China International Water & Electric Corp

Contract No. CV/2013/02

CEDD Maintenance Contract for Seawalls and Navigation Channels (2013-2016)

Dredging at Cruise Terminal Stage 2

Quarterly EM&A Report

March to May 2014 (Version 2.0)

Certified By	ChipNit
	Dr. Priscilla Choy Environmental Team Leader (Date: 25 June 2014)

REMARKS:

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

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

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EXECUTIVE SUMMARY

Introduction

1. This is the 1st Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the project "Contract No. CV/2013/02 – CEDD Maintenance Contract for Seawalls and Navigation Channels (2013 – 2016) Dredging at Cruise Terminal Stage 2" (hereinafter called the "Project"). This report documents the findings of EM&A Works in the period between March and May 2014.

Environmental Monitoring and Audit Progress

2. A summary of the monitoring activities under the Project in this reporting period is listed in **Table I** below:

Table ISummary Table for Monitoring Activities under Project in theReporting Period

Parameter(s)	Date(s)
Water Quality Monitoring	15 th , 17 th , 22 nd , 24 th , 26 th , 28 th and 30 th April 2014
	2 nd , 5 th , 8 th , 10 th , 12 th , 14 th , 16 th , 19 th , 21 st , 23 nd , 26 th , 28 th and 30 th May 2014
Environmental Site Inspection	17 th and 24 th April 2014
	2 nd , 8 th , 15 th , 22 nd and 28 th May 2014

Remarks: Water Quality Monitoring in March 2014 and 2nd, 4th, 7th, 9th, 11th, 14th April 2014 were conducted by Lam Environmental Service Limited (Environmental Team of Stage 1 Dredging for Kai Tak Cruise Terminal). The graphical presentation of these monitoring results is provided in this Quarterly EM&A Report (March to May 2014) for completeness.

Breaches of Action and Limit Levels

3. Summary of the environmental exceedances of the reporting period is tabulated in **Table II**.

Table II Summary Table for Events Recorded in the Reporting Period

	Parameter		ceedance	No. of Exceedance related to the Dredging Activities of this Project	
Environmental Monitoring		Action Level	Limit Level	Action Level	Limit Level
	Turbidity	0	0	0	0
	Suspended Solids (SS)	0	0	0	0

Water Quality

4. All water quality monitoring was conducted as scheduled in the reporting period except the impact water quality monitoring scheduled on 31 March 2014 at ebb tide which was cancelled by Lam Environmental Service Limited due to the Amber Rainstorm Warning Signal. No Action/Limit Level exceedance was recorded.

Noise Monitoring

5. Due to the non-existence of planned NSRs during the reporting period, no noise monitoring was required to be conducted at the planned noise monitoring locations NM1 and NM2.

Complaint Log

6. No environmental complaints were received in the reporting period.

Notification of Summons and Successful Prosecutions

7. No notification of summons and successful prosecution was received in the reporting period.

Reporting Changes

8. This report has been developed in compliance with the reporting requirements for the Quarterly EM&A Report as required by the EM&A Manual for Dredging Works for Proposed Cruise Terminal at Kai Tak (EM&A Manual).

Future Key Issues

- 9. Major site activities for the coming reporting month will include:
 - (a) Dredging down to level -12.0 mCD & disposal of marine sediment at Designated Dumping Grounds;
 - (b) Refuse collection at Tai Wan & Cha Kwo Ling WSD Flushing Water Intakes; and
 - (c) Maintenance of silt curtains and silt screens.

1 INTRODUCTION

- 1.1 Cinotech Consultants Limited (Cinotech) was appointed by China International Water & Electric Corp (hereinafter called "the Contractor") as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme during dredging works of the Contract No. CV/2013/02 – CEDD Maintenance Contract for Seawalls and Navigation Channels (2013 – 2016) Dredging at Cruise Terminal Stage 2" (hereinafter called the "Project") in accordance with EP Conditions 2.1.
- 1.2 The dredging works under the Project was commenced on 20th April 2014.

Purpose of the report

1.3 This is the 1st Quarterly EM&A report which summarises the impact monitoring results and audit findings for the EM&A programme in the period between March and May 2014.

Structure of the report

1.4 The structure of the report is as follows:

Section 1: Introduction - purpose and structure of the report.

Section 2: **Project Information** - summarises background and scope of the Project, site description, project organization and contact details, construction programme, the construction works undertaken and the status of Environmental Permits/Licenses during the reporting period.

Section 3: Environmental Monitoring and Audit Requirements - summarises the monitoring parameters, monitoring frequency, monitoring locations, Action and Limit Levels, Event / Action Plans, site audit summary and environmental mitigation measures.

Section 4: **Environmental Monitoring Results -** summarises the environmental monitoring results in terms of water quality.

Section 5: **Environmental Non-conformance -** summarises any monitoring exceedance, environmental complaints, environmental summons and successful prosecutions within the reporting period.

Section 6: Conclusions and Recommendation

2 **PROJECT INFORMATION**

Background

- 2.1 The former Kai Tak Airport located in the south-eastern part of Kowloon Peninsula was the international airport of Hong Kong. The Kai Tak Airport had come into operations since 1920s. The operation of the Kai Tak Airport was ceased and replaced by the new airport at Chek Lap Kok in July 1998. After closure, the disused airport site has been occupied by various temporary uses, including a golf driving range on the runway area.
- 2.2 In 2002, the Chief Executive in Council approved the Kai Tak Outline Zoning Plans (No. S/K19/3 and S/K21/3) to provide the statutory framework to proceed with the South East Kowloon Development at the former Kai Tak Airport. However, following the judgment of the Court of Final Appeal in January 2004 regarding the Harbour reclamation, the originally proposed development which involves reclamation has to be reviewed. The Kai Tak Planning Review (KTPR) has resulted with a Preliminary Outline Development Plan (PODP) for Kai Tak in October 2006. Subsequently, the Administration announced in October 2006 a plan to implement a cruise terminal at Kai Tak, as part of the development.
- 2.3 Development of the cruise terminalat Kai Tak would require dredging at the existing seawall at the southern tip of the former Kai Tak Airport runway for construction of a quay deck structure for two berths, and dredging the seabed fronting the new quay to provide necessary manoeuvring basin. The general layout of the proposed cruise terminal construction is shown in **Figure 1**.
- 2.4 The current Project involves a dredging operation exceeding 500,000m³ for construction and operation of the proposed cruise terminal at Kai Tak and is therefore classified as a Designated Project under Item C.12, Part I, Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO). An Environmental Impact Assessment (EIA) Study for the Project has been undertaken in accordance with the EIA Study Brief (No. ESB-159/2006) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM).
- 2.5 Stage 1 dredging and removal and reconstruction of existing seawall were completed and Stage 2 dredging works were commenced on 20th April 2014.

Project Organisation

- 2.6 Different parties with different levels of involvement in the Project organization include:
 - Project Proponent Civil Engineering and Development Department (Kowloon Development Office) (CEDD)
 - Engineer's Representative (ER) URS Hong Kong Ltd.
 - Contractor China International Water & Electric Corp (CIWEC)
 - Environmental Team (ET) Cinotech Consultants Ltd. (Cinotech)
 - Independent Environmental Checker (IEC) Fugro (HK) Limited (Furgo)
- 2.7 The proposed project organization and lines of communication with respect to the onsite environmental management structure are shown in **Figure 4**. The key personnel contact names and numbers are summarized in **Table 2.1**.

Table 2.1 Key Contacts of the Project							
Party	Role	Position	Name	Phone No.	Fax No.		
CEDD	CEDD Project Proponent		Ms. Esther Yung	2301 1302	2301 1277		
URS Hong Kong Ltd.		Resident Engineer	Mr. Tsui Shiu Kai	2148 7638	2148 7277		
		Project Manager	Mr. YF Cho 2727 0128 237		2379 5931		
CIWEC	Contractor	Site Agent	Mr. KM Mok	2727 0128			
		Environmental Officer	Mr. Jerry Lau	6353 5489	2379 5931		
Fugro	Independent Environmental Checker (IEC)	IEC	Mr. Joseph Poon	2450 8238	2450 6138		
Cinotech	Environmental Team Leader (ETL)	ETL	Dr. Priscilla Choy	2151 2089	3107 1388		

Construction Programme

2.8 A copy of Contractor's construction programme is provided in Appendix A.

Summary of Construction Works Undertaken During Reporting Period

- 2.9 The major site activities of the Project undertaken in the reporting period included: <u>April 2014:</u>
 - (a) From 1st April to 30th April 2014, the floating type silt curtain & silt screens were fabricated at Cha Kwo Ling Depot;
 - (b) Silt screen at Cha Kwo Ling Intake and 4 nos. of concrete sinkers were installed on 14th April 2014;
 - (c) Silt screen at Tai Wan Intake was installed on 16th April 2014;
 - (d) Fabricate 2 nos. close grab;
 - (e) Mobilize plant & equipment on site;
 - (f) Dredging and disposal of sediment started from 20th April 2014;
 - (g) Collect refuse in the three WSD's intakes.

May 2014:

- (h) Dredging down to level -12.0 mCD & disposal of a Designated Dumping Grounds;
- (i) Refuse collection at Tai Wan & Cha Kwo Ling WSD Flushing Water Intakes; and
- (j) Maintenance of silt curtains.

Status of Environmental Licences, Notification and Permits

2.10 The valid environmental licenses and permits were attached in the Monthly EM&A Reports.

3 ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

3.1 The EM&A Manual designates locations for the ET to monitor environmental impacts in terms of water quality and noise to the Project. The monitoring locations are depicted in **Figures 2 and 3**. The details of monitoring requirements are presented in **Table 3.1**.

Type of Monitoring	Parameter	Location	Frequency	Depth
Water Quality	Temperature(°C) pH(pH unit) turbidity (NTU) water depth (m) salinity (ppt) dissolved oxygen (DO) (mg/L and % of saturation) suspended solids (SS) (mg/L)	WSD9 WSD10 WSD17	Impact monitoring: 3 days per week, at mid-flood and mid- ebb tides during the course of dredging works	mid-depth

 Table 3.1
 Summary of Impact EM&A Requirements

Noise Monitoring

- 3.2 In accordance with the EIA Report and the EM&A Manual, it is anticipated that construction activities, if unmitigated, would not cause any adverse noise impact to the nearest NSRs in the vicinity of the work site. The predicted noise levels at the NSRs would comply with construction noise criteria.
- 3.3 These nearest NSRs are designated for construction noise monitoring as listed in Table 3.2 and **Figure 3**.

Monitoring Stations	Description
NM1	Planned Residential Development (R3 site)
NM2	Planned Residential Development (R3 site)

Table 3.2 Planned Noise Monitoring Stations during Construction Phase

3.4 As per Section 3.1.1 of the EM&A Manual states that "Noise levels shall be monitored to evaluate the construction noise impact if there is any planned noise sensitive receivers (NSRs) occupied within 300m from the works area of this Project during the proposed dredging works". Therefore, the impact monitoring for construction noise shall only be carried out when the planned residential development at the two identified monitoring stations are occupied at a later stage.

Monitoring Methodology and Calibration Details

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

Environmental Quality Performance Limits (Action and Limit Levels)

3.6 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results (except the Action and Limit Levels for underwater noise monitoring). Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Table 3.3**.

Table 5.5 Action and Emitt Levels for water Quanty Monitoring								
Station	Turbidity (NTU)				Suspended Solid (mg/L)			
	Action Level		Action Level Limit Level Ac		Action 1	Action Level		evel
	Dry Wet Dry Wet		Dry	Wet	Dry	Wet		
	Season	Season	Season	Season	Season	Season	Season	Season
WSD9	5.6	7.0	10.6	13.4	10.2	12.8	10.8	13.5
WSD10	6.3	8.1	9.4	12.1	10.0	11.2	11.8	13.2
WSD17	10.0	12.9	15.3	19.7	13.2	14.7	15.3	17.0

Table 3.3Action and Limit Levels for Water Quality Monitoring

Implementation Status of Environmental Mitigation Measures

- 3.7 According to the EIA Study Report, Environmental Permit and the EM&A Manual, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An updated summary of the EMIS is provided in **Appendix D**.
- 3.8 Closed grab dredger was used for dredging works to minimize release sediment and other contaminants during dredging.
- 3.9 Dredging works under the Project was not carried out concurrently with the dredging works in Stage 1 area.
- 3.10 No more than two dredgers were used at the same time during the dredging and the total maximum dredging rate was not exceed 4,000m³ per day and 334m³ per hour.
- 3.11 Silt curtain was installed around the dredgers during the dredging operation.
- 3.12 Silt screen was installed at the Water Supplies Department's flushing water intakes at Cha Kwo Ling, Quarry Bay and Tai Wan.
- 3.13 Regular maintenance of the silt screens and refuse collection was performed at the silt screens on daily basis.

Site Audit Summary

3.14 Site audits were carried out by ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The observations and recommendations made during the reporting period are summarized in **Appendix E**.

Status of Waste Management

3.15 According to the Contractor, marine sediment (Type 1 – Open Sea Disposal at East of

Sha Chau / The South of Brothers and Type 2 – Confined Marine Disposal) were generated and disposed during the reporting period.

3.16 The amount of marine sediment under the Project during the reporting period is shown in **Table 3.4**.

Т	abl	ما	2	1
11	10	le	э.	4

Summary of Marine Sediment in Reporting Period

Waste Type	Quantity in the Reporting Period, m ³ (Bulk Volume)	Cumulative-to-Date m ³ (Bulk Volume)	Disposal / Dumping Ground
Marine Sediment (Type1 – Open Sea Disposal)	42,500	42,500	East of Sha Chau / The South of Brothers
Marine Sediment (Type 1 – Open Sea Disposal (Dedicated Sites) and Type 2 – Confined Marine Disposal	35,700	35,700	The South of Brothers

4 ENVIRONMENTAL MONITORING RESULTS

Water Quality Monitoring Results

- 4.1 The graphical presentation of water quality at the monitoring stations is shown in **Appendix B**.
- 4.2 No Action/Limit Level exceedance was recorded for water quality.

5 ENVIRONMENTAL NON-CONFORMANCE (EXCEEDANCES)

Summary of Exceedances

- 5.1 Summary of exceedance is provided in Appendix F.
- 5.2 No Action/Limit Level exceedance was recorded for water quality.

Summary of Environmental Complaint

5.3 No environmental related complaint was received in the reporting period. The Complaint Log is attached in **Appendix G**.

Summary of Notification of Summons and Successful Prosecution

5.4 There was no prosecution or notification of summons received since the Project commencement.

6 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- 6.1 The Quarterly Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken in the period between March and May 2014 in accordance with EM&A Manual.
- 6.2 No Action/Limit Level exceedance was recorded for water quality.
- 6.3 Environmental site inspection was conducted on 17th and 24th April 2014 and 2nd, 8th, 15th, 22nd and 28th May 2014 by ET in the reporting period. All deficiencies identified during the site inspection have already rectified / improved during the follow-up audit session.
- 6.4 There were no environmental complaint, no notification of summons and successful prosecution received.
- 6.5 The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Recommendations

6.6 According to the environmental audit performed in the reporting period, the following recommendations were made:

Air Quality Impact

To regularly maintain the quality of machinery on site.

Water Impact

To provide regularly check and maintenance for the silt curtain / screen throughout the dredging period.

To ensure the grab dredger is tightly closed to avoid splashing of dredged materials.

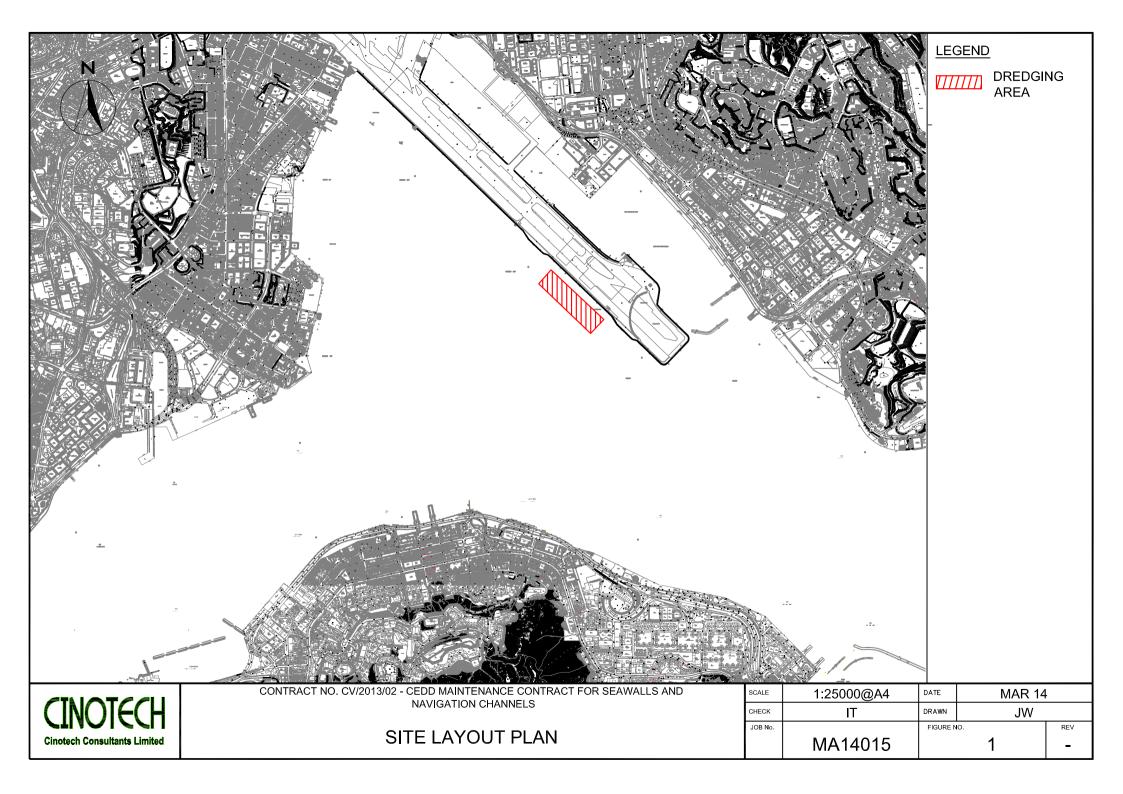
Waste/Chemical Management

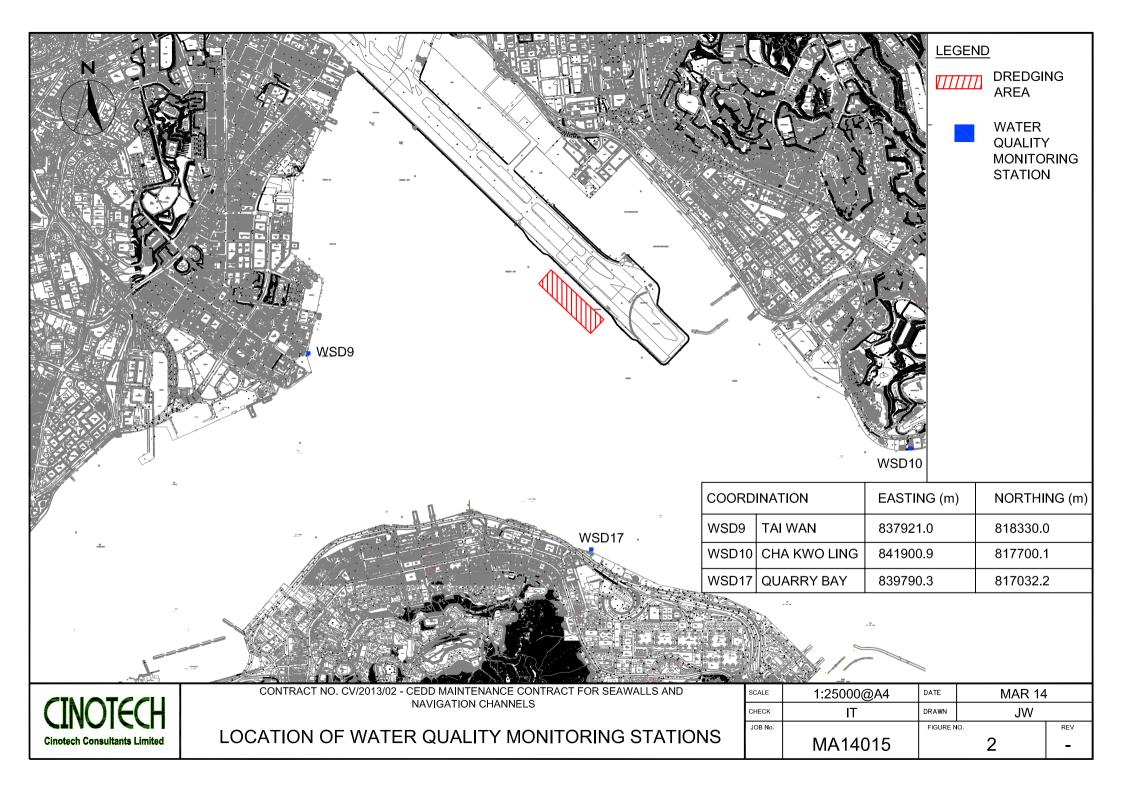
To check for any accumulation of waste materials or rubbish on site.

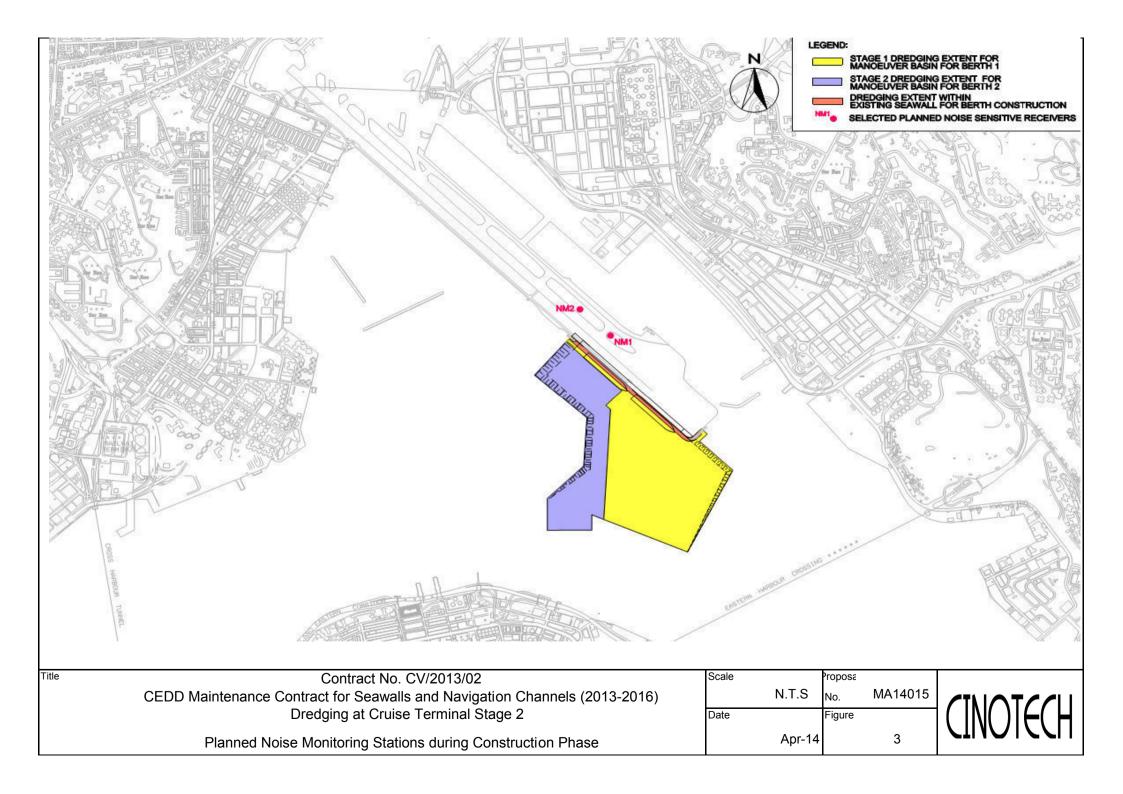
To avoid any discharge or accidental spillage of chemical waste or oil directly from the site.

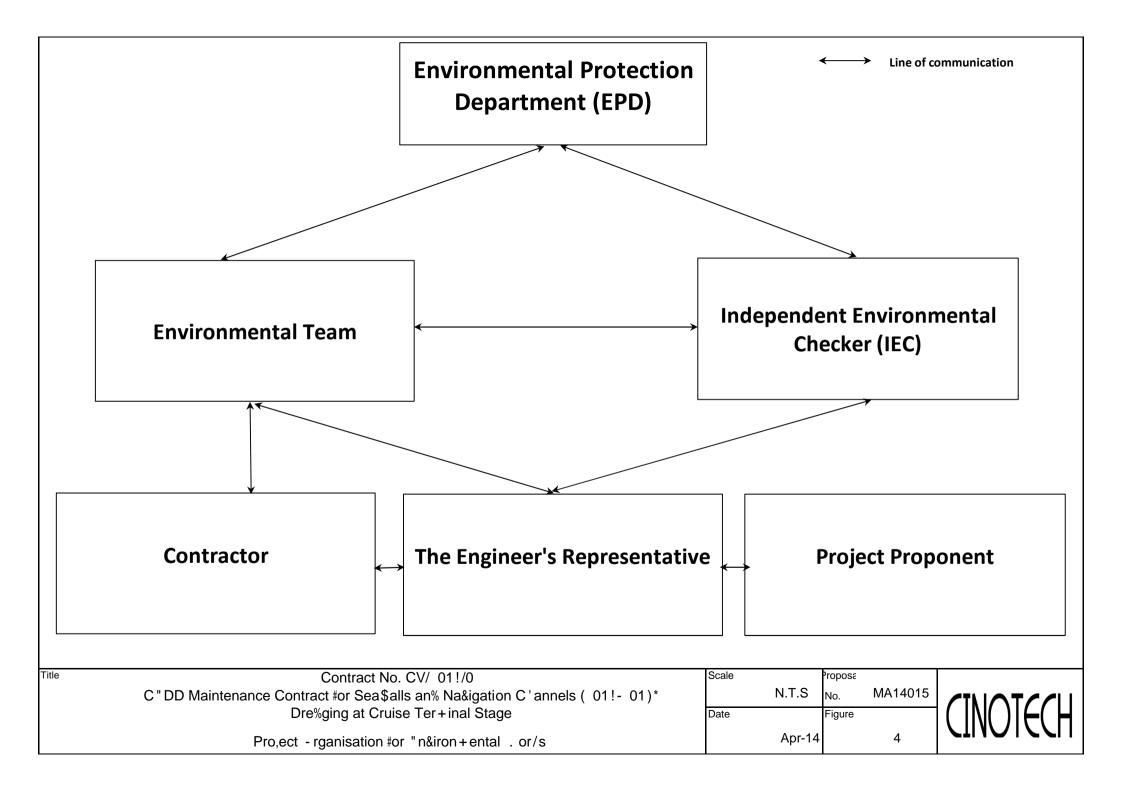
To avoid improper handling or storage of oil drum on site.

FIGURE(S)









APPENDIX A CONSTRUCTION PROGRAMME

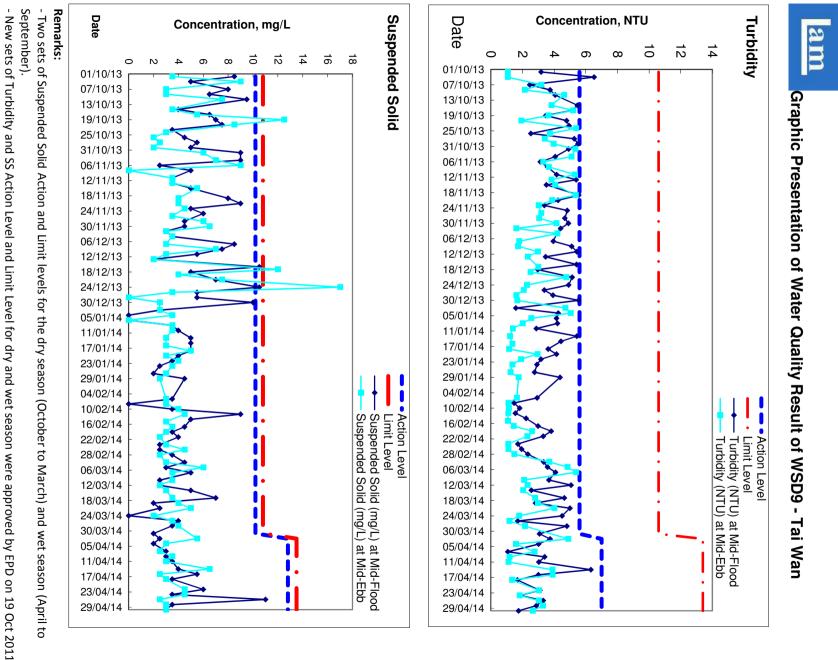
Contract No. : CV/2013/02

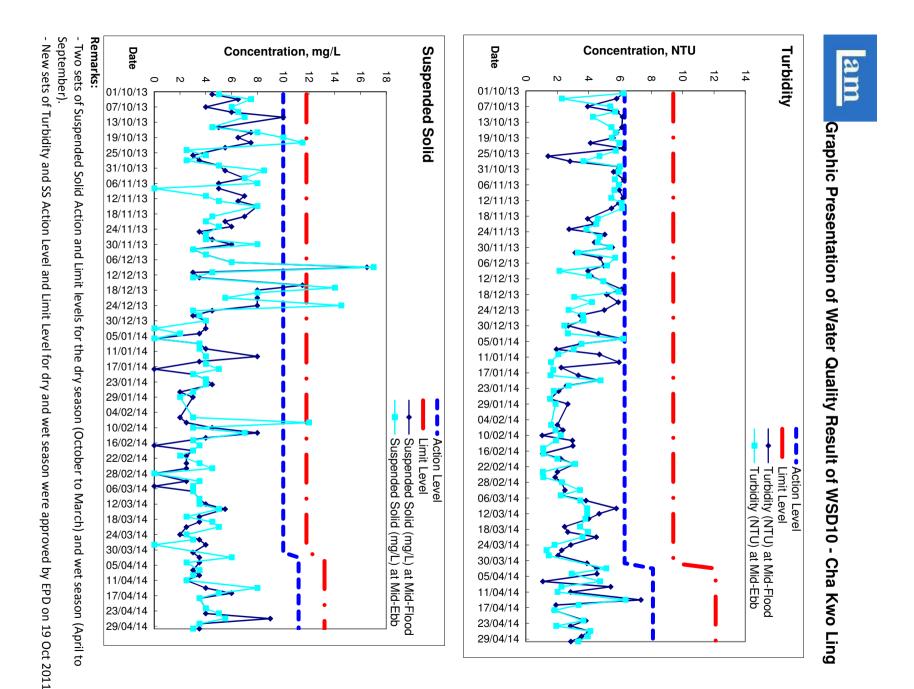
Contract Title : CEDD Maintenance Contract for Seawalls and Navigation Channels (2013-2016)

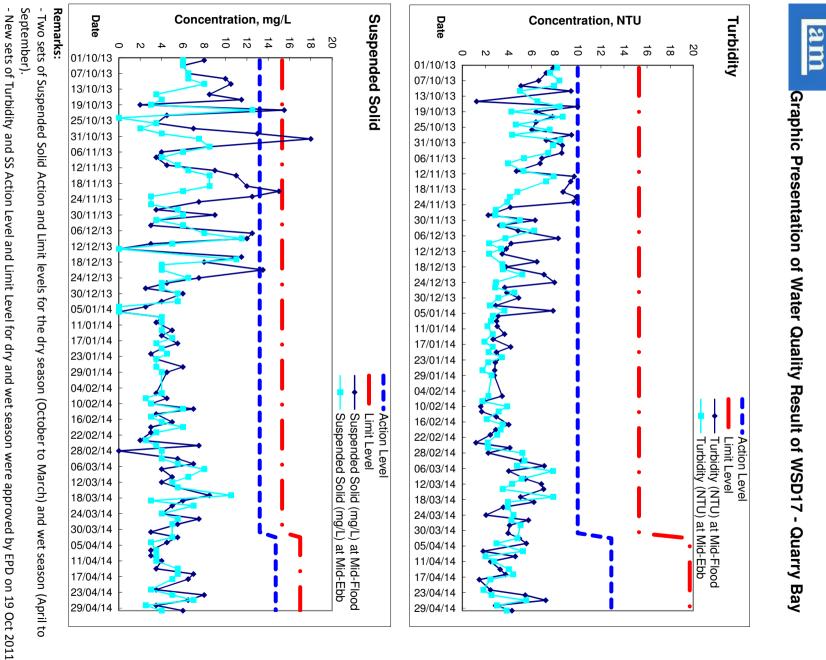
	Task Name	Work Day	Start Date	Finish Date	Pre.Task	March April May June July August	Septembe
1	Working Programme for Dredging Works at Kai Tak Cruise Terminal Zone C(1) - Task Order No.	169 days	15 March 2014	31 August 2014		The may June Juny August	Working
	MD/007/1302			_			
2	Task Order Key Date	169 days	15 March 2014	31 August 2014			🗑 Task Or
3	Commencement date of task order	0 days	15 March 2014	15 March 2014		15/3Commencement date of task order	
4	Completion date of task order	0 days	31 August 2014	31 August 2014		31/8	Somple
5	Submission	14 days	18 March 2014	31 March 2014		Submission	
6	Submission MS, RA & Working Programme	1 day	22 March 2014	22 March 2014	3SS+7 days	22/3 Submission MS, RA & Working Programme	
7	Submission proposal of Environmental Team	1 day	18 March 2014	18 March 2014	3SS+3 days	18/3 Submission proposal of Environmental Team	
8	Submission detail of floating silt curtain to be used at site	1 day	25 March 2014	25 March 2014	3SS+10 days	25(3) Submission detail of floating silt curtain to be used at site	
<u>}</u>	Submission detail of vibraling one of tall to be used at WSD's flushing water intakes	1 day	25 March 2014	25 March 2014	3SS+10 days	25/3 Submission detail of silt screen to be used at WSD's flushing water in	takes
0	Submission Third Party Liability Insurance quotations for SMD selection	1 day	31 March 2014	31 March 2014	3SS+16 days	31/3 Submission Third Party Liability Insurance quotations for SMD sel	1
1	Application Working Permit	21 days	20 March 2014	9 April 2014	5555 + 10 days		
2	Application MDN	21 days	20 March 2014	9 April 2014	3SS+5 days		
3	Application CNP	18 days	20 March 2014	7 April 2014	3SS+6 days	21/3 Application MDN	
4	Application marine dumping permits	18 days	21 March 2014	7 April 2014 7 April 2014	3SS+6 days		
5	Preparation	26 days	15 March 2014	9 April 2014	55510 4433	24/3 Application marine dumping permits Preparation	
, 5	Material procurement	10 days	15 March 2014	24 March 2014	3	15/3 Material procurement	
7	Third Party Liability Insurance procurement	10 days	31 March 2014	9 April 2014	10SS	31/3 Third Party Liability Insurance procurement	
3	Fabrication of silt curtains (both floating & frame types) & silt screen at Cha Kwo Ling Depot	16 days	25 March 2014	9 April 2014	1033	25/3 Fabrication of silt curtains (both floating & frame types) & silt s	creen at
))	Fabrication of sin curtains (both heating wind in China and/or Cha Kwo Ling Depot	26 days	15 March 2014	9 April 2014	3	25/3 Fabrication of silt curtains (both floating & frame types) & silt s 15/3 Fabrication of concrete sinkers at casting yard in China and/or	1
)	Site Works	106 days	10 April 2014	24 July 2014	3	Site Works	
1				· · · · · · · · · · · · · · · · · · ·	10.17	10/4 Mobilization plant & equipment on site	
2	Mobilization plant & equipment on site	1 day	10 April 2014	10 April 2014	12,17	10/4	
3	Installation silt screens at water intakes	3 days	10 April 2014	12 April 2014	21SS	13/4 Installation concrete sinkers on site (Towngas witness)	
	Installation concrete sinkers on site (Towngas witness)	1 day	13 April 2014	13 April 2014	21SS+3 days	14/4 Installation floating silt curtain around the site	
4	Installation floating silt curtain around the site	5 days	14 April 2014	18 April 2014	23		
5	Dredging & disposal works, estimated $qty = 165,800$ m3, assume daily output is 2,600m3	64 days	19 April 2014	21 June 2014	22,24		
6	Trimming (optional - subject to interim survey result)	30 days	22 June 2014	21 July 2014	25		
7	Maintenance / Inspection silt curtains & silt screens during the course of works	94 days	19 April 2014	21 July 2014	25SS	19/4 Maintenance / Ir 19/4 Relocation of file	· ·
8	Relocation of floating silt curtain and/or other set up when necessary or as directed by SMD on site	94 days	19 April 2014	21 July 2014	25SS		
9	Remove set up & demobilization	. 3 days	22 July 2014	24 July 2014	26	22/7 🦉 Remove set up	-
0	Environmental Issues	143 days	15 March 2014	4 August 2014		15/3 Review previous WOM data and recommend Action & Limited Level	
1	Review previous WQM data and recommend Action & Limited Level by ET	14 days	15 March 2014	28 March 2014	3		
2	Submit WQM schedule for EPD acceptance in 1 week advance before starting monitoring	1 day	3 April 2014	3 April 2014	33SS-7 days	3/4 Submit WQM schedule for EPD acceptance in 1 week advance be	1
3	Carry out Impact WQM during the course of site works	103 days	10 April 2014	21 July 2014	21SS	10/1) Carry out Impac	-
4	Post-project WQM after completion of dredging works	14 days	22 July 2014	4 August 2014	26,33	22/7 Zeim Post-proj	
5	Conduct routine environmental audit	103 days	10 April 2014	21 July 2014	21SS	10/4)	
5	Conduct archaeological object searching by Monitoring Officer during dredging in progress	94 days	19 April 2014	21 July 2014	25SS	19/4 Conduct archae	
1	Conduct refuse collection at ares of the 3 WSD's flushing water intakes '	94 days	19 April 2014	21 July 2014	25SS	19/4 Conduct refuse	collectio
3	Safety	103 days	10 April 2014	21 July 2014		💓 Safety	
Ð	Conduct routine safety inspection & training	103 days	10 April 2014	21 July 2014	21SS	10/4	safety i
)	Survey	64 days	19 May 2014	21 July 2014		💗 Survey	
1	Conduct inetrim survey for seabed profile at finished protion of works	34 days	19 May 2014	21 June 2014	25SS+30 days	19/5) Conduct inetrim survey for se	
2	Conduct final survey	30 days	22 June 2014	21 July 2014	41	22/6 Conduct final su	rvey

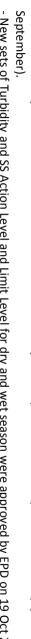
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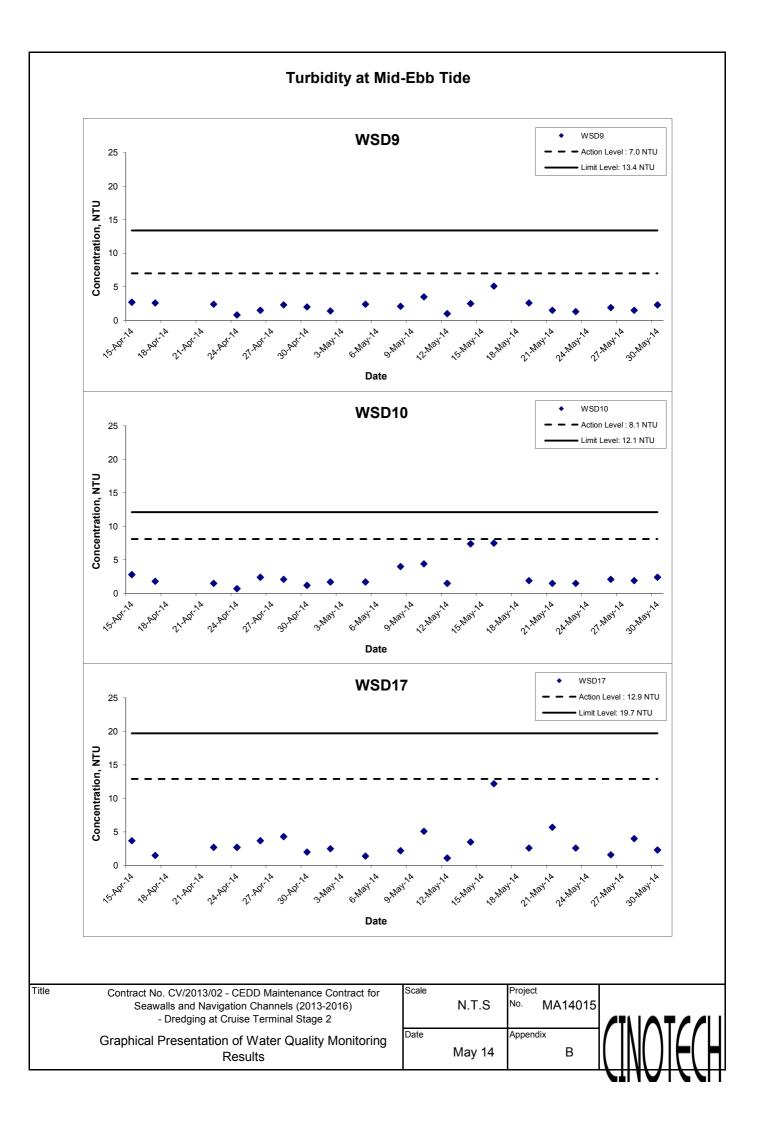
APPENDIX B GRAPHICAL PRESENTATION OF WATER QUALITY MONITORING RESULTS

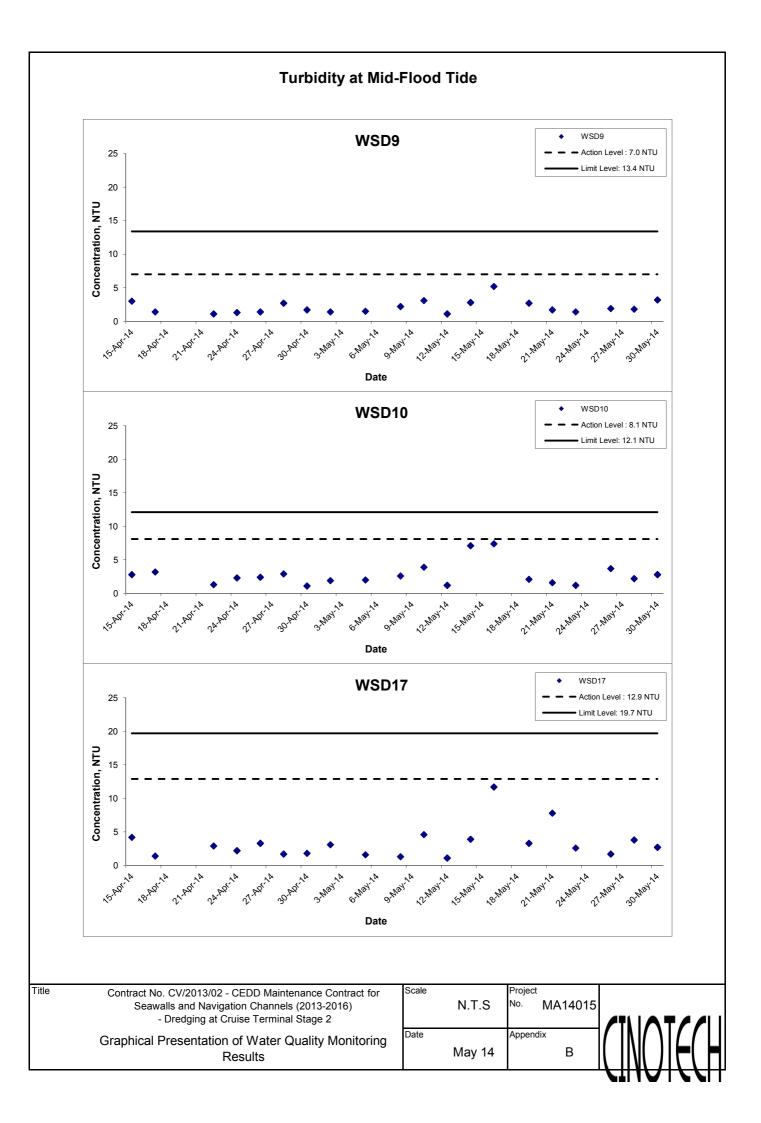


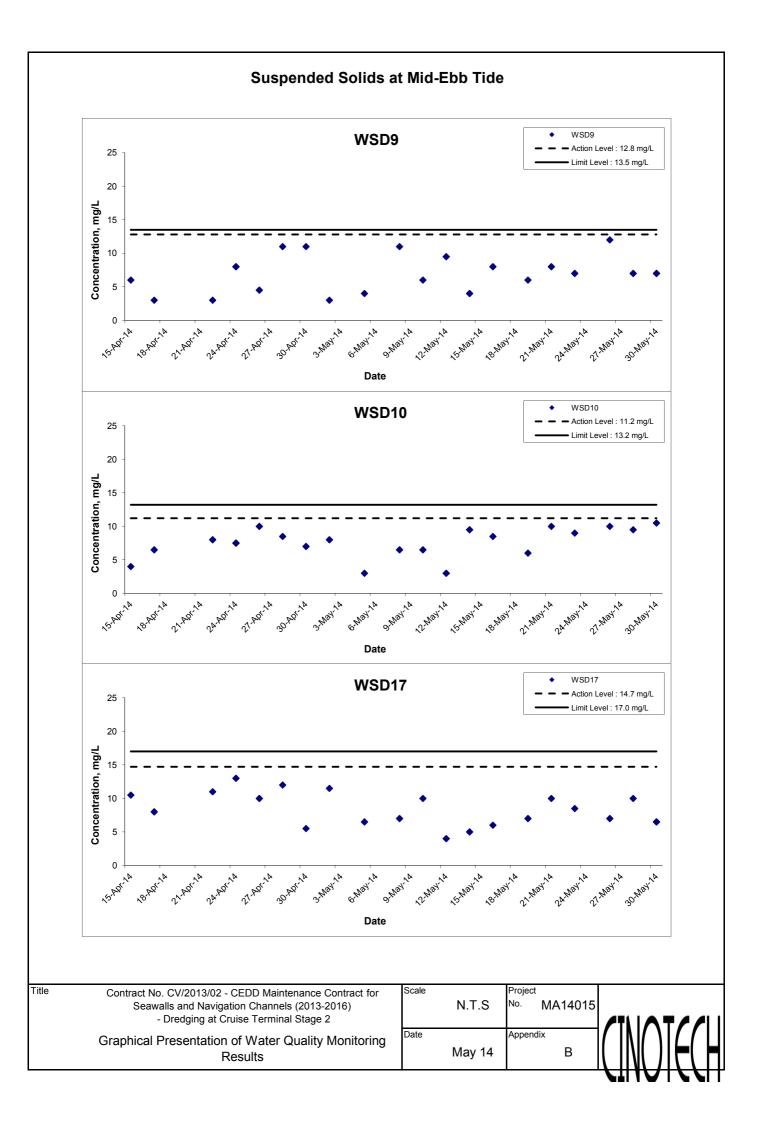


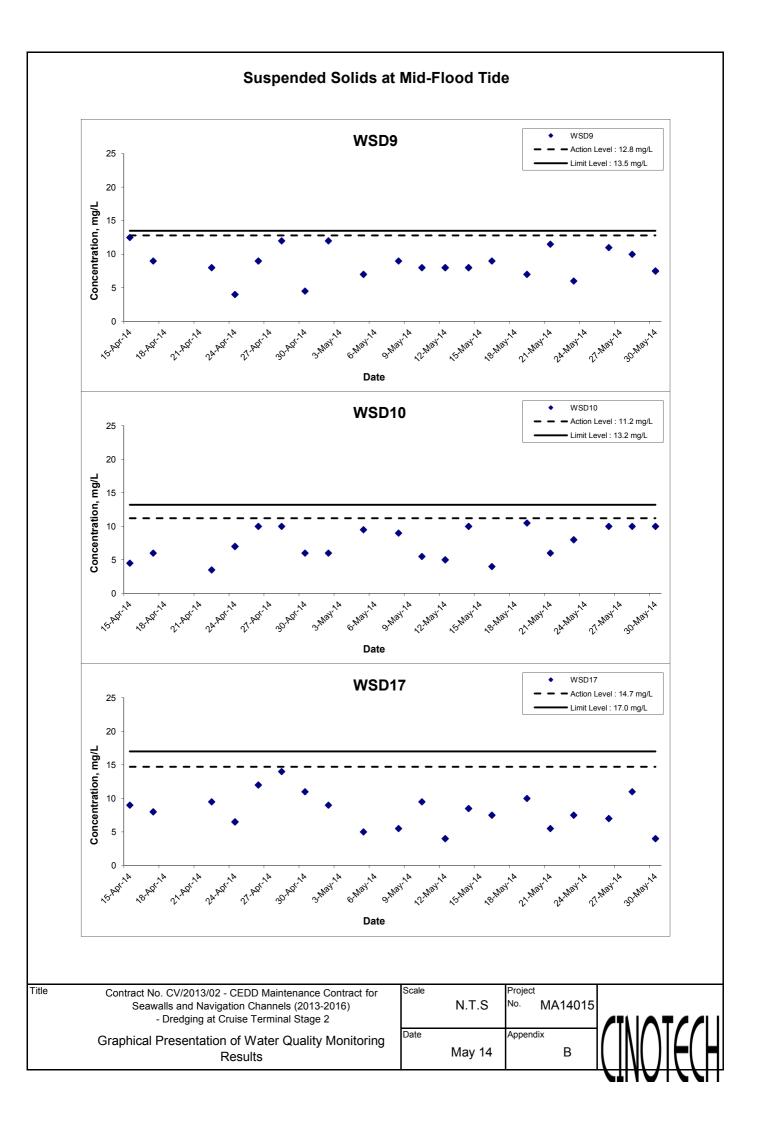












APPENDIX C EVENT ACTION PLANS

Appendix C - Event and Action Plan for Water Quality

Event	ЕТ	IEC	ER	Contractor
Action level being exceeded by one sampling day	 Identify source(s) of impact; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC and Contractor; 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; Discuss with ET and IEC and proposed mitigation measures to IEC and ER; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one	 Identify source(s) of impact; Inform IEC and Contractor; 	 Discuss with ET and Contractor on the mitigation measures; 	 Discuss with IEC on the proposed mitigation measures; 	 Inform ER and confirm notification of the non-compliance in writing;

Appendix C - Event and Action Plan for Water Quality

Event		ET		IEC		ER		Contractor
consecutive sampling days	 3. 4. 5. 6. 7. 8. 	Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next day of exceedance.	 3. 4. 	Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)		Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	 2. 3. 4. 5. 6. 7. 	Rectify unacceptable practice; Check all plant and equipment; Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; Discuss with ET and IEC and proposed mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by one sampling day	1. 2. 3. 4.	Repeat <i>in situ</i> measurement to confirm findings; Identify source(s) of impact; Inform IEC, Contractor and EPD; Check monitoring data, all plant,	1. 2.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and	1. 2.	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the	1. 2. 3.	Inform ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment;

Appendix C - Event and Action Plan for Water Quality

Event	ET	IEC	ER	Contractor
	 equipment and Contractor's working methods. 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit Level. 8. (The above actions should be taken within 1 working day after the exceedance is identified) 	 advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures. 4. (The above actions should be taken within 1 working day after the exceedance is identified) 	 working methods; 3. Make agreement on the mitigation measures to be implemented. 4. Assess the effectiveness of the implemented mitigation measures. 5. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Review the working methods and consider additional measures such as use of frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; Discuss with ET and IEC and ER and proposed mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by more than one consecutive sampling days	 Identify source(s) of impact; Inform IEC, Contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods. Discuss mitigation measures with IEC, ER and Contractor; 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of 	 Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be 	 Inform ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Review the working methods and consider additional measures such as use of

Appendix C - Event and Action Plan	n for Water Quality
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Event	ЕТ	IEC	ER	Contractor
	 Ensure mitigation measures ar implemented; Increase the monitoring frequents to daily until no exceedance on Limit Level for two consecuting days. (The above actions should be taken within 1 working day af the exceedance is identified) 	measures. (The above actions should be taken within 1 working day after the exceedance is identified)	 implemented. 4. Assess the effectiveness of the implemented mitigation measures. 5. 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. 6. (The above actions should be taken within 1 working day after the exceedance is identified) 	 frame-type silt curtain, deployment of double silt curtains, slowing down, or rescheduling of works; 5. Discuss with ET and IEC and ER and proposed mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures. 7. As directed by the Engineer, to slow down or to stop all or part of construction activities. 8. (The above actions should be taken within 1 working day after the exceedance is identified)

APPENDIX D UPDATED ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
Air Quali	ity				
S3.6	Requirements of the Air Pollution Control (Construction Dust) Regulation	Contractor for capital	Work site/ during dredging in the	Construction stage	۸
	shall be adhered to during the construction period.	dredging	construction stage and maintenance		
			dredging during operation stage		
S3.6	In order to minimize the potential odour emissions, if any, the dredged	Contractor for capital and	Work site/ during dredging in the	Construction stage and	
	sediment placed on barge should be properly covered as far as	maintenance dredging	construction stage and maintenance	Operation stage	^
	practicable to minimize the exposed area and hence the potential odour		dredging during operation stage		
	emissions during the transportation of the dredged sediment.				
Construc	ction Noise (Air borne)				
S4.8	Good Site Practices:	Contractor for capital and	Work site/ during dredging in the	Construction stage and	
	Only well-maintained plant should be operated on-site and plant	maintenance dredging	construction stage and maintenance	Operation stage	^
	should be serviced regularly during the construction program.		dredging during operation stage		
	Mobile plant, if any, should be sited as far away from NSRs as				^
	possible.				
	Machines and plant (such as trucks) that may be in intermittent				
	use should be shut down between works periods or should be				^
	throttled down to a minimum.				
	Plant known to emit noise strongly in one direction should,				^
	wherever possible, be orientated so that the noise is directed away				
	from the nearby NSRs.				^
	Material stockpiles and other structures should effectively utilized,				
	wherever practicable, in screening noise from on-site construction				^
	activities.				
S4.9	If there is any planned NSRs within 300 m from the work area occupied	Developer of cruise	Representative NSRs at the former	Construction	N/A
	during the dredging period, an EM&A programme is recommended to be	terminal	Kai Tak Airport runway/ Prior and	Stage and Operation stage	

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	established according to the predicted occurrence of noisy activities. All		during the capital and maintenance		
	the recommended mitigation measures for daytime normal working		dredging		
	activities should be incorporated into the EM&A programme for				
	implementation during dredging.				
Water Qu	uality				
S5.9	Dredging will be carried out by closed grab dredger to minimize	Contractor for capital and	Work site/ during dredging in the	Construction	۸
	release of sediment and other contaminants during both capital	maintenance dredging	construction stage and maintenance	Stage and Operation stage	
	and maintenance dredging.		dredging during operation stage		
	The maximum production rate for dredging from the seabed to				۸
	provide necessary manoeuvering area would not be more than				
	4,000m ³ per day (and no more than 2 closed grab dredgers)				
	during capital dredging and 2,000m ³ per day maintenance				
	dredging.				
	The maximum production rate for dredging at or near the seawall				۸
	area would no t be more than 4,000m ³ per day for berth				
	construction. No more than two closed grab dredger would be				
	operated at the same time at or near the seawall for berth				
	construction.				
S5.9	Silt curtains should be deployed around the closed grab dredgers used	Contractor for capital	Work site/ during dredging in the	Construction	۸
	for dredging at and near the existing seawall of the former Kai Tak runway	dredging	construction stage	stage	
	for construction of the cruise berth structures.				
S5.9	Silt screens should be installed at the WSD flushing water intakes at Cha	Contractor for capital	Seawater intakes in Victoria	Construction	۸
	Kwo Ling, Sai Wan Ho, Quarry Bay, Sheung Wan, Wan Chai and Tai Wan	dredging	Harbour/ During the construction of	stage	
	for dredging in the manoeuvring basin of the first berth during the capital		cruise terminal		
	dredging				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
S5.9	Silt screens should be installed at the WSD flushing water intakes at Cha	Contractor for capital	Seawater intakes in Victoria	Construction stage	۸
	Kwo Ling, Quarry Bay, and Tai Wan for dredging in the manoeuvring	dredging	Harbour/ During the construction of		
	basin of the second berth during the capital dredging.		cruise terminal		
S5.9	If the opening has been introduced at the northern runway, silt screen	CEDD	Seawater intake at Sai Wan Ho,	Construction stage	۸
	should also be installed a the WSD flushing water intake at Sai Wan Ho,		Sheung Wan and Wan Chai/ During		
	Sheung Wan and Wan Chai for dredging in the manoeuvring basin of the		the construction of cruise terminal		
	second berth during the capital dredging.				
S5.9	Other good site practices that should undertaken during dredging include:	Contractor for capital and	Work site and adjacent waters/	Construction stage and	
	All vessels should be sized so that adequate clearance is	maintenance dredging	during dredging in the construction	Operation stage	۸
	maintained between vessels and the seabed in all tide conditions,		stage and maintenance dredging		
	to ensure that undue turbidity is not generated by turbulence from		during operation stage		
	vessel movement or propeller wash;				
	All barges / dredgers should be fitted with tight fitting seals to their				۸
	bottom openings to prevent leakage of material;				
	Construction activities should not cause foam, oil, grease, scum,				۸
	litter or other objectionable matter to be present on the water				
	within the site or dumping grounds;				
	Barges or hoppers should not be filled to a level that will cause the				۸
	overflow of materials or polluted water during loading or				
	transportation.				
S5.9	Appropriate numbers or portable chemical toilets shall be provided by a	Contractor for capital and	Work site and adjacent waters/	Construction stage and	۸
	licensed contractor to serve the construction workers over the	maintenance dredging	during dredging in the construction	Operation stage	
	construction site. The Contractor shall also be responsible for waste		stage and maintenance dredging		
	disposal and maintenance practices		during operation stage		
S5.9	Collection and removal of floating refuse should be performed at regular	Contractor for capital and	Work site and adjacent waters/	Construction stage and	*

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	intervals on a daily basis. The Contractor should be responsible for	maintenance dredging	during dredging in the construction	Operation stage	
	keeping the water within the site boundary and the neighbouring water		stage and maintenance dredging		
	free from rubbish during the dredging works.		during operation stage		
S5.9	An environmental monitoring and audit programme should be	Developer of cruise	Selected water receiver points in	Construction stage and	^
	implemented to verify whether or not impact predictions are	terminal	Victoria Harbour/ Prior and during	Operation stage	
	representative, and to ensure that all the recommended mitigation		the construction of cruise terminal		
	measures are implemented properly. If the water quality monitoring data		and maintenance dredging		
	indicate that the proposed dredging works result in unacceptable water				
	quality impacts in the receiving water, appropriate actions should be				
	taken to review the dredging operation and additional measures such as				
	use of frame-type silt curtain, deployment of double silt curtains, slowing				
	down, or rescheduling or works should be implemented as necessary.				
S5.9	Silt screens are recommended to be deployed at six selected WSD	Contractor for capital	Selected water receiver points in	Construction stage	*
	flushing water intakes during the capital dredging. The Contractor for	dredging	Victoria Habour/ during dredging in		
	capital dredging shall demonstrate and ensure that the design of the silt		the constriction stage		
	screen will not affect the normal operation of flushing water intake. The				
	Contractor shall obtain consensus from all relevant parties, including				
	WSD and Marine Department on the design of the silt screen at each of				
	the six selected flushing water intake points before installation of the silt				
	screen and commencement of the proposed dredging works. As a				
	mitigation measure to avoid the pollutant and refuse entrapment				
	problems and to ensure that the impact monitoring results are				
	representative, regular maintenance of the silt screens and refuse				
	collection should be performed at the monitoring stations at regular				
	intervals on a daily basis. The Contractor should be responsible for				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	keeping the water behind the silt screen free from floating rubbish and				
	debris during the impact monitoring period.				
Waste M	anagement			•	
S6.7	Good Site Practices It is not anticipated that adverse waste management	Contractor for capital and	Work site/ during dredging in the	Construction	
	related impacts would arise, provided that good site practices are	maintenance dredging	construction stage and maintenance	stage and Operation stage	
	adhered to. Recommendations for good site practices during the		dredging during operation stage		
	dredging activities include:				
	Nomination of an approved person, such as a site manager, o be				۸
	responsible for good site practices, arrangements for collection				
	and effective disposal to an appropriate facility, of all wastes				
	generated at the site.				
	Training of site personnel in proper waste management and				^
	chemical waste handling procedures.				
	Provision of sufficient waste disposal points and regular collection				^
	for disposal.				
	Appropriate measure to minimize windblown litter and dust during				N/A
	transportation of waste by either covering trucks or by transporting				
	wastes in enclosed containers.				
	A recording system for the amount of wastes generated, recycled				
	and disposed of (including the disposal sites).				^
	Segregation and storage of different types of waste in different				
	containers, skips or stockpiles to enhance reuse or recycling of				^
	materials and their proper disposal.				
	Encourage collection of aluminium cans, PET bottles and paper by				^
	providing separate labeled bins to enable these wastes to be				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	segregated from other general refuse generated by the work force.				
	Any unused chemicals or those with remaining functional capacity				۸
	shall be recycled.				
S6.7	Marine Sediments The dredged marine sediments would be loaded onto	Contractor for capital and	Work site/ during dredging in	Construction stage and	۸
	barges and transported to the designated disposal sites allocated by the	maintenance dredging	construction stage and maintenance	Operation stage	
	MFC depending on their level of contamination. Sediment classified as		dredging during operation stage		
	Category L would be suitable for Type 1 –Open Sea Disposal (Dedicated				
	Sites) or Type 2 –Confined Marine Disposal and must be dredged and				
	transported with great care in accordance with ETWB TCW No. 34/2002.				
	Subject to the final allocation of the disposal sites by MFC, the dredged				
	contaminated sediment must be effectively isolated from the environment				
	upon final disposal and shall be disposed of at the East Sha Chau				
	Contaminated Mud Pits that are designated for the disposal of				
	contaminated mud in Hong Kong.				
S6.7	It will be the responsibility of the Contractor to satisfy the appropriate	Contractor for capital and	Work site/ during dredging in the	Construction stage and	۸
	authorities that the contamination levels of the marine sediment to be	maintenance dredging	construction stage and maintenance	Operation stage	
	dredged have been analysed and recorded. According to the ETWB TCW		dredging during operation stage		
	No. 34/2002, this will involve the submission of a formal Sediment Quality				
	Report to the DEP, prior to the dredging contract being tendered. The				
	Contractor for the dredging works shall apply for the allocation of marine				
	sediment disposal sites from all relevant authorities.				
S6.7	During transportation and disposal of the dredged marine sediments	Contractor for capital and	Work site/ during dredging in the	Construction stage and	
	requiring Type 1 and Type 2 disposal, the following measures shall be	maintenance dredging	construction stage and maintenance	Operation stage	
	taken to minimize potential impacts on water quality:		dredging during operation stage		
	Bottom opening of barges shall be fitted with tight fitting seals to				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	prevent leakage of material. Excess material shall be cleaned from				*
	the decks and exposed fittings or barges and hopper dredgers				
	before the vessel is moved.				
	Monitoring of the barge loading shall be conducted to ensure that				^
	loss of material does not take place during transportation.				
	Transport barges or vessels shall be equipped with automatic				
	self-monitoring devices as specified by the DEP.				
	Barges or hopper barges shall not be filled to a level that would				^
	cause the overflow of materials or sediment laden water during				
	loading or transportation.				
S6.7	Chemical wastes After use, chemical wastes (for example, cleaning	Contractor for capital and	Work site/ during dredging in the	Construction stage and	^
	fluids, solvents, lubrication oil and fuel) should be handles according to	maintenance dredging	construction stage and maintenance	Operation stage	
	the Code of Practice on the Packaging, Labelling and Storage of		dredging during operation stage		
	Chemical Wastes. Spent chemicals should be collected by a licensed				
	collector for disposal at the CWTF or other licensed facility in accordance				
	with the Waste Disposal (Chemical Waste) (General) Regulation.				
S6.7	General Refuse General refuse should be stored in enclosed bins or	Contractor for capital and	Work site/ during dredging in the	Construction stage and	^
	compaction units separate from C&D material. A reputable waste	maintenance dredging	construction stage and maintenance	Operation stage	
	collector should be employed by the Contractor to remove general refuse		dredging during operation stage		
	from the site, separately from C&D material. An enclosed and covered				
	area is preferred to reduce the occurrence of 'wind blown' light material.				
S6.7	Construction and Demolition Material It is recommended that the extend	Contractor for capital	Work site/ during the construction	Construction stage	
	of dredging of the existing seawall should be kept to a minimum in the	dredging	period		
	detailed design of the new cruise terminal to minimize generation of C&D				
	material. Mitigation measures and good site practices should be				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
	incorporated in the contract document to control potential environmental				
	impact from handling and transportation of C&D material. The mitigation				
	measures include:				N/A
	Where it is unavoidable to have transient stockpiles of C&D				
	material with the Project work site pending collection for disposal,				
	the transient stockpiles shall be located away from waterfront or				
	storm drains as far as possible.				
	Open stockpiles of construction materials or construction wastes				N/A
	on-site should be covered with tarpaulin or similar fabric.				
	Skip hoist for material transport should be totally enclosed by				N/A
	impervious sheeting.				
	Every vehicle should be washed to remove any dusty materials				N/A
	from its body and wheels before leaving a construction site.				
	The area where vehicle washing takes place and the section of the				N/A
	road between the washing facilities and the exit point should be				
	paved with concrete, bituminous materials or hardcores.				
	The load of dusty materials carried by vehicle leaving a				
	construction site should be covered entirely by clean impervious				N/A
	sheeting to ensure dust materials do not leak from the vehicle.				
	All dusty materials should be sprayed with water prior to any				
	loading, unloading or transfer operation so as to maintain the				N/A
	dusty materials wet.				
	The height from which excavated materials are dropped should be				N/A
	controlled to a minimum practical height to limit fugitive dust				
	generation from unloading.				

EIA Ref.	Recommended Mitigation Measures	Implementation Agent	Location/ Timing of the measures	Implementation Stage	Implementation
					Status
S6.7	When delivering inert C&D material to public fill reception facilities, the	Contractor and	Work site/ During the construction	Construction stage	N/A
	material shall consist entirely of inert construction waste and of size less	Independent	period		
	than 250mm or other sizes as agreed with the Secretary of the Public Fill	Environmental Checker			
	Committee. In order to monitor the disposal of the surplus C&D material				
	at the designed public fill reception facility and to control fly tipping, a				
	trip-ticket system should be included as one of the contractual				
	requirements and implemented by an Environmental Team undertaking				
	the Environmental Monitoring and Audit work. An Independent				
	Environmental Checker should be responsible for auditing the results of				
	the system.				
Cultural	Heritage				
S7.8	The dredging activities of the proposed cruise terminal should ensure that	Developer of cruise	Work site/ During the design and	Design stage and	^
	disturbance to the existing seawall masonry outside the Project boundary	terminal	construction of cruise terminal	Construction stage	
	should be avoided as far as practicable.				
7.10,	It is recommended that the dredged spoil should be monitored for the	Developer of cruise	Work site/ during dredging in the	During construction	^
Appendix	presence of archaeological material. Guidelines for the monitoring brief	terminal/ Contractor for	construction stage		
7.1	have been prepared in consultation with the AMO. A qualified marine	capital dredging			
	archaeologist needs to be on standby to provide specialist advice, if				
	required, but the monitoring can be carried out by a member of staff of				
	dredging barge.				

Remarks: ^ Compliance of mitigation measure

* Recommendation was made during site audit but improved/rectified by the contractor

N/A Not Applicable at this stage as no such site activities were conducted in the reporting month

APPENDIX E SITE AUDIT SUMMARY

CEDD Maintenance Contract for Seawalls and Navigation Channels (2013-2016)

Dredging at Cruise Terminal Stage 2

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	140417	·
Date	17 April 2014 (Thursday)	
Time	13:15-14:05	

		Related
Ref. No.	Non-Compliance	Item No.
	None identified	
		Related
Ref. No.	Remarks/Observations	Item No.
	A. Water Quality	
140417-R01	• Clear the floating wastes at the silt screen at Tai Wan WSD intakes properly.	B9
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	E. Cultural Heritage Measures	
	No environmental deficiency was identified during site inspection.	
	F. Permits/Licences	
140417-R02	• To display the construction noise permit at the site entrance.	G2
	G. Others	
	N/A	

·····	Name	Signature	Date
Recorded by	Ivy Tam	TAN	17 April 2014
Checked by	Dr. Priscilla Choy	WL	17 April 2014

Weekly Site Inspection Record Summary

Inspection Information		
Checklist Reference Number	140424	
Date	24 April 2014 (Thursday)	
Time	13:00-14:30	

		Related
Ref. No.	Non-Compliance	Item No.
	None identified	
		Related
Ref. No.	Remarks/Observations	Item No.
	A. Water Quality	
140424-R01	Clear the floating refuse at the silt screen at Tai Wan.	B9
	(Remark: The Contractor has collected the floating refuse in the morning.)	
140424-R02	Clear the marine sediment at the deck of barge regularly.	B6
140424-R03	• To check and maintain the silt screen at Cha Kwo Ling is in good condition.	B13
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste/Chemical Management	
	No environmental deficiency was identified during site inspection.	
	E. Cultural Heritage Measures	
	No environmental deficiency was identified during site inspection.	
	F. Permits/Licences	
140424-R04	Properly display the EP and CNP at the entrance of site office.	G1, G2
	(Remark: The CNP has been displayed at the barge.)	01, 02
	G. Others	
	• Follow-up on previous site audit session (Ref. No. 140417), follow-up actions are required	
	for the items 140417-R01, R02, which were renamed as 140424-R01, R04 respectively.	

	Name	Signature	Date
Recorded by	Ivy Tam	Tur	24 April 2014
Checked by	Dr. Priscilla Choy	vK	24 April 2014

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Weekly Site Inspection Record Summary Inspection Information

Inspection Information		
Checklist Reference Number	140502	
Date	2 May 2014 (Friday)	
Time	13:15-14:45	

		Related
Ref. No.	Non-Compliance	Item No.
	None identified	-
		Related
Ref. No.	Remarks/Observations	Item No.
	A. Water Quality	
140502-R01	The barge should be loaded carefully to avoid splashing of dredged materials.	B3
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste/Chemical Management	
	No environmental deficiency was identified during site inspection.	
	E. Cultural Heritage Measures	
	No environmental deficiency was identified during site inspection.	
	F. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	G. Others	
	• Follow-up on previous site audit session (Ref. No. 140424), all environmental deficiencies were improved/rectified by Contractor during the site inspection.	

·····	Name	Signature	Date
Recorded by	Ivy Tam	Tux	2 May 2014
Checked by	Dr. Priscilla Choy	Nito	2 May 2014

Weekly Site Inspection Record Summary

Inspection Information		
Checklist Reference Number	140508	·
Date	8 May 2014 (Thursday)	
Time	13:15-14:45	

		Related
Ref. No.	Non-Compliance	Item No.
	None identified	-
		Related
Ref. No.	Remarks/Observations	Item No.
	A. Water Quality	
140508-R01	• Clear the floating refuse at the silt screen at WSD water intake at Tai Wan.	B9
140508-R02	• To check and replace the damage part of silt curtain, if any, regularly.	B13
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste/Chemical Management	
·····	No environmental deficiency was identified during site inspection.	
	E. Cultural Heritage Measures	1
	No environmental deficiency was identified during site inspection.	
	F. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	G. Others	
	• Follow-up on previous site audit session (Ref. No. 140502), all environmental deficiencies were improved/rectified by Contractor during the site inspection.	

	Signature	Date
Recorded by Ivy Ta	n Yw	8 May 2014
Checked by Dr. Priscilla		8 May 2014

CEDD Maintenance Contract for Seawalls and Navigation Channels (2013-2016)

Dredging at Cruise Terminal Stage 2

Weekly Site Inspection Record Summary

Inspection Information	· · · · · · · · · · · · · · · · · · ·	
Checklist Reference Number	140515	
Date	15 May 2014 (Thursday)	
Time	14:30-15:35	

		Related
Ref. No.	Non-Compliance	Item No.
	None identified	
		Related
Ref. No.	Remarks/Observations	Item No.
	A. Water Quality	
140515-R01	• Clear the floating refuse at the silt screen at WSD flushing water intake at Cha Kwo Ling.	B9
140515-R02	• Re-deploy the silt screen at WSD flushing water intake at Cha Kwo Ling to avoid the disturbance of WSD intake's operation.	B13
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste/Chemical Management	
	No environmental deficiency was identified during site inspection.	
1	E. Cultural Heritage Measures	
	No environmental deficiency was identified during site inspection.	
	F. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	G. Others	
	• Follow-up on previous site audit session (Ref. No. 140508), all environmental deficiencies were improved/rectified by Contractor during the site inspection.	

<u> </u>	1014 0014
Tul	15 May 2014
NIL.	15 May 2014
	nf.

Weekly Site Inspection Record Summary Inspection Information Checklist Reference Number 140522 Date 22 May 2014 (Thursday) Time 14:30-16:00

Ref. No.	Non-Compliance	Related Item No.
	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	A. Water Quality	
140522-R01	• To repair or replace the damage silt screen at grab as soon as possible. (永合利 23)	B13 B9
140522-R02	• Clear the floating refuse at the silt screen at Cha Kwo Ling and Tai Wan WSD flushing water intakes.	
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Waste/Chemical Management	
	No environmental deficiency was identified during site inspection.	
	E. Cultural Heritage Measures	
	No environmental deficiency was identified during site inspection.	. <u></u> .
	F. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	G. Others	
	• Follow-up on previous site audit session (Ref. No. 140515), item 140515-R02 was improved/rectified by the Contractor. Follow-up action is required for the item 140515-R01, which is renamed as 140522-R02.	

	Name	Signature	Date
Recorded by	Ivy Tam	Jun	22 May 2014
Checked by	Dr. Priscilla Choy	WI	22 May 2014

Contract No. CV/2013/02

CEDD Maintenance Contract for Seawalls and Navigation Channels (2013-2016) Dredging at Cruise Terminal Stage 2

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	140528		
Date	28 May 2014 (Wednesday)		
Time	14:00-15:15		

Ref. No.	Nen Compliance	Related Item No.		
itel. Inu.	Non-Compliance None identified			
Ref. No.	Remarks/Observations	Related Item No.		
	A. Water Quality			
140528-R01	Properly check the silt curtain according to the approved silt curtain deployment plan.	B13		
	B. Air Quality			
	No environmental deficiency was identified during site inspection.			
	C. Noise			
	No environmental deficiency was identified during site inspection.			
	D. Waste/Chemical Management			
	No environmental deficiency was identified during site inspection.			
	E. Cultural Heritage Measures			
	No environmental deficiency was identified during site inspection.			
	F. Permits/Licences			
	No environmental deficiency was identified during site inspection.			
	G. Others			
	• Follow-up on previous site audit session (Ref. No. 140522), all environmental deficiencies were improved/rectified by Contractor during the site inspection.			

	Name	Signature	Date
Recorded by	Ivy Tam	Jung	28 May 2014
Checked by	Dr. Priscilla Choy	WIL	28 May 2014
		- With	L

APPENDIX F SUMMARY OF EXCEEDANCE

Appendix F - Exceedance Report

Environmental Monitoring	Parameter	No. of Ex	ceedance	No. of Exceedance related to the Dredging Activities of this Project	
		Action Level	Limit Level	Action Level	Limit Level
Water Quality	Turbidity	0	0	0	0
Water Quality	Suspended Solids (SS)	0	0	0	0

Exceedance Report for Water Quality

APPENDIX G COMPLAINT LOG

Appendix G - Complaint Log

Log Ref.	Location	Received Date	Details of Complaint	Investigation/ Mitigation Action	Status