	8/25/2021	8/25/2021	8/25/2021	8/25/2021	Task Completed				100%		
	Installation Work of I-beam Support	8/26/2021	8/26/2021	8/26/2021	8/26/2021	Task Completed				100%		
	Transportation of Genset No. 2 to existing power house in SWHSTW and completion of the Genset No.2 installation on I-beam supporting frame	8/27/2021	8/27/2021	8/27/2021	8/27/2021	Task Completed				100%		
	Provision of one (1) can of 160L diesel and a diesel hand pump placed at diesel daily tank of Genset No.1 for standby top up (PPMI-012 item L) Location to be coordinated and advised by SWHSTW operator DSD/ST1	7/27/2021	7/27/2021	8/31/2021								Location to be further coordinated with DSD.
	Modification works of existing switchboard	9/1/2021	9/1/2021	9/8/2021	9/8/2021	Task Completed				100%		
	Cables (including control cable and power cables) laying and installation of cable containment, busbar chamber	7/21/2021	7/30/2021	9/8/2021	9/8/2021	Task Completed				100%		
	Supply of busbar chamber/ connection box	8/10/2021	8/10/2021	9/3/2021	9/3/2021	Task Completed				100%		
	Completion of all Genset cables and cable termination work to existing power house in SWHSTW after the completion of Genset No. 2 installation work	9/1/2021	9/1/2021	9/8/2021	9/8/2021	Task Completed				100%		
	Delivery of dummy load and self-test	9/9/2021	9/9/2021	9/14/2021	9/15/2021	Task Completed				100%		
	SAT and T&C (witness by AECOM and DSD/ST1) Please allow 1 week advance notice for coordination with DSD/ST1, e.g. genset signal start, etc.)	9/15/2021	9/15/2021	9/15/2021	9/16/2021	Task Completed				100%		
04SC009 - Design, Supply and Installation of HVSB	Submission of subletting package for acceptance	4/21/2020		5/1/2020		-						
	Acceptance of subletting package	5/21/2020		5/30/2020		-						
	Tender invitation	6/1/2020		6/14/2020		-						
	Tender award	7/1/2020		7/14/2020		-						
04SC010 - Design, Supply and Installation of LVSB	Submission of subletting package for acceptance	5/1/2020		5/14/2020		-						

	Acceptance of subletting package	6/1/2020		6/14/2020		-						
	Tender invitation	6/14/2020		6/30/2020		-						
	Tender award	7/1/2020		7/14/2020		-						
04SC011 - Design and Installation of Building	Submission of subletting package for acceptance	4/14/2020		4/30/2020		-						
	Acceptance of subletting package	5/14/2020		5/30/2020		-						
	Tender invitation	5/30/2020		6/14/2020		-						
	Tender award	6/21/2020		6/30/2020		-						
04SC012 - Facility Computerized Systems	Submission of subletting package for acceptance	5/14/2020		5/30/2020		-						
	Acceptance of subletting package	6/14/2020		6/30/2020		-						
	Tender invitation	7/1/2020		7/14/2020		-						
	Tender award	7/21/2020		8/14/2020		-						
Plant and Materials (Marking Scheme)												
PS Clause no. 6B.2.1 Inlet Pump	Submission of marking scheme for PM's acceptance (fourth draft)	5/1/2020	5/1/2020	9/1/2020	8/19/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020.
	Submission of marking scheme for PM's acceptance	5/1/2020	5/1/2020	9/1/2020	8/19/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020.
	Acceptance of marking scheme by the PM	5/15/2020	8/20/2020	9/15/2020	9/1/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	5/29/2020	9/9/2020	9/29/2020	9/18/2020	Task Completed				100%		Tender invitation was conducted on 9 Sept 2020 and returned on 18 Sept 2020.
PS Clause no. 6B.2.1 Inlet Pump	Tender award	6/5/2020	9/19/2020	10/5/2020	10/7/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 5 Oct 2020, Tender report was submitted on 7 Oct 2020. AECOM noted on 8 Oct 2020.
	Acceptance of tender award	6/19/2020	10/17/2020	10/19/2020	11/15/2020	Task Completed				-		
	Submission of marking scheme for PM's acceptance (third draft)	5/1/2020	5/14/2020	9/1/2020	8/19/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	5/1/2020	5/14/2020	9/1/2020	8/19/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
PS Clause no. 6B.2.4 MBR Pre-treatment Screen	Acceptance of marking scheme by the PM	5/15/2020	8/20/2020	9/15/2020	9/1/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	5/29/2020	11/20/2020	9/29/2020	12/11/2020	Task Completed				100%		Tender invitation was conducted on 20 Nov 2020 and returned on 11 Dec 2020. Tender
	Tender award	6/5/2020	12/13/2020	10/5/2020	3/3/2021	Task Completed				100%		Technical Submission Evaluation Report was submitted on 12 Jan 2021. AECOM noted on 22 Jan 2021. Tender Report was submitted on 4 Feb 2021, AECOM commented on 19 Feb 2021, Bestwise submitted supplementary information on 26 Feb 2021. AECOM noted on 3 Mar
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	5/1/2020	5/14/2020	9/1/2020	9/2/2020	Task Completed				100%		AECOM commented on 1 September 2020, Bestwise resubmitted on 2 Sep 2020
	Submission of marking scheme for PM's acceptance	5/1/2020	9/3/2020	9/1/2020	9/2/2020	Task Completed				100%		Bestwise resubmitted on 2 Sep 2020
PS Clause no. 6B.2.4 Air Diffusion System	Acceptance of marking scheme by the PM	5/15/2020	8/20/2020	9/15/2020	9/1/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020, subject to conditions.
	Tender invitation	5/29/2020	2/17/2021	9/29/2020	3/12/2021	Task Completed				100%		Procurement package would follow the approved format (i.e. aeration blower) Tender invitation was conducted on 17 Feb 2021. Addendum No. 1 was issued on 18 Feb 2021. Tender return date was extended from 26 Feb 2021 to 12 Mar 2021. Tender returned on 12 Mar 2021
	Tender award	6/5/2020	3/18/2021	10/5/2020	4/20/2021	Task Completed				-		Technical Submission Evaluation Report was submitted on 18 Mar 2021. AECOM noted on 30 Mar 2021. Tender Report was submitted on 8 Apr 2021. LOI was issued to supplier.
	Acceptance of tender award	6/19/2020	2/20/2021	10/19/2020	3/12/2021	Task Completed				-		
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	5/14/2020	5/14/2020	9/14/2020	8/19/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	5/14/2020	5/14/2020	9/14/2020	8/19/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
PS Clause no. 6B.2.4 BR Aeration Blower	Acceptance of marking scheme by the PM	5/28/2020	8/20/2020	9/28/2020	9/1/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	6/11/2020	2/3/2021	10/12/2020	3/3/2021	Task Completed				100%		Procurement package was submitted to AECOM under CGS-066. AECOM replied on 29 Jan 2021. Tender invitation was conducted on 3 Feb 2021. Tender returned on 3 Mar 2021
	Tender award	6/18/2020	3/4/2021	10/19/2020	4/12/2021	Task Completed				-		Technical Submission Evaluation Report was submitted on 10 Mar 2021. AECOM noted on 19 Mar 2021. Tender Report was submitted on 24 Mar 2021. LOI was issued to supplier.
	Acceptance of tender award	7/2/2020	3/4/2021	11/2/2020	3/25/2021	Task Completed				-		AECOM accepted on 1 Sep 2020, subject to conditions.
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	5/14/2020	5/1/2020	9/14/2020	9/2/2020	Task Completed				100%		AECOM commented on 1 September 2020, Bestwise resubmitted on 2 Sep 2020
	Submission of marking scheme for PM's acceptance	5/14/2020	9/3/2020	9/14/2020	9/2/2020	Task Completed				100%		Bestwise resubmitted on 2 Sep 2020
	Acceptance of marking scheme by the PM	5/28/2020	9/3/2020	9/28/2020	9/5/2020	Task Completed				100%		AECOM accepted on 5 Sep 2020 subject to conditions.
	Tender invitation	6/11/2020	9/14/2020	10/12/2020	10/5/2020	Task Completed				100%		Tender invitation was conducted on 14 Sept 2020 and returned on 5 Oct 2020.
PS Clause no. 6B.2.4 Membrane Modules, Cassettes / Racks	Tender award	6/18/2020	10/6/2020	10/19/2020	11/2/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 14 Oct 2020, Tender report was submitted on 2 Nov 2020. AECOM noted on 4 Nov 2020.
	Acceptance of tender award	7/2/2020	11/3/2020	11/2/2020	11/24/2020	Task Completed				-		
	Submission of marking scheme for PM's acceptance (second draft)	5/14/2020	5/14/2020	9/14/2020	8/19/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	5/14/2020	5/14/2020	9/14/2020	8/19/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
	Acceptance of marking scheme by the PM	5/28/2020	8/20/2020	9/28/2020	9/1/2020	Task Completed				100%		AECOM accepeted on 1 Sep 2020
	Tender invitation	6/11/2020	9/25/2020	10/12/2020	10/29/2020	Task Completed				100%		Tender invitation was conducted on 25 Sept 2020 and returned on 29 Oct 2020.
PS Clause no. 6B.2.4 RAS Pump	Tender award	6/18/2020	10/30/2020	10/19/2020	12/2/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 6 Nov 2020. Tender report was submitted on 24 Nov 2020, AECOM noted on 2 Dec 2020.
	Acceptance of tender award	7/2/2020	11/21/2020	11/2/2020	12/12/2020	Task Completed				-		

Usage of WA2-A		-		2/21/2020	2/21/2020	Task Completed				-		Site works including fencing and site clearnace works to be completed by DC/2018/06 by 30/4/2020 WA2C handovered to Bestwise on 21 February 2020

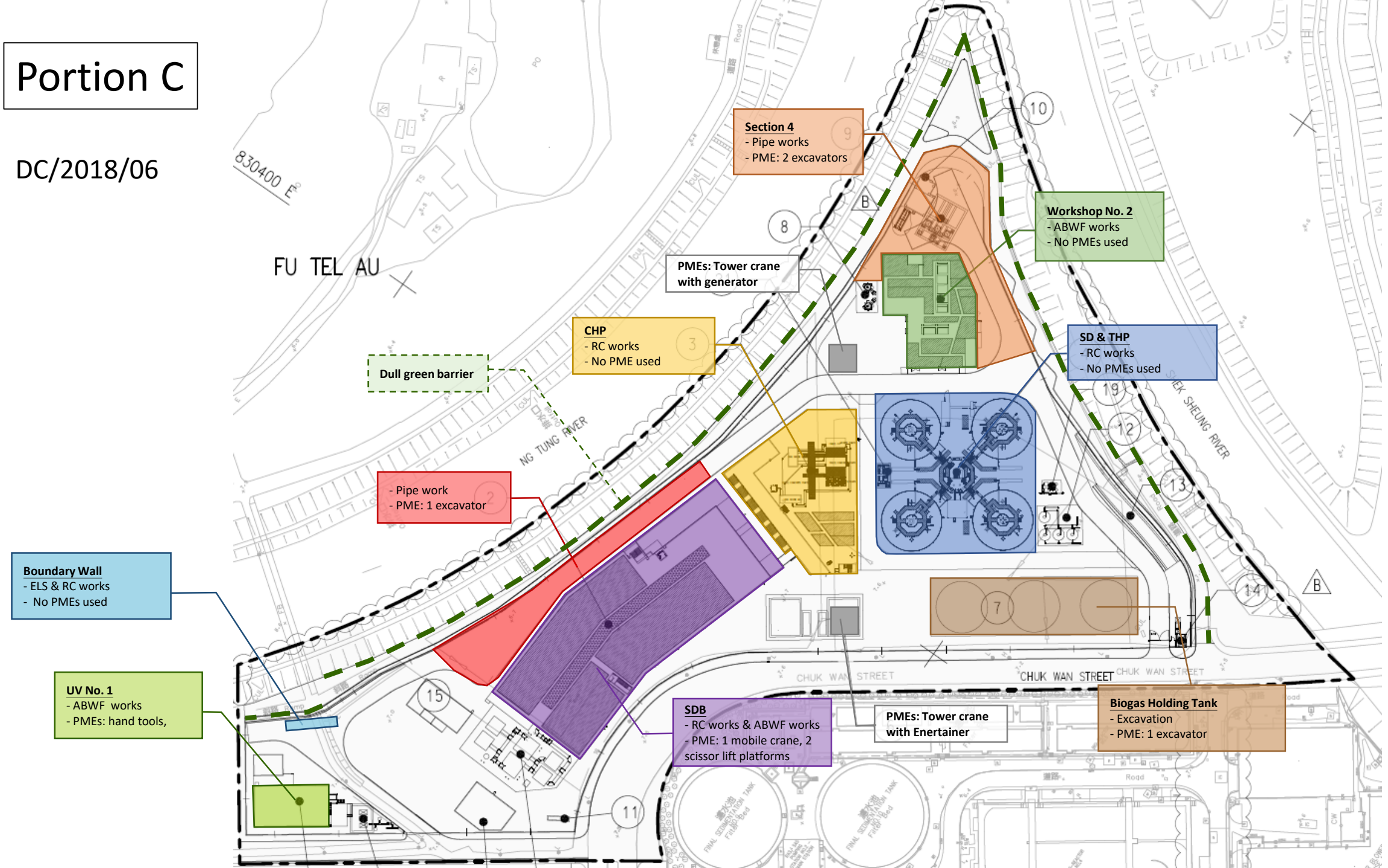
Appendix 2.1

Layout Plans of Construction Activities

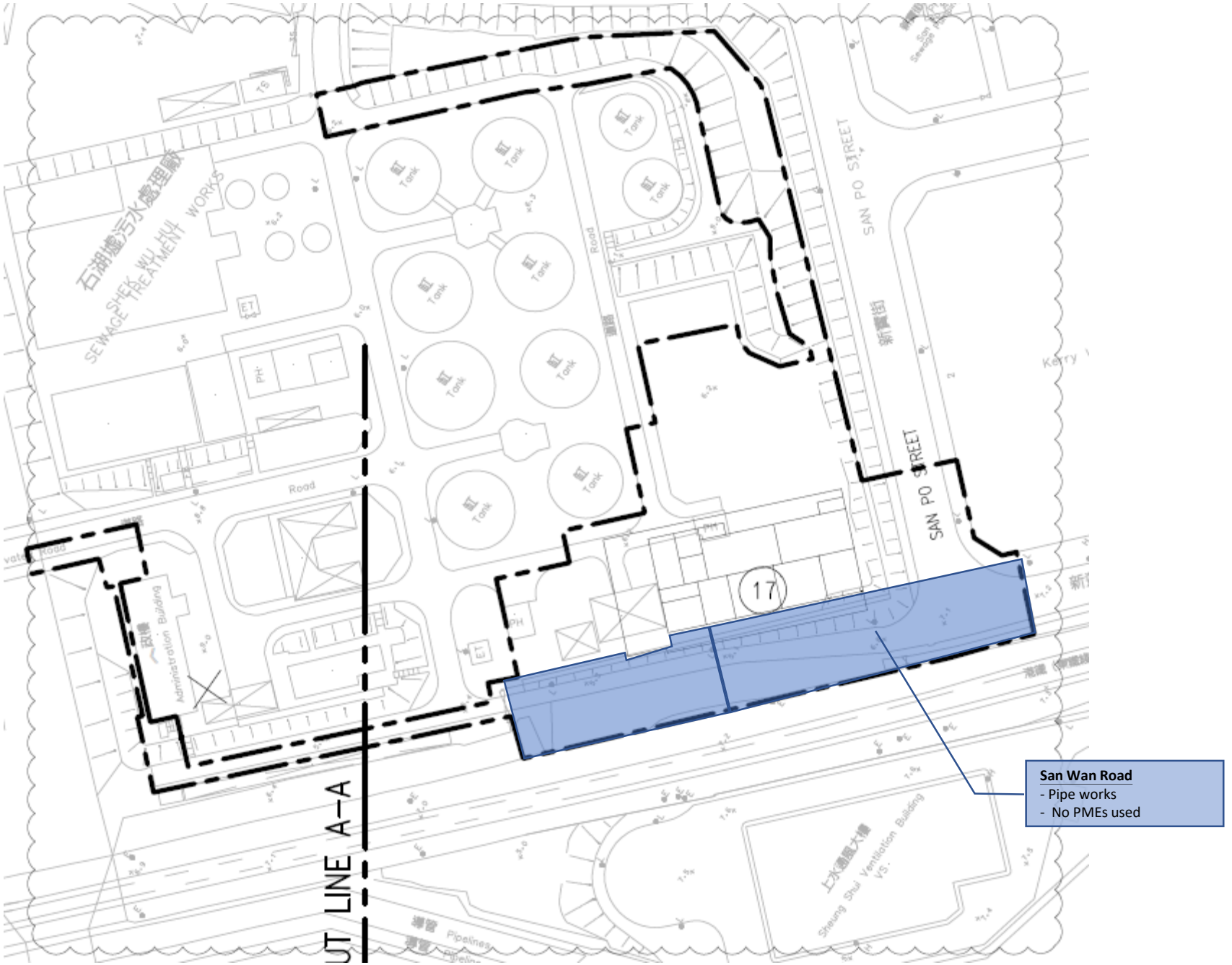
October 2022

Portion C

DC/2018/06

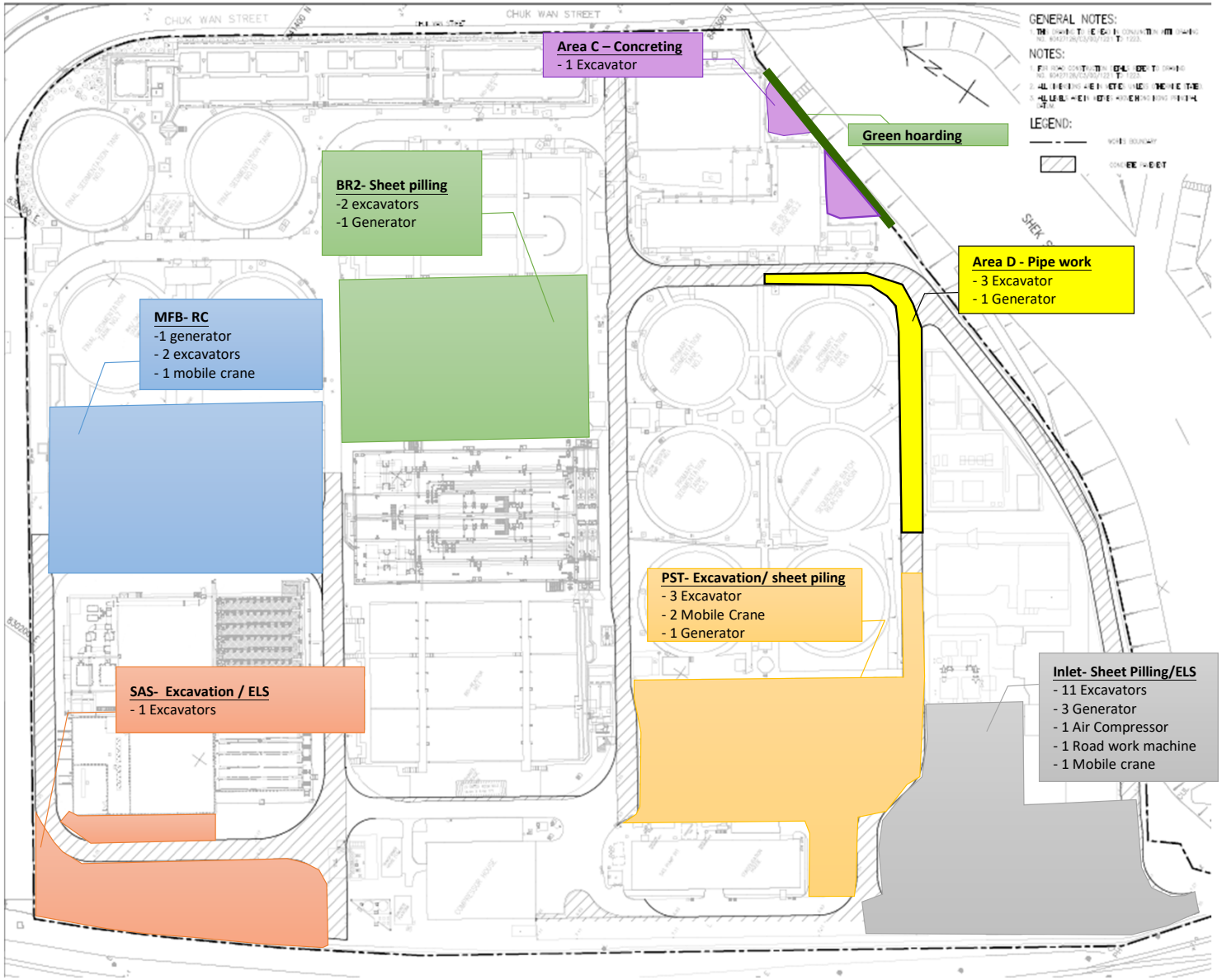


Portion A


SHEK WU HUI SEWAGE TREATMENT WORKS
石湖墟污水處理廠
SAN PO STREET
Road
Tank
Administration Building
Pipelines
Sheung Shui Ventilation Building
17
UT LINE A–A
San Wan Road
- Pipe works
- No PMEs used

Portion B

DC/2018/07



Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM

ISO A1 594mm x 841mm

841600 N

841400 N

830400 E

830200 E

FU TEL AU

SHEUNG SHUI HEUNG

SHEUNG SHUI SLAUGHTER HOUSE

NG TUNG RIVER

SHEK SHEUNG RIVER

PO WAN ROAD

CHUK WAN STREET

SHEK WU HUI SEWAGE TREATMENT WORKS

MTR (EAST RAIL LINE)

Workshop No.2
Electrical Installation at Workshop No.2
Lift Installation at Workshop No.2
Plumbing Installation at Workshop No.2
PME: Generator X1

SDB
AFA and MFA System Installation
PME:GeneratorX2

UV System No.1
SAT of Effluent Transfer Pump at UV
T&C UV System
T&C for Electrical Installation at UV
PME:GeneratorX1

SAS
Penstock and Stoplog Installation

Sidestream
ELS (Sidestream Treatment Facilities)

PME:
Generator X3
Tower Crane X1

Solid Dull Green Barrier

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

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
-	MAR. 19	TENDER DRAWING	TLST

STATUS 階段

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

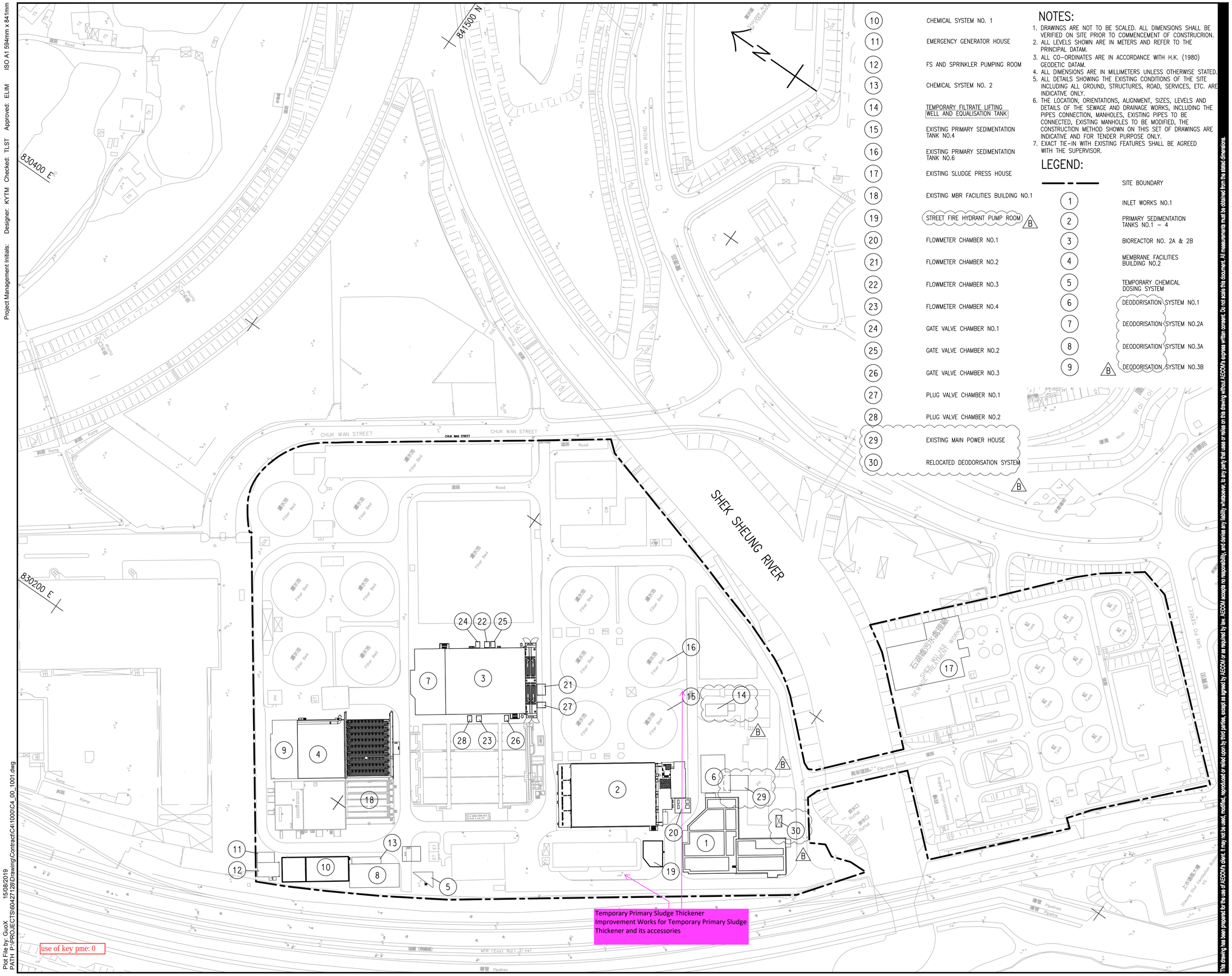
CONTRACT NO. 合約編號
DE/2018/03

SHEET TITLE 圖紙名稱
SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C2/00/1001

Plot File by: GuoX 26/03/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C2\1000\C2_00_1001.dwg

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION.
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY.
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

SITE BOUNDARY

1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

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. 檢核
B	AUG. 19	TENDER ADDENDUM NO. 3	TLST
A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用途

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GuoX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

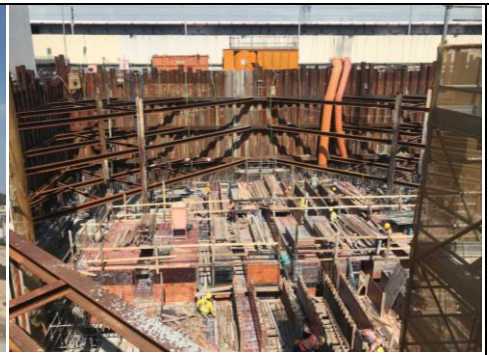
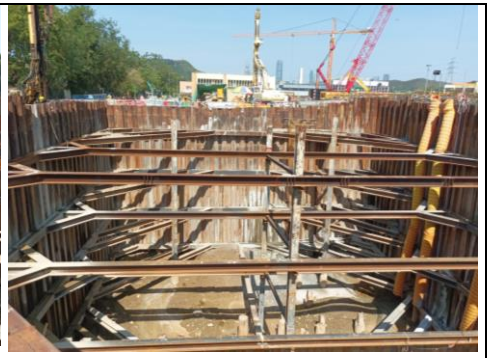
use of key pme: 0

Site Record Photos

DC/2018/06

			
SD&THP	Section 4	SDB	Biogas Holding Tank

DC/2018/07

			
BR2	MFB	PST	Inlet

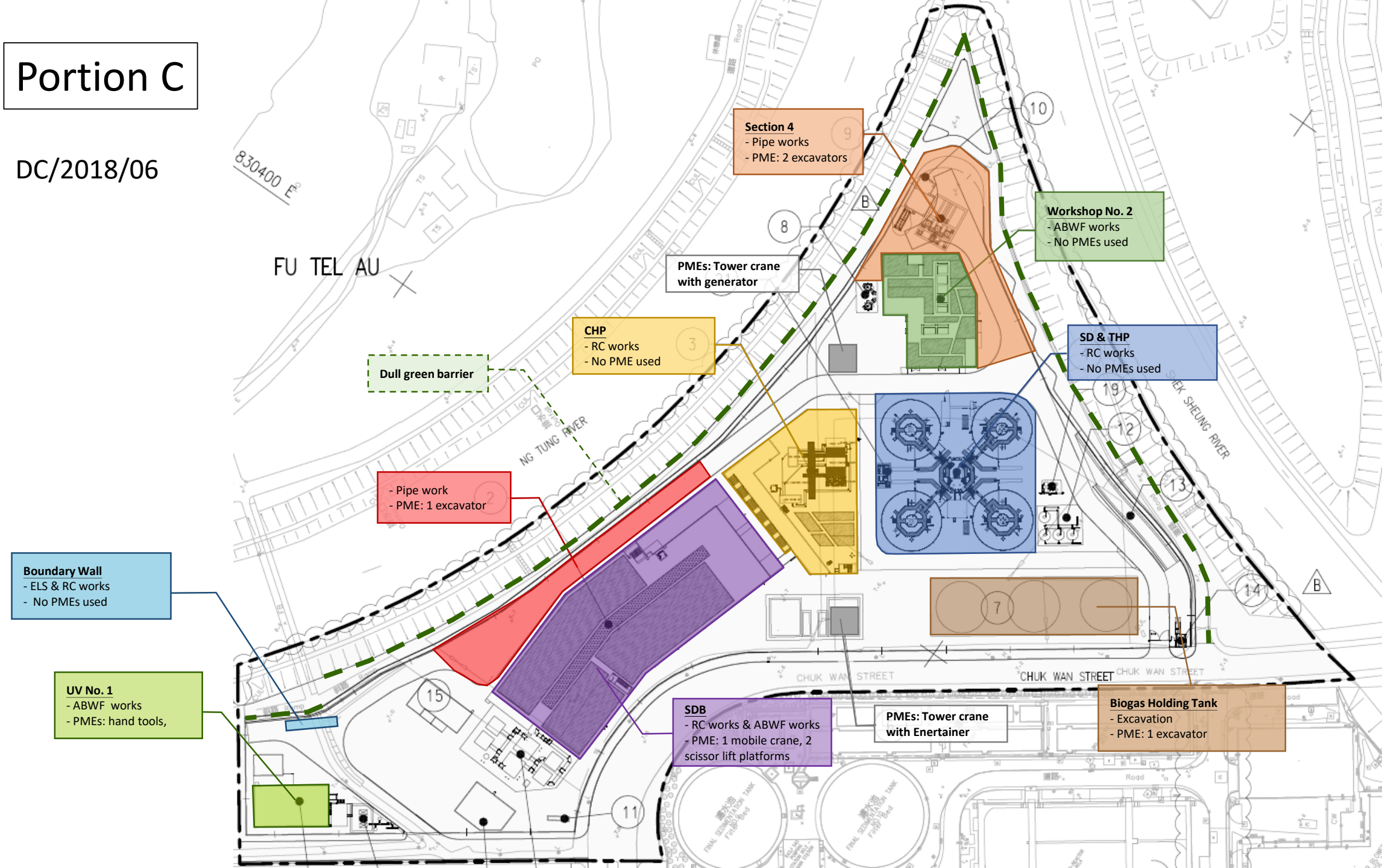
DE/2018/03

Sidestream

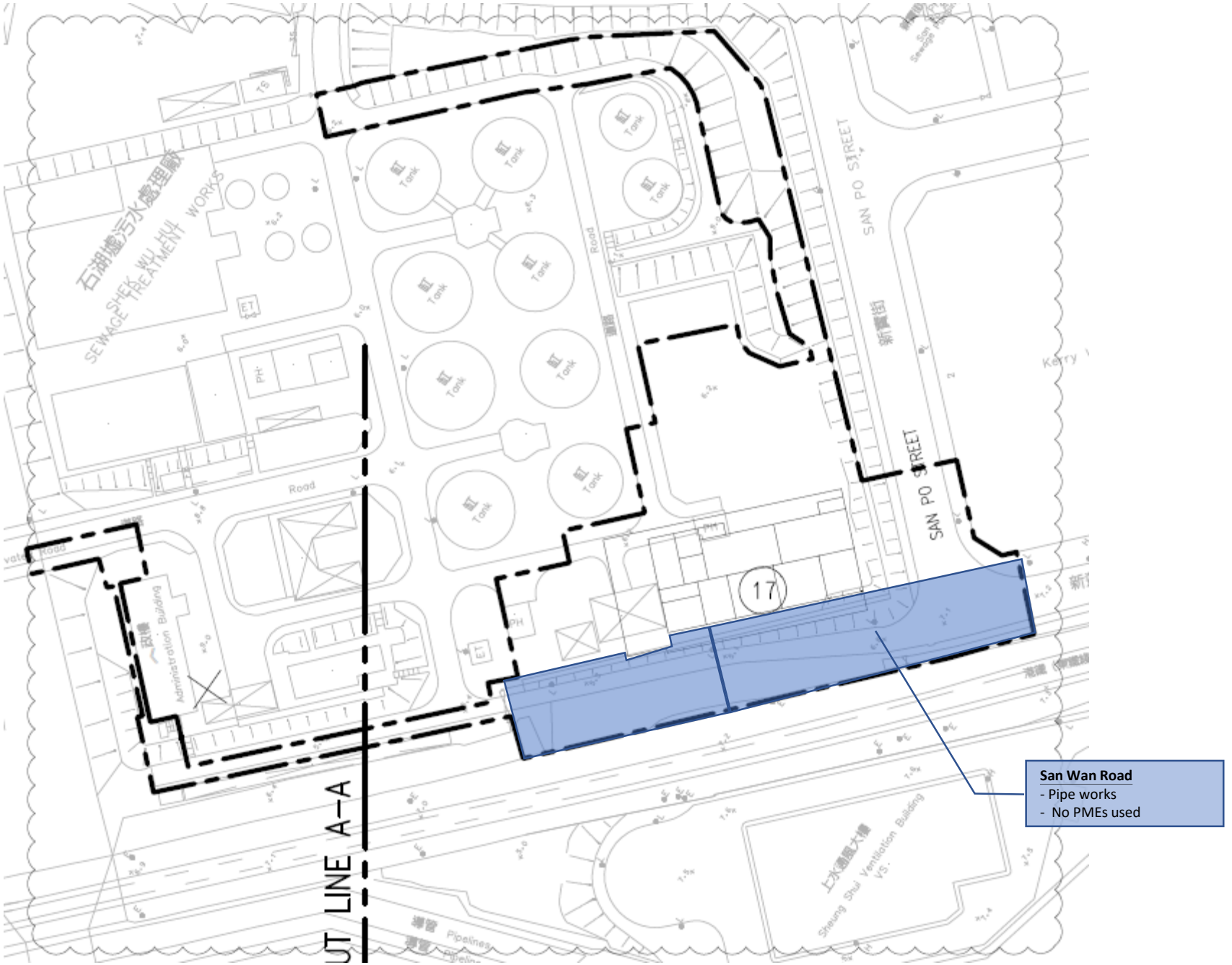
November 2022

Portion C

DC/2018/06

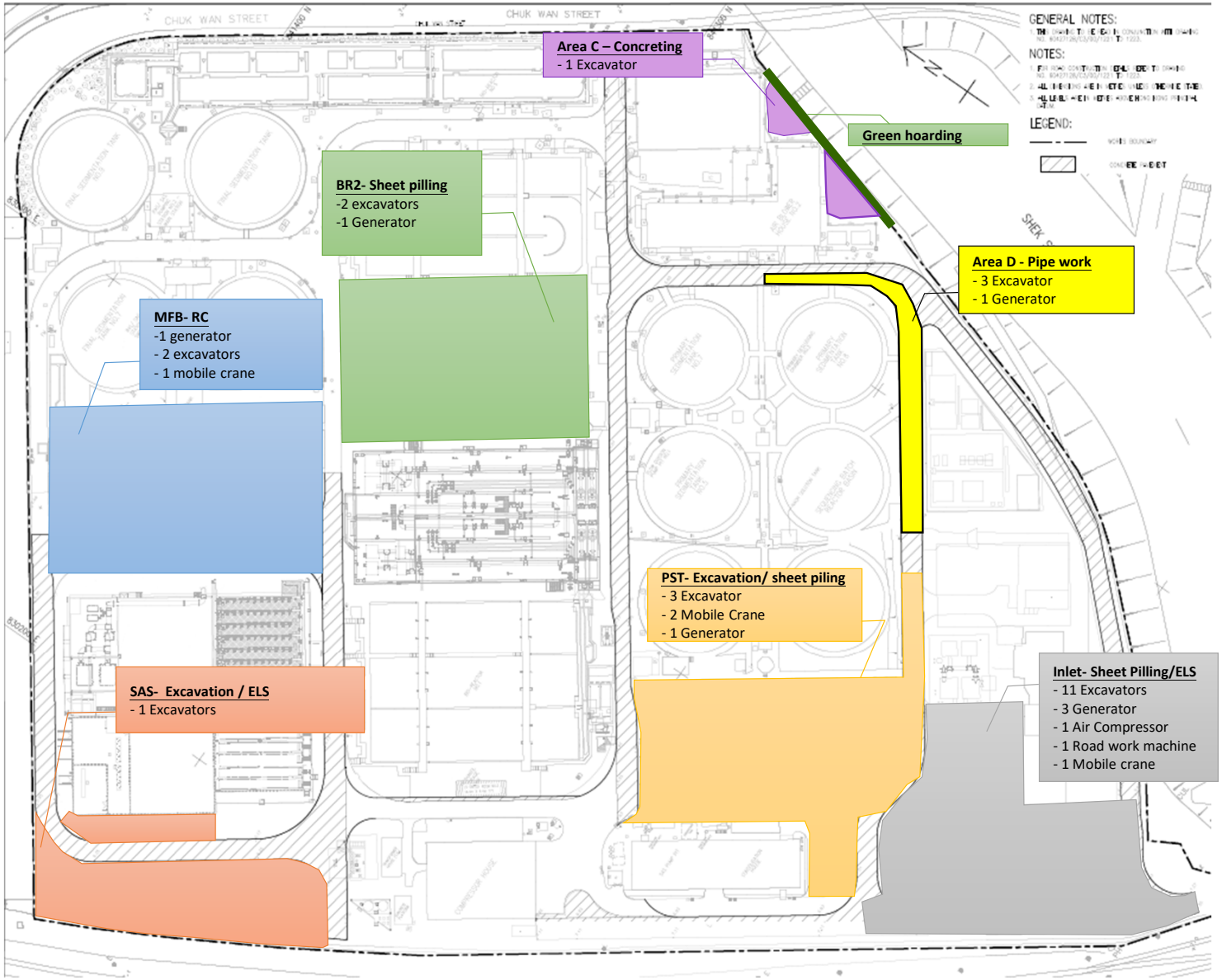


Portion A


SHEK WU HUI SEWAGE TREATMENT WORKS
石湖墟污水處理廠
SAN PO STREET
Road
Tank
Administration Building
Pipelines
Sheung Shui Ventilation Building
17
UT LINE A–A
San Wan Road
- Pipe works
- No PMEs used

Portion B

DC/2018/07



Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM

ISO A1 594mm x 841mm

841600 N

841400 N

830400 E

830200 E

FU TEL AU

SHEUNG SHUI HEUNG

SHEUNG SHUI SLAUGHTER HOUSE

NG TUNG RIVER

SHEK SHEUNG RIVER

PO WAN ROAD

CHUK WAN STREET

SHEK WU HUI SEWAGE TREATMENT WORKS

MTR (EAST RAIL LINE)

Workshop No.2
Electrical Installation at Workshop No.2
Lift Installation at Workshop No.2
Plumbing Installation at Workshop No.2
PME: Generator X1

SDB
AFA and MFA System Installation
PME:GeneratorX2

UV System No.1
SAT of Effluent Transfer Pump at UV
T&C UV System
T&C for Electrical Installation at UV
PME:GeneratorX1

SAS
Penstock and Stoplog Installation

Sidestream
ELS (Sidestream Treatment Facilities)

PME:
Generator X3
Tower Crane X1

Solid Dull Green Barrier

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

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
-	MAR. 19	TENDER DRAWING	TLST

STATUS 階段

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

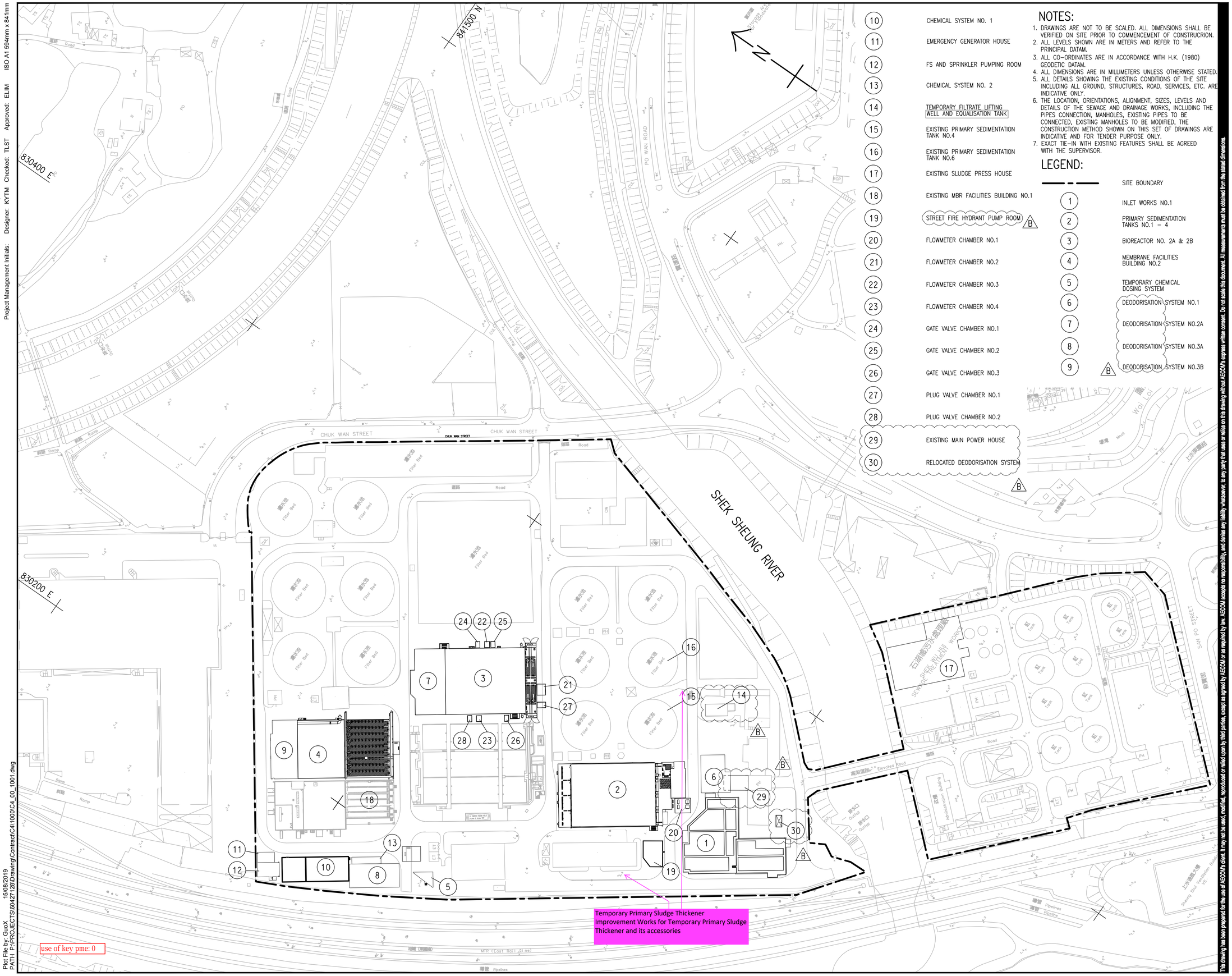
CONTRACT NO. 合約編號
DE/2018/03

SHEET TITLE 圖紙名稱
SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C2/00/1001

Plot File by: GuoX 26/03/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C2\1000\C2_00_1001.dwg

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION.
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY.
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

SITE BOUNDARY

1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

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. 檢核
B	AUG. 19	TENDER ADDENDUM NO. 3	TLST
A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用途

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GuoX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

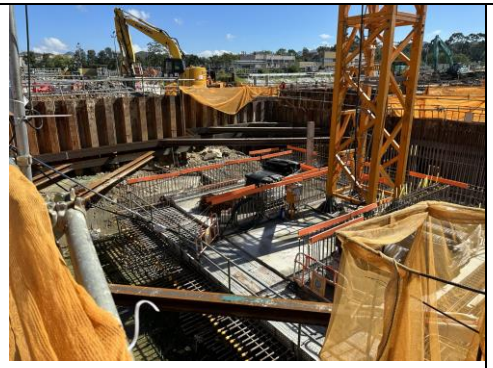
use of key pme: 0

Site Record Photos

DC/2018/06

			
SD&THP	Section 4	SDB	Biogas Holding Tank

DC/2018/07

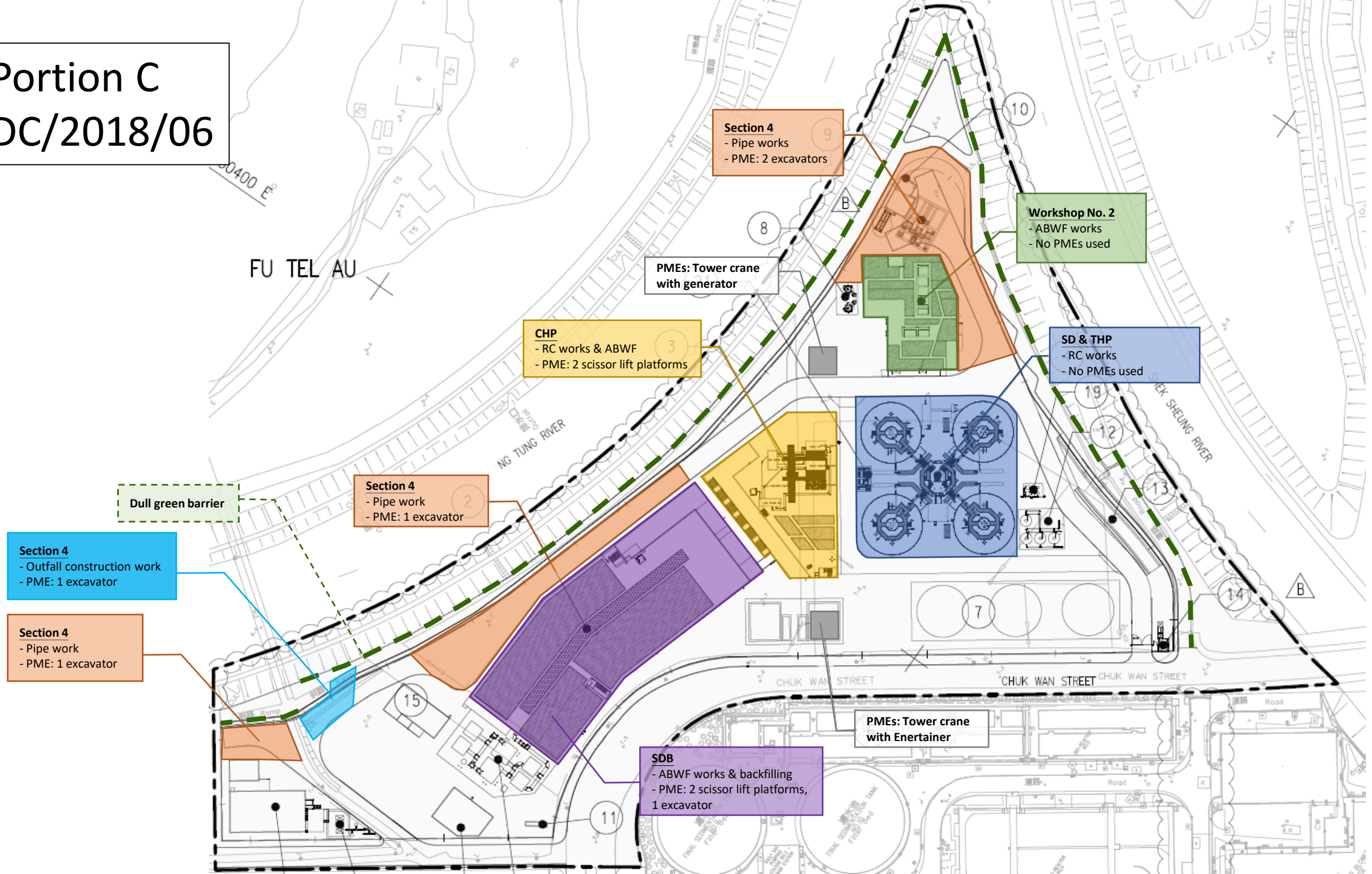
			
BR2	MFB	PST	Inlet

DE/2018/03

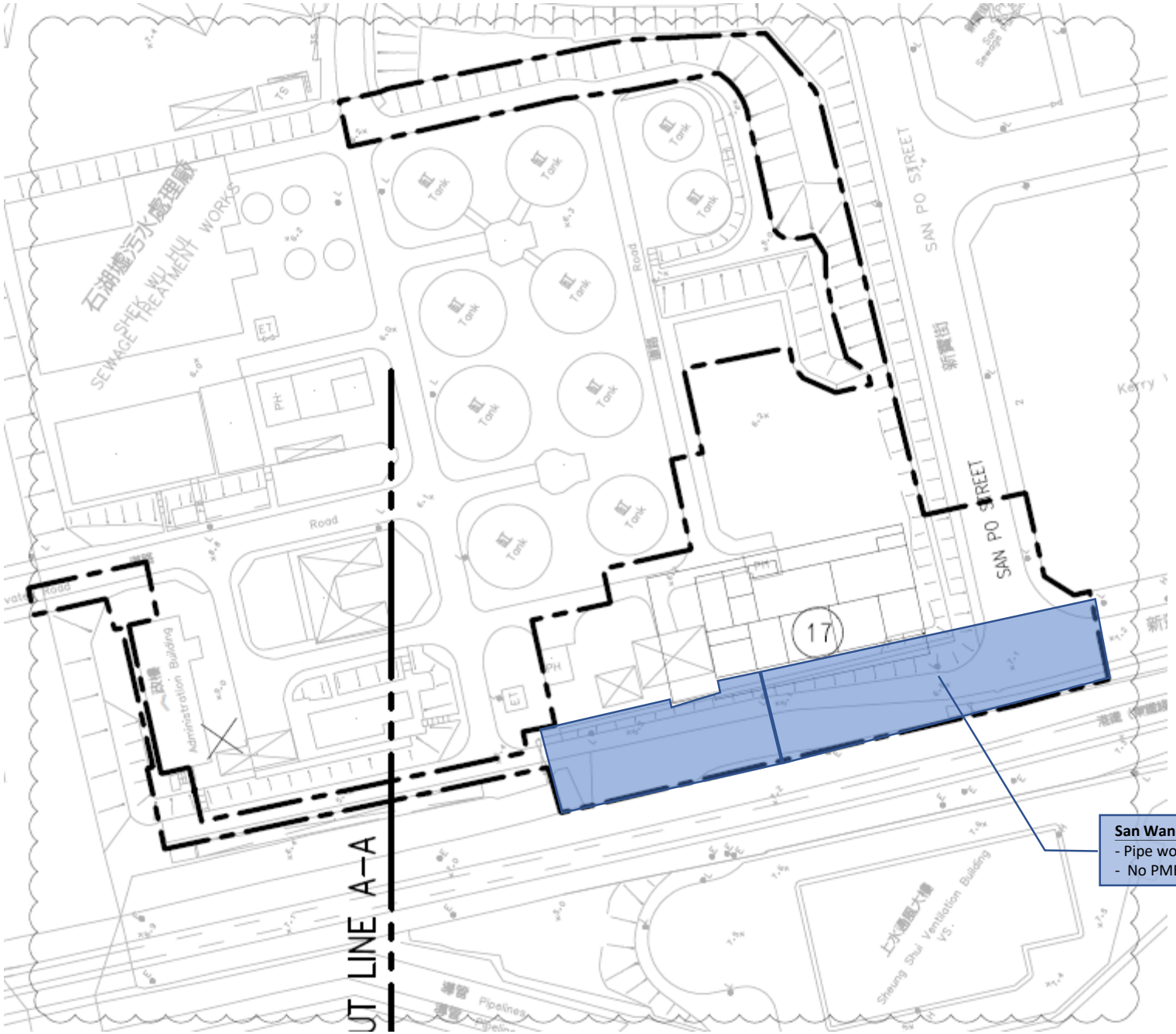
Sidestream

December 2022

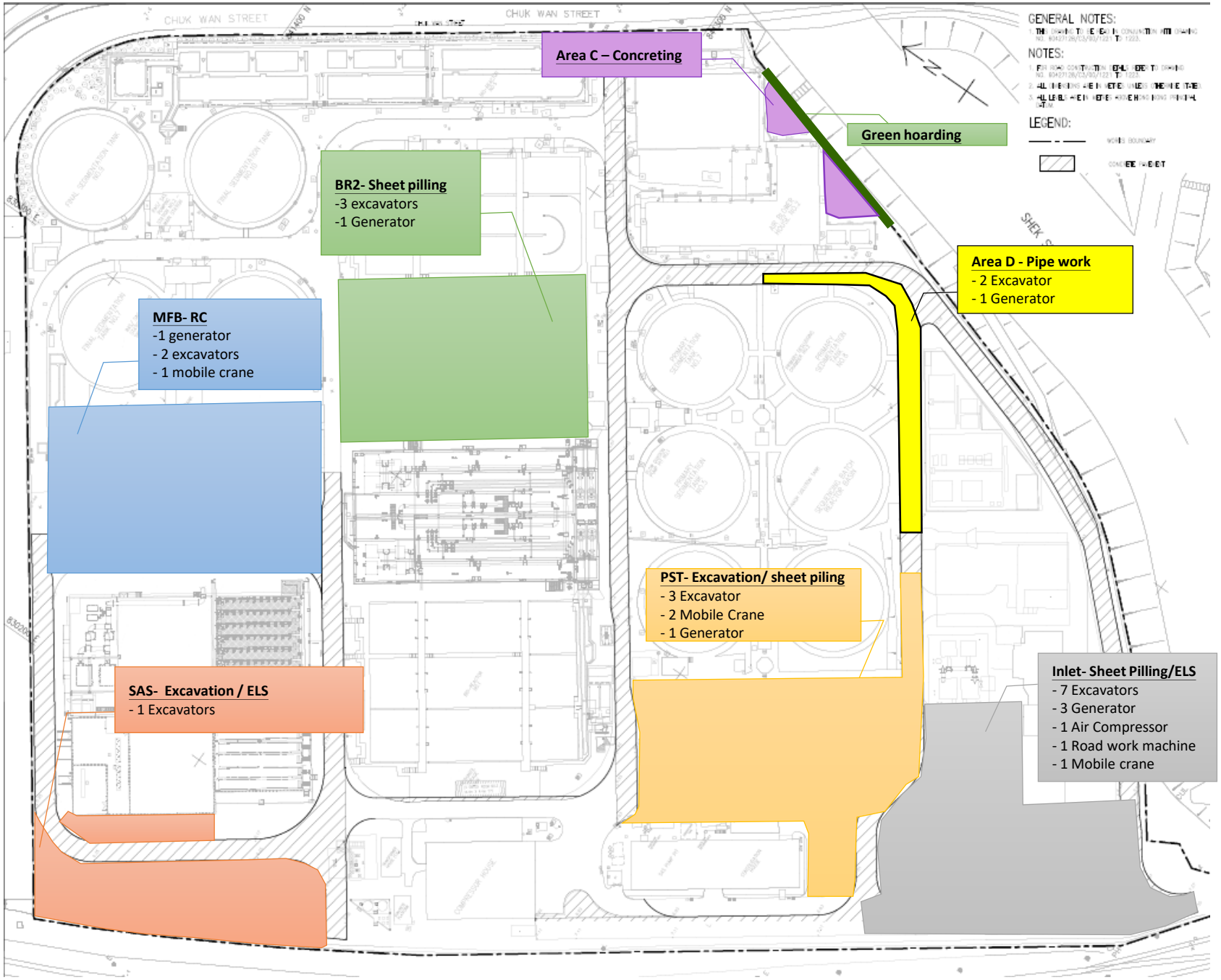
Portion C
DC/2018/06

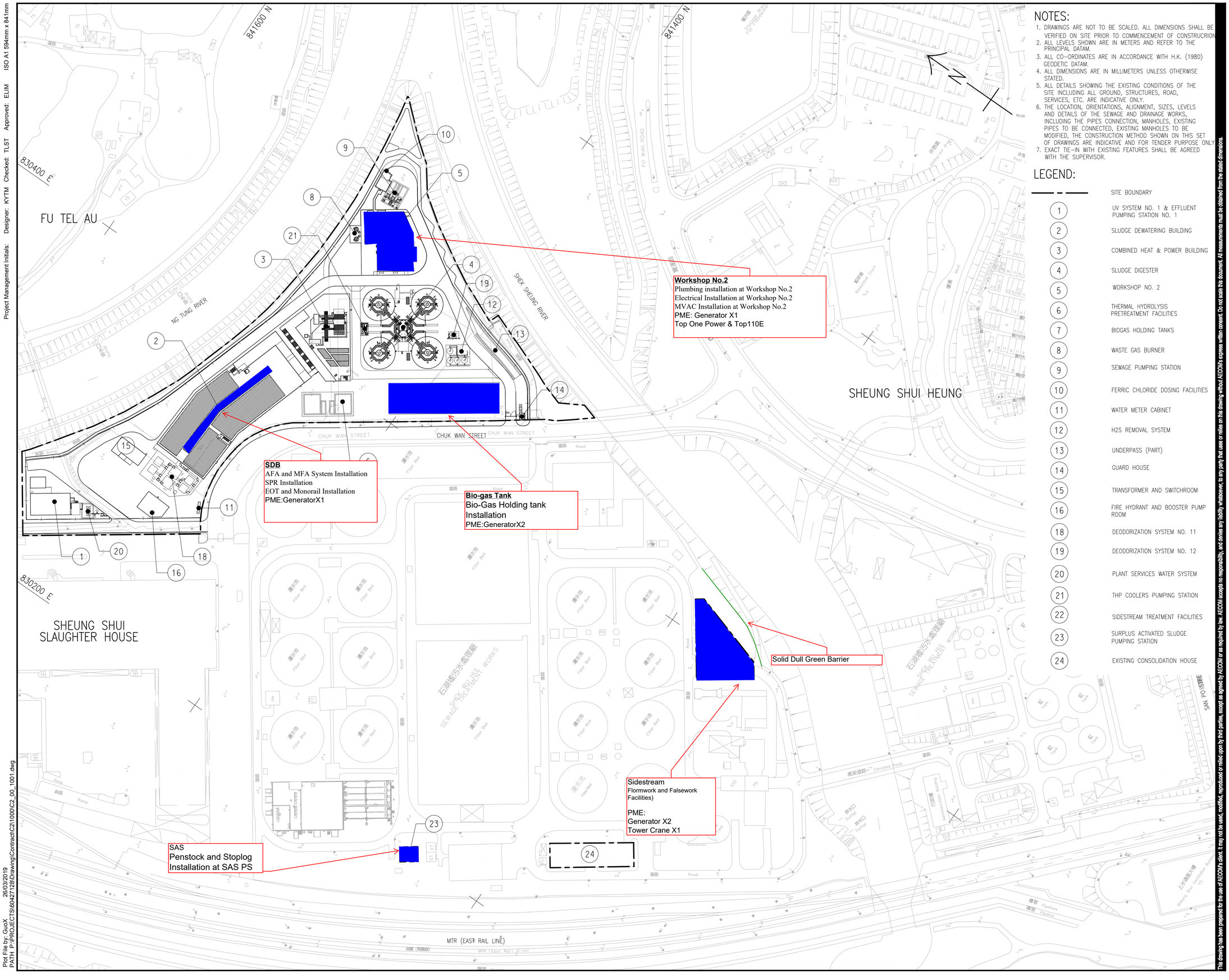


Portion A
DC/2018/06



Portion B
DC/2018/07





NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

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
-	MAR. 19	TENDER DRAWING	TLST

STATUS 狀況

SCALE 比例: A1 1 : 1000

DIMENSION UNIT 尺寸單位: METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號: 60427128

CONTRACT NO. 合約編號: DE/2018/03

SHEET TITLE 圖紙名稱

SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

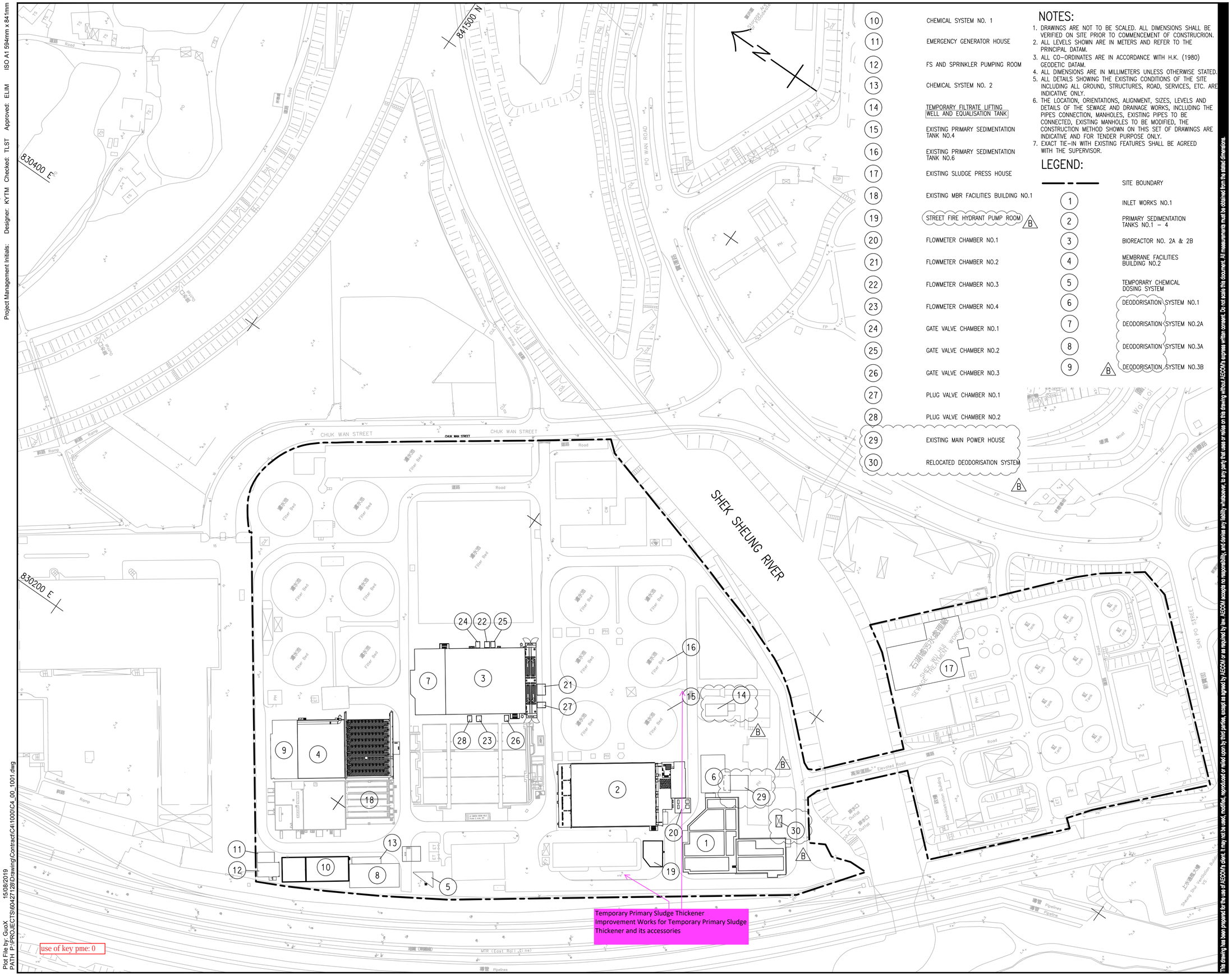
SHEET NUMBER 圖紙編號

60427128/C2/00/1001

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm

Plot File by: GuoX 26/03/2019
PATH P:\PROJECTS\60427128\Drawing\Contract\C21000\C2_00_1001.dwg

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION.
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY.
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

SITE BOUNDARY

1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

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. 檢核
B	AUG. 19	TENDER ADDENDUM NO. 3	TLST
A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用途

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GuoX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

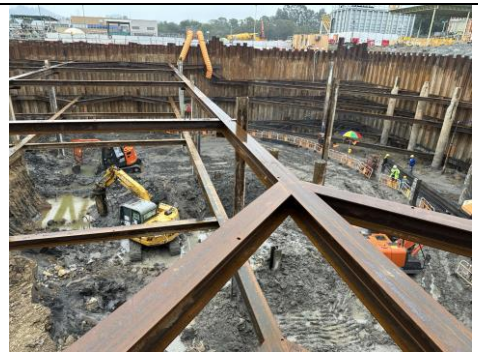
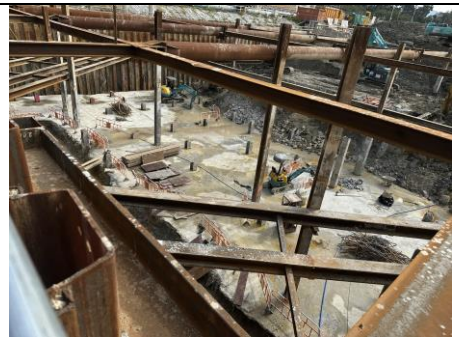
use of key pme: 0

Site Record Photos

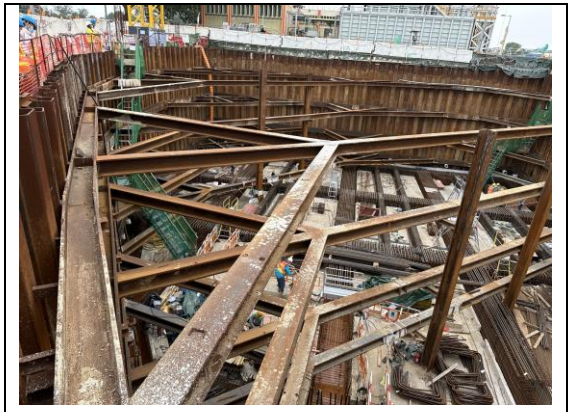
DC/2018/06

			
SD&THP	Section 4	SDB	Biogas Holding Tank

DC/2018/07

			
BR2	MFB	PST	Inlet

DE/2018/03



Sidestream

Appendix 3.1

Environmental Monitoring Requirements

Monitoring Requirements

Air Quality Monitoring

Parameter	Frequency	Location	Measurement Conditions
1-hour TSP	3 times per day, once every 6 days	AM1 – House No.15, Wai Loi Tsuen	Ground level
		AM2 – Fu Tei Au	
		AM2*(1) - Footbridge between Fu Tei Au and SWHSTW	
24-hour TSP	Once every 6 days	AM1a* - Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW (2)	Roof floor
		AM2a - Site Boundary of the Shek Wu Hui STW (North)	Ground level

Remarks

(1) Due to close proximity to construction works and heavy machines from another construction project, presence of physical barrier and safety concerns, adjustment for the location of AM2/NM2 were proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from Fu Tei Au to footbridge between Fu Tei Au and SWHSTW. The proposal has sought approval from ER and IEC, and agreement from EPD on 28 December 2022.

(2) Due to close proximity to construction works and heavy machines, presence of physical barrier and safety concerns, find adjustment for the location of AM1a was proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from the ground level near the control room of SWHSTW to the roof floor of that control room. The proposal has sought approval from ER and IEC, and agreement from EPD in May 2022.

Noise Monitoring

Parameter	Frequency	Location	Measurement Conditions
L_{eq}, L_{90} & L_{10} at 30-minute intervals during (0700 to 1900 on normal weekdays)	Once per week when noise generating activities are underway	NM1 – Wai Loi Tsuen	Ground level and free field measurement
		NM2 – Fu Tei Au	
		NM2*(1) - Footbridge between Fu Tei Au and SWHSTW	
		NM3 - Man Kok Village	

Remarks

(1) Due to close proximity to construction works and heavy machines from another construction project, presence of physical barrier and safety concerns, adjustment for the location of AM2/NM2 were proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from Fu Tei Au to footbridge between Fu Tei Au and SWHSTW. The proposal has sought approval from ER and IEC, and agreement from EPD on 28 December 2022.

Ecological Monitoring

Methdology	Monitoring Stations	Descriptions	Influenced by Tidal Action
Monitoring surveys were conducted on a weekly basis along the Ng Tung River, Sheung Yue River and Shek Sheung River at both high and low tides. Any sources of actual or potential disturbance to birds due to construction activities are identified.	Transect T1	Along Ng Tung River	No
	Point Count Location P1		
	Point Count Location P2		
	Transect T2		Yes
	Point Count Location P3		
	Point Count Location P4		
	Point Count Location P5	At Shek Sheung River (Low-flow Channel)	No
	Transect T3	Along Shek Sheung River & Sheung Yue River	Yes
	Point Count Location P6	At Shek Sheung River	Yes
	Point Count Location P7	At Intersection between Sheung Yue River and Shek Sheung River	Yes

Water Quality Monitoring

Parameter	Frequency	Location	Measurement Conditions
Dissolved oxygen (DO), salinity, temperature, turbidity and pH shall be measured in situ while suspended solids (SS) is determined by laboratory analysis at all the designated monitoring stations.	Three days per week when construction works at the outfall at Ng Tung River	M1	Impact Station, downstream of the proposed outfall
		C1	Control Station, upstream of the proposed outfall

Appendix 3.2

Action and Limit Level

Action and Limit Levels

Air Quality Monitoring

Monitoring Station	1-hour TSP Level in μg/m^3		24-hour TSP Level in μg/m^3	
	Action Level	Limit Level	Action Level	Limit Level
AM1	320	500	189	260
AM2	322	500	187	260

Noise Monitoring

Monitoring Stations	Leq(30min),dB(A)	
	Action Level (dB(A))	Limit Level (dB(A))
NM1	When one documented complaint is received	75*
NM2		
NM3		

*Notes: (1) If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) used by the Noise Control Authority should be followed.

(2) The limit level shall be 70 dB(A) and 65 dB(A) for educational institute during normal teaching periods and school examination periods, respectively.

Ecological Monitoring of Waterbirds using Ng Tung, Sheung Yue and Shek Sheung Rivers during Construction Phase

Action Level	Limit Level
Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that Action Level response is triggered.	Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that the Limit Level response is triggered.
Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Action Level Response is triggered.	Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Limit Level response is triggered.

*Note: Whether numbers are significant depend on species and season after collection and evaluation of baseline data.

Water Quality Monitoring

Parameter (Unit)	Depth	Action Level	Limit Level
DO (mg/L)	Middle	**≤ 7.8 mg/L**	**≤ 7.7 mg/L**
Turbidity (NTU)	Depth-average	**≥ 14.6 NTU** or 120% of upstream control station's Turbidity at the same tide of the same day	**≥ 15.6 NTU** or 130% of upstream control station's Turbidity at the same tide of the same day
SS (mg/L)	Depth-average	**≥ 18.8 mg/L** or 120% of upstream control station's SS at the same tide of the same day	**≥ 19.5 mg/L** or 130% of upstream control station's SS at the same tide of the same day

Appendix 3.3

Environmental Mitigation Implementation Schedule

Appendix 3.1 Environmental Mitigation Implementation Schedule

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Air Quality Monitoring							
S2.4.1.3	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices:						
	• Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;	To minimize the dust impact	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Air Pollution Control Ordinance (APCO) and Air Pollution Control (Construction Dust)	*
	• Any dusty material remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;						^
	• A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones;						^
	• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;						^
	• Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						^
	• The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;						^
	• Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;						^
	• Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;						^
	• Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;						^
	• Any skip hoist for material transport should be totally enclosed by impervious sheeting;						^
	• Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;						^
	• Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;						^

	• Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and						^
	• Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Noise Impact							
S3.4.1.1	Use of movable barrier, enclosure, acoustic mat and quiet plant. Use of wooden frames barrier with a small-cantilevered upper portion of superficial density not less than 14kg/m² on a skid footing with 25mm thick internal sound absorptive lining.	To minimize construction noise impact arising from the Project at the affected noise sensitive receivers (NSRs)	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, Noise Control Ordinance (NCO)	^
S3.4.1.2	Good Site Practice:						
	• Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program.	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, NCO	^
	• Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.						^
	• Mobile plant, if any, should be sited as far away from NSRs as possible.						^
	• Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.						^
	• 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.						^
	• Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Ecological Impact							
S4.2.1.1	Solid dull green noise/visual barriers of at least 2m high shall be erected and maintained between active works area and all areas of ecological importance.	Minimize noise and human disturbances during construction phase.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.2	Avoid unnecessary lighting.	Minimize mortality impacts on birds.	Design / Contractor/ Plant Operator	Work Sites	Construction and operation phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.3	Good construction site practice to minimise dust generation should be followed on all construction sites. Measures to avoid, minimise and mitigate impacts on air quality are detailed in this schedule.	Minimize dust generation from construction sites.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.4	The following measures to avoid, minimise and mitigate impact on water quality during construction phase shall be implemented						
	• Temporary sewerage and drainage to be designed and installed to collect wastewater and prevent it from entering water bodies;	Avoid, minimise and mitigate impact on water quality	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
	• Proper locations well away from nearby water bodies should be used for temporary storage of materials (i.e. equipment, filling materials, chemicals and fuel) and temporary stockpiles of construction debris and spoil, and these should be identified before commencement of works;						^
	• To prevent muddy water entering nearby water bodies, work sites close to nearby water bodies should be isolated, using such items as sandbags or silt curtains with lead edge at bottom and properly supported props. Other protective measures should also be taken to ensure that no pollution or siltation occurs to the water gathering grounds of the work sites;						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Construction debris and spoil should be covered and/or properly disposed of as soon as possible to avoid these being washed into nearby water bodies;						^
	• Proper locations for discharge outlets of temporary wastewater treatment facilities well away from sensitive receivers should be identified;						^
	• Adequate lateral support should be erected where necessary in order to prevent soil/mud from slipping into water bodies;						^
	• Site boundaries should be clearly marked and any works beyond the boundary strictly prohibited;						^
	• Regular water monitoring and site audit should be carried out at adequate points along any watercourses where construction works are underway upstream within their catchments and also on the Ng Tung, Sheung Yue and Shek Sheung Rivers. If the monitoring and audit results show that pollution occurs, adequate measures including temporarily cessation of works should be considered;						^
	• Excavation profiles should be properly designed and executed with attention to the relevant requirements for environment, health and safety;						^
	• Where soil to be excavated is situated beneath the groundwater table, it may be necessary to lower the groundwater table by installing well points or similar means; Stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be properly covered by impermeable sheeting to reduce dust emission during dry season or contaminated run-off during rainy season. Watering should be avoided on stockpiles of						^
	• contaminated soil to minimize contaminated runoff and construction materials should be properly covered and located away from nearby water bodies; and						^
	• Supply of suitable clean backfill material after excavation, if required.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Vehicles containing any excavated materials should be suitably covered to limit potential dust emissions or contaminated run-off, and truck bodies and tailgates should be sealed to prevent discharge during transport or during wet season;						^
	• Speed control for the trucks carrying contaminated materials should be enforced;						^
	• Vehicle wheel washing facilities at construction sites' exit points should be established and used, where necessary; and						^
	• Other measures as detailed in this schedule.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Water Quality Impact							
S5.2.2.1	Construction Site Runoff Practices and measures provided in the Practice Note for Professional Persons on Construction Site Drainage, (PROPECC PN1/94) should be followed where applicable.	Control construction runoff	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	^
S5.2.2.2 – S5.2.2.3	Sewage from Workforce						
	• Portable chemical toilets and sewage holding tanks should be provided for handling the construction sewage generated by the workforce. A licensed Contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance;	Handling of site sewage	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	^
	• Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project. Regular environmental audit on construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the Project would not cause water quality impact after undertaking all required measures						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Waste Management							
S6.2.2.1	Good Site Practices and Waste Reduction Measures						
	• Nomination of an approved person, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;	Minimize waste generation during construction	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal Ordinance (WDO)	^
	• Training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling;						^
	• Provision of sufficient waste disposal points and regular collection for disposal;						^
	• Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;						^
	• Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;						^
	• An Environmental Management Plan (EMP) should be prepared by the contractor and submitted to the Supervisor for approval.						^
S6.2.3.1	Waste Reduction Measures						
	• Segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal;	Reduce waste generation	Contractors	Work Sites	Prior to the commencement of construction of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Proper storage and site practices to minimize the potential for damage and contamination of construction materials;						^
	• Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste;						^
	• Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); and						^
	• Provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S6.2.4.1	Storage, Collection and Transportation of Waste Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include:	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution;						^
	• Stockpiling area should be provided with covers and water spraying system to prevent materials from windblown or being washed away; and						^
	• Different locations should be designated to stockpile each material to enhance reuse.						^
S6.2.4.2	Storage, Collection and Transportation of Waste (con't)						
	• Remove waste in timely manner;	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Employ the trucks with cover or enclosed containers for waste transportation;						^
	• Obtain relevant waste disposal permits from the appropriate authorities; and						^
	• Disposal of waste should be done at licensed waste disposal facilities						^
S6.2.5.2	C&D Materials from Site Formation						
	• Maintain temporary stockpiles and reuse excavated fill material for backfilling;	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	^
	• Carry out on-site sorting;						^
	• Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;						^
	• Adopt "selective demolition" technique to demolish the existing structure and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; and						^
	• Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.						^
S6.2.5.3	C&D Material from Buildings Demolition and New Building Construction						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• The Contractor should recycle as much as possible of the C&DM on-site. Public fill and C&DM waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. For example, concrete and masonry can be crushed and used as fill, and steel reinforcing bar can be used by scrap steel mills. Different areas of the work sites should be designated for such segregation and storage.	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	^
	• The use of wooden hoardings shall not be allowed. An alternative material, such as metal, aluminium or alloy etc, could be used.						^
	• Government has developed a charging policy for the disposal of waste to landfill at present. It will provide additional incentive to reduce the volume of generated waste and ensure proper segregation to allow reuse of the inert material on site when implemented.						^
	• In order to minimize the impacts of the demolition works, the generated wastes must be cleared as quickly as possible after demolition. Therefore, the demolition and clearance works should be undertaken simultaneously. To facilitate proper segregation of inert and non-inert C&D material arising from demolition works, selective demolition method should be adopted.						^
S6.2.5.4	Chemical Waste						
	• If chemical wastes are produced at the construction site, the Contractors should register with EPD as chemical waste producers.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal (Chemical Waste General) Regulation, Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	^
	• Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste contractor. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.						*
S6.2.5.5	General Refuse						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• General refuse should be stored in enclosed bins separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal (Chemical Waste General) Regulation	^
	• Recycling bins should also be placed to encourage recycling.						^
	• Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean.						^
	• A reputable waste collector should be employed to remove general refuse on a daily basis.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Landscape and Visual							
S7.3.1.1	Good Site Practices Measures						
	• For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.	Minimize the impact to the landscape and visual	Contractor	Work Sites	Prior to construction and construction phase		N/A
	• With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored for re-use in the construction of the soft landscape works such as roadside amenity strips, and open space sites.						N/A
S7.3.2.1	MM4 - Tree Protection & Preservation • Existing trees to be retained within the Project Site should be carefully protected during construction. In particular Old and Valuable Trees (OVTs) will be preserved according to ETWB TC (Works) No. 29/2004. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in Contractor's works areas. A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	Designer / Contractor	Work Sites	Prior to construction and construction phase	ETWB TCW No. 29/2004 and DEVB TC(W) No.7/2015	^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S7.3.2.1	MM5 - Tree Transplantation • Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC No. 2/2004 and DEVB TC(W) No. 7/2015 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.	Transplant Trees where suitable for transplantation	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No.2/2004 HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit	N/A
S7.3.2.1	MM6 - Slope Landscaping						
	• Site formation should be reduced as far as possible. Hydroseeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape recourses and charter. Woodland tree seedings and/or shrubs should be planted where slope gradient and site conditions allow.	To avoid substantial slope cutting and fill slopes. To prevent erosion and subsequent loss of landscape resources and character. To ensure manmade slopes are as visually amenable as possible.	Designer / Contractor	Work Sites	Prior to construction, construction phase and operation phase	GEO Publication (1999) - Use of Vegetation as Surface Protection on Slope; GEO Publication No. 1/2011- Technical Guidelines on Landscape Treatment for Slopes	N/A
	• In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow. All slope landscaping						N/A
S7.3.2.1	MM7 - Compensatory Planting						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Compensatory tree planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under DEVB TC(W) No. 7/2015.	Compensate for trees and shrubs lost due to the Project	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No. 2/2004	N/A
	• Compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes, as well as the open areas within development lots.						N/A
	• Compensatory planting for shrubs should be considered in suitable locations. Native species such as *Melastoma malabathricum, Diospyros vaccinioides, Gardenia jasminoides, Ixora chinensis, Ligustrum sinense, Litsea rotundifolia, Melastoma dodecandrum, Atalantia buxifolia, Rhodomyrtus tomentosa, Rhaphiolepis indica, and Rhododendron simsii are suggested.*						N/A
S7.3.2.1	MM9 - Vertical Greening • Planting of climbers to grow up vertical surfaces were appropriate.	Soften hard surfaces and facilities	Designer / Contractor	On appropriate structures	Prior to construction, construction phase and operation phase	ETWB TCW No.11/2004 – Cyber Manual for Greening	N/A
S7.3.2.1	MM10 - Green Roof • Roof greening where appropriate should be established on proposed buildings as per the guidelines stated. These guidelines provide further details including information regarding structural loading, design, maintenance, etc. considerations as well as providing information on what types of plants might be suitable.	Reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to visually sensitive receivers (VSRs) at high levels. Provide greening	Designer / Contractor	On appropriate buildings	Prior to construction, construction phase and operation phase	CIBSE HK Branch, Technical Guidelines for Green Roof Systems in Hong Kong (2011); ArchSD/Urbis Study on Green Roof Application in HK (2007)	N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S7.3.2.1	MM11 - Screen Planting • Tall screen/buffer trees and shrubs should be planted. This measure may additionally form part of the compensatory planting.	To screen proposed structures such as roads and buildings. Improve compatibility with the surrounding environment and create a pleasant pedestrian environment	Designer / Contractor	Along roads, around suitable built structures, or around VSRs to contain their view out to the structures.	Prior to construction, construction phase and operation phase	ETWB TCW No. 10/2013 and 3/2006	N/A
S7.3.2.1	MM16 - Screen Hoarding • Screen hoarding shall be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used. Any works areas near the ecological sensitive areas should erect 2m high dull green site boundary fence. Details can refer to the ecological impact assessment. [Chapter 13 of the EIA Report of NENT NDAs (Register No. AEIAR-175- 2013)]	To screen undesirable views of the works site.	Designer	Work Sites	Construction phase		N/A
S7.3.2.1	MM17 - Light Control • Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase. Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	To minimize glare impact to adjacent VSRs.	Designer / Contractor	Work Sites and/or the Plant	Construction phase and operation phase		N/A

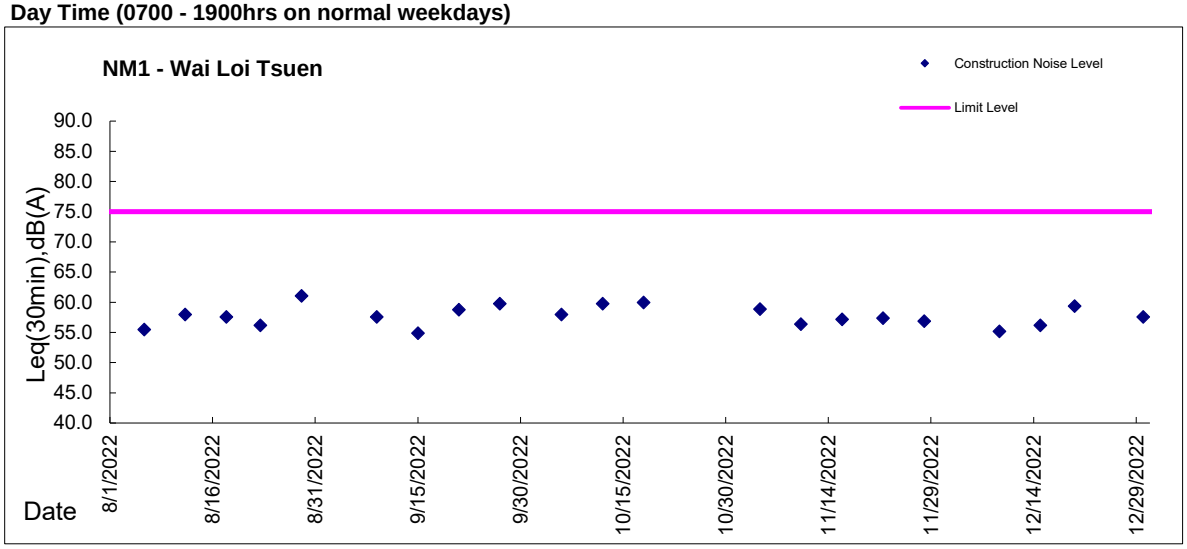
Remarks:
^ Implemented
* To be followed-up by Contractor
# Not Implemented
N/A Not Applicable

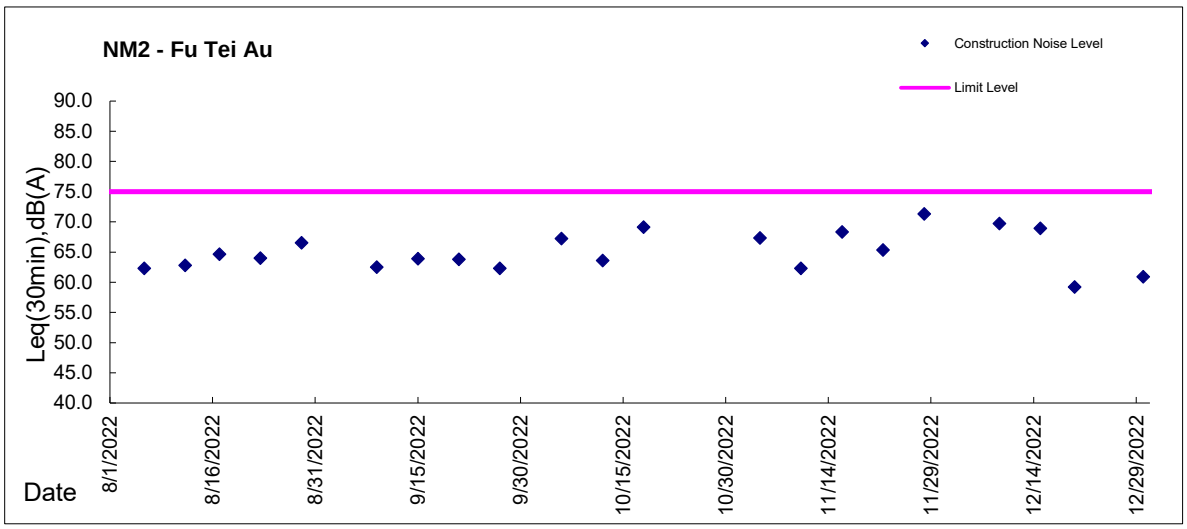
Appendix 3.4

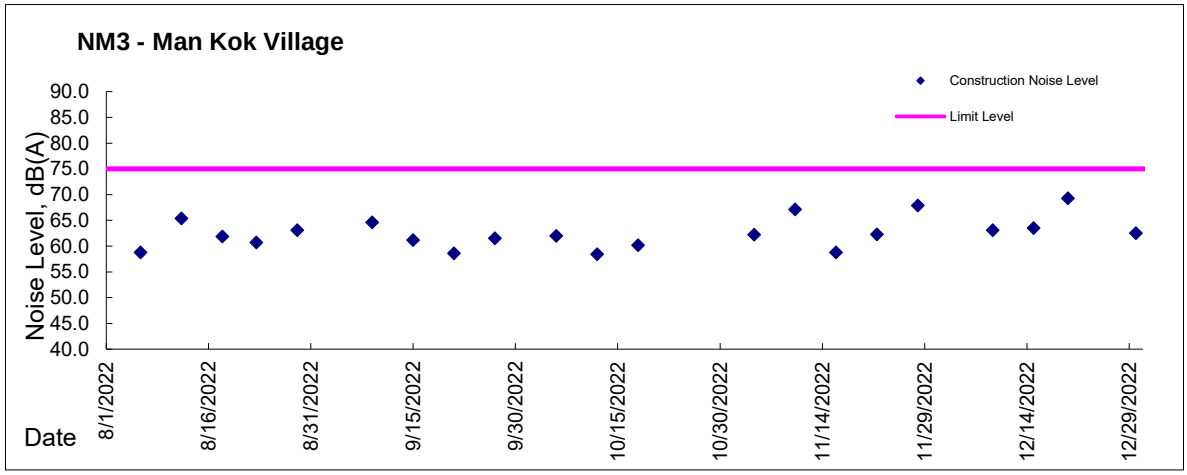
Noise Monitoring Graphical Presentations

Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



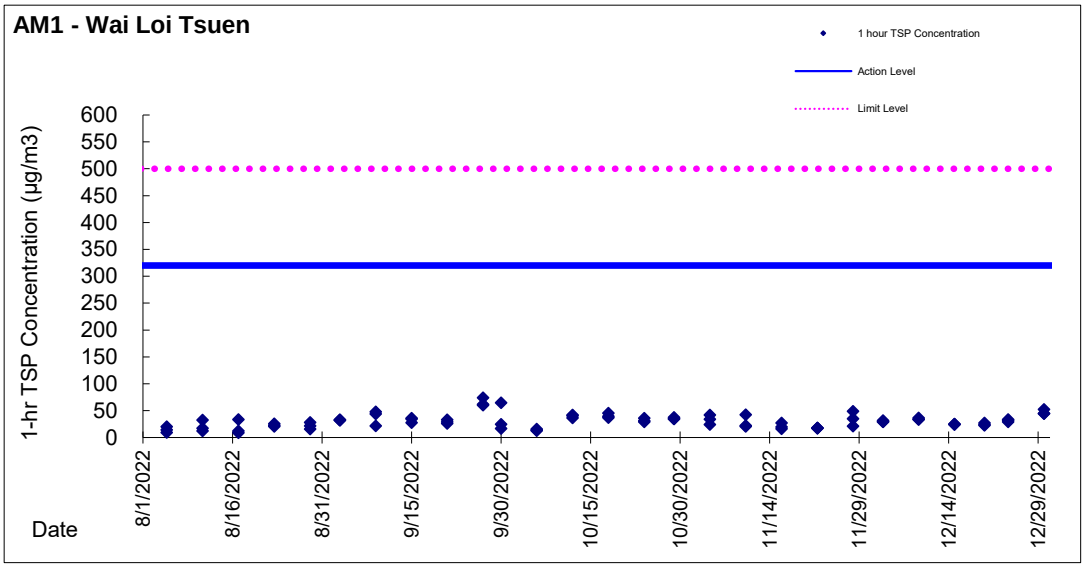


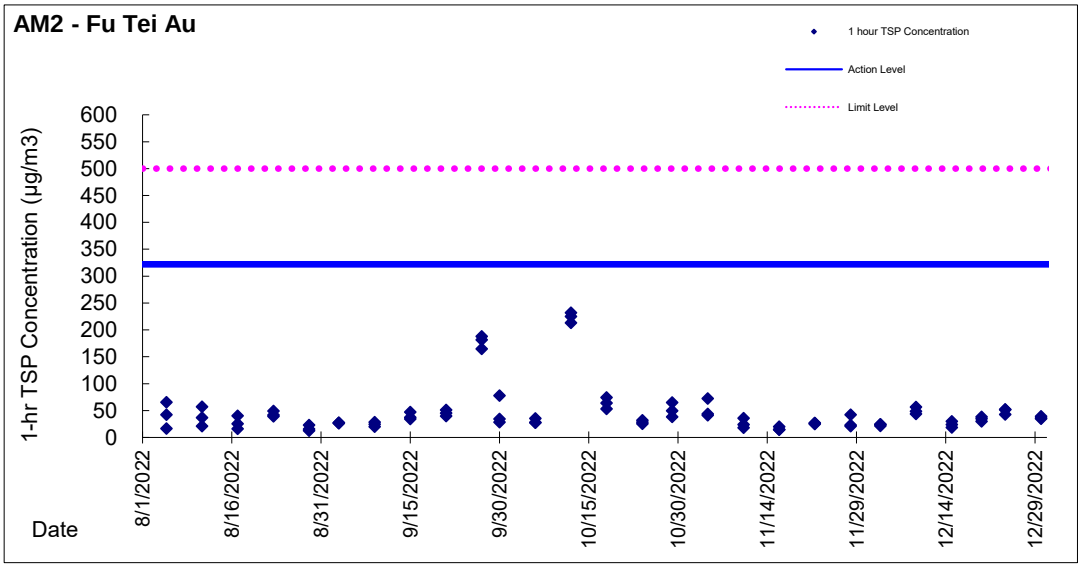


Appendix 3.5

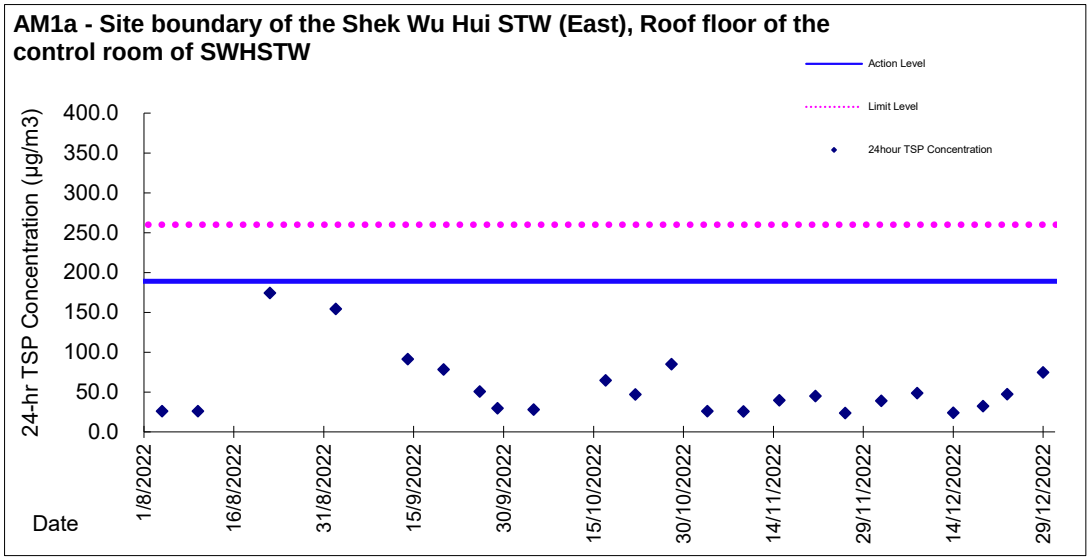
Air Quality Monitoring Graphical Presentations

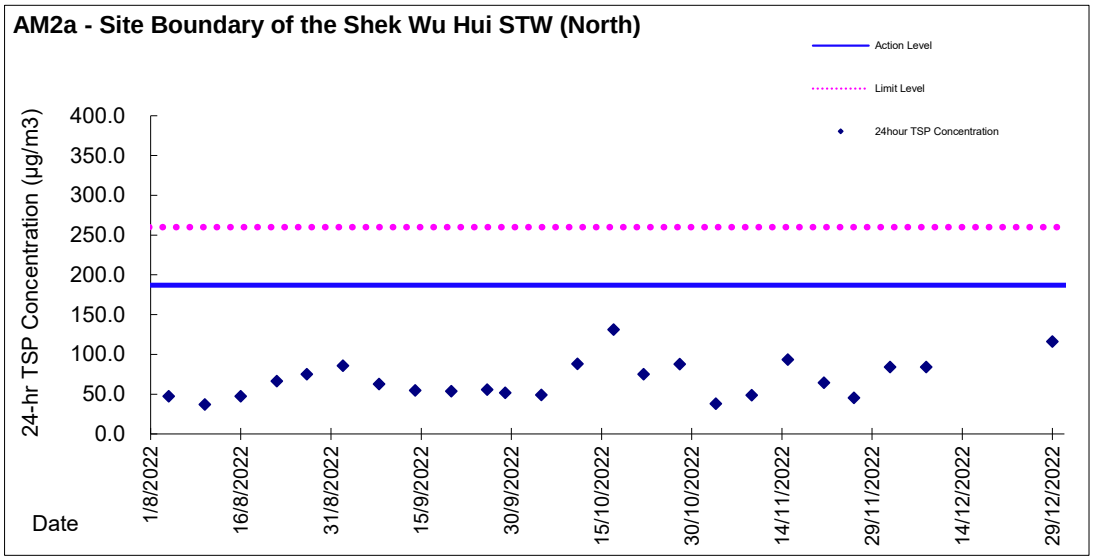
Graphic Presentation of TSP Result





Graphic Presentation of TSP Result





1. 24hr-TSP monitoring for AM2a conducted on 14 to 23 Dec 2022 were suspended due to power failure.

Appendix 3.6

Details of Ecological Monitoring Results in the Reporting Period

Details of Ecological Monitoring Results in the Reporting Quarter

Reporting period: October to December 2022

Summary Result of T-Test Analysis for All Waterbird

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.353)	99% (-4.541)
October 2022	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.132)	99% (-3.747)
November 2022	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.353)	99% (-4.541)
December 2022	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Remarks:
✓ = T-value falls within the confidence level; the impact monitoring data shows no significant difference to the baseline data.
+ = T-value falls outside the confidence level; the impact monitoring data shows significant difference to the baseline data.

Summary of Abundance of Representative Waterbirds in the Reporting Period

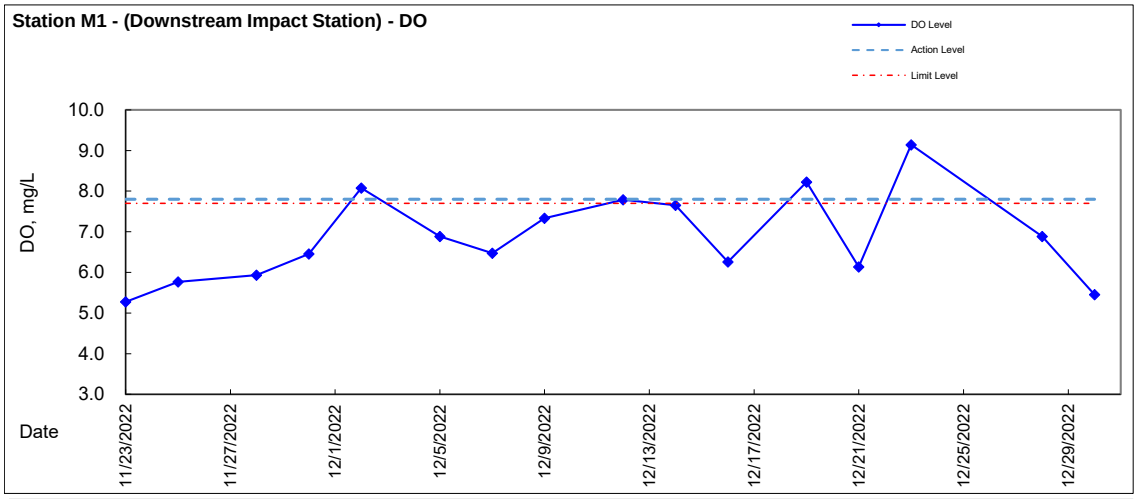
Representative Species			Compliance		
Species Name	**Common Name**	**Chinese Name**	**October 2022**	**November 2022**	**December 2022**
Egretta garzetta	Little Egret	小白鷺	✓	✓	✓
Ardea cinerea	Grey Heron	蒼鷺	✓	✓	✓
Ardeola bacchus	Chinese Pond Heron	池鷺	✓	✓	✓
Phalacrocorax carbo	Great Cormorant	普通鸕鷀	✓	✓	✓
Ardea alba	Great Egret	大白鷺	✓	✓	✓
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	✓	✓	✓

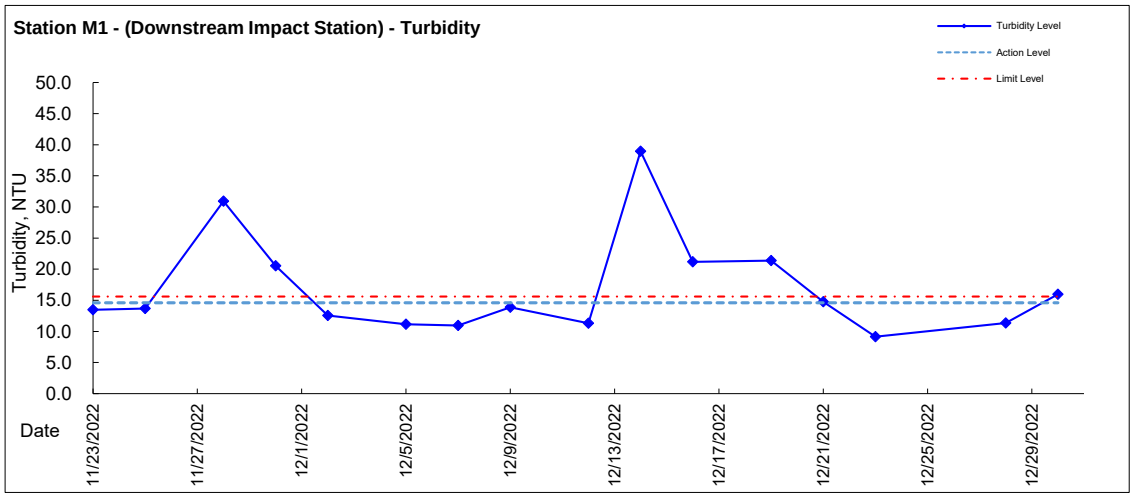
Remarks:
✓ = T-value falls within the confidence level; the impact monitoring data shows no significant difference to the baseline data.
✚ = T-value falls outside the confidence level; the impact monitoring data shows significant difference to the baseline data.
*= Great Cormorant (*Phalacrocorax carbo*) and Grey Heron (*Ardea cinerea*) were not recognised as representative waterbird species during wet season.

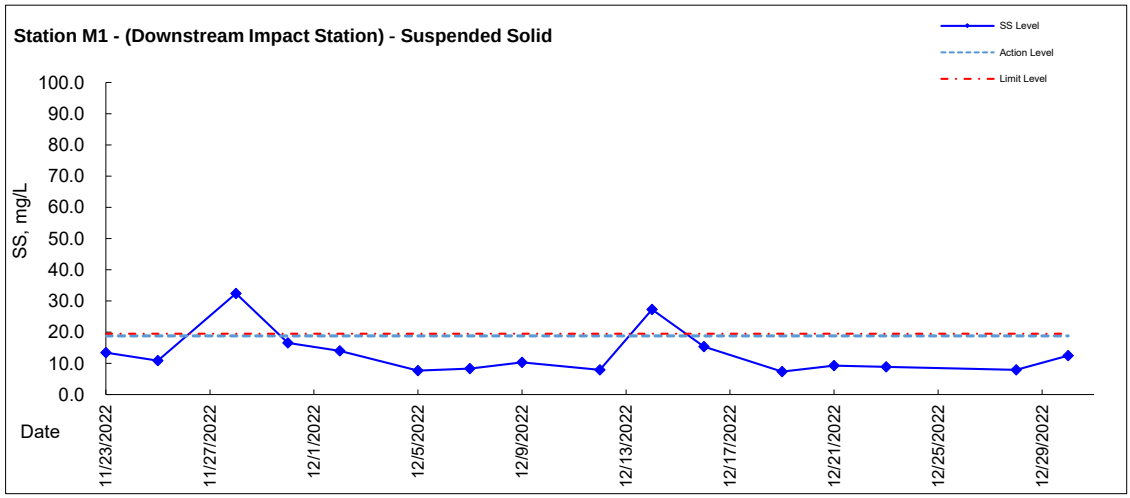
Appendix 3.7

Water Quality Monitoring Graphical Presentations

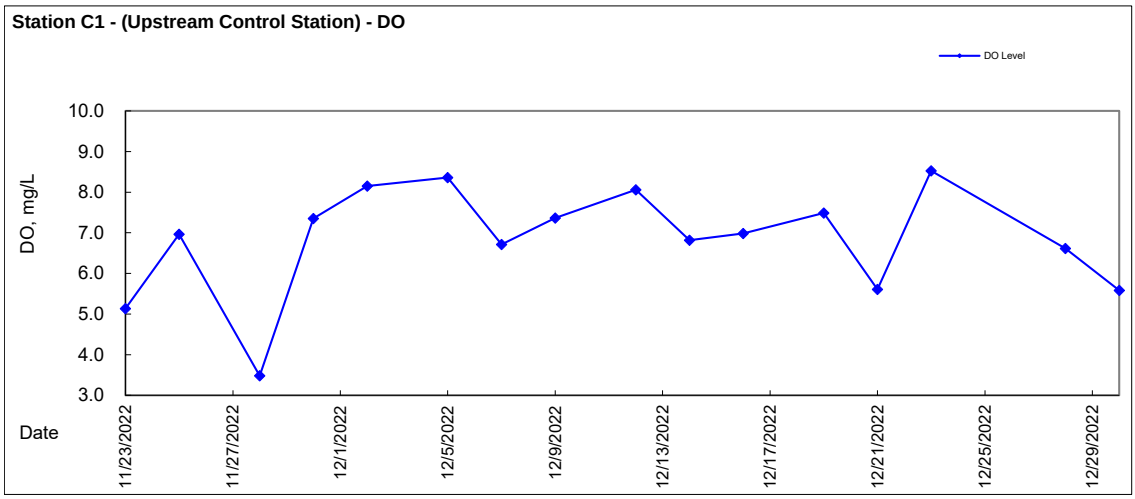
Graphic Presentation of WQM Result

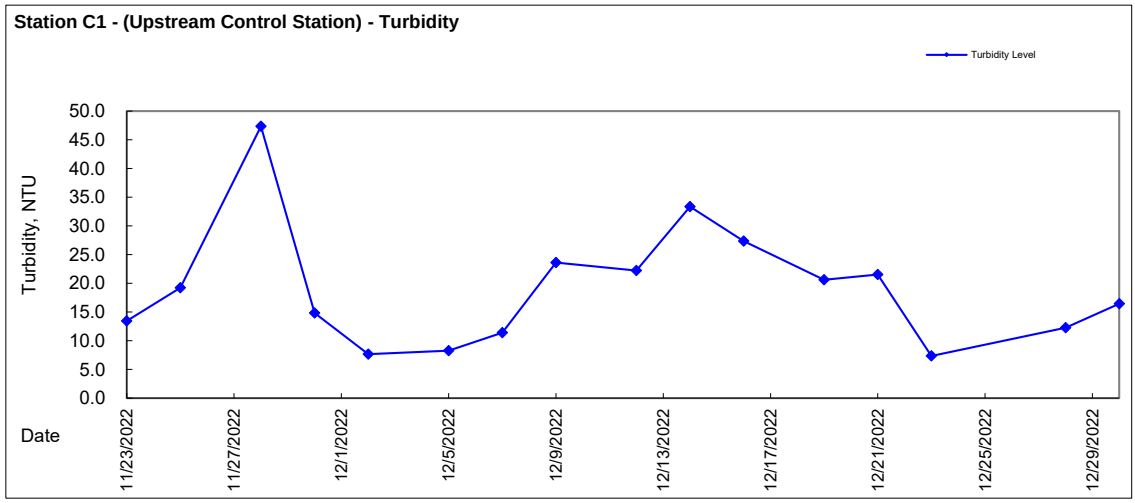


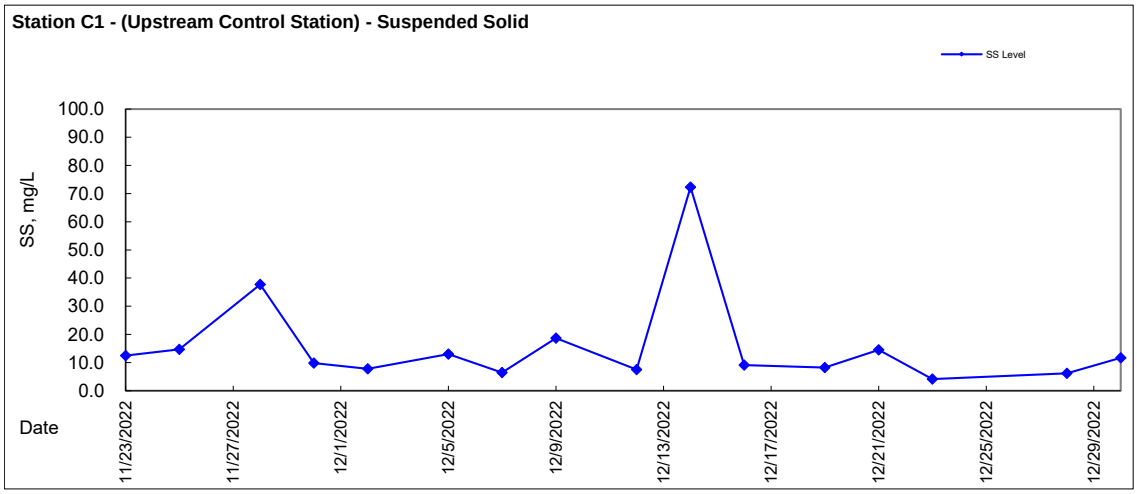




Graphic Presentation of WQM Result







Appendix 3.8

Waste Flow Table

Name of Department: DSD

Contract No. DC/2018/06

Monthly Summary Waste Flow Table for 2022

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
Jan	1.104	0.000	0.000	0.000	1.104	0.094	0.000	0.000	0.000	0.000	0.202
Feb	0.549	0.000	0.000	0.000	0.549	0.134	2.370	0.000	0.000	0.000	0.068
Mar	0.398	0.000	0.000	0.000	0.398	0.756	0.000	0.000	0.000	0.000	0.094
Apr	1.624	0.000	0.000	0.000	1.624	0.133	0.000	0.000	0.000	0.000	0.088
May	0.362	0.000	0.000	0.000	0.362	0.046	0.000	0.000	0.000	0.000	0.090
Jun	0.397	0.000	0.000	0.000	0.397	0.069	0.000	0.010	0.000	0.000	0.077
Sub-total	4.433	0.000	0.000	0.000	4.433	1.233	2.370	0.010	0.000	0.000	0.620
Jul	1.635	0.000	0.000	0.000	1.635	0.104	0.003	0.000	0.001	0.000	0.122
Aug	1.409	0.000	0.000	0.000	1.409	0.487	0.000	0.000	0.005	0.000	0.160
Sep	1.032	0.000	0.000	0.000	1.032	0.429	0.004	0.000	0.010	0.000	0.229
Oct	0.789	0.000	0.000	0.000	0.789	0.320	0.003	0.000	0.008	0.000	0.133
Nov	2.558	0.000	0.000	0.000	2.558	1.413	0.000	0.000	0.000	0.000	0.152
Dec	4.051	0.000	0.000	0.000	4.051	1.482	0.000	0.000	0.000	0.000	0.104
Total	15.906	0.000	0.000	0.000	15.906	5.470	2.379	0.010	0.023	0.000	1.521

Notes:

1. Assume the density of soil fill is 2 ton/m3.
2. Assume the density of rock and broken concrete is 2.5 ton/m3.
3. Assume the density of general refuse is 0.9 ton/m3.
4. Assume density of waste oil is assued to be 0.8 kg/L.
5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.
6. The slurry and bentonite are disposed at Tseung Kwun O 137.
7. The non-inert C&D wastes are disposed at NENT.

Name of Department: DSD

Contract No. DC/2018/07

Monthly Summary Waste Flow Table for 2022

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
Jan	4.980	0.000	0.000	0.813	4.167	0.000	7.15	0.000	0.004	0.000	0.012
Feb	3.400	0.000	0.000	0.639	2.761	0.000	5.71	0.000	0.000	0.000	0.010
Mar	3.050	0.000	0.000	0.073	2.977	0.000	0.00	0.000	0.000	0.000	0.019
Apr	2.037	0.000	0.000	0.112	1.925	0.000	0.00	0.000	0.000	0.000	0.016
May	1.076	0.000	0.000	0.000	1.076	0.000	2.14	0.000	0.000	0.000	0.016
Jun	2.515	0.000	0.000	0.034	2.481	0.000	0.00	0.010	0.001	0.000	0.020
Sub-total	17.057	0.000	0.000	1.671	15.386	0.000	15.00	0.010	0.005	0.000	0.093
Jul	3.222	0.000	0.000	0.000	3.222	0.000	0.00	0.000	0.005	0.000	0.031
Aug	4.151	0.000	0.000	0.000	4.151	0.000	0.00	0.000	0.003	0.000	0.026
Sep	2.735	0.000	0.000	0.000	2.735	0.000	0.00	0.000	0.007	0.000	0.042
Oct	9.779	0.000	0.000	1.937	7.842	0.000	0.00	0.000	0.006	0.000	0.029
Nov	12.967	0.000	0.000	0.000	12.967	0.232	0.00	0.000	0.000	0.000	0.027
Dec	13.033	0.000	0.000	0.000	13.033	0.000	0.00	0.000	0.000	0.000	0.655
Total	62.943	0.000	0.000	3.608	59.335	0.232	15.01	0.010	0.026	0.000	0.902

Notes:

1. Assume the density of soil fill and special waste (i.e. sediment from DSD sedimentation tank) is 2 ton/m3.
2. Assume the density of rock and broken concrete is 2.5 ton/m3
3. Assume the density of general refuse is 0.9 ton/m3
4. Density of waste oil is assued to be 0.8 kg/L. Chemical waste includes waste oil.
5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38
6. The slurry and bentonite are disposed at Tseung Kwun O 137
7. The non-inert C&D wastes, including general refuse & special waste (i.e. sediment from DSD sedimentation tank) are disposed at NENT

EM&A Monthly Reporting Template (cut-off at the end of each month)

Name of Department: ~~ArchSD/CEDD~~/DSD/~~EMSD/HyD/WSD~~ Contract No.: DE/2018/03

Monthly Summary Waste Flow Table for 2022 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	176.71 T	0	0	0	176.71 T	0	0	0.177	0.008	0	2.7T
Feb	83.58T	0	0	0	83.58T	0	0	0.132	0.003	0	0
Mar	0	0	0	0	0	0	0	0	0	0	3.06T
Apr	0	0	0	0	0	0	0	0.13	0.012	0	0
May	4029.56T	0	0	0	4029.56T	0	0	0	0	0	1.64T
June	5565.13T	0	0	0	5565.13T	0	0	0	0	0	1.19T
Sub-total	9854.98 T	0	0	0	9854.98 T	0	0	0.439	0.023	0	8.59
July	5374.59T	0	0	0	5374.59T	0	0	0	0	0	1.71T
Aug	149.1T	0	0	0	149.1T	0	0.006	0.646	0.005	0	0
Sept	43.17T	0	0	0	43.17T	0	0	0.108	0.007	0	3.61
Oct	57.6T	0	0	0	57.6T	0	0	0	0	0	2.13T
Nov	0	0	0	0	0	0	0	0.131	0.005	0	2.24
Dec	0	0	0	0	0	0	0	0.111	0.011	0	16.27T
Total	15479.44T	0	0	0	15479.44T	0	0.006	1.435	0.051	0	34.55T

Name of Department: DSD Contract No.: DE/2018/04

Monthly Summary Waste Flow Table for 2022 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 kg)
Jan	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0
Sub-total	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0
Sept	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	6.84
Nov	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	1.30
Total	0	0	0	0	0	0	0	0	0	0	8.14

Appendix 4.1

Summary of Notification of Exceedance

Summary for Notification of Exceedance

Reporting period: October to December 2022

Air Quality

Ref No.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up Action
-	-	-	-	-	-	-	-

Construction Noise

Ref. No.	Date	Time	Location	Construction Noise Level	Parameter	Action Level	Limit Level	Follow-up action
-	-	-	-	-	-	-	-	-

Ecology: Nil

Water Quality

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up
SWH_001_W	23/11/2022	M1	DO(mg/L)	5.28 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
SWH_002_W	25-Nov-22	M1	DO (mg/L)	5.77 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
SWH_003_W	28-Nov-22	M1	DO (mg/L)	5.93 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	30.9 NTU (Limit Level Exceedance)	>14.6 NTU />120 % of C1	>15.6 NTU / >130 % of C1	After investigation, the exceedance was considered non-project related.
			SS (mg/L)	32.4 mg/L) (Limit Level Exceedance)	>18.8 mg/L/ >120% of C1	>19.5 mg/L / >130% of C1	After investigation, the exceedance was considered non-project related.
SWH_004_W	30-Nov-22	M1	DO (mg/l)	6.46 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	20.6 NTU (Limit Level Exceedance)	>14.6 NTU />120 % of C1	>15.6 NTU / >130 % of C1	After investigation, the exceedance was considered non-project related.
			SS (mg/L)	16.6 mg/L (Limit Level Exceedance)	>18.8 mg/L/ >120% of C1	>19.5 mg/L / >130% of C1	After investigation, the exceedance was considered non-project related.

SWH_005_W	2-Dec-22	M1	Turbidity (NTU)	12.5 NTU (Limit Level Exceedance)	>9.20 NTU (120 % of C1)	> 9.96 NTU (130 % of C1)	After investigation, the exceedance was considered non-project related.
			SS (mg/L)	14.00 mg/L (Limit Level Exceedance)	9.36 mg/L (120 % of C1)	10.14 mg/L (130 % of C1)	
SWH_006_W	5-Dec-22	M1	DO (mg/l)	6.89 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	11.2 NTU (Limit Level Exceedance)	>9.91 NTU (120 % of C1)	> 10.74 NTU (130 % of C1)	
SWH_007_W	7-Dec-22	M1	DO (mg/l)	6.47 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			SS (mg/l)	8.35 mg/l (Action Level Exceedance)	>7.74 mg/l (120 % of C1)	> 8.39 mg/l (130 % of C1)	
SWH_008_W	9-Dec-22	M1	DO (mg/l)	7.34 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
SWH_009_W	12-Dec-22	M1	DO (mg/l)	7.79 mg/L (Action Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
SWH_010_W	14-Dec-22	M1	DO (mg/l)	7.65 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	39.0 NTU (Limit Level Exceedance)	>14.6 NTU	>15.6 NTU	
			SS (mg/L)	27.30 mg/L (Limit Level Exceedance)	>18.8 mg/L	>19.5 mg/L	

SWH_011_W	16-Dec-22	M1	DO (mg/l)	6.26 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	21.2 NTU (Limit Level Exceedance)	>14.6 NTU	>15.6 NTU	
			SS (mg/L)	15.35 mg/L (Limit Level Exceedance)	>10.98 mg/L (120 % of C1)	>11.90 mg/L (130 % of C1)	
SWH_012_W	19-Dec-22	M1	Turbidity (NTU)	21.4 NTU (Limit Level Exceedance)	>14.6 NTU	>15.6 NTU	After investigation, the exceedance was considered non-project related.
SWH_013_W	21-Dec-22	M1	DO mg/L	6.14 mg/L (Limit Level Exceedance)	<7.8 mg/L	<7.7 mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	14.8 NTU (Action Level Exceedance)	>14.6 NTU	>15.6 NTU	
SWH_014_W	23-Dec-22	M1	Turbidity (NTU)	9.4 NTU (Action Level Exceedance)	>8.76 NTU (120% of C1)	>9.49 NTU (130% of C1)	After investigation, the exceedance was considered non-project related.
			SS (mg/L)	8.45 mg/L (Limit Level Exceedance)	>4.98 mg/L (120% of C1)	>5.40 mg/L (130% of C1)	
SWH_015_W	28-Dec-22	M1	DO (mg/L)	6.89 mg/L (Limit Level Exceedance)	7.8 mg/L	7.7 mg/L	After investigation, the exceedance was considered non-project related.
			SS (mg/L)	7.90 mg/L (Action Level Exceedance)	>7.38 mg/L (120% of C1)	>8.00 mg/L (130% of C1)	
SWH_016_w	28-Dec-22	M1	DO (mg/l)	5.45 mg/L (Limit Level Exceedance)	<7.80mg/L	<7.70mg/L	After investigation, the exceedance was considered non-project related.
			Turbidity (NTU)	15.9 NTU (Limit Level Exceedance)	>14.6 NTU	>15.6 NTU	

Appendix 4.2

Site Audit Summary

Site Audit Summary

Reporting Quarter: October to December 2022

Contract No.: DC/2018/06		
Date	**Observations and recommendations**	**Follow-up and status**
October		
7 Oct 2022	No particular findings	-
10 Oct 2022	No particular findings	-
18 Oct 2022	To cover up the exposed stockpiles with tarpaulin near SDB.	Rectified on 25 Oct 2022.
25 Oct 2022		
November		
1 Nov 2022	No particular findings	-
11 Nov 2022	No particular findings	-
15 Nov 2022	No particular findings	-
21 Nov 2022	The Contractor was reminded to provide a drip tray to chemical containers placed at SD.	Rectified on 29-Nov-2022.
29 Nov 2022	Chemical waste containers placed without drip tray was observed at CHP. The Contractor was advised to provide a drip tray to the chemical containers stored onsite.	Rectified on 9-Dec-2022.
	The Contractor was reminded to provide a cover to the cement bag stored at roof of SDB.	Rectified on 9-Dec-2022.
December		
9 Dec 2022	Silt was observed at vehicle exit. The Contractor was advised to provide wheel washing to the leaving vehicle.	Rectified on 15-Dec-22.
15 Dec 2022	Soil was observed outside of site boundary near SDB. The Contractor was advised to provide preventive measures to ensure no construction material will be dropped into public area during the transporting process.	Rectified on 20-Dec-22.
20 Dec 2022	No particular findings	-
28 Dec 2022	The stockpile should be watering to remain surface wet.	Rectified on 3-Jan-23.
	The chemical containers should be placed properly inside the drip tray with enough capacity.	Rectified on 3-Jan-23.

Contract No.: DC/2018/07		
Date	**Observations and recommendations**	**Follow-up and status**
October		
7 Oct 2022	No particular findings	-
10 Oct 2022	To clear the clogged drip tray near PST.	Rectified on 18 Oct 2022.
18 Oct 2022	No particular findings	-
25 Oct 2022	No particular findings	-
November		
1 Nov 2022	The Contractor was reminded to provide a drip tray to the chemical containers placed onsite.	Rectified on 4-Nov-2022
11 Nov 2022	The Contractor is reminded to maintain works area access for site vehicle free from loose material to prevent dust emission.	Rectified on 15-Nov-2022
	Unknown tree within sewage treatment plant area shall be fenced off to prevent unauthorized used / storage near the protection zone.	Rectified on 15-Nov-2022
15 Nov 2022	No particular findings	-
21 Nov 2022	Oil stain was observed at the earth near inert. The Contractor was advised to remove the oil stain and treat it properly.	Rectified on 29-Nov-2022.
29 Nov 2022	Breaking work conducted without dust control measure was observed at BR. The Contractor was advised to provide watering to the dusty work conducted onsite.	Rectified on 9-Dec-2022.
December		
9 Dec 2022	The Contractor was reminded to update the CNP, which displayed at site entrance	Rectified on 20-Dec-22.
15 Dec 2022	No particular findings	-
20 Dec 2022	No particular findings	-
28 Dec 2022	No particular findings	-

Contract No.: DE/2018/03		
Date	Observations and recommendations	Follow-up and status
October		
7 Oct 2022	No particular findings	-
11 Oct 2022	No particular findings	-
18 Oct 2022	No particular findings	-
25 Oct 2022	No particular findings	-
November		
1 Nov 2022	The Contractor was reminded to display the discharge license on proper area.	Rectified on 18-Nov-2022.
8 Nov 2022	The Contractor was reminded to maintain the performance of the Wetsep.	Rectified on 18-Nov-2022.
15 Nov 2022	No particular findings	-
22 Nov 2022	No particular findings	-
29 Nov 2022	No particular findings	-
December		
6 Dec 2022	No particular findings	-
13 Dec 2022	No particular findings	-
20 Dec 2022	No particular findings	-
28 Dec 2022	Dust measures (water spraying or regular cleaning) should be adopted for the dusty ground.	Rectified on 3-Jan-23.

Contract No.: DE/2018/04		
Date	Observations and recommendations	Follow-up and status
October		
7 Oct 2022	No particular findings	-
11 Oct 2022	No particular findings	-
18 Oct 2022	No particular findings	-
25 Oct 2022	No particular findings	-
November		
1 Nov 2022	No particular findings	-
8 Nov 2022	No particular findings	-
15 Nov 2022	No particular findings	-
22 Nov 2022	No particular findings	-
29 Nov 2022	No particular findings	-
December		
6 Dec 2022	No particular findings	-
13 Dec 2022	No particular findings	-
20 Dec 2022	No particular findings	-
28 Dec 2022	No particular findings	-

Appendix 5.1

Summary of Complaints, Notification of Summons and Successful Prosecution

Summary of Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
1	18 March 2020	EPD	Expansion Site of SWHSTP (Portion C)	Water contamination	Muddy water was suspected to be discharged from the expansion site of SWHSTP to Shek Sheung River, manholes and foul drains nearby The investigation and mitigation measures included - Employed suction truck and dump truck to clear the silt and mud at Shek Sheung River - Arranged to repair the wastewater treatment system - Installed additional sedimentation tanks and wastewater treatment system to increase the on-site treatment capacity - Clean the slurry sediment released from the outlet regularly by suction trucks - Avoid damage of underground drains and pipes caused by existing construction works - Avoid illegal discharge from the Site into foul drains and manholes	Closed
2	19 February 2021	EPD	SWHEPP	Odour nuisance	Significant odour nuisance was suspected to be emitted from the construction activities of SWHEPP The investigation and mitigation measures included - Ensured only PMEs with valid NRMM label were used on-site - Conducted regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart - Used ULSD for diesel-powered equipment - Provided water spraying and water sprinklers system for haul road access and demolition works - Used battery powered solution to provide power to the tower crane - Provided cover for all rubbish bins on-site - Separated general refuse from construction waste	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
3	9 August 2021	EPD	SWHEPP	Air Quality	Air nuisance was suspected to be originated from the construction activities of SWHEPP The investigation and mitigation measures included - Ensured only PMEs with valid NRMM label were used on-site - Conducted regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart - Used ULSD for diesel-powered equipment - Used battery powered solution to provide power to the tower crane - Carried out plant maintenance in a timely manner	Closed
20220304	4 March 2022	EPD	SWHEPP	Odour nuisance	The complainant alleged the odour nuisance was sourced from the construction site of Shek Wu Hui Effluent Polishing Plant on 4 March 2022. Thus, all four contracts (Contract Nos. DC/2018/06, DC/2018/07, DE/2018/03 and DE/2018/04) were involved in the complaint investigation. After investigation, no construction activities undertaken by all four contracts was associated with the odour nuisance received on 4 March 2022. Nevertheless, the contractors were reminded and recommended to: • Ensure only equipment with valid NRMM label is allowed to be used at site and regular maintenance of equipment • Provide regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart • Use ULSD as fuel for diesel-powered equipment • Maintain proper segregation and storage of general refuse	Closed on 22 April 2022 as confirmed with EPD.

Summary of Notification of Summons and Successful Prosecution

Reporting period: October to December 2022

Log No.	Date	Received From and Received By	Location	Outcome	Status
-	-	-	-	-	-

Remarks: No environmental warning/summon and prosecution was received in the reporting period.