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TEST REPORT



China Harbour Engineering Co Ltd

Contract No.: CV/2021/09 Handling of Surplus Public Fill (2022-2023)

TUEN MUN AREA 38 FILL BANK

QUARTERLY EM&A SUMMARY REPORT NO.05

(FROM JANUARY 2023 TO MARCH 2023)

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Assistant Environmental Officer

Checked by: LAU, Chi Leung

Environmental Team Leader

Issue Date: 12 May 2023

Report No.: ENA32250

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Our Ref: PL-202306015

ETS-Testconsult Limited 8/F, Block B, Veristrong Industrial Centre 34-36 Au Pui Wan Street Fo Tan, Hong Kong

Attention: Mr. C L Lau

14 June 2023

Dear Mr. Lau,

RE: Contract No. CV/2021/09 Handling of Surplus Public Fill (2022-2023) <u>Quarterly EM&A Report (No. 5) for January to March 2023 for the Tuen Mun Area 38 Fill</u> <u>Bank</u>

Reference is made to your submission of the Quarterly EM&A Report for January to March 2023 for the Tuen Mun Area 38 Fill Bank, we are pleased to inform you that we have no adverse comment on the captioned report.

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

Yours faithfully,

Toam Jan Bearg

F. C. Tsang Independent Environmental Checker

cc. CEDD – Mr. T M YEUNG



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EXECUTIVE SUMMARY

This is Quarterly Environmental Monitoring and Audit (EM&A) Summary Report No.05 prepared by ETS-Testconsult Ltd (ET) for the "Contract No. CV/2021/09 Handling of Surplus Public Fill (2022-2023) – Tuen Mun (TM) Area 38 Fill Bank" (The Project).

This report documents the findings of EM&A Works conducted during the operation phase of Fill Bank at Tuen Mun Area 38 from 01 January 2023 to 31 March 2023.

Site Activities

As informed by the Contractor, the site activities in this reporting quarter were as below:

As informed by the	e contractor, the site activities in this reporting quarter were as below.
January 2023	 Operation of the Public Fill Reception Facilities at Tuen Mun Fill Bank (TMFB); Operation and Maintenance of Crushing plant at TMFB; Delivery of public fill to Taishan at TMFB; Operation of the Integrated Public Fill Reception at TMFB; Operation and Maintenance of Wheel Washing Bays and Facilities at TMFB; Operation and Maintenance of Wash House at TMFB Operation and Maintenance of Wash House at TMFB Operation and Maintenance of Wash House at TMFB Operation and Maintenance a Digital Works Supervision System of Moving Plant at TMFB; Operation of a New Soil Platform for Preliminary Sorting of Public Fill at TMFB; Operation of Concrete Slab at Wet Deposition Platform in TMFB Operation of Al System for Crushing Plant at TMFB Implementation of C Easy system at TMFB (phase 1)
February 2023	 Operation of the Public Fill Reception Facilities at Tuen Mun Fill Bank (TMFB); Operation and Maintenance of Crushing plant at TMFB; Delivery of public fill to Taishan at TMFB; Operation of the Integrated Public Fill Reception at TMFB; Operation and Maintenance of Wheel Washing Bays and Facilities at TMFB; Operation and Maintenance of Wash House at TMFB Operation and Maintenance a Wash House at TMFB Personnel Position Tracking and Proximity Detection System of Moving Plant at TMFB; Operation of a New Soil Platform for Preliminary Sorting of Public Fill at TMFB; Operation of Concrete Slab at Wet Deposition Platform in TMFB Operation of Al System for Crushing Plant at TMFB Implementation of C Easy system at TMFB (phase 1) Carry out GCO Probe test and SRT Land Cone Penetration tests was carried out at TMFB in progress Preparation works for temporary storage of containers
March 2023	 Operation of the Public Fill Reception Facilities at Tuen Mun Fill Bank (TMFB); Operation and Maintenance of Crushing plant at TMFB; Delivery of public fill to Taishan at TMFB; Operation of the Integrated Public Fill Reception at TMFB; Operation and Maintenance of Wheel Washing Bays and Facilities at TMFB; Operation and Maintenance of Wash House at TMFB Personnel Position Tracking and Proximity Detection System of Moving Plant at TMFB; Operation and Maintenance a Digital Works Supervision System (DWSS) for TMFB; Operation of a New Soil Platform for Preliminary Sorting of Public Fill at TMFB; Operation of Concrete Slab at Wet Deposition Platform in TMFB Operation of AI System for Crushing Plant at TMFB (phase 1) Carry out GCO Probe test and SRT Land Cone Penetration tests was carried out at TMFB in progress Preparation works for temporary storage of containers

Environmental Monitoring Works

Air Monitoring

No exceedance of Action and Limit levels was recorded for 1-hr and 24-hr TSP monitoring in this quarter.



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Marine Water Quality Monitoring

According to the summary of marine water monitoring results, no exceedance of Action and Limit levels was recorded in this quarter.

Noise Monitoring

No exceedance of Action and Limit levels for noise monitoring was recorded in this quarter.

Environmental Complaints, Notification of summons and successful prosecutions

No complaint, notification of summon and prosecution with respect to environmental issues was received in this quarter.



1.0 INTRODUCTION

China Harbour Engineering Co Ltd (CHEC) appointed Environmental Team (ET) of ETS-Testconsult Limited (ETL) to undertake the Environmental Monitoring and Audit (EM&A) for the "Contract No: CV/2022/09 –Handling of Surplus Public Fill (2022-2023) – Tuen Mun (TM) Area 38 Fill Bank" (The Project).

In accordance with the Condition 4 of Part C of Environmental Permit (No.: EP-210/2005/E) (the EP), an EM&A programme as set out in the Project Profile should be implemented. The EM&A programme requires environmental monitoring for air quality, water quality and environmental site inspections for air quality, noise quality, water quality, landscape and visual, and waste management.

Baseline monitoring was completed in May 2003 by Stanger Asia Ltd. Action and Limit Levels were established for air and water quality parameters based on the baseline monitoring results.

This quarterly report documented the findings of EM&A Works conducted during the operation phase of Fill Bank at Tuen Mun Area 38 from January 2023 to March 2023.

2.0 **PROJECT INFORMATION**

2.1 Work Programme in this Reporting Quarter

Details of work programme are shown in Appendix G.

2.2 Project Organization and Management Structure

The project organization chart is shown in Appendix A.

2.3 Contact Details of Key Personnel

The key personnel contact names and telephone numbers are shown in Table 2.1.

Organization	Name of Key Staff	Project Role	Tel. No.	Fax No.	
CEDD	Mr. C W Au Yeung, Andrew Cheung	Engineer's Representative	2623 9267/ 2762 5588	2714 0113	
IEC (Acuity)	Mr. F C Tsang	IEC	2698 9097	2333 1316	
Contractor (CHZH-JV))	Zhou Chang Ying	Senior Project Manager	96266299	22474108	
ET (ETL)	C. L. Lau	ET Leader	2946 7791	2695 3944	

Table 2.1 Contact Details of Key Personnel

3.0 SUMMARY OF EM&A REQUIREMENTS

3.1 EM&A Programme

The EM&A programme required environmental monitoring for air, marine water and environmental site inspections for air, marine water, landscape and visual, and waste management. The EM&A requirements for each parameter described in the following sections include:

- All monitoring parameters;
- Monitoring schedules for the reporting month and forthcoming months;
- Action and Limit levels for all environmental parameters;
- Event/Action Plans;
- Environmental mitigation measures, as recommended in the Project EIA study final report; and
- Environmental requirements in contract documents.

The advice on implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 5 of the Report.



3.2 Monitoring Stations and Parameters

The EM&A Manual designates several locations to monitor environmental impacts in terms of air quality, noise and water quality due to the Project. The description and detailed locations of monitoring stations for air quality, noise and marine water quality are shown in Figures 1, 2 and 3 and relevant sections of this Report.

3.3 Monitoring Methodology and Calibration Details

All monitoring works were conducted and monitoring equipment was calibrated in according with the EM&A Manual.

3.4 Environmental Quality Performance Limits (Action/Limit Levels)

The environmental quality performance limits, i.e. Action/Limit Levels (AL Levels) were derived from the baseline monitoring results. If the measured environmental quality parameters exceed the AL Levels, the respective action plan will be implemented. The AL Levels for each monitoring parameter are given in Appendix E. The event action plan is given in Appendix F.

3.5 Environmental Mitigation Measures

Relevant mitigation measures were recommended in the EM&A Manual for the Contractor to implement. A list of mitigation measures is given in Appendix H.

4.0 MONITORING RESULTS

4.1 Air Quality

In accordance with the EM&A Manual, 1-hr and 24-hr TSP air quality monitoring are to be conducted three times and one time per six days correspondingly. In the reporting quarter, no exceedances of Action and Limit levels were recorded for 1-hr and 24-hr TSP monitoring. The monitoring trend of air quality during the reporting quarter are given in Appendix B.

Major dust sources in the Fill Bank were dump truck traffic and hauling activities.

Table 4.1 presents the number of exceedances recorded in each month of the reporting quarter. The number of monitoring event included regular monitoring events and additional ones.

Monitoring Parameter	Level of Exceedance	January 2023	February 2023	March 2023
24-hr TSP	No of monitoring events	5	5	5
	Action Level	0	0	0
	Limit Level	0	0	0
1-hr TSP	No of monitoring events	15	14	16
	Action Level	0	0	0
	Limit Level	0	0	0

 Table 4.1
 Summary of Number of Exceedances for 1-hr and 24-hr TSP Monitoring

4.2 Noise

Since Lands Dept did not approve to carry out noise monitoring at their own area where the noise monitoring stations TM-N1 and TM-N2 located due to the security, noise monitoring carried out at two noise monitoring stations TM-RN1 and TM-RN2 (refer to the figure attached) from 18 December 2007.

No exceedance was recorded in this reporting quarter.



4.3 Marine Water Quality

In accordance with the Project Profile, impact marine water quality monitoring was conducted at two control monitoring stations (TM-FC1 and TM-FC2) and two impact monitoring stations (TM-FM1and TM-FM2) in this quarter.

Impact marine water quality monitoring was conducted three days per week. Measurements were taken at both mid-ebb and mid-flood tides at three depths (i.e. 1m below surface, mid depth and 1m above seabed). The AL Levels are included in Appendix E.

According to the summary of marine water monitoring results, no exceedance of action and limit level was recorded in this quarter. Table 4.2 presents the total number of marine water quality exceedances in the reporting quarter. The trend of marine water quality in the past three months is depicted in Appendix D.

Parameter	Exceedance Level	January 2023	February 2023	March 2023
Number of monitoring day	/s	12	12	14
Dissolved Oxygen, DO	Action	0	0	0
(S&M)	Limit	0	0	0
Dissolved Oxygen, DO	Action	0	0	0
(B)	Limit	0	0	0
Turbidity	Action	0	0	0
	Limit	0	0	0
Suspended Solids, SS	Action	0	0	0
	Limit	0	0	0

Table 4.2 Total Number of Marine Water Quality Exceedances in this quarter

A comparison between the quarterly mean/median of SS and the 1.3 times of the baseline mean was made for each tide at each station. The statistical analysis results are given in Appendix I. Monitoring stations with significant difference (p<0.05) is summarized in Table 4.3.

Table 4.3Summary of Statistically Significant Results of SS

Monitoring Station		Significant difference	
		Mid-flood	Mid-ebb
Designated Control Station	FC1	X	X
Designated Control Station	FC2	X	Х
Designated Manitoring Station	FM1	X	X
Designated Monitoring Station	FM2	X	X

5.0 INSPECTION RESULTS

5.1 Implementation Status of Environmental Mitigation Measures

ET conducted weekly site inspections to monitor the Contractor's implementation of environmental mitigation measures. In this reporting period, thirteen weekly site inspections were conducted.

Air quality was the major environmental issue in the reporting quarter. The Contractor generally implemented most of the environmental mitigation measures in the reporting quarter. Dump truck traffic was the major dust source in the Fill Bank. Generally, the Contractor implemented adequate dust mitigation measures in the reporting quarter including dampening of haul roads, water spraying on the truckloads, during loading and unloading of material and for crushing plant, operation of automatic wheel washing facilities, dampening of fill material prior to handling or stockpiling, etc.

The major noise source was dump truck traffic in the Fill Bank. All site equipment and machinery were well maintained and no noise nuisance was observed during operating.

Drainage channels and wastewater treatment facilities were found maintained in good condition for merit function. The Contractor arranged site workers to clean up the silt and mud regularly.



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Although there were a few observations regarding accumulation of mud and silt inside the drainage channel and stagnant water, the Contractor rectified most of these problems. Besides, the Contractor was reminded to clear the accumulated mud and silt to avoid any blockage and clean the stagnant water properly.

Overall site area was found tidy and clean. The Contractor was reminded to collect and dispose of the general refuse and other C&D waste in a timely manner.

5.2 Status of Environmental Licensing and Permitting

The status of licences and permits is summarized in Table 5.1.

Description Permit No. Valid Period Section				
Description	i ennitivo.	From To		Section
Environmental	EP-	25/05/20	31/12/23	Issued
Permit Chemical Waste Producer	210/2005/E 5296-421- C1186-33	20/04/17		Spent battery containing heavy metals and spent lubricating oil
Effluent Discharge License	WT0004275 5-2022	21/02/23	29/02/28	Effluent arising from vehicle washing and dust suppression activities and contaminated surface runoff treated by screening facilities and sedimentation tanks (sedimentation and chemical precipitation).
Marine Dumping Permit	EP/MD/23- 083	07/02/23	31/03/23	Approval for dumping 499,999 tons (approximately equal to 277,777 cu.m. bulked quantity) of Public Fill (Reclamation Materials) from Tseung Kwan O Area 137 Fill Bank and Tuen Mun Area 38 Fill Bank to designated dumping area at Guanghaiwan of Taishan
Billing Account for Waste Disposal	7042821	22/05/17	End of project	
Notification Pursuant to Section 3(1) of the Air Pollution Control (Construction Dust)	475208	12/04/17	End of project	

Table 5.1Summary of environmental licensing and permit status

5.3 Advice on Solids and Liquid Waste Management Status

Table 5.2 summarizes data on offsite waste disposal in the quarter.

Table 5.2Estimated Offsite Waste Disposal in the Reporting Quarter

Waste Type	January 2023	February 2023	March 2023
Public Fill ('000m³)	0	0	0
C&D Waste (general refuse) ('000kg)	33.44	34.26	45.38
Chemical Waste e.g. Waste oil (L) / Chemical Waste (kg)	0(L)	0(L)	0(L)



6.0 NON-COMPLIANCE OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS

6.1 Summary of Non-compliance

According to the monitoring results, no action and limit level exceedance was recorded in this quarter.

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

Since no non-compliance was recorded in this quarter, no review was required.

6.3 Summary of Actions Taken

Since no exceedance was recorded in this quarter, no further action was required.

6.4 Summary of Environmental Complaint, Notification of Summon and Successful Prosecution Handling

No complaint, notification of summon and prosecution with respect to environmental issue was received in this quarter.

A summary of environmental complaints and prosecutions was given in Table 6.1.

Period	Complaints logged	Summon served	Successful Prosecution		
January 2023	0	0	0		
February 2023	0	0	0		
March 2023	0	0	0		
Cumulative	7	0	0		

 Table 6.1
 Summary of Environmental Complaints and Prosecutions

7.0 COMMENTS, CONCLUSIONS AND RECOMMENDATION

Major activity in the Fill Bank was the import and dumping of fill materials in this quarter. Air quality was the major environmental issue in the Fill Bank. Generally, the Contractor implemented most of the mitigation measures to minimize the dust impact.

No exceedance of action and limit levels was recorded for 1-hr and 24-hr TSP monitoring in the reporting quarter.

According to the marine water monitoring results in this quarter, no exceedance of action and limit level was recorded.

The noise level measured at the monitoring station complied with the Limit Level of 65dB(A). No complaint was received regarding noise issue in this reporting quarter.

No complaint, prosecution or notification of summons was received in this quarter.

According to the ET weekly site inspection and IEC site audits carried out in this quarter, it was indicated that site practices of the Contractor were generally undertaken in an environmentally acceptable manner and the overall site environmental performance was up to standard.

According to the environmental site inspections performed in the reporting quarter, the following recommendations were provided:

Air Quality

- Ensure the frequency of water spraying on haul roads, unloading areas and stockpiles to be sufficient to suppress the dust sources;
- Provide proper maintenance for the powered mechanical equipment and barges to avoid emission of dark smoke;
- Provide water spraying onto the truckloads during inspection of fill material;



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- Conduct road sweeping on all paved haul roads and public roads especially outside and near the site egress by the road sweeper. Undertake water spraying on stockpiling area by water bowser;
- Erect adequate speed limit signs to advise the truck drivers of the speed limit;
- Operate mist spraying systems and automatic water sprinklers in the Fill Bank;
- Implement the dust mitigation measures for the construction activities;
- Designate proper haul roads to ensure effective water spraying; and
- Ensure all vehicles to be washed before leaving the site egress by provision, operation and maintenance of automatic wheel washing facilities.

Noise

- Conduct noisy activities at a farther location from the NSRs.
- Proper schedule of noisy operation and use of quiet machineries on site.

Water Quality

- Maintain the drainage system, including the trapezoidal channels and permanent desilting chambers regularly; and
- Remove the stagnant water or provide approved pesticides for the stagnant water in the permanent desilting chambers, if any.

Chemical and Waste Management

- Remove waste materials from the site to avoid accumulation regularly;
- Handle and store chemical wastes properly;
- Remove unwanted material in the existing stockpiles and avoid further dumping of such material;
- Provide and maintain sufficient drip trays for diesel drums, chemical containers, chemical waste storage drums and diesel operated generator set;
- Maintain good housekeeping at the workshop area;
- Ensure sufficient tarpaulin sheets are provided to cover drip trays; and
- Avoid soil being polluted during oil filling and equipment maintenance; hence, properly remove and store the contaminated soil, if any.

Landscape and Visual

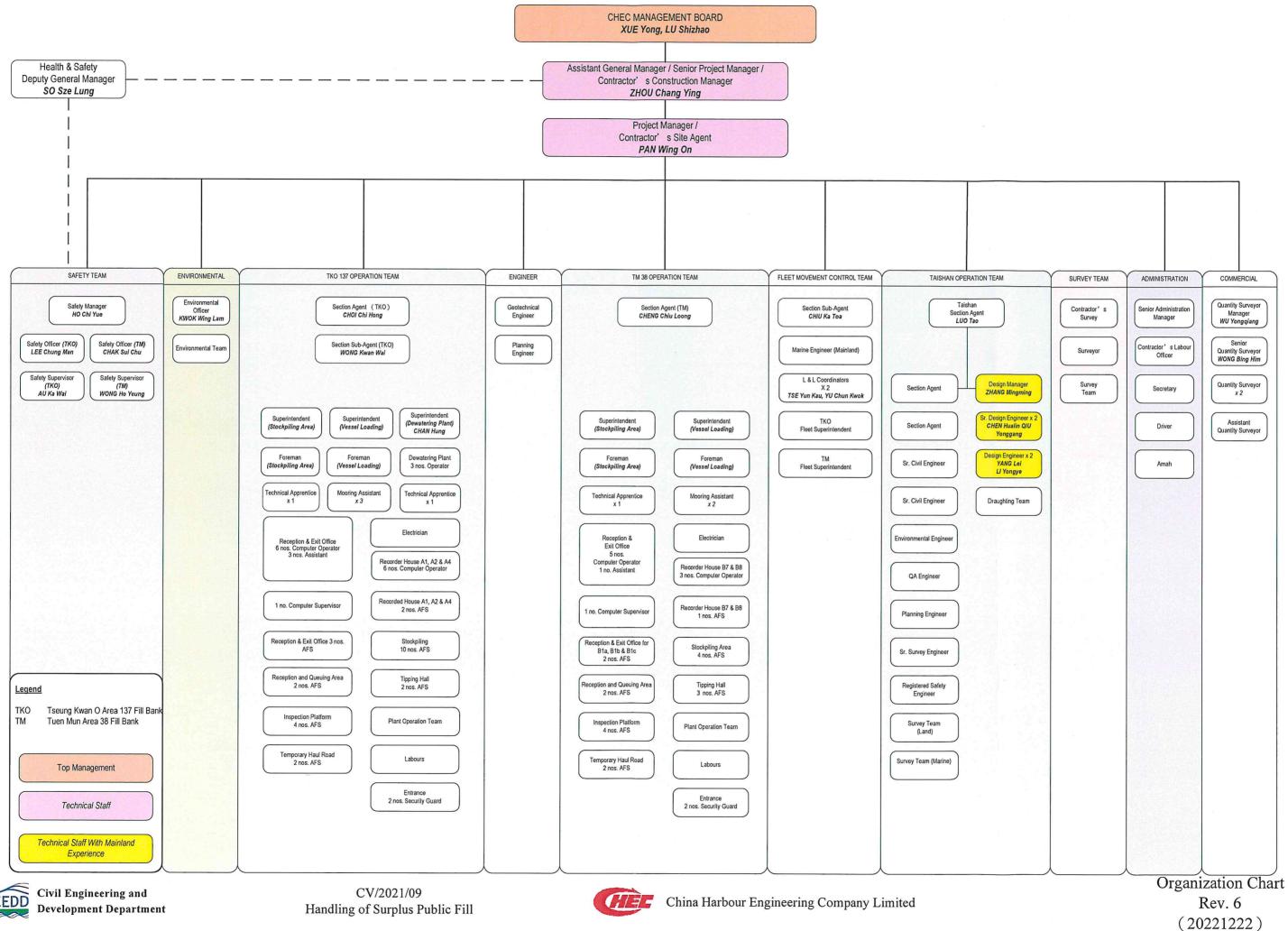
- Provide hydroseeding on the exposed slopes, on which the final profile has been formed;
- Erect all the site hoarding/chaining fences in accordance with agreed design at proper location; and
- Maintain the hydroseeding slopes in accordance with the Landscape Plan.

- END OF REPORT -



Appendix A

Organization Chart





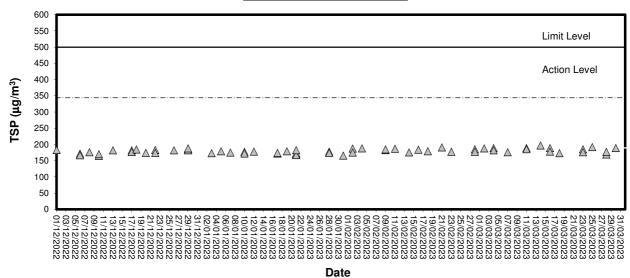




Appendix B

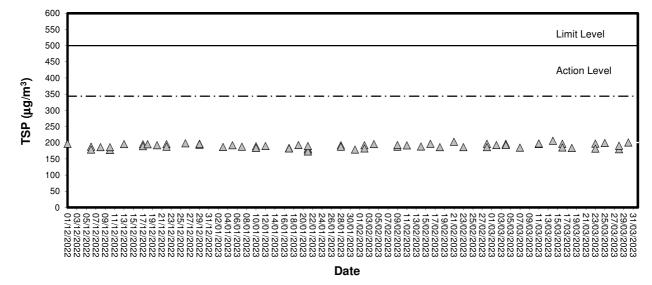
Graphical Plots of Air Quality Monitoring Data



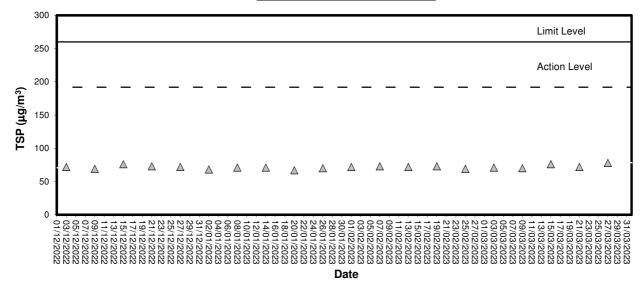


1-hour TSP level at TM-A1

1-hour TSP level at TM-RA2

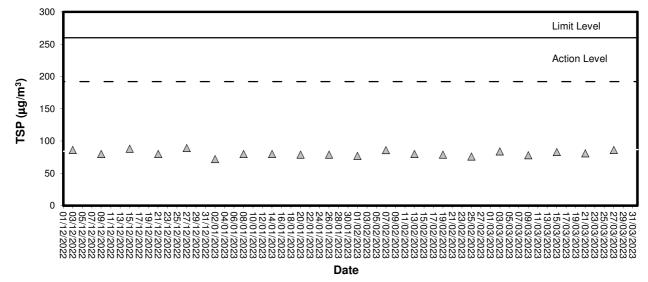






24-hour TSP level at TM-A1





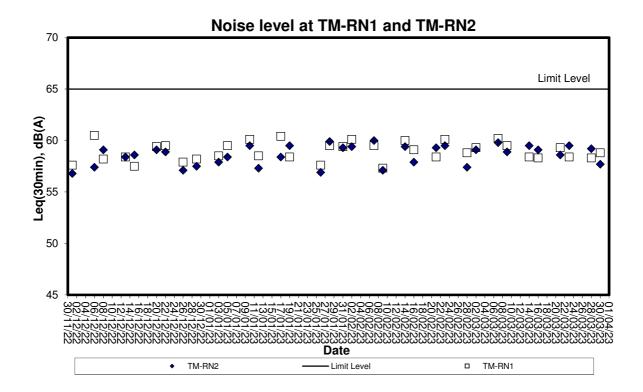


Appendix C

Graphical Plots of Impact Noise Monitoring Data



Noise Monitoring (Day-time)

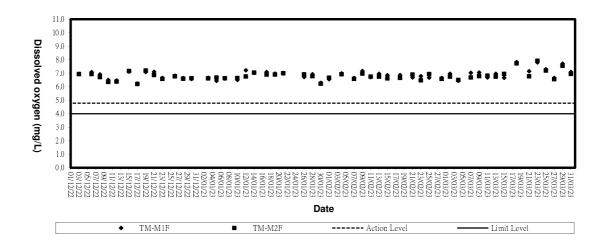




Appendix D

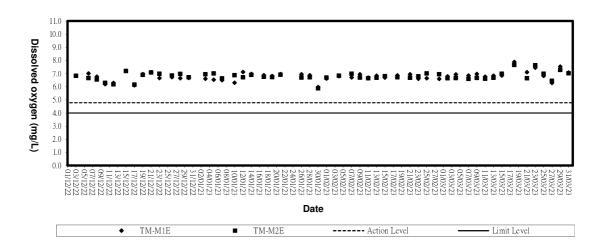
Graphical Plots of Impact Marine Water Quality Monitoring Data



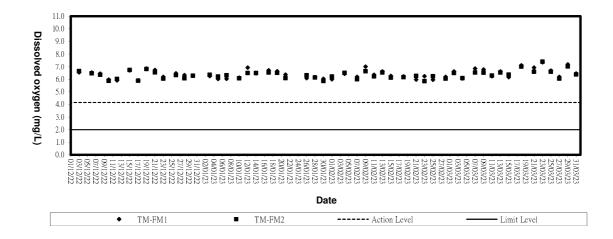


Dissolved Oxygen (Surface & Middle) at Mid-Flood Tide

Dissolved Oxygen (Surface & Middle) at Mid-Ebb Tide

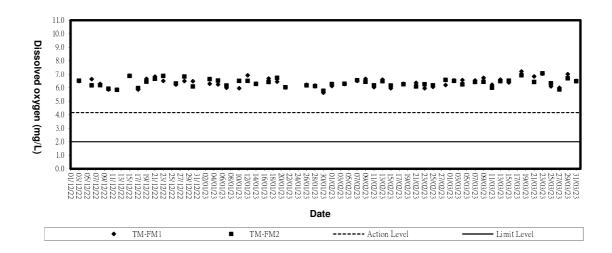






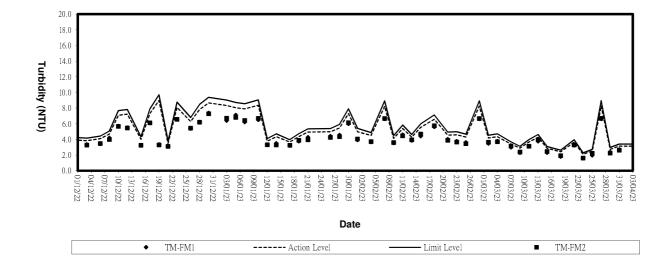
Dissolved Oxygen (Bottom) at Mid-Flood Tide

Dissolved Oxygen (Bottom) at Mid-Ebb Tide

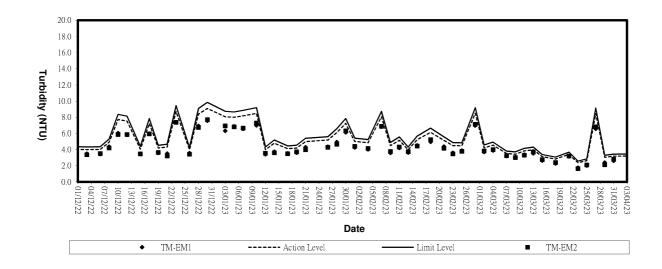




Turbidity (Depth-average) at Mid-Flood Tide

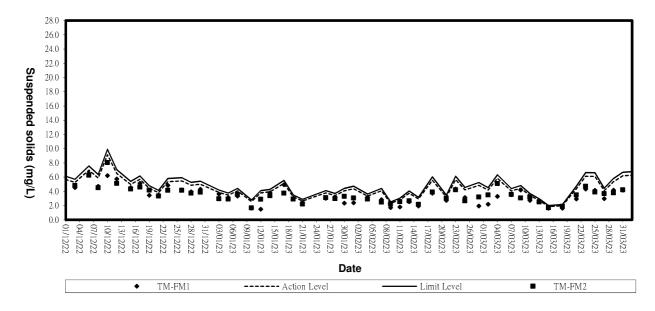


Turbidity (Depth-average) at Mid-Ebb Tide

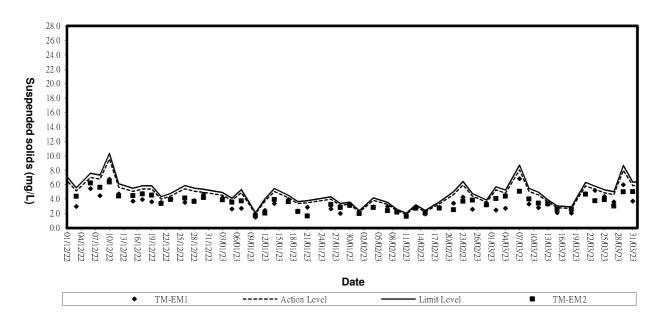




Suspended solids (Depth-average) at Mid-Flood Tide



Suspended Solids (Depth-average) at Mid-Ebb Tide





Appendix E

Environmental Quality Performance (Action / Limit Levels)



Action and Limit Levels for 1-hour TSP and 24-hour TSP Monitoring

Monitoring Location	24-hr TSP (μg/m³)		1-hr TSP (μg/m³)	
	Action Level	Limit Level	Action Level	Limit Level
TM-A1	192	260	344	500
TM-A2	192	260	344	500

Action and Limit Levels for Marine Water Quality Monitoring

Parameter	Action Level	Limit Level
DO (mg/L)	<u>Surface & Middle</u> <4.78 mg/L (5%-ile of baseline data) <u>Bottom</u>	<u>Surface & Middle</u> <4.00 mg/L (1%-ile of baseline data) <u>Bottom</u>
	<4.16 mg/L (5%-ile of baseline data)	<2.00 mg/L
SS (mg/L) (Depth-averaged)	>120% of the upstream control station's SS at the same tide on the same day	>130% of the upstream control station's SS at the same tide on the same day
Turbidity (NTU) (Depth-averaged)	>120% of the upstream control station's turbidity at the same tide on the same day	>130% of the upstream control station's turbidity at the same tide on the same day

Action and Limit Levels for Noise Monitoring

Time Period	Action *	Limit *
0700-1900 hrs on normal weekdays	When one documented complaint is received	65 dB(A)



Appendix F

Event-Action Plans

	Contractor	1. Rectify any unacceptable	- E-2 10	 Submit proposats to remove actions to ICCE) within 3 working days of notification Implement the agreed proposals Amend proposal if appropriate 		 Take immediate action to avoid further exceedance Submit proposals for remedial actions to IC(E) within 3 working days of notification Implement the agreed proposals Amend proposal if appropriate.
TY EXCEEDANCE	Ж	Notify Contractor	-	 Confirm receipt of notification of failure in writing Notify the Contractor Ensure remedial measures properly implemented 		 Confirm receipt of notification of failure in writing Notify the Contractor Ensure remedial measures properly implemented
EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE ACTION	IC(E)			 Check monitoring data submitted by the ET Leader Check the Contractor's working method Check the Contractor's working method Discuss with ET and Contractor on possible memodial measures Advise the ER on the effectiveness of the proposed remedial measures Supervise implementation of remedial measures 		 Check monitoring data submitted by the ET Leader Check Contractor's working method Discuss with ET and Contractor on possible Discuss with eff and Contractor on possible nemedial measures Supervise implementation of remedial measures
Ē	ET Leader		 Identify source, investigate the causes of exceedance and propose remedial measures inform ER, IC(E) and Contractor Repeat measurement to confirm finding Increase monitoring frequency to daily 	 Identify source, investigate the causes of exceedance and propose remedial measures Inform IC(E) and Contractor Repeat measurements to confirm finding Increase monitoring frequency to daily Increase monitoring frequency to daily Increase monitoring frequency to daily Exceedance confirmes, arrange meeting with IC(E) and Contractor on remedial actions If exceedance confirmes, arrange meeting with IC(E) and ER. 	6 Incompany	 Identify source, investigate the causes of exceedance and propose remedial measures Inform ER, Contractor and EPD Repeat measurement to confirm Repeat measurement to confirm Assess the effectiveness of Contractor's remedial actions and keep (CE). EPD and ER informed of the results
EVENT			1. Exceedance for one sample	2. Exceedance for two or more consecutive samples		1. Exceedance for one sample



	Contractor	 Take immediate action to avoid further exceedances Submit proposals for remedial actions to ICCE) within 3 working days of notification Implement the agreed proposals Resubmit proposals if problem still not under control Stop the relevant activity of works as determined by the ER until the exceedance is abated
ITY EXCEEDANCE	田	 Confirm receipt of notification of failure in writing Notify Contractor In consultation with the IC(E), agree with the Contractor on the remedial measures to be implemented Ensure remedial measures Ensure remedial measures Ensure remedial measures Consider what portion of the work is responsible and instruct the Contractor to the that portion of work until the exceedance is abated
EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE	ACTION IC(E)	 Discuss amongst ER, ET and Contractor on the potential remedial actions Review Contractor's remedial actions Whenever necessary to assure their effectiveness and advise the ER accordingly Supervise the implementation of remedial measures
	ET I earler	 Identify source, investigate the causes of exceedance and propose temedial measures Notify IC(E), ER, EPD and Contractor Repeat measurement to confirm finding Increase monitoring frequency to daily Carry out analysis of contractor's working procedures to determine possible mitigation to be implemented discuss the remedial actions to be taken Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER riformed of the results If exceedance stops, cease additional monitoring
EVENT	L	2. Exceedance for two or more consecutive samples

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EVENT			ACTION	z			
		ET Leader	IC(E)		ER		Contractor
Action Level	-'diri + ui	Notify the IC(E) and the Contractor. Carry out investigation. Report the results of investigation to the IC(E) and the Contractor. Discuss with the Contractor and formulate remedial measures. Increase monitoring frequency to check mitigation effectiveness	 Review the analysed results submitted by the ET. Review the proposed remedial measures by the contractor and advise the ER accordingly. Supervise the implementation of remedial measures. 	4. Confi failur Railur Requestree Propropropropropropropropropropropropropr	Confirm receipt of notification of failure in writing. Notify the Contractor. Notify the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are properly implemented.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Submit noise mitigation proposals to IC(E). Implement noise mitigation proposals.
Level	v: v: v: v: v: v: v: v:	Notify the IC(E), the ER, the EPD and the Contractor. Identify source. Repeat measurement to confirm findings. Increase monitoning frequency. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. Inform the IC(E), the ER and the EPD the causes 4 actions taken for the exceedances. Assess effectiveness of Contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results informed of the results for construction works stops, cease additional monitoring	 Discuss amongst the ER, the ET Leader and the Contractor on the potential remedial actions. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and assure the ER accordingly. Suprevise the implementation of remedial measures. 	 Confirm failure 3. Requir remedi analyse removir f exce what a what a work u work u abated 	Confirm receipt of notification of failure in writing. Notify the Contractor. Require the Contractor to propose remedial measures for the analysed noise problem. Ensure remedial measures are propenty implemented. If exceedances continue, consider what activity of the work is responsible and instruct the contractor to stop that activity of work until the exceedances is abated.	す. ひ. み. ち. てたのかり日日に 800 > 5 m	Take immediate action to avoid further exceedance Submit proposals for remedial actions to IC(E) within 3 working days of notification. Implement the agread moreals. Resubmit proposals if problem still not under control. Stop the relevant activity of works as determined by the ER until the exceedances is abated.

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	lec	 Check monitoring data submitted by ET Confirm ET assessment if 	exceedance is due / not due to the works	3. Discuss with ET, ER and		 Keview contractor s mitigation measures 	whenever necessary to	and advise the ER	accordingly	•	. sanseau					
R QUALITY EXCEEDA	ER	Notify EPD and other relevant governmental agencies in writing	Identification of the exceedance	Contractor on the proposed	mitigation measures; Require contractor to propose	remedial measures for the	construction works	Ensure remediat measures are property implemented	Assess the effectiveness of the	mitigation measure						
41		÷	ç	4	ణ			4	പ							_
EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE ACTION	Contractor	 Notify the ER and IEC in writing within 24 hours of identification of 		 Check all plant and equipment; Submit investigation report to IEC 			Consider changes or working method if exceedance is due to	the construction works	propose mitigation measures to	IEC and ER if exceedance is due	to the construction works within a working days of identification of		7. Implement the agreed mitigation	niedsures wunnin reasonados antos scale		
L,			~	€ 3	-				D 					>		
EVE		Et Leader Identity source(s) of impact; Reneat in-situ measurement to	confirm findin Notify Contract	24 hours of identification of the	Check monitoring data, all plant,	equipment and contractor s working methods;			days of identification of	contractor if exceedance is due to	-	Contractor it	to the construction works within 4	working days		due to the construction works
		~	i m	;	4		ທ່ແ	; 			1	:			ò	
Event		Action level	by one	for Sundance					فبانتقريون		400000	8 ان احد	a generice		9-16 -1 7	

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FOR WATER QUALIT		ER	1. Notify EPD and other relevant	governmental agencies in	writing within 24 hours of the	identification of the		2. Discuss with IEC, EI and	Contractor on the proposed	-	3. Require contractor to propose	remedial measures for the	analysed proplem it leaded to		4. Ensure remedial measures		5. Assess the effectiveness of	the mitigation measure															
EVENT AND ACTION PLAN FOR WATER QUALITY	ACTION	Contractor	. Notify IEC and ER in writing	within 24 hours of			-	equipment;	 Consider changes of working 	methods;	Submit the results of the	investigation to IEC and ER	within 3 working days of the	identification of an	-	Discuss with ET, IEC and EK	and propose mitigation	measures to IEC and ER	within 4 working days of	identification of an	exceedance	Implement the agreed	mitigation measures within	reasonable time scale									
		ETLeader	Identify s	2. Repeat in-situ measurement	to confirm findings	3. Notify Contractor in writing 2.	within 24 hours of 3	identification	oring data, all		methods;	-	Report the results of	investigation to the Contractor		identification of exceedance 6	and advise contractor if	exceedance is due to	contractor's construction	works	Discuss mitigation measures	with IEC and Contractor within	4 working of identification of	an exceedance	8. Ensure mitigation measures	9. Prepare to increase the	monitoring frequency to daily;	10. Repeat measurement on next	day of exceedance.				
Event			Action level	beina	exceeded by	more than one	consecutive	samoling days																									



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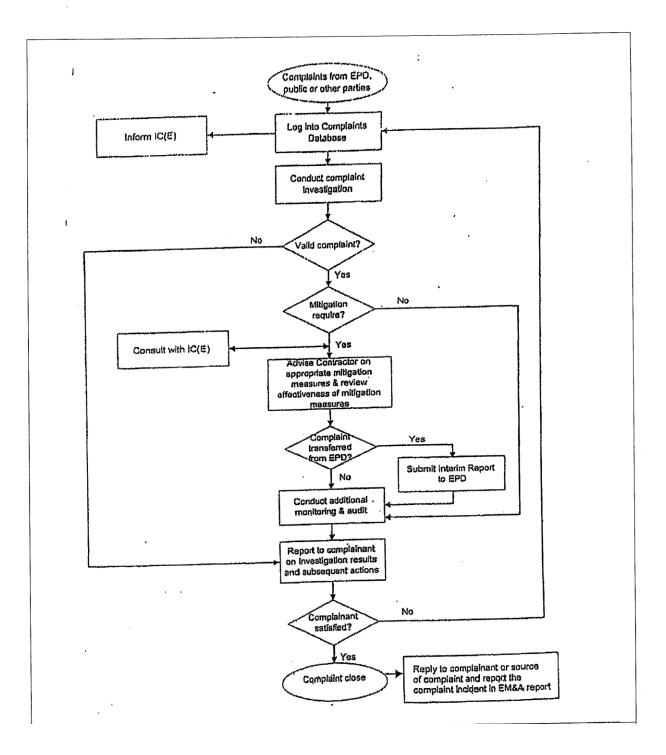
	-		
UEI IEI	Chook monitoring data	1	
	ŀ	് റ് ന് 7 ് ഗ്	
5	נא	Notify EPD and other relevant governmental agencies in writing within 24 hours of identification of exceedance Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Ensure remedial measures are properly implemented Assess the effectiveness of the implemented mitigation measures; Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level.	
z		- N n w + w	
ACTION	Contractor	 Notify ER and IEC in writing within 24 hours of the identification of the exceedance and exceedance and exceedance all plant and equipment; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance Discuss with ET, IEC and ER within 4 working days; Implement the agreed mitigation measures within reasonable time scale As directed by the Engineer, to slow down or to stop all or part of the marine work or construction actives. 	
	ET Leader	Repeat to confir identific within 2 identific exceed exceed contract investig within 3 identific erv of contract investig within 2 investig investi	
		Limit Level being exceeded by more than one consecutive sampling days	



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Appendix G

Work Programme

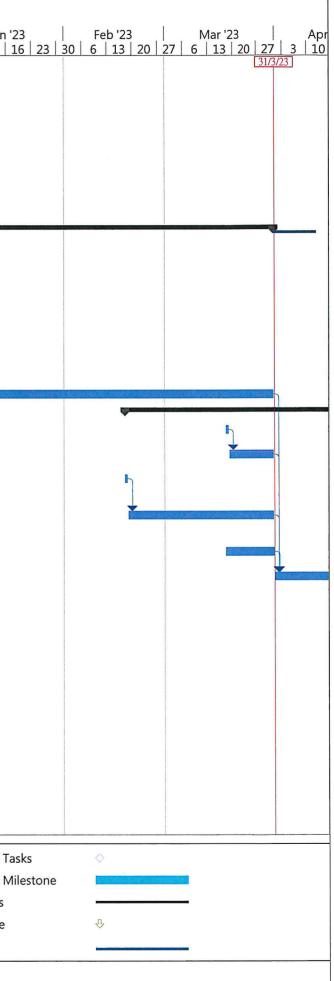
ID	A	Task Name		Baseline Start	Baseline Finish	Start	Finish	Duration	Predece		Fotal Slack	Actual Start	Actual Finish	% Complet	2 19 26	Jan	'23 16 23	Feb '23	8 20 27	Mar '23 6 13 20	A
1		Contract duration of Contract CV/2021/9	5	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days		C) days	NA	NA	0%		1/23	10 1 10 1				31/3/23
2		Contract date , Date of the Letter of Acceptance (assumed)	e I	Mon 20/12/21	Mon 20/12/21	Mon 20/12/21	Mon 20/12/21	0 days		7	742 days	NA	NA	0%							
3	- CA	Starting Date of the Works	5	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		7	729 days	NA	NA	0%							
4		Starting Date of Section 1 of the Works	5	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		C) days	NA	NA	0%							
5		Starting Date of Section 2 of the Works	5	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		C) days	NA	NA	0%							
6		Starting Date of Section 3 of the Works	ę	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		C) days	NA	NA	0%							
7		Date for Completion of the Works	\$	Sun 31/12/23	Sun 31/12/23	Sun 31/12/2	3 Sun 31/12/23	0 days		1	1 day	NA	NA	0%							
8		Completion Date of Section 1 of the Works	\$	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C) days	NA	NA	0%							
9		Completion Date of Section 2 of the Works	5	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C) days	NA	NA	0%							
10		Completion Date of Section 3 of the Works	S	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C) days	NA	NA	0%							
11		Planned completion dates	5	Sun 31/12/23	Sun 31/12/23	Sun 31/12/2	3 Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
12		Planned competion date of Section 1	Ş	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C) days	NA	NA	0%							
13		Planned competion date of Section 2	\$	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
14		Planned competion date of Section 3	5	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
15		Access Date of the Site		Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		7	729 days	NA	NA	0%							
16	1111	Portion A2, A3a, A3b, A3c, A4, A5a, A5b, A7c2, A (within 60 days after starting date)				Sat 1/1/22	Sat 1/1/22	0 days			0 days		Sat 1/1/22	100%							
	• -	uale)				Sat 1/1/22	Sat 1/1/22	0 days			0 days		Sat 1/1/22	100%							
18		Portion A1. A7a, A7b, A7c1, A9, A9a and B6c (7 da advance notice after starting date)	ay's S	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		(0 days	Sat 1/1/22	Sat 1/1/22	100%							-6
19	~	Portion B6c (7 day's advance notice after starting of	late) S	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	0 days		(0 days	Sat 1/1/22	Sat 1/1/22	100%							
20		Hand back of the Site	\$	Sun 31/12/23	Sun 31/12/23	Sun 31/12/2	3 Sun 31/12/23	0 days		(0 days	NA	NA	0%							
21		Portion A2, A3a, A3b, A3c, A4, A5a, A7c2, A10 and at an earlier date notified by the Project Manager w days' advance notice)	d A11 (or 5 vith 30	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	0 days		(0 days	NA	NA	0%							
22		Portion A1, A7b, A7c1, A9 and A9a (or at an earlier notified by the Project Manager with 30 days' advant	r date as s nce notice)	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
23	••• P	Portion B1, B3, B6a, B6b and B7 (or at an earlier d notified by the Project Manager with 30 days' advan	late as since notice)	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
24	- 2	Portion B6c (or at an earlier date as notified by the Manager with 30 days' advance notice)	Project S	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	0 days		C	0 days	NA	NA	0%							
25		Section 1 of the Works - Tseung Kwan O Area 1 Bank	37 Fill	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	455	C	0 days	Sat 1/1/22	NA	47%							
26	V	Taking over the existing facilities at the Tseung Area 137 Fill Bank within Portion A of the Site	Kwan O	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	Sat 1/1/22	1 day	4SS	0 0	0 days	Sat 1/1/22	Sat 1/1/22	100%							
27		Operation of the the Tseung Kwan O Area 137 within Portion A of the Site	Fill Bank	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
28	• <u>•</u> C	Operation and maintenance of the surveillance within Portion A of the Site	system s	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
29	<mark>,</mark> 2	Operation and maintenance of the existing tippin the Tseung Kwan O Area 137 Fill Bank within P the Site		Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
30	<u>.</u>	Provision, operation and maintenance of the Cru Plant at the Tseung Kwan O Area 137 Fill Bank Portion A of the Site		Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
31	P.	Operation and maintenance of the dewatering p Tseung Kwan O Area 137 Fill Bank within portic		Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
32	<mark>,</mark> (Å	Site. Collection and delivery of Public Fill by barges f Chai Wan and Mui Wo Barging Points to the TK 137 Fill Bank within Portion A of the Site		Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	26SS	0 0	0 days	Sat 1/1/22	NA	49%							
			Task				External Tasks	5				Duration-only				External 1	Tasks	\diamond			
							External Miles		\diamond							External N					
roject:	3 month	h rolling programme Jan23-mar 23 CV/2021/09	Split						~			Manual Summ									
)/12/202		Mileston	e	•		Inactive Miles	tone			N	Manual Summ	ary	•		Progress				-	
			Summar	у			Inactive Sumr	mary			S	Start-only	1			Deadline		Ŷ			
			Project S	Summary	\bigtriangledown	\bigtriangledown	Manual Task		¢		F	inish-only	,			Slack				-	
									Page 1												

ID	~	Task Name	1	Baseline Start	Baseline Finish	Start	Finish	Duration	Predece		Total Slack	Actual Start	Actual Finish	% Complet 22	Ι.	Jan '23	Fel	b '23	Mar '23	_ A
22	0	Construction of Gabion wall		NA	NA	Sat 10/2/22	Sun 31/12/23	681 days			0 days	Sat 19/2/22	NA	14%	26 2	9 16 23	30 6	13 20 2	27 6 13 20	27 3 1
33 34		Preparing and submitting a method statemer		Sat 19/2/22	Fri 4/3/22	Sat 19/2/22 Sat 19/2/22		12 days			0 days	Sat 19/2/22 Sat 19/2/22								3113123
54	¥.	approval						12 days		2	0 uays									
35	\checkmark	Preparing and submitting the material submit		Sat 5/3/22	Fri 18/3/22	Sat 19/2/22		12 days			0 days	Sat 19/2/22								
36	~	Obtaining approval from the Project Manager		Sat 19/3/22	Fri 1/4/22	Tue 26/4/22		-	35,34		0 days	Tue 26/4/22								
	<u>.</u>	Construction of Gabion wall	1	Sat 2/4/22	Sun 31/12/23		Sun 31/12/23	546 days		1	0 days	Mon 4/7/22	1.000 1.00	10%		4.00分钟160钟前				
38	× .	Re-surfacing of the access road at A11 TKOP		NA	NA	Mon 21/3/22		33 days			0 days	Mon 21/3/22								
39	~	Submission of method statement of re-surfa access road	icing the	NA	NA	Mon 21/3/22	FII 25/3/22	5 days		0	0 days	Mon 21/3/22	FII 25/3/22	100%						
40	1	Obtaining approval from the Project Manager	r	NA	NA	Thu 7/4/22	Thu 7/4/22	1 day	39	2	0 days	Thu 7/4/22	Thu 7/4/22	100%						
41	~	Milling off the existing pavement, overlaying pavement on the access road	new	NA	NA	Fri 15/4/22	Fri 22/4/22	8 days	40	1	0 days	Fri 15/4/22	Fri 22/4/22	100%						
42	~	PMI no.3 Trial Production of blanket layer ma recycled from public fill	aterial	Tue 28/6/22	Wed 24/8/22	Tue 28/6/22	Wed 30/11/22	156 days			0 days	Tue 28/6/22	Wed 30/11/22	100%						
43	~	Submission of method statement		Tue 28/6/22	Fri 29/7/22	Tue 28/6/22	Fri 29/7/22	32 days		1	0 days	Tue 28/6/22	Fri 29/7/22	100%						
44	~	Obtaining approval from the Project Manager	r	Sat 30/7/22	Sat 20/8/22	Wed 17/8/22	Wed 17/8/22	1 day		2	0 days	Wed 17/8/22	Wed 17/8/22	2 100%						
45	~	Manufacturing and delivery of screening mac			Thu 11/8/22			21 days			0 days	Fri 22/7/22		State of the state of the						
46	~=	Trial Production of blanket layer material		Mon 22/8/22	Wed 24/8/22	Mon 17/10/22	Wed 30/11/22	45 days		1	0 days	Mon 17/10/22	Wed 30/11/22	100%						
47		PMI no.24 Implementation of C easy system	at TKOFB	Mon 22/8/22	Tue 27/12/22	Tue 30/8/22	Mon 23/1/23	147 days			8 days	Tue 30/8/22	NA	70%			<u>-</u> 5			
48	1	Submission of method statement for approva	al	Mon 22/8/22	Sun 28/8/22	Tue 30/8/22	Tue 30/8/22	1 day			0 days	Tue 30/8/22	Tue 30/8/22	100%						
49	3	Obtaining approval from the Project Manager	r	Mon 29/8/22	Sun 18/9/22	Wed 31/8/22	Wed 31/8/22	1 day	48	2	0 days	Wed 31/8/22	Wed 31/8/22	2 100%						
50	V	Ordering and delivery of C easy system hard site		Mon 19/9/22	Wed 2/11/22	Thu 1/9/22	Thu 8/9/22	8 days	49	3	0 days	Thu 1/9/22	Thu 8/9/22	100%						
51	V	Installation of the C Easy system		Thu 3/11/22	Wed 16/11/22	Fri 9/9/22	Tue 27/9/22	19 days	50	2	0 days	Fri 9/9/22	Tue 27/9/22	100%						
52	~	Trail run of the system		Thu 17/11/22	Wed 30/11/22	Tue 22/11/22	2 Wed 30/11/22	9 days	51	2	0 days	Tue 22/11/22	Wed 30/11	. 100%						
53	P.	Parallel run with the old system		Thu 1/12/22	Mon 26/12/22	Thu 1/12/22	Sun 22/1/23	53 days	52	2	8 days	Thu 1/12/22	NA	50%						
54		Operation with C easy system individually		Tue 27/12/22	Tue 27/12/22	Mon 23/1/23	Mon 23/1/23	1 day	53	0	8 days	NA	NA	0%		Ľ				
		Handing over the facilities at the Tseung Kwan (Fill Bank within Portion A of the Site to the Empl	loyer			31/12/23	Sun 31/12/23		8SS	0	0 days	NA	NA	0%						
		Planned Completion Date (Section 1)					3 Sun 31/12/23				1 day	NA Set 4/4/22	NA	0%						
		Section 2 of the Works - Tuen Mun Area 38 Fill I Taking over the existing facilities at the Tuen Mu		Sat 1/1/22	Sull 31/12/23 Sat 1/1/22	Sat 1/1/22 Sat 1/1/22	Sun 31/12/23		599	0	0 days	Sat 1/1/22 Sat 1/1/22	NA Sat 1/1/22	51%						
58 59	 ✓ 	Fill Bank within Portion B of the Site Operation of the Tuen Mun Area 38 Fill Bank wi					Sun 31/12/23	1 day			0 days 0 days	Sat 1/1/22 Sat 1/1/22		49%		1975an Santa S				
55	<u>r</u>	B of the Site									• •••,•									
60	.	Operation and maintenance of the surveillance s within Portion B of the Site		Sat 1/1/22			Sun 31/12/23			0	0 days	Sat 1/1/22		49%	inse ein 138		a contra contra sendor			
61	P.	Operation and maintenance of the existing tippir the Tuen Mun Area 38 Fill Bank within Portion B	ng halls at 3 of the Site	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	5SS	0	0 days	Sat 1/1/22	NA	49%		a la ma seritta i statio	त्स्टविस्ट [ा] अग् स्थल		and the state and the	na da karan
62	.	Operation and Maintenance of the Crushing Pla Tuen Mun Area 38 Fill Bank within Portion B of	int at the		Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	5SS	0	0 days	Sat 1/1/22	NA	49%				Europe and a straight		
63		Operation and maintemnance of glass cullet sto compartment at the Tuen Mun Area 38 Fill Bank Portion B of the Site		Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	5SS	0	0 days	Sat 1/1/22	NA	49%						
64	~	PMI no.05 Construction of vehicle washing h facilities	nouse	Wed 6/4/22	Fri 2/9/22	Wed 6/4/22	Sun 2/10/22	180 days			0 days	Wed 6/4/22	Sun 2/10/22	2 100%						
65	~	Submission of method statement of vehicle house facilities	washing	Wed 6/4/22	Wed 6/4/22	Wed 6/4/22	Wed 6/4/22	1 day		1	0 days	Wed 6/4/22	Wed 6/4/22	100%						
			Task				External Task	s				Duration-only			Exter	nal Tasks	<	1		
			Split				External Miles	stone	\diamond		1	Manual Summ	ary Rollup	•	Exter	nal Mileston	e 📃			
Project:	3 month 0/12/202	n rolling programme Jan23-mar 23 CV/2021/09	Milestor	ne	٠		Inactive Miles	stone				Manual Summ	ary	•	Prog	ress				
Juic. [00			Summar				Inactive Sum					Start-only			Dead		л			
					•	·		nary									\lor			
			Project S	Summary			Manual Task		\diamond			Finish-only		V	Slack		a conservation of the second se			

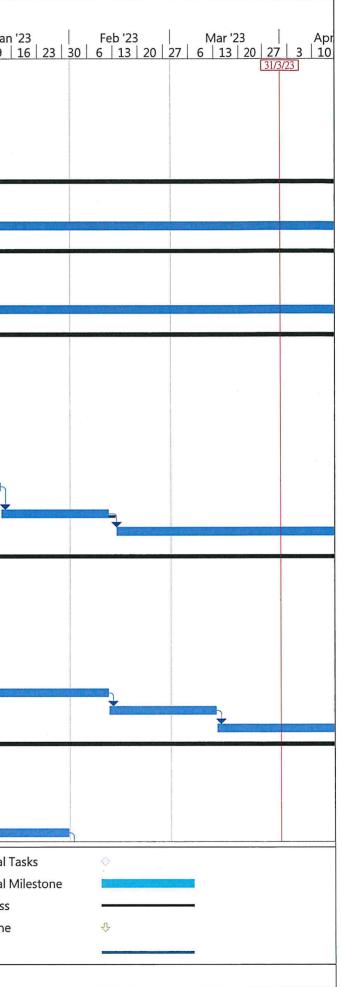
ID	0	Task Name	Baseline Start	Baseline Finish	Start	Finish	Duration		1	Total Slack	Actual Start	Actual Finish	% Complet	22		Jan '2	
66	<u>0</u>	Obtaning approval from the Project Manager	Mon 25/4/22	Mon 25/4/22	Mon 25/4/22	Mon 25/4/22	1 day	65	2	0 days	Mon 25/4/22	Mon 25/4/22	100%		26 2	9 1	6
67	~	Fabrication and delivery of the vehicle washing the facilities materials on site		Mon 8/8/22	Fri 10/6/22		70 days			0 days	Fri 10/6/22						
68	.1	Installation of the vehicle washing house facilitie	s Tue 9/8/22	Thu 1/9/22	Tue 13/9/22	Thu 29/9/22	17 days	67	2	0 days	Tue 13/9/22	Thu 29/9/22	100%				
69	V 5	Trial run of vehicle washing house facilities	Fri 2/9/22	Fri 2/9/22		Sun 2/10/22	1 day			0 days	Sun 2/10/22						
70		PMI no.20 Implementation of C easy system at T	MFB Mon 22/8/22	Tue 27/12/22	Wed 31/8/22	Mon 23/1/23	146 days			8 days	Wed 31/8/22	NA	68%				
71	~	Submission of method statement for approval	Mon 22/8/22	Sun 28/8/22	Wed 31/8/22	Wed 31/8/22	1 day		1	0 days	Wed 31/8/22	Wed 31/8/22	100%				
72	~	Obtaining approval from the Project Manager	Mon 29/8/22	Sun 18/9/22	Thu 1/9/22	Thu 1/9/22	1 day	71	2	0 days	Thu 1/9/22	Thu 1/9/22	100%				
73	~	Ordering and delivery of C easy system hardwar site	re to Mon 19/9/22	Wed 2/11/22	Sat 17/9/22	Wed 21/9/22	5 days	72	3	0 days	Sat 17/9/22	Wed 21/9/22	100%				
74	~	Installation of the C Easy system	Thu 3/11/22	Wed 16/11/22	Thu 22/9/22	Sun 9/10/22	18 days	73	2	0 days	Thu 22/9/22	Sun 9/10/22	100%				
75	~	Trail run of the system	Thu 17/11/22	Wed 30/11/22	Thu 24/11/22	2 Thu 1/12/22	8 days	74	2	0 days	Thu 24/11/22	Thu 1/12/22	100%				
76	P:	Parallel run with the old system	Thu 1/12/22	Mon 26/12/22	Thu 1/12/22	Sun 22/1/23	53 days	75	2	8 days	Thu 1/12/22	NA	50%				Ľ1
77		Operation with C easy system individually	Tue 27/12/22	Tue 27/12/22	Mon 23/1/23	Mon 23/1/23	1 day	76	0	8 days	NA	NA	0%				
		Handing over the facilities at the Tuen Mun Area 38 Bank within Portion B of the Site to the Employer		Sun 31/12/23	31/12/23	Sun 31/12/23	1 day	9SS		0 days	NA	NA	0%				
79		Planned Completion Date (Section 2)		Sun 31/12/23			0 days			0 days	NA	NA	0%				
80		Section 3 of the Works - Designated Reclamation S the Mainland		Sun 31/12/23	Tue 7/12/21	Sun 31/12/23	755 days			0 days	Tue 7/12/21	NA	6%				
81		Collection and delivery of 2 million tonnes of Pu Fill by vessels from Tseung Kwan O Area 137 Fi and the Tuen Mun Area 38 Fill Bank to the Desid Reclamation Sites in the Mainland	il Bank	Sun 31/12/23	Tue 7/12/21	Wed 20/12/23	744 days			11 days	Tue 7/12/21	NA	10%				
82	1	1st and 2nd quarter of first year	Mon 20/12/21	Thu 31/3/22	Tue 7/12/21	Tue 14/6/22	190 days		ALCONTRA!	0 days	Tue 7/12/21	Tue 14/6/22	100%				
83	1	Installing Front End Mobile Unit (FEMU) onto proposed vessels		Sun 26/12/21			1 day			0 days	Fri 20/5/22						
84	~	Submitting application documents to EPD for application of dumping permits		Mon 20/12/21			1 day			0 days	Tue 28/12/21						
85	~	Obtaining the dumping permit from EPD Submitting Application documents to the Em	Tue 21/12/21			Wed 25/5/22	1 day	84		0 days	Wed 25/5/22 Tue 7/12/21						
86	~	for the application of the dumping permit of w the sea	vaste at	1011 20/12/21	100 //12/21	100 // 12/21	1 day			0 days	100 //12/21	100 1/12/21	100%				
87	~	Obtaining the dumping permits from Ministr Ecology and environment of the People's Re of China through the Employer		Fri 31/12/21	Tue 26/4/22	Tue 26/4/22	1 day		14	0 days	Tue 26/4/22	Tue 26/4/22	100%				
88	~	Obtaining all necessary permits, licenses, app and concents				1. Sec. 1.	1 day			0 days	Wed 25/5/22						
89	~	Collection and delivery of 166666 tonnes of F			Wed 25/5/22		21 days			0 days	Wed 25/5/22						
90	~	3rd quarter of first year	Fri 20/5/22	Fri 30/9/22		Mon 13/6/22	168 days			0 days	Tue 28/12/						
91	~	Submitting application documents to EPD for application of dumping permits	Fri 17/6/22	Fri 17/6/22	Tue 28/12/21	Tue 28/12/21	1 day		0	0 days	Tue 28/12/21	Tue 28/12/21	1 100%				
92	~	Obtaining the dumping permit from EPD	Sat 18/6/22	Thu 30/6/22	Wed 25/5/22	Wed 25/5/22	1 day	91	14	0 days	Wed 25/5/22	Wed 25/5/22	100%				
93	~	Submitting Application documents to the Em for the application of the dumping permit of w the sea		Fri 20/5/22	Fri 8/4/22	Fri 8/4/22	1 day		0	0 days	Fri 8/4/22	Fri 8/4/22	100%				
94	~	Obtaining the dumping permits from Ministr Ecology and environment of the People's Re		Thu 30/6/22	Tue 26/4/22	Tue 26/4/22	1 day	93	14	0 days	Tue 26/4/22	Tue 26/4/22	100%				
95	~	of China through the Employer Obtaining all necessary permits, licenses,app and concents	provals Fri 17/6/22	Thu 30/6/22	Wed 25/5/22	Wed 25/5/22	1 day		0	0 days	Wed 25/5/22	Wed 25/5/22	100%				
96	~	Collection and delivery of 499998 tonnes of F	Public Fil Fri 1/7/22	Fri 30/9/22	Mon 13/6/22	Mon 13/6/22	1 day	95,92,94	14	0 days	Mon 13/6/22	Mon 13/6/22	100%				
97	~	4th quarter of first year	Sat 20/8/22	Sat 31/12/22	Fri 22/7/22	Fri 30/9/22	71 days		1	0 days	Fri 22/7/22	Fri 30/9/22	100%			7	
97	*		Sat 20/8/22	Sat 31/12/22		External Task					Duration-only		100%		Exte	ern	al Tas
			Split			External Mile	stone	\diamond			Manual Summ	ary Rollup	٠		Exte	ernal Mi	
	3 mont 0/12/20	h rolling programme Jan23-mar 23 CV/2021/09	Vilestone	٠		Inactive Mile	stone				Manual Summ	ary	•		Pro	gress	
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ID	~	Task Name	Baseline Start	Baseline Finish	Start	Finish	Duration	Predec		Total Slack	Actual Start	Actual Finish	% Complet	22	Ι,	Jan '
98		Submitting application documents to EPD for	Sat 17/9/22	Sat 17/9/22	Fri 22/7/22	Thu 4/8/22	14 days		0	0 days	Fri 22/7/22	Thu 4/8/22	100%		2	9 1
99	5	application of dumping permits Obtaining the dumping permit from EPD (ass	umed Sun 18/9/22	Fri 30/9/22	Thu 1/9/22	Mon 5/9/22	5 days	98	2	0 days	Thu 1/9/22	Mon 5/9/22	100%			
	×,	on 30/9/22)			Wed 10/8/22	Wed 10/8/22			0		Med 10/8/22	Wed 10/8/22	100%			
100	V	Submiting Application documents to the Empl for the application of the dumping permit of wa the sea		Sat 20/8/22	vved 10/6/22	vved 10/8/22	1 day		U	0 days	Wed 10/8/22	. vveu 10/6/22	100%			
101	~	Obtaining the dumping permits from Ministry Ecology and environment of the People's Rep of China through the Employer (assumed on		Fri 30/9/22	Mon 5/9/22	Mon 5/9/22	1 day	100	14	0 days	Mon 5/9/22	Mon 5/9/22	100%			
102	~	Obtaining all necessary permits, licenses,app and concents	rovals Sat 17/9/22	Fri 30/9/22	Mon 5/9/22	Fri 30/9/22	1 day		2	0 days	Mon 5/9/22	Fri 30/9/22	100%			
103	~	Collection and delivery of 333332 tonnes of Pr	ublic Fil Sat 1/10/22	Sat 31/12/22	Mon 5/9/22	Mon 19/9/22	15 days	96,102,1	14	0 days	Mon 5/9/22	Mon 19/9/22	100%			
104		1st quarter of second year	Sun 20/11/22	Fri 31/3/23	Sun 20/11/2	2 Fri 31/3/23	132 days			12 days	NA	NA	0%			
105		Submitting application documents to EPD for application of dumping permits	Sun 18/12/22	Sun 18/12/22	Sun 18/12/22	Sun 18/12/22	1 day		0	12 days	NA	NA	0%	h		
106		Obtaining the dumping permit from EPD (ass	umed Mon 19/12/22	Sat 31/12/22	Mon	Sat 31/12/22	13 days	105	2	12 days	NA	NA	0%	10 14 (AC- 84) 141	-	
107		on 31/12/22) Submiting Application documents to the Empl for the application of the dumping permit of wa	oyer Sun 20/11/22 aste at	Sun 20/11/22	19/12/22 Sun 20/11/22	Sun 20/11/22	1 day		0	12 days	NA	NA	0%			
108		the sea Obtaining the dumping permits from Ministry Ecology and environment of the People's Rep		Sat 31/12/22	Mon 21/11/22	Sat 31/12/22	41 days	107	14	12 days	NA	NA	0%	line words a		
109		of China through the Employer Obtaining all necessary permits, licenses,appl and concents	rovals Sun 18/12/22	Sat 31/12/22	Sun 18/12/22	Sat 31/12/22	14 days		2	12 days	NA	NA	0%			
110		Collection and delivery of 250000 tonnes of F	Public F Sun 1/1/23	Fri 31/3/23	Sun 1/1/23	Fri 31/3/23	90 days	103,109	, 14	12 days	NA	NA	0%	-		10-410-54
111		2nd quarter of second year	Sat 18/2/23	Fri 30/6/23	Sat 18/2/23	Fri 30/6/23	133 days			12 days	NA	NA	0%			
112		Submitting application documents to EPD for application of dumping permits	Sat 18/3/23	Sat 18/3/23	Sat 18/3/23	Sat 18/3/23	1 day		0	12 days	NA	NA	0%			
113		Obtaining the dumping permit from EPD (ass on 31/3/23)	umed Sun 19/3/23	Fri 31/3/23	Sun 19/3/23	Fri 31/3/23	13 days	112	2	12 days	NA	NA	0%			
114	ш	Submiting Application documents to the Empl for the application of the dumping permit of wa the sea		Sat 18/2/23	Sat 18/2/23	Sat 18/2/23	1 day		0	12 days	NA	NA	0%			
115		Obtaining the dumping permits from Ministry Ecology and environment of the People's Rep of China through the Employer (assumed on		Fri 31/3/23	Sun 19/2/23	Fri 31/3/23	41 days	114	14	12 days	NA	NA	0%	-		
116		Obtaining all necessary permits, licenses,app and concents	rovals Sat 18/3/23	Fri 31/3/23	Sat 18/3/23	Fri 31/3/23	14 days		2	12 days	NA	NA	0%			
117		Collection and delivery of 250000 tonnes of F	Public F Sat 1/4/23	Fri 30/6/23	Sat 1/4/23	Fri 30/6/23	91 days	110,113	, 14	12 days	NA	NA	0%			
118		3rd quarter of second year	Sat 20/5/23	Sat 30/9/23	Sat 20/5/23		134 days			12 days		NA	0%			
119		Submitting application documents to EPD for application of dumping permits	Sat 17/6/23	Sat 17/6/23	Sat 17/6/23	Sat 17/6/23	1 day		0	12 days	NA	NA	0%			
120		Obtaining the dumping permit from EPD (ass on 30/6/23)	umed Sun 18/6/23	Fri 30/6/23	Sun 18/6/23	Fri 30/6/23	13 days	119	14	12 days	NA	NA	0%			
121		Submiting Application documents to the Empl for the application of the dumping permit of wa the sea		Sat 20/5/23	Sat 20/5/23	Sat 20/5/23	1 day		0	12 days	NA	NA	0%			
122	_	Obtaining the dumping permits from Ministry Ecology and environment of the People's Rep of China through the Employer (assumed on	of Sun 21/5/23	Fri 30/6/23	Sun 21/5/23	Fri 30/6/23	41 days	121	14	12 days	NA	NA	0%			
123		Obtaining all necessary permits, licenses,app and concents	rovals Sat 17/6/23	Fri 30/6/23	Sat 17/6/23	Fri 30/6/23	14 days		2	12 days	NA	NA	0%			
124		Collection and delivery of 250000 tonnes of F	Public F Sat 1/7/23	Sat 30/9/23	Sat 1/7/23	Sat 30/9/23	92 days	117,123	, 14	12 days	NA	NA	0%			
125		4th quarter of second year	Sun 20/8/23	Sun 31/12/23	Sun 20/8/23	Wed 20/12/23	123 days			11 days	NA	NA	0%			
126		Submitting application documents to EPD for	Sun 17/9/23	Sun 17/9/23	Sun 17/9/23	Sun 17/9/23	1 day		0	12 days	NA	NA	0%			
127		application of dumping permits Obtaining the dumping permit from EPD (ass on 30/9/23)	umed Mon 18/9/23	Sat 30/9/23	Mon 18/9/23	Sat 30/9/23	13 days	126	2	12 days	NA	NA	0%			
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		S	plit			External Mile	stone	\diamond			Manual Summ	ary Rollup	•		Exter	nal M
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ID		Task Name	Baseline Start	Baseline Finish	Start	Finish	Duration			Total Slack	Actual Start	Actual Finish	% Complet	22	Jan '
128	()	Submiting Application documents to the Employer	Sun 20/8/23	Sun 20/8/23	Sun 20/8/23	Sun 20/8/23	1 day		0	12 days	NA	NA	0%	19 26	
120		for the application of the dumping permit of waste at the sea					,								
129		Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer(assumed on 30/9/23	Mon 21/8/23	Sat 30/9/23	Mon 21/8/23	Sat 30/9/23	41 days	128	14	12 days	NA	NA	0%		
130		Obtaining all necessary permits, licenses, approvals and concents		Sat 30/9/23	Sun 17/9/23	Sat 30/9/23	14 days		0	12 days	NA	NA	0%		
131		Collection and delivery of 250000 tonnes of Public I	Sun 1/10/23	Sun 31/12/23	Mon 2/10/23	Wed 20/12/23	80 days	124,130,	14	11 days	NA	NA	0%		
132		Removal, excavation and deposition of stockpiled and/or deposited Public Fill within the Designated Reclamation Sites in the Mainland	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	6SS		0 days	NA	NA	0%		
133	H	Removal, excavation and deposition of stockpiled and/or deposited public fill	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days		14	0 days	NA	NA	0%		
134		Operation and maintenance of the existing navigation channel and turning basins in association with the existing berthing facilituy at Zone E of the Desiganted Reclamation Sites in the Mainland	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days	6SS		0 days	Sat 1/1/22	NA	20%		
135	P	Operation and maintenance of the existing navigation channel and turning basins	Sat 1/1/22	Sun 31/12/23	Sat 1/1/22	Sun 31/12/23	730 days		14	0 days	Sat 1/1/22	NA	20%		
136		Design, construction, operation and maintenance of the new navigation channel and turning basins in association with the new berthing facility at Zone B of the Designated Reclamation Sites in the Mainland (subject to Project's Manager's instruction)	Sat 12/12/09	Sat 12/12/09	Thu 16/6/22	Sun 31/12/23	564 days			0 days	NA	NA	0%		
137		Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone A & B (assumed on 31/12/21)	Fri 31/12/21	Mon 31/1/22	Thu 16/6/22	Thu 16/6/22	1 day		0	2 days	NA	NA	0%		
138		Preparation of design submission	Sat 1/1/22	Sun 30/1/22	Fri 17/6/22	Sat 16/7/22	30 days		7	2 days	NA	NA	0%		
139		Obtaining all necessary design approvals and concents		Tue 1/3/22	Sun 17/7/22	Mon 15/8/22	30 days	138	7	2 days	NA	NA	0%		
140		Construction of the new navigation channel and turning basins	Wed 2/3/22	Fri 29/7/22	Tue 16/8/22	Thu 12/1/23	150 days	139	14	2 days	NA	NA	0%		
141		Obtaining the construction completion certificate	Sat 30/7/22	Sun 28/8/22	Fri 13/1/23	Sat 11/2/23	30 days	140	7	2 days	NA	NA	0%		
142		Operation and maintenance of navigation channel and turning basins	Mon 29/8/22	Sun 31/12/23	Tue 14/2/23	Sun 31/12/23	321 days	141	14	0 days	NA	NA	0%		
143		Design, construction, operation and maintenance of new berthing facilities at Zone B of the Designated Reclamation Sites in the Mainland (subject to Project's Manager's instruction)		Sun 31/12/23	Thu 16/6/22	Sun 31/12/23	564 days			0 days	NA	NA	0%		
144		Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone A & B (assumed on 31/12/21)	Fri 31/12/21	Fri 31/12/21	Thu 16/6/22	Thu 16/6/22	1 day			0 days	NA	NA	0%		
145		Preparation of design submission	Sat 1/1/22	Sun 30/1/22	Fri 17/6/22	Sat 16/7/22	30 days		7	0 days	NA	NA	0%		
146		Obtaining all necessary design approvals and concents		Tue 1/3/22	Sun 17/7/22	Mon 15/8/22	30 days		7	0 days	NA	NA	0%		
147		Construction of the berthing facilities	Wed 2/3/22	Sun 28/8/22	Tue 16/8/22		180 days		14	0 days	NA	NA	0%		
148		Obtaining the construction completion certificate	Mon 29/8/22	Tue 27/9/22		Mon 13/3/23	30 days		7	0 days	NA	NA	0%		
149		Operation and maintenance of new berthing facilities	Wed 28/9/22			Sun 31/12/23	293 days	148	14	0 days	NA	NA	0%		
150		Design and construction of seawalls (approximate 200m) in association with new berthing facility at Zone B of the Designated Reclamation Sites in the Mainland	Fri 10/6/22	Sat 4/2/23	Sun 1/1/23	Fri 30/6/23	181 days			184 days	NA	NA	0%		
151		Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone A & B	Sat 1/1/22	Sat 1/1/22	Sun 1/1/23		1 day		0	184 days		NA	0%		
152		Preparation of design submission (PMI no18)	Sun 2/1/22	Mon 31/1/22	Mon 2/1/23	Tue 31/1/23	30 days	151	7	184 days	NA	NA	0%		Sector States
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		n rolling programme Jan23-mar 23 CV/2021/09	ane	۵		Inactive Mile		[anual Sumn				Progress
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ID	0		Baseline Start	Baseline Finish	Start	Finish	Duration	Predeo		Total Slack	Actual Start	Actual Finish	% Complet	22	26 2	Jan '2 9 1	23
153		Obtaining all necessary design approvals and concents	Tue 1/2/22	Wed 2/3/22	Wed 1/2/23	Thu 2/3/23	30 days	152	7	184 days	NA	NA	0%		1/1/23	<u> </u>	.0
154		Construction of seawalls (subject to Project's Manager's instruction)	Thu 3/3/22	Tue 31/5/22	Fri 3/3/23	Wed 31/5/23	90 days	153	14	184 days	NA	NA	0%				
155			Wed 1/6/22	Thu 30/6/22	Thu 1/6/23	Fri 30/6/23	30 days	154	7	184 days	NA	NA	0%				
156		Planned Completion Date (Section 3)	Sun 31/12/23	Sun 31/12/23	Sun 31/12/23	3 Sun 31/12/23	0 days			1 day	NA	NA	0%				

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Appendix H

Implementation Schedule of Environmental Mitigation Measures (EMIS)



Environmental Mitigation Implementation Schedule

	Location		Implementa	tion Status	
Environmental Protection Measures		Implemented	Partially implemented	Not implemented	Not Applicable
Air Quality					
Dust control / mitigation measures shall be provided to prevent dust nuisance.	All areas		\checkmark		
Water sprays shall be provided and used to dampen materials.	All areas				
All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	All areas				
 Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. 	All areas	\checkmark			
 Unpaved areas should be watered regularly to avoid dust generation. 	Site Egress	\checkmark			
The designated site main haul road shall be paved or regular watering.	All haul roads	\checkmark			
The public road around the site entrance should be kept clean and free from dust.	All areas				
 Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site and and wash-water shall have sand and silt settled out or removed before being discharged into storm drains. 	Site Egress	\checkmark			
Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	Site Egress	\checkmark			
The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	All areas				
Vehicle and equipment should be switched off while not in use.	All areas				
All plant and equipment should be well maintained e.g. without black smoke emission.	All areas				
Open burning should be prohibited.	All areas				
 Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation (APCO Cap.311). 	All areas	\checkmark			
Noise Impact					
The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	All areas	\checkmark			
Only well maintained plant should be operated on-site and plant should be serviced regularly during the site works.	All areas	\checkmark			
Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	All areas				
Air compressors and hand held breakers should have noise labels.	All areas				
 Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum. 	All areas				
Noisy equipment and mobile plant shall always be site away from NSRs.	All areas				



	Location	Implementation	on Status		
Environmental Protection Measures		Implemented	Partially implemented	Not implemented	Not Applicable
Water Quality					
The existing / realigned intercepting channels and the sand / silt removal facilities shall be used and maintained.	All areas	\checkmark			
 Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels. 	All areas	\checkmark			
The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	All areas	\checkmark			
 The material shall be properly covered to prevent washed away especially before rainstorm. 	All areas	\checkmark			
 Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding. 	All areas	\checkmark			
 The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water. 	Temporary Slopes	\checkmark			
 Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. 	All areas	\checkmark			
 A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains. 	Wheel Washing facility	\checkmark			
 The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains. 	Site Egress	\checkmark			
 Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. 	Site Office	\checkmark			
 The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities. 	All areas	\checkmark			
 Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water. 	All areas	\checkmark			
 Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer. 	Along the seafront	\checkmark			
 A waste collection vessel shall be deployed to remove floating debris. 	Along the seafront	\checkmark			
Landscape and Visual					
The maximum stockpiling height at the fill bank shall be limited to a maximum of +40mPD.	All areas	\checkmark			
Surface of outer slopes of the Fill Bank shall preferably be hydroseeded.	Completed slopes	\checkmark			
• Stockpile of public fill shall be removed in a sequence to allow the outer hydrseeded to be removed later than other portions as far as practicable.	Completed slopes	\checkmark			
• Casuarina equisetifolia were planted as buffer tree along the northern perimeter of the Site. The height of Casuarina equisetifolia was maintained at least 3m above soil level.	Site boundary	\checkmark			
Lighting shall be set to minimise night-time glare.	All areas	√			
Waste Management					
Construction Waste Management					
Relevant licence / permits for disposal of construction waste or excavated materials available for inspection.	All areas				



		Location	Implementati	on Status		
	Environmental Protection Measures		Implemented	Partially implemented	Not implemented	Not Applicable
Excavat	ed material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal.	All areas	\checkmark		•	
Mud and	d debris should be removed from waterworks access roads and associated drainage systems.	All areas	\checkmark			
	ation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of is and their proper disposal.	All areas				
	disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste as public fill to minimise the quantity of waste to be disposed of to landfill.	All areas	\checkmark			
trip-ticke	to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a at system should be included as one of the contractual requirements.	All areas	\checkmark			
 Any soil 	contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials.	All areas	\checkmark			
Chemical	Waste Management					
Disposa	uired to register as a chemical waste producer if chemical wastes would be produced from the site activities. The Waste I Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) ion should be observed and complied with for control of chemical wastes.	Waste Storage Area	V			
After us Practice	e, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of e on the Packaging, Labelling and Storage of Chemical Wastes.	Waste Storage Area	\checkmark			
Spent cl or other	hemicals should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility licensed facility in accordance with the Chemical Waste (General) Regulation.	Waste Storage Area	\checkmark			
Chemica	al wastes should be separated for special handling and appropriate treatment at the Chemical Waste Treatment Facility.	Waste Storage Area	\checkmark			
Chemica	al wastes including waste oil should be stored properly in designated areas, e.g. chemical waste storage area.	Waste Storage Area	\checkmark			
The des	ignated chemical waste storage area should only be used for storing chemical wastes.	Waste Storage Area	\checkmark			
The set-u	p of chemical waste storage area should					
Be suita	ble for the substance they are holding, resistant to corrosion, maintained in a good condition.	Waste Storage Area	\checkmark			
Be enclo	osed on at least 3 sides and securely closed.	Waste Storage Area	\checkmark			
	n impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by of the chemical waste stored in that area, whichever is the greatest.	Waste Storage Area	\checkmark			
Have ad	lequate ventilation.	Waste Storage Area	\checkmark			
Be cove necessa	ered to prevent rainfall entering (water collected within the bund must be tested and disposal as chemical waste if ary).	Waste Storage Area	\checkmark			
Be arrar	nged so that incompatible materials are adequately separated.	Waste Storage Area	\checkmark			
Warning	panels should be displayed at the waste storage area.	Waste Storage Area				



	Location	Implementati	on Status		
Environmental Protection Measures		Implemented	Partially implemented	Not implemented	Not Applicable
Waste storage area should be cleaned and maintained regularly.	Waste Storage Area	\checkmark			
Chemical waste should be transported by a registered chemical waste collector to a facility licensed to receive chemical waste.	All areas				
All generators, fuel and oil storage should be within bundle areas.	All areas				
Oil leakage from machinery, vehicle and plant should be prevented.	All areas				
In the event of chemical waste / dangerous goods / chemicals spillage or leakage, the procedures as outlined in the Spillage Response Plan should be followed.	All areas	V			
• The dangerous goods / chemical spillage or leakage procedures (including equipments) should be in place.	All areas	\checkmark			
Good Site Practices					
Nomination of approved personnel, such as site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.	All areas				
Training of site personnel in proper waste management and chemical handling procedures should be provided.	All areas	\checkmark			
Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.	All areas	\checkmark			
Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	All areas	\checkmark			
The Environmental Permit should be displaced conspicuously on site.	Site Entrance				
Construction noise permits should be posted at site entrance or available for site inspection.	Site Entrance				
Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	All areas	\checkmark			
Chemical storage area provided with lock and located on sealed areas.	Chemical Storage Area	\checkmark			
All chemicals should be placed at the banded area with adequate band capacity (>110% of largest tank).	Chemical Storage Area	\checkmark			
Any unused chemicals or those with remaining functional capacity should be recycled.	All areas				
• Regular cleaning and maintenance programme for waste storage area, drainage systems, silt traps, sumps and oil interceptors.	All areas				
To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.	All areas	\checkmark			
A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.	All areas	\checkmark			
 A collection area should be provided where waste can be stored and loaded prior to removal from site. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. If an open area is unavoidable for the storage or loading/unloading of wastes, then the area should be bunded and all the polluted surface run-off collected within this area should be diverted into wastewater treatment system. 	All areas	V			
Remove wastes in a timely manner.	All areas	\checkmark			



Appendix I

Statistical Analysis of the Trend of Suspended Solids in the Quarter



Statistical Analysis of the Trend of Suspended Solids

For Mid-Flood Tide

Station: TM-FM1

<u>t-test</u>

Group Name	Ν	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	5.9733	1.3518	0.3902
Quarterly Mean	38	0	2.9645	0.9050	0.1468

Result:

Difference between means = 3.0088 (95% CI : 2.3266 < Diff < 3.6911)

t-value of difference = 7.2166 (14 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:

There is statistically significant difference between the groups. The P-Value of 130% Baseline Mean is larger than quarterly mean = >0.99The result of suspended solids in this reporting period is lower than that of 130% baseline.

Station: TM-FM2

<u>t-test</u>

Group Name	Ν	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	6.0267	1.1748	0.3391
Quarterly Mean	38	0	3.1268	0.7670	0.1244

Result:

Difference between means = 2.8999 (95% CI : 2.3158 < Diff < 3.4841)

t-value of difference = 8.0277 (14 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:



Statistical Analysis of the Trend of Suspended Solids

For Mid-Flood Tide

Station: TM-FC1

<u>t-test</u>

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	6.6942	1.8839	0.5438
Quarterly Mean	38	0	3.1947	1.1451	0.1858

Result:

Difference between means = 3.4995 (95% Cl : 2.6003 < Diff < 4.3987)

t-value of difference =6.0894 (14 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:

There is statistically significant difference between the groups. The P-Value of 130% Baseline Mean is larger than quarterly mean = >0.99The result of suspended solids in this reporting period is lower than that of 130% baseline.

Station: TM-FC2

<u>t-test</u>

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	6.3067	1.8674	0.5391
Quarterly Mean	38	0	3.3276	0.9581	0.1554

Result:

Difference between means = 2.9791 (95% Cl : 2.1618 < Diff < 3.7963)

t-value of difference = 5.3100 (13 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:



Statistical Analysis of the Trend of Suspended Solids For Mid-Ebb Tide

Station: TM-FM1

<u>t-test</u>

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	7.0008	1.6394	0.4733
Quarterly Mean	38	0	3.1605	1.1440	0.1856

Result:

Difference between means = 3.8403 (95% Cl : 2.9916 < Diff < 4.6889)

t-value of difference = 7.5545 (15 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:

There is statistically significant difference between the groups. The P-Value of 130% Baseline Mean is larger than quarterly mean = >0.99The result of suspended solids in this reporting period is lower than that of 130% baseline.

Station: TM-FM2

<u>t-test</u>

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	7.2758	1.5293	0.4415
Quarterly Mean	38	0	3.2228	0.9589	0.1556

Result:

Difference between means = 4.0530 (95% CI : 3.3102 < Diff < 4.7958)

t-value of difference = 8.6588 (14 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:



Statistical Analysis of the Trend of Suspended Solids

For Mid-Ebb Tide

Station: TM-FC1

<u>t-test</u>

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	7.0008	1.6394	0.4733
Quarterly Mean	38	0	3.4583	1.2013	0.1949

Result:

Difference between means = 3.5425 (95% CI : 2.6672 < Diff < 4.4177)

t-value of difference = 6.9215 (15 degrees of freedom)

Calculated t-value > Critical t-value

Conclusion:

There is statistically significant difference between the groups. The P-Value of 130% Baseline Mean is larger than quarterly mean = >0.99The result of suspended solids in this reporting period is lower than that of 130% baseline.

Station: TM-FC2

t-test

Group Name	N	Missing	Mean	Std Dev	SE
130% Baseline Mean	12	0	7.2758	1.5293	0.4415
Quarterly Mean	38	0	3.2684	1.0114	0.1641

Result:

Difference between means = 4.0074 (95% CI : 3.2412 < Diff < 4.7736)

t-value of difference = 8.5087 (14 degrees of freedom)

Calculated t-value > Critical t-value

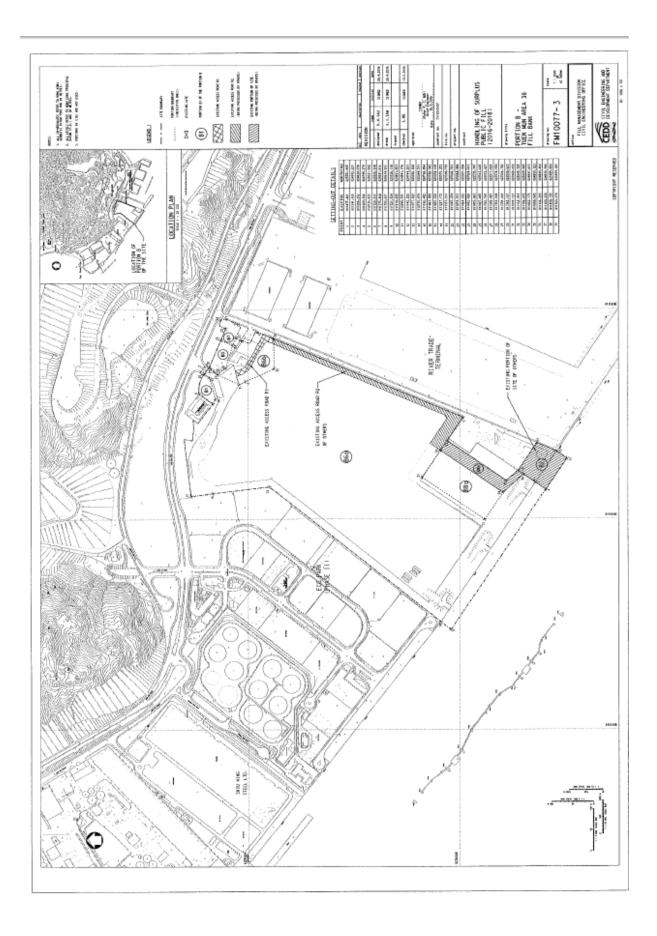
Conclusion:



Appendix J

Site General Layout plan







Appendix K

Weather Condition

	Mean	Δ.	r Temperatu	120	Mean	Mean	Total	Prevailing	Mean
	Pressure	AI	r remperatu	ire	Dew	Relative	Rainfall	Wind	Wind
	(hPa)				Point	Humidity	(mm)	Direction	Speed
Day		Absolute	Mean	Absolute	(deg. C)	(%)		(degrees)	(km/h)
		Daily	(deg.C)	Daily					
		Max		Min					
		(deg. C)		(deg. C)					
1	1023.3	19.3	16.9	14.5	10.2	65	0.1	10	23.4
2	1023.1	21.6	18.7	17.2	12	65	Trace	20	21.8
3	1023.7	19.2	17.3	16.1	11.4	69	Trace	10	24.1
4	1023.4	19.9	17.4	15.8	12.7	74	Trace	60	26.8
5	1023.4	21.4	18.5	16.8	14.3	77	-	60	21.7
6	1022.6	23.4	19.8	17	11.9	62	-	10	18.4
7	1020.5	21.3	19.1	17.9	10.9	59	-	60	23.8
8	1020	20	18.6	17	9.8	57	Trace	70	35
9	1019.5	21.4	19.7	18.2	14.3	72	0.1	50	22.8
10	1018.8	19	18.2	17.6	16.8	91	5.5	40	23.4
11	1017.6	19.1	18.1	17	15.9	87	3.2	60	31
12	1014.5	19.6	18.8	17.5	16.8	88	0.5	50	26.9
13	1011	23.9	21.7	18.9	20.5	93	4.5	20	14.5
14	1009.4	24.7	22.7	20	20.9	90	3.4	250	9.4
15	1014.4	21.6	18.4	13	14.7	80	Trace	10	25.9
16	1021.6	13.2	12.3	11.3	6.2	66	-	360	30.6
17	1023.6	15.2	13.2	11	8	71	-	10	24.2
18	1024.1	17.1	14.3	11.5	6.2	58	-	10	22.5
19	1022.3	18.7	16.1	13.3	8.9	63	-	40	14.4
20	1021.4	20.9	17.6	15.9	10.1	62	Trace	20	20.6
21	1019.5	18.8	16.9	16	13.1	79	Trace	80	36.9
22	1016.5	22.4	18.8	16.6	15.8	83	0.6	40	15.5
23	1016.2	21.1	18.8	16.9	16.4	86	-	50	11.3
24	1024.5	18.7	14.7	12	4.3	51	0.3	10	48.6
25	1023.1	14.4	12.5	10.6	3.5	54	-	60	31.8
26	1019.3	18.6	15.7	13	9.4	66	-	60	26.8
27	1022.5	17.3	15.4	12.4	3.2	46	-	10	40.8
28	1024.1	15.7	12.9	10.6	-5.2	28	-	10	32.6
29	1023.7	16	12.8	9.8	-2.6	35	-	360	18.6
30	1022.2	18.8	15	11.7	3.5	48	-	60	18.3
31	1017.9	20.1	16.9	13.8	9.1	61	-	60	27.3

Daily Extract of Meteorological Observations , January 2023 - Tuen Mun

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

	-					-	·	- Tuen w	
	Mean				Mean	Mean	Total	Prevailing	Mean
	Pressure	Ai	r Temperatu	ıre	Dew	Relative	Rainfall	Wind	Wind
	(hPa)				Point	Humidity	(mm)	Direction	Speed
Day		Absolute	Mean	Absolute	(deg. C)	(%)		(degrees)	(km/h)
								(()
		Daily Max	(deg.C)	Daily Min					
		(deg. C)		(deg. C)					
	4045.0	_	40.0		45.0	77		00	47.0
1	1015.6	23.7	19.9	17.8	15.8	77	-	30	17.8
2	1018.2	21.2	19.4	17.9	15.2	77	-	80	31.4
3	1018.6	19.9	17.9	16.7	13.6	76	-	70	31.3
4	1017.4	19.1	17.4	16.6	14.2	81	0.4	70	32.8
5	1016	19.3	17.9	16.8	15	83	Trace	70	27.5
6	1014.6	21.1	19.2	17.9	16.6	85	0.1	30	14
7	1015.4	24.8	21	18.8	17.9	83	Trace	80	11.3
8	1017.1	20.1	18.5	17.2	15.8	84	Trace	70	35
9	1016.3	23.5	19.5	16.9	16.5	83	0.1	60	24.1
10	1014.9	24.2	21.2	19.5	18.9	87	0.1	20	15
11	1014.6	20.2	18.7	17.8	17.6	93	0.9	40	25.4
12	1013.9	21.1	19.9	18.7	19.1	95	Trace	40	20.4
13	1013.7	26.1	22.3	19.5	20.2	88	Trace	40	10.4
14	1018.8	20.7	18.5	16.6	11.4	64	-	10	31.4
15	1023.5	20.3	16.3	13.1	8.4	60	-	10	28.2
16	1024.7	19.9	16.8	14.5	9.3	62	-	70	28.4
17	1021.2	24	18.7	15.6	13	70	-	70	26
18	1018.2	25.1	21	18	14.6	67	-	50	13.6
19	1017.6	26.6	22.8	19.8	16.4	67	Trace	360	17.5
20	1019.2	24.1	20.1	18.2	12.8	64	-	80	26.8
21	1022.6	20.5	17.8	16.1	10.3	62	-	80	46.4
22	1022.2	20.4	16.9	14.8	9.3	61	-	80	39.7
23	1018.6	22.9	18.2	15.4	12.6	70	-	70	23.7
24	1018.9	23.4	19.8	17	13.3	67	-	50	20.1
25	1026.5	21	17.1	14.8	7.7	54	-	10	34.8
26	1029.2	21.2	16.8	14.4	8.3	58	-	80	28.2
27	1027.4	20.1	16.4	14.2	8.4	60	-	80	40.5
28	1024	22.3	17.8	14.9	12.3	71	-	70	26.8

Daily Extract of Meteorological Observations , February 2023 - Tuen Mun

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

	,					,			
	Mean				Mean	Mean	Total	Prevailing	Mean
	Pressure	Ai	r Temperatu	ıre	Dew	Relative	Rainfall	Wind	Wind
	(hPa)				Point	Humidity	(mm)	Direction	Speed
Day		Absolute	Mean	Absolute	(deg. C)	(%)		(degrees)	(km/h)
		Daily	(deg.C)	Daily					
		Max	(ueg.C)	Min					
		(deg. C)		(deg. C)					
	1001 5		10.7		444	74		40	44 F
1	1021.5	24.4	19.7	16.4	14.1	71	-	40	11.5
2	1023.8	23.2	19.8	17.8	14 9.5	70	-	80	34.7
3	1024.9	22.4	18.6	16.5		56	-	80	30.8
	1024.4	23.8	19.6	17.3	12.4	65	-	80	17.7
5	1023.6	23.5	19.7	17.3	10.1	57	-	80	26
6	1022.4	24.1	20	17.4	8.5	50	-	70	27.8
7	1020.9	24.1	20.1	17.7	10.8	56	-	70	21.8
8	1019.7	25.7	21.6	19.1	17.3	77	-	30	8.3
9	1017.7	27	22.5	19.5	17.6	75	-	230	5
10	1017.6	26.6	22.4	20.3	15.8	68	-	70	19.8
11	1018.3	26	22.1	19.9	15.6	67	-	70	20.2
12	1018.9	25.6	22.6	20.2	16.8	71	0.1 T	10	13.8
13	1020.4	22.4	20.1	19.1	13.1	64	Trace	80	24.5
14	1016.8	22.9	19.7	18.7	14.8	73	-	80	20.5
15	1017.4	24.5	21	18.7	16.8	77	-	80	13.2
16	1018.4	25.8	22	19.4	16.3	72	Trace	80	17.6
17	1016.8	26.1	21.7	20	18.6	83	0.5	70	20.5
18	1015.5	26.8	22.3	19.8	18.7	80	-	90	12.6
19	1015.2	21.9	20.6	20	18.2	86	0.6	80	32.5
20	1012	24.4	21.8	20.1	19.7	88	0.3	80	18.8
21	1009.2	25.4	23.7	22.1	21	85	Trace	170	14.8
22	1008	25.6	24.7	24.1	21.7	83	Trace	190	21.9
23	1008.6	26.3	25	24.1	21.6	81	-	200	17.5
24	1011.4	29	25.6	23.3	21.8	80	-	120	16.7
25	1013.1	26.4	23.4	20.9	21.4	89	53.5	80	28.5
26	1014	21.6	20.8	20	19.2	91	5.9	50	28.6
27	1016.2	20	18.6	17.5	16.1	86	6.3	80	42.3
28	1017.6	20.1	18.7	17.2	15.9	84	Trace	70	37.1
29	1015.4	21.8	19.9	18.4	17.5	86	0.9	80	30.6
30	1012.9	21.4	20.8	19.8	18.9	89	0.3	80	22.8
31	1013.3	21.1	20.3	19.6	19	92	1.9	90	28.1

Daily Extract of Meteorological Observations , March 2023 - Tuen Mun

Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected



Appendix L

Complaint Log



Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation / Mitigation Action	Status
001	Lung Mun Road near Tuen Mun Area 38 Fill Bank	24 May 2017	One complaint received on 24 May 2017, which was forwarded to ET on 03 June 2017, from public against the rocks and debris deposited on the road surface along Lung Mun Road near Tuen Mun Area 38 Fill Bank. The complainant complained that waste generated caused an environmental nuisance.	 Refer to the ET site investigation on 06 June 2017, the condition of Lung Mun Road near Tuen Mun Area 38 Fill Bank was found satisfactory. Details of Action(s) Taken by the Contactor: Regular water spraying by water lorries is provided for road cleaning at Lung Mun Road; Regular cleaning on Lung Mun Road and the access road at the site exit by road sweeper to remove mud and gravel is arranged four times on each working day; Site vehicles are washed to remove any dusty materials from their bodies and wheels by using high pressure water jet manually at the entrance of work site before leaving; Site vehicle for transporting materials are covered properly by using clean tarpaulin sheets; Regular cleaning at the site haul road is provided to minimize the fugitive dust emission. 	Closed
002	Lung Mun Road near Tuen Mun Area 38 Fill Bank	16 April 2018	One complaint received on 16 April 2018 from public and forwarded to ET by email at 10:51 on 25 May 2018. The complaint detail was"來往屯門第 38 區填料庫的龍門路沿 路有很多泥頭車出入,泥頭會從車上掉至路面上,要求部門 跟進及回覆。"	 Refer to the ET site investigation on 26 May 2018, the condition of Lung Mun Road near Tuen Mun Area 38 Fill Bank was found satisfactory. Details of Action(s) Taken by the Contactor: Regular cleaning on Lung Mun Road and the access road at the site exit by road sweeper to remove mud and gravel is arranged four times on each working day; Regular water spraying by water lorries is provided for road cleaning at Lung Mun Road; Site vehicles are washed to remove any dusty materials from their bodies and wheels by using high pressure water jet manually at the entrance of work site before leaving; Site vehicles for transporting materials are covered properly by using clean tarpaulin sheets; Regular cleaning at the site haul road is provided 	Closed



003	Lung Mun Road near Tuen Mun Area 38 Fill Bank	26 June 2018	One complaint received on 26 June 2018 from public and forwarded to ET by email at 13:58 on 03 July 2018. The complaint detail was" 當天水車於 6 時出動洗街,導致交通阻塞."	 Refer to the ET site investigation on 07 July 2018, the condition of Lung Mun Road near Tuen Mun Area 38 Fill Bank was found satisfactory. Details of Action(s) Taken by the Contactor: Improve the road washing plan to avoid washing in traffic peak peroid Revised the road washing schedule as soon as possible once there is traffic jam 	Closed
004	Tuen Mun Area 38 Fill Bank	06 October 2021	A complaint was received on 06 October 2021 from public regarding dust nuisance within TM38 Fill Bank and was forwarded to ET by email on 06 October 2021 for investigation.	 Refer to the ET site investigation on 12 October 2021, no defective observation related to dust emission was recorded during the investigation. Details of Action(s) Taken by the Contactor: Regular water spraying by water lorries is provided for dust suppression inside the Fill Bank. Regular cleaning at the site haul road is provided to minimize the dust emission. 	Closed



005	Tuen Mun Area 38 Fill Bank	28 June 2022	A complaint was received on 28 June 2022, which was forwarded to ET by email on 28 June 2022 for investigation, from public against "土木工程署屯門第 38 區填料庫經常發 出異味,致現場的空氣及環境被受污染,土木工程拓展署難 辭其咎,環保署亦應就現場大量大型車輛造成的空氣污染作 出跟進。"	 Refer to the ET site investigation on 30 June 2022, no defective observation related to dust emission was recorded during the investigation Details of Action(s) Taken by the Contactor: Regular water spraying by water lorries is provided for dust suppression inside the Fill Bank; Regular cleaning at the site haul road is provided to minimize the dust emission; Site vehicles are washed to remove any dusty materials from their bodies and wheels by using high pressure water jet manually at the entrance of work site before leaving; 	Closed
006	Tuen Mun Area 38 Fill Bank	05 July 2022	A complaint was received on 05 July 2022, which was forwarded to ET by email on 15 July 2022 for investigation, from an environmental group against "為何 TM38 區之斜坡 不同蓋上帆布" .	 Refer to the ET site investigation on 14 July 2022, no defective observation related to dust emission was recorded during the investigation. Details of Action(s) Taken by the Contactor: Regular water spraying by water lorries is provided for dust suppression inside the Fill Bank. Regular cleaning at the site haul road is provided to minimize the dust emission. 	Closed



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007 Tuen Mu Area 38 F Bank	50	A complaint was received on 30 September 2022, which was forwarded to ET by email on 03 October 2022 for investigation, against "In recent days, we found that there was significant dust emission from the fill bank. As you are aware that we need to conduct RSP and TSP monitoring at the site boundary with very tight limits. We worry that these situations might affect our measurement. Please see the videos attached. They are taken on 21 Sept and one on 26 Sept. Grateful if you could investigate the cases and ensure dust is properly controlled.".	The video provided by the complainant showed that there was serious dust emission in 3RS collection area of public fill. Based on this situation, mitigation measures implemented in TM38 Fill Bank were reviewed and enhanced to avoid dust emission. A joint site inspection and meeting was carried out on 06 October 2022 to discuss the dust emission at TM38 Fill Bank. The location of 3RS and discharge point would be inspected in every weekly environmental audit. The status of 3RS location would be recorded to monthly EM&A report. Details of Action(s) Taken by the Contactor: 1. Increasing the frequency of water spraying by water lorries inside the Fill Bank. 2. Setting up water spraying machine in the 3RS area 3. Regular cleaning at the site haul road is provided to minimize the dust emission.	Closed



Figures



