China Harbour Engineering Co. Ltd.

IMPROVEMENT WORKS TO TUNG PING CHAU PUBLIC PIER

(CONTRACT NO.: CV/2004/04)

MONTHLY EM&A MONITORING REPORT

(APRIL 2006)

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INDEPENDENT ENVIRONMENTAL CHECKER **CHECK CERTIFICATE**

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FIGURE

PW-TPC-006 Improvement Works to Tung Ping Chau Public Pier – Environmental Monitoring

TABLES 2.1 Contact Details of Key Personnel 3.1 Major Construction Activities in this reporting month 3.2 Implementation of Environmental Mitigation Measures 4.1 Water Quality Monitoring Stations 4.2 Water Quality Monitoring Parameters 4.3 Monitoring Frequency of Impact Monitoring Details of Impact Monitoring Equipment (In-situ measurement) 4.4 Action and Limit Levels for Marine Water Quality 4.5 4.6 Event and Action Plan for Water Quality Monitoring 4.7 Schedule for Impact Monitoring Summary of Environmental Licensing and Permit Status 6.1 Summary of Quantities of Waste for Disposal in this reporting month 7.1 8.1 The summary of site inspection findings 11.1 Upcoming EM&A Schedule in coming month 11.2 Construction Plan in the coming month

ENA60244 Monthly EM&A Monitoring Report No.6

EXECUTIVE SUMMARY

This monthly EM&A report (No.6) has been prepared by the Environmental Team (ET) of ETS-Testconsult Ltd for impact monitoring under "the Contract No. CV/2004/04 Improvement Works to Tung Ping Chau Public Pier (The Project) during the reporting period from 01 to 30 April 2006.

Under the requirements of Environmental Monitoring and Audit Programme of the Contract No. CV/2004/04 "Improvement Works to Tung Ping Chau Public Pier", EM&A requirement as set out in the PS is required to be implemented. In accordance with the PS, impact environmental monitoring of water quality and site audit is required for the Project.

Construction Progress

The major construction works in this reporting month were installation of silt curtain at "ABCD" and removal of boulder from seated of foundation.

Environmental Monitoring Progress

The summary of the monitoring activities in this monitoring month is listed below:

- Marine Water Quality Monitoring: 8 Occasions at 4 designated locations;
- Site Inspection: 4 Occasions.

Marine Water Quality Monitoring

No exceedances of Action and Limit Levels were recorded for water quality monitoring parameters in this reporting month.

Environmental Complaints

No complaints were received in this reporting month

Notification of summons and successful prosecutions

There were no notification of summons and prosecutions with respect to environmental issues in this month.

Future Key Issues

Base on the site inspections and forecast of engineering works in the coming month, key issues to be considered are as follows:

- Maintain good site practice to avoid the environmental impact to the environment;
- Maintain good waste management to minimize environmental impacts at the site;
- Follow-up improvements on environmental and waste management issues.



1. INTRODUCTION

China Harbour Engineering Co. Ltd. (CHEC) was awarded the contract, Improvement Works to Tung Ping Chau Public Pier (Contact No.: CV/2004/04). Baseline monitoring and impact monitoring will be carried out at Tung Ping Chau Public Pier by Environmental Team (ET) of ETS-Testconsult Ltd (ETL). Roger Sze & Associates Ltd. was appointed by CHEC as Independent Checker (Environmental).

The purpose of this Impact report is to monitor marine water quality during the construction works at the Project in April 2006 in order to control or avoid the environmental impacts to the environment nearby.

2. PROJECT INFORMATION

2.1 Background

The project will be planned and designed in-house by Port Works Division, Civil Engineering and Development Department. It is expected that the construction will be executed by China Harbour Engineering Co. Ltd to be appointed through tendering exercise.

2.2 Site Description

Figure PW-TPC-006 shows the monitoring locations of the site at Tung Ping Chau Public Pier.

2.3 Construction Programme

The project comprises the reconstruction of the Tung Ping Chau Public Pier and the proposed scope includes:

- Setting up of a temporary site office;
- Demolition of the existing catwalk;
- Construction of a new catwalk of about 33m long and 5.5m wide with two supporting column;
- Widening of the existing rubble causeway from 3m to 5.5m; and
- Construction of a new roof.

Details of construction programme are shown in Appendix G.

2.4 Project Organization

The organization chart with respect to the on-site environmental management and monitoring program are shown in Appendix A.

2.5 Contact Details of Key Personnel

The key personnel contact names and telephone numbers, and construction programme are shown in table 2.1.

Table 2.1 Contact Details of Key Personnel

Organization	Project Role	Name of Key Staff	Tel. No.	Fax No.
CEDD	Employer	Mr. David C S Leung	2762 5546	2714 2054
Roger Sze &	Independent Checker	Ir. Dr. Roger W K Sze	2687 5681	2687 5826
Associates Ltd.	(Environmental)			
CHEC	Main Contractor	Mr. Daniel Cheung	6012 2279	2952 9068
ETL	Contractor's Environmental	Mr C L Lau	2946 7792	2695 3944
	Team			

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3. CONSTRUCTION PROGRESS IN THIS REPORTING MONTH

A summary of the major construction activities undertaken in this reporting month is shown in Table 3.1.

Table 3.1 Major Construction Activities in this reporting month

	and the state of t
ltem	Construction Activities
1. Installation of silt curtain at "ABCD"	
2. Removal of boulder from seated of foundation	

4. IMPACT MARINE WATER QUALITY MONITORING

4.1 Monitoring Locations

The Impact water quality monitoring and control locations are shown in Table 4.1.

Table 4.1 Impact Water Quality Monitoring Stations

Station	EASTING (m)	NORTHING (m)
C1	862 465.831	845 178.516
C2	862 771.171	845 012.179
M1	862 628.165	845 052.670
M2	862 663.052	845 031.017

During the impact monitoring, C2 was the upstream control station for all monitoring stations at midflood and C1 was the upstream control station for all monitoring stations at mid-ebb.

4.2 Monitoring Parameters

Monitoring of the marine water quality parameters listed in Table 4.2 shall be carried out by the ES to ensure that any deteriorating water quality could be readily detected and timely action be taken to rectify the situation.

Table 4.2 Water Quality Monitoring Parameters

In-situ measurement	Laboratory analysis
Dissolved Oxygen (mg/L)	Suspended solids (mg/L)
Dissolved Oxygen (%)	(Depth-average)
Temperature (°C)	
Turbidity (NTU) (Depth-averaged)	
Salinity (ppt)	

4.3 Monitoring Frequency

The frequency of the Impact water quality monitoring is summarized in Table 4.3.

Table 4.3 Monitoring frequency of Impact Monitoring

rable 4.6 Morntolling frequency of impact Morntolling				
Parameter		Frequency	Monitoring Depth	
Temperate				
Salinity		2 tides/day (Mid-flood and Mid-ebb):		
Dissolved Oxygen		3days/week during the pilling and	Surface, middle and	
Dissolved C	Dxygen	demolition works.	bottom	
saturation		■ 1day/week during the marine works (not	Dollom	
Turbidity		involving pilling and demolition works).		
Suspended solids				

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4.4 Monitoring Methodology and Equipment Used

Positioning of the monitoring stations

A hand-held digital Global Positioning System (GPS) was used to identify the designated monitoring stations prior to water sampling.

Water Depth measurement

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

Dissolved Oxygen and temperature measuring equipment

The instrument should be a portable, weatherproof dissolved oxygen-measuring instrument complete with cable, sensor, comprehensive operation manuals, and use a DC power source. It should be capable for measuring:

- a dissolved oxygen level in the range of 0-20 mg/L and 0-200 % saturation; and
- a temperature of 0-45 degree Celsius

It should have a membrane electrode with automatic temperature compensation complete with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary (e.g. YSI model 95 meter or equivalent.)

Shall salinity compensation not be built-in in the dissolved oxygen equipment, in-situ salinity shall be measured to calibrate the dissolved oxygen equipment prior to each dissolved oxygen measurement.

Turbidity Measurement Instrument

The instrument should be a portable, weatherproof turbidity-measuring instrument complete with comprehensive operation manual. The equipment shall use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between

0-1000 NTU and be complete with a cable (e.g. HACH model 2100P or equivalent)

Salinity

A portable salinometer capable of measuring salinity in the range 0-40 ppt shall be provided for measuring salinity of the water at each monitoring location. (e.g. YSI model 30 meter or equivalent.)

Suspended Solids/Water Sampler

A water sampler comprising a transparent PVC cylinder, with a capacity of not less than 2 litres, and can be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth (e.g. Kahlsico Water Sampler or equivalent).

4.5 In-situ measurement

All in-situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring location.

In-situ monitoring was carried out at three depths: 1 meter below water surface, at mid-depth and 1 meter above the seabed. If the water depth is less than 6 m, the mid-depth station shall be omitted and if the water depth is below 3 m, only the mid depth station shall be monitored.

At each measurement / sampling depth, two consecutive measurements of dissolved oxygen (DO), dissolved oxygen saturation (DOS), turbidity and salinity were taken. The probes were retrieved out of the water after the first measurement and then re-deployed for the second measurement.

Table 4.4 shows the equipment used for in-situ monitoring of water quality. The calibration certificates are attached in Appendix A.

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Table 4.4	Details Impact	Monitoring Equ	uipment (lı	n-site measurement)

	act memoring = quipment			
Parameter	Model	Date of Calibration	Due Date	Equipment No.
Coordinate of Monitoring stations	MLR GPS Navigator, SP24			EW/005/01*
Dissolved Oxygen (Saturation), Temperature	YSI Dissolved Oxygen Meter, YSI 95	01-03-2005	31-05-2006	EW/003/001
Turbidity	HACH Model 2100P Turbid Meter	28-01-2006 28-04-2006	28-04-2006 28-07-2006	ET/0505/002
Salinity	YSI Model 30M	28-01-2006 28-04-2006	28-04-2006 28-07-2006	ET/0527/001
Water Depth	EAGLE Strata 128 Sonar			EW/002/02*

Remark:(*) indicates the calibration of instrument is not necessary.

4.6 Water Sampling and Sample Analysis

A water sampler comprising a transparent PVC cylinder, with a capacity of not less than 2 litres, was lowered into the water body at the predetermined depth. The opening ends of the sampler were then closed accordingly and water samples were collected.

At each station, marine water samples were collected at three depths: 1 meter below water surface, at mid-depth and 1 meter above the seabed.

The sample container, made by high-density polythene, was rinsed with a portion of the water sample. The water sample was then transferred to the container, labelled with a unique sample ID and sealed with a screw cap. The water samples were stored in a cool box maintained at 4°C. The water samples were then delivered to a local HOKLAS-accredited laboratory (Environmental Laboratory, ETS-Testconsult Ltd, HOKLAS Registration No. 022) on the same day for analysis.

The laboratory testing of suspended solids was started within 24 hours after collection of the water samples. The Suspended Solids determination work was followed APHA 20ed 2540D. The determination limit of suspended solids is 1mg/L. An accurate electronic balance with precision level is readable to 0.1mg. Environmental Laboratory of ETS-Testconsult Ltd has quality assurance and quality control programs in accordance with HOKLAS requirement. For the QA/QC procedures, one QC sample, one duplicate sample and one sample spike of every batch of 20 samples were analysis. The QA/QC results are summarized in Appendix E.

4.7 Action and Limit Level

The water quality criteria, namely Action and Limit (A/L) levels. A/L Levels determined according to the baseline report are presented in the Table 4.5.

Table 4.5 Action and Limit Levels for Marine Water Quality

Parameter	Action Level	Limit Level
5.67 mg/L (5%-ile of baseline data for surface 5		Surface & Middle 5.57 mg/L (1%-ile of baseline data for surface and middle layer) or 4 mg/L except 5 mg/L for FCZ
	Bottom 5.59 mg/L (5%-ile of baseline data for bottom layer)	<u>Bottom</u> 5.40 mg/L (1%-ile of baseline data for bottom layer) or 2 mg/L
SS (mg/L) (Depth- averaged)	5.5 mg/L (95%-ile of Impact data) and 120% of the upstream control station's SS at the same tide on the same day	6.0 mg/L (99%-ile of Impact data) and 130% of the upstream control station's SS at the same tide on the same day and specific sensitive receiver water quality requirements (e.g. required suspended solids level for concerned sea water intakes)
Turbidity (NTU) (Depth- averaged)	5.50 NTU (95%-ile of Impact data) and 120% of the upstream control station's turbidity at the same tide on the same day	6.59 NTU (99%-ile of Impact data) and 130% of the upstream control station's turbidity at the same tide on the same day

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4.8 Event and Action Plan

Should the monitoring results of the water quality parameters at any designated monitoring stations indicate that the water quality criteria are exceeded, the actions in accordance with the Event and Action Plan that summarized in Table 4.6 should be carried out.

Table 4.6 Event and Action Plan for Water Quality Monitoring

Table 4.6	Action by Environmental			Astion has Continue to
Event	Action by Environmental Team (ET) Leader	Action by Independent Checker	Action by Engineer	Action by Contractor
Lvern	roum (ET) Loudon	(Environmental), IC(E)		
Action Level being exceed for one sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IC(E) and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working method; 5. Discuss mitigation measures with IC(E) and the Contractor; 6. Repeat measurement on next day of exceedance.	1. Discuss with ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the Engineer accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IC(E) on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented.	 Inform Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IC(E) and the Engineer and the propose mitigation measures to IC(E) and the Engineer within 3 working days; Implement the agreed mitigation measures.
Action Level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IC(E) and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working method; 5. Discuss mitigation measures with IC(E) and the Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. Repeat measurement on next day of exceedance.	1. Discuss with ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the Engineer accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IC(E) on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 3. Assess the effectiveness of the implemented mitigation measures.	1. Inform Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IC(E) and the Engineer and the propose mitigation measures to IC(E) and the Engineer within 3 working days; 6. Implement the agreed mitigation measures.
Limit level being exceeded by on sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IC(E) and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working method; 5. Discuss mitigation measures with IC(E) and the Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit Level.	1. Discuss with ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the Engineer accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IC(E), ET and the Contractor on the mitigation measures; 2. Request the Contractor to critically review the working method; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures.	1. Inform Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IC(E) and the Engineer and the propose mitigation measures to IC(E) and the Engineer within 3 working days; 6. Implement the agreed mitigation measures.

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Event	Action by Environmental Team (ET) Leader	Action by Independent Checker (Environmental), IC(E)	Action by Engineer	Action by Contractor
Limit level being exceeded by more than two consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IC(E) and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working method; 5. Discuss mitigation measures with IC(E) and the Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit Level	1. Discuss with ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the Engineer accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IC(E), ET and the Contractor on the mitigation measures; 2. Request the Contractor to critically review the working method; 3. Make agreement on the mitigation measures to be 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.	 Inform Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IC(E) and the Engineer and the propose mitigation measures to IC(E) and the Engineer within 3 working days; Implement the agreed mitigation measures; As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities.

4.9 Monitoring Duration and Period

In-situ measurement was carried out at both mid-flood and mid-ebb at each location on a sampling day. Table 4.7 shows the schedule for Impact water quality monitoring.

Table 4.7 Schedule for Impact Monitoring

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 Mid-flood (08:00-10:00) Mid-ebb (15:00-17:00)	4	5 Monitoring was cancelled due to no construction works carried out on Public Holiday.	6	7 Mid-flood (08:00-10:00) Mid-ebb (17:15-19:15)	8
9	10 Mid-ebb (10:00-12:00) Mid-flood (16:00-18:00)	11	12 Mid-ebb (11:00-13:00) Mid-flood (17:00-19:00)	13	14 Monitoring was cancelled due to no construction works carried out on Public Holiday.	15
16	17 Monitoring was cancelled due to no construction works carried out on Public Holiday.	18	19 Mid-flood (08:00-10:00) Mid-ebb (14:00-16:00)	20	21 Mid-flood (08:00-10:00) Mid-ebb (17:30-19:30)	22
23	24 Mid-ebb (09:00-11:00) Mid-flood (14:30-16:30)	25	26 Mid-ebb (10:30-12:30) Mid-flood (16:00-18:00)	27	28 Monitoring was cancelled due to bad weather	29
30						

4.10 Impact Monitoring Results

No exceedances of Action and Limit Level of water quality monitoring parameters were recorded in this reporting month. All monitoring results are provided in Appendix B2. Graphical presentation of the monitoring results for the reporting month are shown in Appendix B3.

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5. ENVIRONMENTAL NON-CONFORMANCE

5.1 Summary of water quality monitoring

No exceedances of Action and Limit Level of marine water quality monitoring parameter were recorded in this reporting month.

5.2 Summary of Environmental Complaints

No complaints were received during the reporting month.

5.3 Summary of Notification of Summons and Prosecution

There were no notification of summons respect to environmental issues registered in this month.

6. STATUS OF ENVIRONMENTAL LICENSING AND PERMITTING

All permits/licenses valid in this reporting month are summarized in Table 6.1.

Table 6.1 Summary of Environmental Licensing and Permit Status

Description	Permit No.	Valid Period		Section	
		From	То		
Environmental Permit	EP-222/2005	07/09/04		 Setting up of a temporary site office; Demolition of the existing catwalk; Construction of a new catwalk of about 33m long and 5.5m wide with two supporting column; Widening of the existing rubble causeway from 3m to 5.5m; and Construction of a new roof. 	

7. WASTE MANAGEMENT

The quantities of waste for disposal in this month are summarized in Table 7.1.

Table 7.1 Summary of Quantities of Waste for Disposal in this reporting month

			<u> </u>
Type of Waste	Quantity	Disposal Location	Project Cumulative Quantity
C&D Materials (Inert) (m³)	0	Stall at site	6
C&D Materials (Non-inert) (m³)	0	Nil	0
General Refuse (m³)	0	Nil	0
Chemical Waste (m³)	0	Nil	0

8. SITE INSPECTION

Weekly site inspection was carried out by the ET. Four site inspections were undertaken in monitoring period. Details of the site inspection findings are attached in Appendix F.

8.1 Summary of site inspection findings

The summary of site inspection findings are shown in Table 8.1.

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Table 8.1 The	e summary o	f site inspec	tion findings
---------------	-------------	---------------	---------------

Inspection Parameter	Finding
Water Quality	Water quality was found satisfactory during the site inspection period. No visible foam, oil, grease, litter or other objectionable matter was present on the water within the site.
Air Quality	Air quality was found satisfactory during the site inspection period. No noticeable dust was generated at the site.
Noise Quality	Noise quality was found satisfactory during the site inspection period.

8.2 Recommendations on site inspection findings

Based on the site inspection findings, the recommendations are as below:

- Maintain good site practices to avoid environmental impacts to the environment;
- Maintain good waste management at the site;
- Remove the construction wastes accumulated inside and outside the construction site periodically.

9. IMPLEMENTATION STATUS

9.1 Implementation Status of Environmental Mitigation Measures

Most of the necessary mitigation measures were implemented properly.

9.2 Implementation Status of Event and Action Plan

There were no exceedances of Action and Limited Level in this reporting month. Hence, no further mitigation measures were required.

9.3 Implementation Status of Environmental Complaint Handling

No complaints had been received during this monitoring month.

10. CONCLUSION

According to the marine water monitoring results, all monitoring results were found within the Action and Limit Level in this reporting month. Hence, no further mitigation measures were required.

According to the weekly site inspections carried out by the ET, it was found that air, noise and water quality were found satisfactory in this monitoring period.

Finally, ES recommended the Contractor to maintain good waste management and good site practice in order to minimize the environmental impacts at the site.

11. FUTURE KEY ISSUES

11.1 Upcoming EM&A Schedule

The Proposed EM&A program in coming month is presented as following Table 11.1.

Table 11.1 Upcoming EM&A Schedule in coming month

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Monitoring Location	May 2006		
Marine Water Quality Monitoring	03,08, 10, 12, 15, 17, 19, 22, 24, 26, 29		
Site Inspection	03,08, 10, 12, 15, 17, 19, 22, 24, 26, 29		

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11.2 Upcoming Construction Works Schedule

The major construction works planned to be carried out in next month is tabulated (Table 11.2):

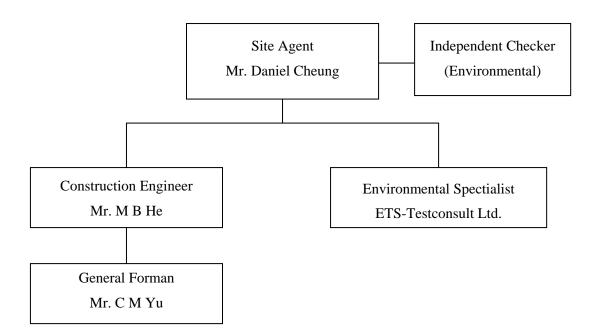
Table 11.2 Construction Plan in the coming month

	<u> </u>		
Month	Works Planned to be Carried Out (Proposed)		
May 2006	Breaking small part of exiting catwalk for placing caisson;		
	Driving the east and west side Caisson;		
	Removal of seabed Material from Caisson;		
	Erect the temporary works platform on two caissons; and		
	Coring the holes for bar anchors at Causeway and Pile Head.		

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Appendix A Organization Chart

Management Structure



Appendix B

Calibration Certificates for Marine Water Quality Monitoring Equipments

Appendix C Marine Water Monitoring Results



Appendix D Graphical Plots of Marine Water Monitoring Data



Appendix E QA/QC Results of Laboratory Analysis



QA/QC Results of Laboratory Analysis of Total Suspended Solids

Sampling Date	QC Sample Analysis	Sample Duplicate		Sample Spike	
, 5	% Recovery *	Sample ID	% Error #	Sample ID	% Recovery [@]
	101.2	C1F-M	0.0	M1F-M	100.0
03/04/06	107.3	M2F-M	0.0	C2E-S	103.1
	97.8	C2E-M	0.0	M2E-M	95.2
	97.6	C1F-S	0.0	M1F-M	104.5
07/04/06	105.2	M2F-S	0.0	C2E-S	103.4
	104.0	C2E-B	0.0	M2E-B	98.5
	102.2	C1F-M	0.0	M1F-M	103.8
10/04/06	94.5	M2F-M	0.0	C2E-S	108.1
	107.3	C2E-B	0.0	M2E-M	96.7
	100.2	C1F-M	0.0	M1F-M	107.0
12/04/06	93.3	M2F-M	0.0	C2E-S	96.4
	107.3	C2E-M	0.0	M2E-M	100.0
	98.7	C1F-M	0.0	M1F-M	101.7
19/04/06	101.2	M2F-M	0.0	C2E-S	98.0
	96.2	C2E-B	0.0	M2E-B	103.9
	92.5	C1F-S	0.0	M1F-M	101.6
21/04/06	98.2	M2F-S	0.0	C2E-S	95.4
	95.7	C2E-B	0.0	M2E-M	94.2
	92.3	C1F-S	0.0	M1F-M	102.0
24/04/06	93.3	M2F-M	0.0	C2E-S	100.0
	103.0	C2E-B	0.0	M2E-M	106.1
	100.6	C1F-M	0.0	M1F-M	98.4
26/04/06	103.6	M2F-M	0.0	C2E-S	95.3
	95.6	C2E-B	0.0	M2E-B	98.4

Note:

^{(*) %} Recovery of QC sample should be between 80% to 120%.
(#) % Error of Sample Duplicate should be between –10% to 10%.
(*) % Recovery of Sample Spike should be between 80% to 120%.



Appendix F Site Inspection Record Sheets



Appendix G Construction Programme



Figures