CONTRACT NO: CV/2004/02

RECONSTRUCTION OF WONG SHEK AND KO LAU WAN PUBLIC PIERS

ENVIRONMENTAL MONITORING & AUDIT MONTHLY REPORT (WONG SHEK)

- JAN 2006 -

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Subject	Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko L Monthly EM&A Summary Report	au Wan Public		

We refer to the January Monthly EM&A reports for Wong Shek Pier and Ko Lau Wan Pier that we received through email on 22 February 2006 and are pleased to confirm we have no further comment on the reports.

Should you require further information, please feel free to contact us.

Best regards,

Joseph Poon

Independent Environmental Checker

JP/cy

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EXECUTIVE SUMMARY

This is the Monthly Environmental Monitoring and Audit (EM&A) report for Jan 2006 under Contract No. CV/2004/02 – Reconstruction of Wong Shek and Ko Lau Wan Public Piers. This report presents the environmental monitoring and auditing (EM&A) findings based on data and information recorded from the period 1st to 31st Jan 2006 for the construction of Wong Shek Public Pier.

Construction Activities for the Reported Period

During this reporting period, the principal work activities at Wong Shek Pier include:

- Grouting of piles
- Loading test for pile no. H3
- Setting up of loading test for pile no. B9

Water Quality Monitoring

14 water quality monitoring events in terms of turbidity, dissolved oxygen, suspended solids, temperature, and salinity was carried out at MW1, MW2, CW1 and CW2 at Wong Shek except at both mid-flood and mid-ebb tides on 14 Jan and mid-ebb tides on 11 and 13 Jan in which the tidal events occurred at night-time when there was no construction operation. Frequency of monitoring has been changed to weekly after the completion of piling and demolition work since mid-Jan 06.

Suspected red tides was observed during the mid-flood tide on 11 Jan 2006. Immediate attention was raised to the Engineer to closely check any fluctuation in the water quality. The suspected red tides disappeared on the next sampling day and review on the results and trends showed that there is no impact on DO and other water quality parameter during the reporting period.

Fluctuations for dissolved oxygen, turbidity and suspended solids resembled those fluctuations at the control stations which indicated that all the exceedances in water quality monitoring were due to natural phenomena and agreed with the changes in the control stations. Causation due to construction activities is unlikely and there were no valid exceedance for this reporting period.

Waste Management

22m³ inert C&D materials was disposed of at Tseung Kwan O Area 137 public filling area while 6m³ general refuse was disposed of at SENT landfill. No chemical waste was transported off site in this reported period.

Complaints, Notifications of Summons and Successful Prosecutions

There was no complaints, notification of prosecutions or summons in this reporting period.

Site Inspections and Audit

4 site inspections were conducted by the Environmental Team (ET) in this reported period. An audit by the Independent Environmental Checker (IEC) was conducted on 10 Jan 2006 with the Engineers' Representative and the Environmental Team. Major observations are summarised in the following table. Major observations by the ET, actions by the Contractor and outcome are summarized in the following table.

Item	Date	Observations	Action taken by Contractor	Outcome
-	6-Jan	No particular finding	-	-
1	10-Jan	Over 20 bags of cement were observed not covered when left idle on barge.	Enhance the sheeting protection against dust emission	Implemented
2	10-Jan	Waste packaging was observed floating on a pile cap.	Dispose the waste properly and maintain the area cleaned after work	Done
-	18-Jan	No particular finding	-	-
-	27-Jan	No particular finding	-	-

Future Key Issues

The tentative works activities, predicted impacts and areas of environmental concern for the coming reporting month are summarized in the following table.

Construction Works	Predict Impacts	Proposed Mitigation Measures
Grouting of main piles Casting of in-situ pile brackets	Water, Noise, Waste	Silt curtain to be secured Avoid concurrent noisy operation during timber and steel preparation Prohibit on-site concrete truck washing Avoid chemical spill and provide spill control if necessary
Installation of precast concrete units	Noise	Avoid concurrent noisy Material and waste to be stored properly
Erection of falsework for installation of precast units and in-situ concrete	Noise, Waste	Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea
Pile loading test	Noise	Avoid concurrent noisy operation during lifting operation

1 INTRODUCTION

1.1 SCOPE OF THE REPORT

Lam Environmental Services (LAM) has been appointed to work as the Environmental Team (ET) for Kin Shing Construction Company Limited to implement the Environmental Monitoring and Audit (EM&A) programme for the Contract No. CV/2004/02 – Reconstruction of Wong Shek and Ko Lau Wan Public Piers.

This report presents the environmental monitoring and auditing work carried out from the period 1st to 31st Jan 2006 for the construction of Wong Shek Public Pier in accordance to Section 26 of the Particular Specification, Project Profile (PP-191/2003) and Environmental Permit (EP-186/2004) for this Project.

The following information relating to this project is documented in the EM&A Manual and, to avoid duplication, it is not presented in detail within the monthly report.

- Event-Action Plans;
- Full set of environmental mitigation measures and;
- · Contracted environmental requirements.

1.2 STRUCTURE OF THE REPORT

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

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

Section 3 Implementation Status – summarizes the status of Environmental Permits / Licenses, implementation of environmental protection and pollution control / mitigation measures in an updated schedule for the reporting period.

Section 4 Monitoring Requirements – summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency and programmes.

Section 5 *Monitoring Results* – summarizes the monitoring results obtained in the reporting period.

Section 6 Compliance Audit – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 7 Site Inspection and Audit – summarizes the findings of weekly site inspections and independent audit undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.

Section 8 Complaints, Notification of Summons and Prosecution – summarizes the complaints, notification of summons and successful prosecution for breaches of environmental legislation and the actions taken within the reporting period.

Section 9 Future Key Issues – summarizes the upcoming works and a forecast of the environmental impact and monitoring schedule for the next reporting period.

Section 10 Conclusion

2 PROJECT BACKGROUND

2.1 SCOPE OF THE PROJECT AND SITE DESCRIPTION

The works mainly comprise demolition of the existing piers and construction of reinforced concrete piers with roof covers at Wong Shek. The construction of the Project is scheduled to commence in November 2004 for completion in September 2006. The construction period is 630 days for the entire construction.

The site layout plan is shown in **Figure 2.1**.

2.2 PROJECT ORGANIZATION AND CONTACT PERSONNEL

Civil Engineering Office of Civil Engineering and Development Department is the project proponent. The organization chart for the EM&A programme is attached in *Appendix A*.

Under the organization chart, Resident Engineer, Contractor, Independent Environmental Checker, Environmental Team are appointed to manage and control environmental issues for the construction phase of CV/2004/02. Overall responsibilities and duties of the team are found in the corresponding EM&A Manual. Key personnel and contact particulars are summarized in *Table 2.2*:

Table 2.2 Contact Details of Key Personnel

Post	Name	Contact No.	Contact Fax	Mobile No.
Resident Engineer	David C S Leung	2760 5737	2714 2054	9630 1235
Site Agent	Simon Fok	2729 6779	2729 7858	6010 8730
Independent Environmental Checker (IEC)	Joseph T L Poon	2452 7140	2450 6138	9450 1968
Environmental Team Leader (ETL)	Raymond Dai	2975 3300	2897 5509	9738 0738

2.3 CONSTRUCTION PROGRAMME AND WORKS

Construction works carried out at Wong Shek Pier during this reporting period are:

- · Grouting of piles
- Loading test for pile no. H3
- Setting up of loading test for pile no. B9

The master construction programme is given in *Figure 2.3*.

3 IMPLEMENTATION STATUS

3.1 STATUS OF REGULATORY COMPLIANCE

A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in *Table 3.1*.

Table 3.1 Cumulative Summary of Valid Licences and Permits

Permits and/or Licences	Reference No.	Issued Date	Expiry Date	Status
Environmental Permit	EP-186/2004/A	28-04-2005	-	Issued on receipt of VEP-171/2005 dated 14-04-2005
Waste Producer Registration	WPN5213-742- K1081-05	12-05-2005	-	Notified
Construction Noise Permit	-	-	-	No valid CNP granted to the Contractor

3.2 IMPLEMENTATION OF POLLUTION CONTROL / MITIGATION MEASURES

The contractor implemented various environmental mitigation measures as recommended in the Particular Specification and the Environmental Permit. The implementation schedule is presented in *Appendix B*.

4 MONITORING REQUIREMENTS

Locations of environmental monitoring stations are referred in *Figure 4.1*.

4.1 WATER QUALITY MONITORING

The brief for EM&A works details 4 designated stations to be monitored during the construction period comprising 2 monitoring stations and 2 control stations. These stations have been coded as MW1, MW2, CW1 and CW2 respectively.

Table 4.1a Water Quality Monitoring Stations

Station	HK Metric Grid (Easting / Northing) Description	
MW1	852 789.231E / 832 978.476N	Impact Monitoring
MW2	852 844.187E / 832 878.676N	Impact Monitoring
CW1	852 922.540E / 833 067.718N	Control during mid-flood
CW2	852 992.314E / 832 853.794N	Control during mid-ebb

Monitoring Methodology

Measurements were be taken under two tidal conditions (mid-flood and mid-ebb) at 3 water depths, namely 1m below the water surface, mid-depth and 1m above the seabed, except where the water depth is less than 6m, the mid-depth sample may be omitted. If the water depth is less than 3m, only the mid-depth will be monitored.

Replicate in-situ measurements and samples were collected from each independent sampling event are required for all parameters to ensure a robust statistical interpretable dataset.

Water quality parameter in terms of: dissolved oxygen (mg/L and % saturation), salinity (ppt), turbidity (NTU), and suspended solids (mg/L) were measured in-situ with portable instruments. Other relevant data was also recorded, including the following:

- · monitoring station and position;
- time;
- depth of water;
- tidal status;
- · water temperature;
- · weather conditions including ambient temperature;
- any special phenomena or activities at the construction site.

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For the measurement of dissolved oxygen the probe shall be removed from the water column between each duplicate measurement. If the difference between each duplicate measurement is greater than a 25% then the two sets of data shall be rejected and the measurements re-taken.

Suspended solids (SS) were determined in the laboratory at Chai Wan managed by Lam Environmental Services Ltd.

Monitoring Equipment

- Sample Bottles: Samples were kept in high density polythene bottles, packed in ice and cooled to 4°C or below, without being frozen, for delivery to the laboratory as soon as possible after collection.
- Thermometer: A standard certified laboratory mercury thermometer with an accuracy of at least 0.5°C was employed, calibrated against a certified thermometer of 0.1°C scale. This thermometer was employed for measuring both ambient and water temperatures.
- Depth Detector: As the depth of water being sampled was generally shallow, too shallow to allow for the use of an echosounder, a marked depth gSepe was employed to determine water depth at all designated monitoring stations.

All in-situ monitoring equipment shall be checked, verified and calibrated by Lam laboratory at Chai Wan, a HOKLAS accredited laboratory, prior to use on the Works and subsequently thereafter every three months throughout all stages of the water quality monitoring. Responses of the sensors and electrodes shall be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement.

For in-situ calibration of field equipment, the BS 1427: 1993 "Guide to Field and on-site test methods for the analysis of waters" shall be observed.

A set of backup monitoring instruments and equipment shall be made available so that the monitoring can proceed uninterrupted in case of apparatus malfunction or if equipment has been returned to the laboratory for calibration.

Current calibration certificates are presented in *Appendix C*.

Laboratory Analysis

All samples are returned to the laboratory at Chai Wan for the determination of SS under a QA / QC scheme inclusive of blank, duplicate and spike recovery analysis under the requirement of HOKLAS. The laboratory test procedures conform to "Standard Methods for the Examination of Water and Wastewater" published by American Public Health Association (APHA) and United State Environmental Protection Agency (USEPA) test methods are summarized in *Table 4.3b*.

Table 4.1b Laboratory Test Procedures

Parameter	Methodology	Method Ref.	Detection Limit
SS	Determination of Total Suspended Solids Dried at 103-105°C	APHA 19 th Ed. 2540D	2.0 mg/L

4.2 MONITORING PARAMETERS AND FREQUENCY

Water quality monitoring programme has been scheduled according to the requirements stipulated in the EM&A Manual produced for the Project summarized in *Tables 4.2*.

Table 4.2 Water Quality Monitoring Parameters and Frequencies

Stat	tion(s)	Parameter	Frequency
	71, MW2 1, CW2	DO, Temperature, Salinity, Turbidity, Suspended Solids, Water Depth	For piling or demolition works 3 days per week at mid-flood and mid-ebb For marine works other than piling or demolition works 1 day per week at mid-flood and mid-ebb

4.3 WATER QUALITY CRITERIA

Water quality criteria were determined prior to the commencement of the construction of the project for the purpose of impact monitoring. Various levels established based on the results of baseline monitoring and the Event Action Plan stipulated in the EM&A Manual are summarized in *Tables 4.3*.

Table 4.3 Action and Limit Levels for Water Quality Monitoring

Parameter	Action Level	Target Level
Dissolved Oxygen (Surface, Middle & Bottom)	Surface & Middle For Wong Shek – 6.96	Surface & Middle For Wong Shek – 6.69
	Bottom For Wong Shek – 6.93	Bottom For Wong Shek – 6.71
Turbidity (depth- averaged)	For Wong Shek – 1.47 or 120% of upstream control station's Tby at the same tide of same day, whichever is lower	For Wong Shek – 4.05 or 130% of upstream control station's Tby at the same tide of same day, whichever is lower
Suspended Solids (depth-averaged)	For Wong Shek – 6.85 or 120% of upstream control station's SS at the same tide of same day, whichever is lower	For Wong Shek – 8.85 or 130% of upstream control station's SS at the same tide of same day, whichever is lower

Note:

- 1. "Depth-averaged" is calculated by taking the arithmetic means of reading all three depths.
- For Dissolved Oxygen, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- 3. For Turbidity and Suspended Solid, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- 4. All the figures given in the table are used for reference only and the Engineer may amend the figures whenever it is considered as necessary.

4.4 MONITORING PROGRAMME

Environmental monitoring programme for this reporting period was carried out in accordance with the required monitoring frequency. The actual completion of monitoring work during the reporting period is presented in *Tables 4.4*.

Table 4.4 Environmental Monitoring Programme – Jan 06

Jan	2006	Water Quality (DO, Turbidity, SS)	Site Inspection
1	Sun	MW1, MW2, CW1, CW2	
2	Mon		
3	Tue		
4	Wed	X	
5	Thu	X	
6	Fri	X	X
7	Sat	^	^
8	Sun		
9	Mon	X	
10	Tue	, , , , , , , , , , , , , , , , , , ,	X (w/ IEC)
11	Wed	X	X (W/ ILO)
12	Thu	^	
13	Fri	X	
14	Sat	, , , , , , , , , , , , , , , , , , ,	
15	Sun		
16	Mon	X	
17	Tue	Λ	
18	Wed		X
19	Thu		
20	Fri		
21	Sat		
22	Sun		
23	Mon	X	
24	Tue		
25	Wed		
26	Thu		
27	Fri		Х
28	Sat		
29	Sun		
30	Mon		
31	Tue		

Note:

- X: Monitoring visit conducted (frequently changed to weekly after the completion of piling and demolition work starting from mid-Jan 06.)
- Schedule is formulated and with consideration of statutory holidays (shaded in the table).

5 MONITORING RESULTS

5.1 WATER QUALITY MONITORING RESULTS

Water quality monitoring was carried out on 14 occasions at stations MW1, MW2, CW1 and CW2. Frequency of monitoring has been changed to weekly after the completion of piling and demolition work since mid-Jan 06. Calculated water quality monitoring results in this reporting period are reviewed and summarized in *Tables 5.1a and 5.1b*. Details of measured and tested results can be referred in *Appendix D*. Graphical trend is presented in *Figure 5.1a – 5.1h*.

Table 5.1a Water Quality Monitoring Results (mid-flood tide) – Jan 06

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	4.93	4.80	1.16	11.8
MW2	4.86	4.80	1.16	10.8
CW1	4.83	4.82	1.17	10.0
CW2	4.85	4.80	1.16	11.7

Table 5.1b Water Quality Monitoring Results (mid-ebb tide) – Jan 06

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	4.85	4.78	1.17	11.4
MW2	4.78	4.77	1.16	10.8
CW1	4.75	Water depth < 3m	1.12	11.0
CW2	4.74	4.71	1.16	11.0

5.2 WASTE MONITORING RESULTS

22m³ inert C&D materials was disposed of at Tseung Kwan O Area 137 public filling area while 6m³ general refuse was disposed of at SENT landfill. No chemical waste was transported off site in this reported period.

10

6 COMPLIANCE AUDIT

Results of the calculated water quality results for various are audited against the water quality levels and the number of exceedances are summarized *Tables 6.1a* and 6.1b. Exceedances caused by natural phenomena namely fluctuation of overall water quality by comparing the graphical trends of monitoring and control stations are eliminated in order to identify the valid exceedance due to construction activities.

Table 6.1a Summary of Water Quality Exceedance (mid-flood tide) – Jan 06

Station	Averaged DO Surface & Middle	Averaged DO Bottom	Averaged Turbidity	Averaged Suspended Solids
MW1	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MW2	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)

Table 6.1b Summary of Water Quality Exceedance (mid-ebb tide) – Jan 06

Station	Averaged DO Surface & Middle	Averaged DO Bottom	Averaged Turbidity	Averaged Suspended Solids
MW1	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MW2	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)

As shown in the graphical trend, the observed trends and exceedances in dissolved oxygen at MW1 and MW2 resemble the fluctuations to the respective control stations, possibly due to variation in water current or tidal effect.

There is no exceedance on turbidity and the observed exceedances for suspended solids are within 10 mg/L, indicating the fluctuation could possibility due to the natural variation around the small values of turbidity and suspended solids, possibly due to water current or tidal interference.

Suspected red tides was observed during the mid-flood tide on 11 Jan 2006. Immediate attention was raised to the Engineer to closely check any fluctuation in the water quality. The suspected red tides disappeared on the next sampling day and review on the results and trends showed that there is no impact on DO and other water quality parameter during the reporting period.

To conclude, the fluctuations for dissolved oxygen, turbidity and suspended solids resembled those fluctuations at the control stations which indicated that all the exceedances in water quality monitoring were due to natural phenomena and agreed with the changes in the control stations. Therefore, causation due to CV/2004/02 construction activities is unlikely and there were no valid exceedance for this reporting period.

7 SITE INSPECTION AND AUDIT

The ET undertook site inspection at least once a week. Monthly joint audit was undertaken by the IEC, the ETL, the Engineer and the Contractor.

The ET carried out 4 inspections during this reporting period. An audit was undertaken by the IEC on 10 Jan 2006. The results of these inspections and outcomes are summarized in *Table 7*.

Table 7 Summary of Environmental Inspection and Audit – Jan 06

Item	Date	Observations	Action taken by Contractor	Outcome
-	6-Jan	No particular finding	-	-
1	10-Jan	Over 20 bags of cement were observed not covered when left idle on barge.	Enhance the sheeting protection against dust emission	Implemented
2	10-Jan	Waste packaging was observed floating on a pile cap.	Dispose the waste properly and maintain the area cleaned after work	Done
-	18-Jan	No particular finding	-	-
-	27-Jan	No particular finding	-	-

8 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

No complaint, inspection notice, notification of summons or prosecution was received in this reporting period. Complaint log, summaries of cumulative complaints and successful prosecutions are presented in *Table 8a*, *Table 8b*, *Table 8c* and *Table 8d* respectively.

Table 8a Environmental Complaints Log

Complaint Log No.	Date of Receipt	Received From and By	Nature of Complaint	Date investigated	Outcome	Date of Reply and to Whom
-	=	-	-	-	-	-

Table 8b Cumulative Statistics on Complaints

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

Table 8c Cumulative Statistics on Successful Prosecutions

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

Table 8c Cumulative Statistics on Notification of Summons

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Summons	Cumulative Number to Date
Air	-	-	-
Noise	-	-	-
Water	-	-	-
Waste	-	-	-
Total	-	-	-

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9 FUTURE KEY ISSUES

The scheduled construction activities and the recommended mitigation measures for the coming month are listed below. The proposed monitoring schedule for the coming reporting period is detailed in <u>Appendix E</u>.

Table 9 Construction Activities and Recommended Mitigation Measures – Feb 2006

Construction Works	Predict Impacts	Proposed Mitigation Measures
Grouting of main piles Casting of in-situ pile brackets	Water, Noise, Waste	Silt curtain to be secured Avoid concurrent noisy operation during timber and steel preparation Prohibit on-site concrete truck washing Avoid chemical spill and provide spill control if necessary
Installation of precast concrete units	Noise	Avoid concurrent noisy Material and waste to be stored properly
Erection of falsework for installation of precast units and in-situ concrete	Noise, Waste	Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea
Pile loading test	Noise	Avoid concurrent noisy operation during lifting operation

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10 CONCLUSION

The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed in the previous EM&A Report were made in response to changing circumstances.

No exceedance due to construction activities was reported in routine environmental monitoring. Such results indicate that the construction operation generally performed reasonably acceptable against environmental auditing criteria.

In summary, environmental mitigation measures are being satisfactorily implemented within the CV/2004/02 project along with the on-going construction activities.

Figure 2.1

Location Plan





Master Construction Programme

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lan Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.

Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

Programme Date: 21st Feb 2005

The Plant	Dietten Start	Finn: Textocesses	To be the first of
Commencement of the Works	1 tlay Mon 64/11/1:	5 Mon #4/11/25	1 10 No. 15
Completion of Section 1 (Wong Sheli Public Pier)	I day Sum 96/8/6	Sun 06/8/6	
Completion of Section 2 (Ko Lan Wita Public Pier)	1 day Sum 06/8/6	- Sun 06/8/6	
Preliminary		1	
Establishment of Englacer's Principal Sile Office.	994 days Tue 04/11/16	6 . Mou 67/8/6	S (V)
Submission and approval	21 days Tue 04/11/16	5 Mon 94/12/6	6 HIBIRIA
Provision	8 days Tue 04/12/7	Tue 04/(2/14 0	7 7111
Servicing during construction period	600 days Wed 04/12/15	5 Sun 06/8/6 2	• Вининальническое неводинального принципального принципального принципального принципального принципального п
Servicing during maintenance period	364 days More 06/8/7	Sun 02/3/3 a	**************************************
156 commissioning	I day Mos 07/8/6	Mos 07/8/5 4	
Secondary Office	582 days Mais 05/1/3	Mas 05/8/7	TO V THE MODERN SHIP WE HARD SALES AND THE S
Sultiniasida and approval	£5 days Most 05/1/3	Mon 03/1/17	13 (2007) 321-
Provision	28 days Tuc 05/L/18	Mon 05/2/14 12.15	13 MEHSTERHEITIN
Servicing	538 days Tue 05/2/15	Sun 06/8/6 ()	A ENGLISHMENT OF THE PROPERTY
5 Decommissioning	1 day Mear 06/8/7	Mon 06/8/7 14	**************************************
Provision of Contractor's accommodation	602 days Man 04/12/1	3 Sun 96/8/6	is the manufacture of the second seco
Initial survey	20 days Wed 04/12/15	S Man 05/1/3	17 (1007573)
Erection of boarding and project significant at Por. A	34 days - Mon 05/1/31	Sat 05/3/5 17	10 255355355 755560
Frection of hourding and project signboard at For. B	13 days 35on 05/2/21	Sat 65/3/5	19 (1920)
Application and Installation of dectrical system	75 days (/ri 04/12/3)	'I ne 05/3/15	20 PERSPERSON RESIDENCE OF THE PROPERTY OF THE
Application and installation of water supply system	75 days Sun 05/1/15	The 05/3/31	n totanian and the total and t
Application and installation of telephone fines	75 days Sun 05/1/15	Thu 05/3/31	22 (1/1/25/1001/1001/1001/1001/100/100/100/100/10
Notification of parties in concern	31 days Wed 04/12/1	Fri 04/12/31	23 [000400[100]13]
Application for prisonlysison of Marine Department for Weing Stick	Notice 71 days Pri 04/12/17	Fri (15/2/25	24 [001.00]01.00500) (10000011111111111111111111111111111
Application for promilgation of Marine Department for Ku Lan Wan	Notice 65 days Pet 04/12/17	Sat 05/2/19	32 WILLIAM CONTROLL AND
Environmental Atomitoring	658 thrys Mon 04/11/15	5 Sun (life/9/3	20 Total and the second
Submission and approval of ES and IC (Env)	44 days - Mon 04/11/15	5 Tue 04/12/28	27 PULIFFIFFIFFIFFU
Endotschient of SM&A prognoul	12 days Wed 04/12/29	9 Sun 05/1/9 #	20 E19519
Baseline water quality mountaing	26 days Mon 05/1/t0	frii 05/2/4 #	29 (202220002000000000000000000000000000
Preparation and approval of baseline report	21 days Sal GS/2/5	Fzi 05/2/25 #/	39 600000000
I Impact manitoring	527 days Sn(05/2/26	Sats 06/8/6 90	THE STATE OF THE S
2 Post construction manitoring	28 days Mon 06/8/7	Siui 06/9/3 9,10/202	
Sertion I (Wong Shek Public Pier)		The state of the s	
Temporary cover to existing pier	121 days Mnn (14/11/15	5 Tec 05/3/15	M (V) PROFESSION AND AND AND AND AND AND AND AND AND AN
Dusign and ICE checking	66 days Men 04/11/13	5 Wed-05/1/19	NSAUDICALIZATION V
	3}31331 Eagest	Summery (V)	Critical Task (Sec. 1.4.75 SECCESSESSES) Letters Task (Sec. 2) SECULIARIES
destrict transference (19/2) (2) Split	Compression Milesons	Completion Milestons	Citylead Traik (Sec. 1) CZZZZZZZZZZZ Maintenence Tegland 111.5.111

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

(232723)2232233 Pages

Commencement Milestone

Keen Tak

Part act No. (1992014012) Alcaler Proposition 2 Version 21

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

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ā≥	Cask Nems.	Countries: Si	ect Finish	Presloce is ner	wiles with the wind of the wind of the wind of the wiles of the wind of the wi
8	arbanission for Engineer's common	30 days Thu 0.	5/1/20 Fri 05/2/18	15	16 TATAMANA)
e j	resction	20 days Sat 05	5/2/19 Thu \$5/3/10	7 76	51 COLUMN
	entitled by ICE and commissioning	5 days Pri 05	5/3/11 Tue 05/3/15	ed was a second	»ē,
Prov	ision of temperary berth	192 days Man b	4/11/15 Wed 05/5/2	5	39 (V) THE PROPERTY OF THE PRO
ý 1	beign and ICE checking of temporary berth	60 days Mon 0-	Wed 05/2/2	Rus = entraction	40 (255202352440398888988884)338688125441466120)
	arbunission for Engineer's comment	41 days Thu (05/2/3 Tue 05/3/15	5 10	41 100000000141000000000
2 1	iling	40 days Wod 0	05/3/16 Sint 05/4/24	t - 34,56,23,41,38	42 200000000000000000000000000000000000
95. 4	Deck construction and installation of fenders	25 days - Mon E	05/4/25 Thu 05/5/19	9 19	10 100,000.00
4 1	Relocation of maxigation light by Marine Dept.	66 days Wed I	05/3/16 Fel 05/5/20		H PROGRAMMAN AND THE PROGRAMMAN
	Application to Marine Department	65 days Wed 0	05/3/16 Thu 05/5/19		* OHOMOODOO GILLION
¥** († († †)	Relocution works	l day Pri 0:	5/5/20 Pri 05/5/20	43,45	46 5
. (entified by ICE, testing and contributioning of berth	5 days Sat 0	5/5/21 Wed 05/5/2	5 16	nte
Ciro	and investigation	110 days Wed 0	4/12/29 Sun 05/4/I	7	48 (V. ASABARA BERERA BERKERA BARANA PARA PARA PARA PARA PARA PARA PARA
51 3	Sulantation for Engineer's comment	59 days Wed 0	4:12/29 Pri 05/2/25		40 Talearanna na
90/37	iround investigation works on site	20 days Sat 0	5/2/26 Thu 05/3/1	7 69,34,34	jo <u>Šinarrarn</u>
5 1	regaration and approval of reports	10 days Pri 0.	5/3/18 Sim 05/3/2	7 -54	51 \$\frac{1}{2028}\frac{1}{2}
.,	submission of reports and determine pile founding levels	21 days Moii (05/3/28 Sm1 05/4/1	7 31	n Engage
(Cellin	g for permanent pier	282 days Sut l	05/1/1 Sum 05/10/	9	51 XI MARKET MAR
st (ompilition of method statement for pring	33 days Sat (15/1/1 Wed 05/2/		M ROMANDED
SF 1	Schwisslan for Engineer's comment	112 days The	05/2/3 Wed 05/5/2	5 14	of diagrams and a second property of the seco
55	Vertical preliminary pile and testing	15 days Thu C	05/5/26 Thu 05/6/5	17,82,85,327	26
54 E 2	Vertical main piles using land plant (E1, Ht, E2, H2)	30 days Toe 0	15/6/28 Wed 05/7/2	7	
se. 1	Vertical main piles (A11, B8, B11, C8, C11, D8, D11)	18 days Sun (556/19 Wixl 05/76	6 128	
50 g	temporary platform for railing pile	21 days Thu	05/3/7 Wed 05/7/2	ry 18	
60	Vertical main piles (remaining 14 nos.)	35 days Thin	05/7/7 Wed 05/8/1	Q 18	
11	taking preliminary piles and testing (1910)	15 days Thur	05/7/28 Tiru 05/8/1	\$9,39	
F7 .	talong main piles (15 nos)	44 days Fri 0	5/8/12 Sat 05/9/2	4 nt	
61	tile test for main piles	15 days Sim C	55/9/25 Sun 95 /10/	9 62	
r Con	struction of pilo cap and deck	212 days Fri 6	15/6/10 Sat 06/17	,	
16	Submission and approval of precast yard	61 days Fri C	Sale 10 Tue 05/8/)	
76	Casting of precast units at precast yard	61 days Wed	05/8/10 Sun 05/10	ng 18	
	Design and ICE checking of followork for pile cap and deck	62 days Sun	05/7/10 Pri 05/9/9	·	
N.	Submission of calculation and method statement for Finguism's approval	30 days Sai C	05/9/10 See 05/10		
	Erection of talsework for installation of precast units.	20 days Mon (05/10/10 Sat 05/10/2	19 08,63	

Security

Completion Millionous

Page 2

(** BRANAMAN *** Children's Tests (Sec. 1) (SCAN STANCES) Crisinal Tests (Sec. 2)

Ortical Took (See 1) 22/12/22/22 Maintenance Percod

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Plers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

TI I	Task Neura	Diction	3º m	Finitis	Predecessors	W 1 W 1 W 1 W 2 W 3 W 1 W 2 W 3 W 3 W 3 W 3 W 3 W 3 W 3 W 3 W 3	1 578 258 25
= 1	Installation of precast units with ir-situ pile caps.	60 days	Mon 05/10/10	Thu 05/12/8	56,68,63	ACTION OF THE PARTY OF THE PART	
1	Cashing of in-afti pier deck	30 days	Fri 05/12/9	Sut 06/1/7	70,73		
2 !	Construction of hollards	30 days	Fyl 05/12/9	Sat 06/1/7	γυ		
11	Installation of corresion monitoring system	91 days	Sun 05/10/9	Sat 06/1/7	Kalana ooteoba		
k:	Approval of specialist contractor and method statement	61 days	Sun 05/10/9	Thu 05/12/8			
;	Installation of corresion monitoring system	30 days	Fri 05/12/9	Sal 06/177	70,74		
-	Roof cover system	272 days	Tue 05/8/9	Sun 06/5/7	******************		
-	Approval of specialist contractor	61 days	Tue 05/8/9	Sat 05/10/8			1
ŧ	Submission of weekshop drawings for connection details with deck	61 days	See 05/10/9	Thu 05/12/8	ъ		
d	Malerial submissions	91 days	Sun. 05/10/9	Sat (16/1/7	73		ii .
e j	Suturnizacin of weekshop drawing for remaining roof system	91 days	Sun 05/10/9	Sat 06/1/7			į.
11	C'eratruption of steel works	60 days	Sun 06/1/8	Wed 06/3/8	71,80,79		
0	Execution, of roof covers	ńű days	Thu 06/3/9	Sun 06/5/7	a1		
1	Marrying-in to bandside	121 days	Wed 06/3/8	Thu 06/7/6	7	1	
11	Application of Excavation Permit	90 days	Wed 06/3/8	Man 06/6/5	1	<u></u>	
	Site works	31 days	Tue 06/6/6	Thu 06/7/6	94,31		
	Electrical system, CLP meter box and lighting system	220 days	Mon 05/19/10	Wed 06/5/17			
×2.	Approval of specialist contractor	30 days	Mon 05/10/10	Toe 05/11/8			
4	Lrason with CLP and EMSD	60 days	Wed 05/10/9	Sat 06/1/7	81		Š s
e:	To stablishin	120 duys	Sun 06/1/8	Sun 06/5/7	74,86	1	
Ét	Te-ting	10 days	Mon 06/5/8	Wed 96/5/17	89		
i T	Construction of floor finish	121 days	Wed 06/3/8	Thu 06/7/6	-	1	1 1
	Material submissions	61 days	Wed 06/3/8	Sun 06/5/7			1
je i	Silic works	60 days	Mon 06/5/8	Thu 06/7/6	82.92		11
*]	Construction of hand ralling seating beaches and notice boards	150 days	Tue 06/2/7	Thu 66/7/6	1		
	Material submission	60 days	Tast 06/2/7	Fri 06/4/7			11
G.	Construction	90 days	Sal 05/4/8	Tini 05/7/6	11/38		4 1
97	Installation of fender system	190 days	Thu 05/12/29	Thu 06/7/6			1 1
8	Maicrial submission	31 days	Thu 05:12:29	Sat 06/1/28	4		11
357	Ordering of material	59 days	Sun 06/1/29	Tue 06/3/28	91		41
9.40	Sinc works	LCG days	Wed 06/3/29	This 06/7/6	71,99	1 :	
Best.	Relucation of navigation light by Marine Dept.	92 days	Fri 06/4/7	Pri 86/7/7			
105	Application to Marine Department	91 daya	Fri 06497	Thu 06/7/6		H B 0 9	E 2

Count. No. 1, V2005410. Value Weighting (V2007) 21

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ANTHONY Program

Commissense Milestone

Completion Mileston

Cinical Trak (See 1)

Critical Task (Sec 1 & 2) 5500000000000 Critical Task (Sec 2)

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/013

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

-	Task Mann	Distinu	Start	Pins'-	Palmakith	Marker M
	Relogation	l day	Fyi 06/7/7	Fri 06/7/7	(105,93,93,84,302,94)	PST WST WST TWO TAST THE TANTEST TWEET WAS WESTERN WITH THE WITH THE WITH THE WASTERN STANT STANT STANT WAS IN THE WASTERN STANT STA
	Commissioning of the pier	1 day	Sat 06/7/8	Sat 96/7/8	iny	
	Demolition of the temporary beeth and the existing pier	151 days	Thu 06/3/9	Sun 06/8/6		
	Survey of existing almetures	31 days	Thu 06/3/9	Sac 06/4/8	j	
	Design and ICE checking of demolition plan	61 days	Sun 06/4/9	Thu 06/6/8	106	
	Sultinization for Engineer's comments	30 days	Fri 06/6/9	Sat 06/7/8	103	
	Obtain consent from Country and Marine Park Authority	30 days	Fri 06/6/9	Sat 06/7/8	tör	
	Domohnou	29 days	Sun 06/7/9	Sun 06/8/6	(84,109,108	
	Maintenance Period for the Works	365 days	Men 06/8/7	Mon 07/8/6	110	
S	ection 2 (Ko Lun Wan Public Pier)					
	Curul Survey	626 days	Mon 04/11/15	Wed 86/8/2		113 (A MANAGEMENT PROPERTY AND A STATE OF THE STATE OF TH
	Sole rigsion and approval of specialist and method statement	73 days	Mon (M/11/15	Wed 05/1/26	(**************	D4 [RUMEVOORSKURTED D0113284418119]
	Initial cural survey and approval by AFCD	18 days	Sun 05/2/20	Wed 05/3/9	111(25	as Zeener
	Corol translocation	વ હૈાપુક	Thu 05/3/10	Sun 05/3/13	115	110 (2)
	Post (purslocation survey	4 days	Mon 05/3/14	Thu 05/3/17		- 123 cm
	Post pier construction survey	15 days	Wed 06/7/19	Wed 06/8/2	397	
	Temporary cover to existing pier	123 days	Mon 04/11/15	Thu 05/3/17		119 (V Monthson Monthson State Management of the Control of the Co
	Design and ICE checking	66 days	Mon 04/11/15	Wed 05/1/19	***************************************	120 6/2/12/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2
	Suberissian for Engineer's connent	30 daya	Tita 05/1/20	Fci 05/2/18	120	121 \$21252111233
	Lifection	23 days	Sat 05/2/19	Sat 05/3/12	12)	121 2507777777
	Certified by ICE and commissioning	5 days	Sun 05/3/13	Thu 05/3/17	122	129 (53)
	Proxision of temporary berth	247 days	Maa 94'11/15	Tue 05/7/19		124 (V) AMEMANAAAAAAAAAAA
	Design and ICE electing of temporary both	BO days	Mon 04/11/15	Wed 05/2/2		12 GERTERGEL Z-TERROROGOUNDHURBER.
	Solvanission for Engineer's commont	81 days	Tho 05/2/3	Sun 05/4/24	125	125 (500)10001130110012130130130130130130130130130
	Filing (phase 1)	31 days	Mon 05-4/25	Wed 05/5/25	123.136,117,23,10.25,42	127 (02.8 6 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5
	Filing (Phase 2)	9 days	Fri 05.6/10	Sat 05/6/16	56	
	Deck construction and installation of fenders	25 daya	Sun 05/6/19	Wed 05/7/13	128	
	Relocation of revigation light by Marine Dept.	81 days	Man 05/4/25	Thin 05/7/14	merconiror =7	130 🐨
	Application to Marine Department	BO days	Mon 05/4/25	Wed 05/7/13		191 AND ASSESSMENT OF THE PROPERTY OF THE PROP
	Relocation works	1 day	Thu 05/7/14	Thu 05/7/14	139,381	
	Certified by ICE, texting and commissioning of bertle	5 days	Eri 05/7/15	Tue 05/7/19	112	
	Demolition of part of the existing pier	115 days	Mon 05/4/18	Wed 85/8/10		134 (V) BALLA I BANG EST I DO VICE
	Survey of existing structures	31 days	Mon 05/4/18	Wed 05/5/18		177 (801)(6)(191)(191)
	Design and ICF checking of demolition plus	32 days	The 05/5/19	San 05/6/19		pe finn

Cart Control (Section 180) State Congramme (Version 1)

Normal Task

DESCRIPTION PAGE

Concurrence Milesiène

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Completion Milesegre

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Critical Task (Sec. 1) 272217227722 Ministrance Recoil

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Page 4

/013

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lan Wan Public Piers

Master Programme (Version 2)

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

	Tast Nave	Direction	Stat	Finish	Hadaessan	Market Ma
	Submission for Engineer's comments	30 days	Moii 05/6/20	Tue 0.5/7/19	136	
1	Liaison with local residents	30 days	Moit 05/6/20	Tine (1.5/7/19	135	
	Demoliques	22 days	Wed 05/7/20	Wed 05/8/10	761,821,181	
E	General investigation	129 days	West 04/12/29	Pri 05/5/6	GHALLOXIII MARKANIN M	[41] WINDSTRUGGENANTHER STREET
(1)	Submission for Engineer's comment	68 days	Wed 04/12/29	Sun 05/3/6		ter attention to the first of t
ż	Ground investigation works on sile	20 days	Fri 05/3/18	Wed 05/4/6	141.36,117	142 Ü IESYSISSEL
14	Preparation and approval of reports	1 (Ø days	Thu 05/4/7	Sut 05:4/16	140	143 (\$252)
	Submission of reports to determine pile founding levels	20 daya	Sun 05/4/17	Pri 05/5/6	(43	144 (E853685558)
15	PHing for permanent pier	342 days	Sat 05/1/1	The 05/12/8		145 FEBRUARISE
15-	Compilation of method statement for pilling	33 days	Sai 05/1/1	Wed 05/2/2		CONTRACTOR OF
C.	Submission for Engineer's commont	189 days	Thu 05/2/3	Wed 05/8/10	146	14) QUERONI PORTUGUE DE LE CONTROL DE LA CON
ńe"	Vertical preliminary pile and leading	15 days	Thu 05/8/11	Thu 05/8/25	147,139,65,144	
pt	Vertical amin piles (EL,E4,D1,D4,C1,C4)	20 days	Fri 05/8/26	Wed 05/9/14	143	
ě.	Temporary platform for roking pile	21 days	The 05/9/15	Wed 05/10/5	(19)	
į.	Vertical main pile (remaining 15 nos)	45 days	The 05/9/15	Set 05/10/29	18	
2	Raking preliminary piles and testing	Łő duys	The 05/10/6	Pyi 05/10/21	140,62	
4 1	Raking main piles (remaining ♥ nos)	33 days	Sat 05/10/22	Wed 05/11/23) 152 ······	
51 j	Pile tests for main piles	15 days	Thu 05/11/24	Thu 05/12/8	191,183	
5.6	Construction of pile cap and deck	2DI days	Wed 05/8/10	Sun 06/2/26		
4	Submission and approval of precist yard	60 days	Wed 05/8/10	Sat 05/10/8	1	
55	Clusting of precost units at precost yard	60 days	Mon 05/10/10	Thu 05/12/8	186	
	Design and ICE checking of falsework for pile cap and deck	60 days	Sat 05/9/10	Tue 05/11/8	James	
54	construction Submission of calculation and method statement for	30 days	Wed 05/11/9	The 05/12/8	188	
7" .	Eugmoor's approval	The state of the s	. W. DESKETSKE 1800.	I		
p)x	Exection of folsowork for installation of precast units	20 days	Ri 05/12/9	Wed 05/12/28		
+1	Installation of pregest units with modul pile caps.	55 days	Fri 05/12/9	Wed 06/2/1	N. Carlos and San Control of the Con	
F.	Casting of media prior dock	25 days	Thu 06/2/2	Sim 06/2/26	Carlos III	
13	Construction of bollands	25 days	Thu 06/2/2	Sun 06/2/26	161	
14	Installation of corresion monitoring system	85 tlays	Sun 05/12/4	Sun 06/2/26	A removed proper	
145	Approval of specialist contractor and method shalement	60 days	Sun 05/12/4	Wed 06/2/1	Announcement in the second	
Pr.	Justal ation of concesion monitoring system	25 daya	Thu 06/2/2	Sun 06/2/26	5 141,163	
155	f austruction of villa	116 daya	Pri 86/2/17	Tue 06/6/6		
rie-	Concrete structure	50 days	Mon 06-2/27	Mon 06/4/17	/ 162	
Pin	Firesing	110 days	Fri 06/2/17	Tue 06/6/6	/	
130	Material submission	60 days	Fri 06/2/17	Man 06/4/17	(T	
Sec. 1	Construction	50 days	Tue 06/4/18	Tue 06/6/6	158,176	***

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.

Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

Programme Date: 21st Feb 2005

Cart Have:	Durton	Stan	Finish	Preile; essors	19 Nex
Construction of walking cover 1 & 2	245 days	Wed 05/10/5	Tue 06/6/6		THE PROPERTY OF THE PARTY OF TH
Approval of specialist contractor	60 days	Wed 05/10/5	Sat 05/12/3		
Submission of workshop drawings for connection details with the k	60 days	Sun 05/12/4	Wed 06/2/1	in	
Material sulmissions	85 days	Sun 05/12/4	Sun 06/2/26	171	
Submission of workshop drawing for remnining roof system	85 days	Sun 05/12/4	Sun 06/2/26	179	
Construction of sicel works	50 days	Moii 06/2/27	Mon 06/4/17	276,162,175	
Prection of roof covers	50 days	Tue 06/4/18	Tue 06/6/6	177	
Electrical system, CLP meter box and lighting system	200 clays	Tue 05/11/29	Frt 06/6/16		
Approval of specialist contractor	30 days	The 05/11/29	Wed 05/12/28	*************	
Liaison with CLP and EMSD	60 days	The 05/12/29	San 06/2/26	100	
Justaflation	100 days	Мон 06/2/27	Tue 06/6/6	(62,181	
Testing	10 days	Wed 06/6/7	Fri 06/6/16	182	
Construction of Boor finish	130 days	Thu 06/3/9	Sun #6/7/16		
Material submissions	90 days	Thu 06/3/9	Tae 06-6/6		
Site works	40 days	Wed 06/6/7	Sun 06/7/16	1.41,105,171	
Construction of hand railing, senting benches and natice boards	ISB days	141 06/2/LT	Sun 86/7/16		
Material submission	60 days	Firi 06/2/17	Mon 06/4/17		
Construction	90 days	Tue 06/4/18	Son 06/7/16	188	
Installation of feuder system	190 days	Sun 06/1/8	Sun 66/7/16		
Material submission	31 days	Shin D6/1/R	Tue 06/2/7		
Ordering of moterial	59 days	Wed 06/2/8	Fri 06/4/7	191	
Site werks	10:1 days	Sat 06/4/8	Sun 06/7/16	192	
Relocation of navigation light by Marine Dept.	92 days	Mon 06/4/17	Mon 06/7/17		
Application to Marine Department	91 days	Mon 06/4/17	Sunt 06/7/16		
Relocation	I day	Mon 06/7/17	Mon 06/7/17	150,195,195,386,169	
Commissioning of the pier	1 day	Tue 06/7/18	Tue 66/7/18	156	
Demotition of the temporary berth and the existing pier	141 days	Sun 06/3/19	Sun 06/8/6		
Survey to existing structure	3t days	Son 06/3/19	Tue 06/4/18		
Design and ICE checking of demolition plan	61 days	Wed 064/19	Sun 06/6/18	195	
Submission for Engineer's comments	30 days	Men 06/6/19	The 06/7/18	3865	
Education with local residents	30 days	Mon 06/6/19	Tue 06/7/18	260	
Demolition	19 days	Wed 06/7/19	Sim 95/8/6	197,242,201	
Maintenance Period for the Works	365 days	31on 06/8/7	Mon 17/8/6	203	

Chimago New Programmes (Mession 2)

North Tel:

Split

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Commonweet Miceros

Sugarry Sugarry

Completion Markons

22/22/2/22 Meintannor Reseal

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Page 6

Contractor: Kin Shing Construction Co. Ltd. Contract No.: CV/2004/02 Master Programme Commencement Date: 15th Nov 2004 Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 Section (1997) 1997 (1997) 199 o interesserate establishment de la contraction TO SECURISE SECURITION OF THE PRODUCTION OF THE PRODUCT OF THE PRO 32 CHRITICHES Chical Tata (See 1 & 2) 100000000000000 Critical Task (See 2) CHETTETTO PROPERTY PARKS Summary

Completion Milestone

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Critical Toric (Sep 1) ZZZZZZZZZZZ Ministantore Pedial

Rennd Tasa

Commercement Miloston:

antice No. CV-2050-02. Place Department Version 24

Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Master Programme Centract No.: CV/2004/02 Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 THE SAME AS A SAME WERE AREA THE ROOM WOMEN AND ARRANG AND ANALYSIS WHICH AND AREA TO A SAME A S 57 (\$247) 549 (1417) a Carrentenine to CHILLETTO CONTO Y XE-FEERSELESKAANGAUVENENNUENNUENNUEN SSR OF STREET, * ETHINETHER HELLER HITCHER #2663 es Millimitin Critical Task (Sire) & 2) B000000000000 Critical Task (Sire 2) STEELES STATES GREETHER PROPERTY Summery Namel Took

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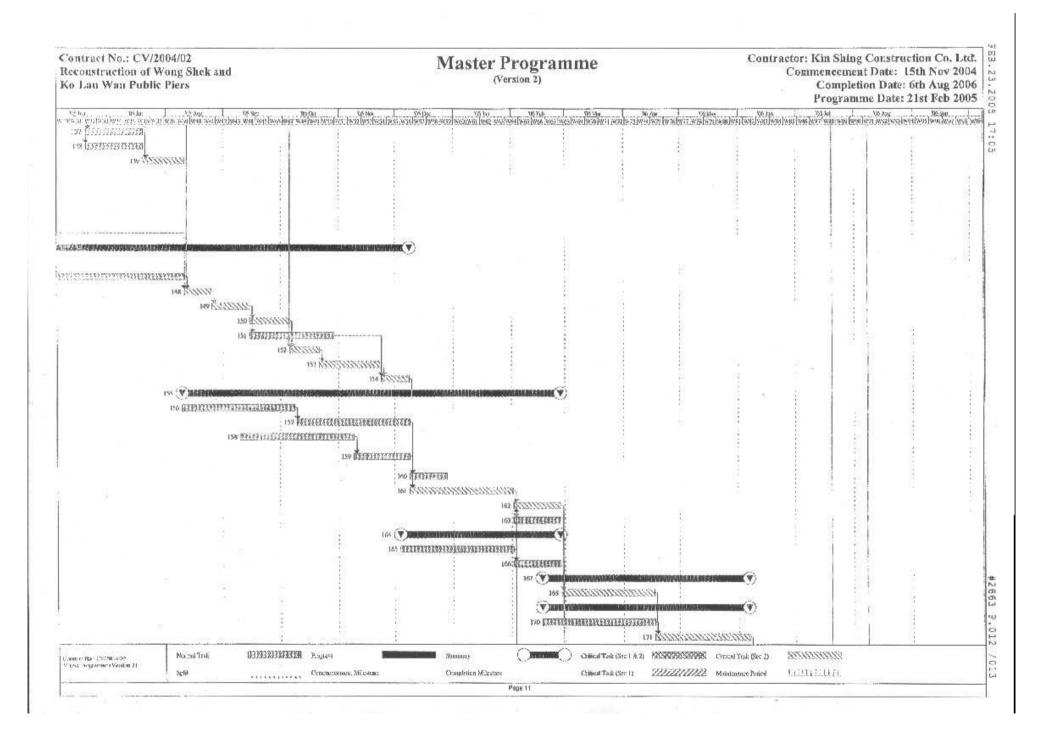
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Contractor: Kin Shing Construction Co. Ltd. Contract No.: CV/2004/02 Master Programme Commencement Date: 15th Nov 2004 Reconstruction of Wong Shek and (Version 2) Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 To Company the property of the contract of the 72 THE STREET OVERESCRIPT Y eltektisterferentettististen 75 ETRORYSBURYSBURYS TO UNDERSTREET PROPERTY OF THE PROPERTY OF THE PARTY OF T is decreases and account and alternation a TODINORUT KINDONINIA ss Therepresently PRESENTATION OF 88 Personapparisententententententen no Crigoriom con considerante de la constantión dos dos constantes de la constantión or attendentellengangeringentertriter OS (TA PERFERENCES EN LA PROPERTIE DE LA PROPE 98 FEFFERMANNIA WENTHER PROPERTY OF THE PARTY O 102 TELLEGISTES STATES QBlog Two (Ser 1 & 2) 8229256825968 Croint Tolk (Ser 2) TETHETTE [5325322322323] Frages Nerval link Centure, No. 425 (CHAO) DHILL CHANG VZZZZZZZZZA Maintennice Repol. Combittion Milliances Commencer and Miledone

Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Contract No.: CV/2004/02 Master Programme Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Plers Programme Date: 21st Feb 2005 105 (FEFETTOLITEER) 10) TREETERNALISMENTER MENTERS TREETERS. ICH (TEETETEEREEREERE) ROL ico francisco in the case are an acceptance of TIR [25225823] TO CHEST CHEST CONTRACT Y 28 282 119 - 52575 5575 V MERSHAMENANA V .watententer #2663 \$250 COOKERSON CHESTON SHARES 'n. 12302 No.mal Task (BILLIANIA) Progress STEEDERS ! Sumper Construction Sec. (19 2004-02) Moster Programmy - Version 25 Сомпаседан Мібаков VIII VIII Minimum Period Completion Militatens Crisk# Took (See 3) ELECTIVE III. Page 10



Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd. | 122 Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

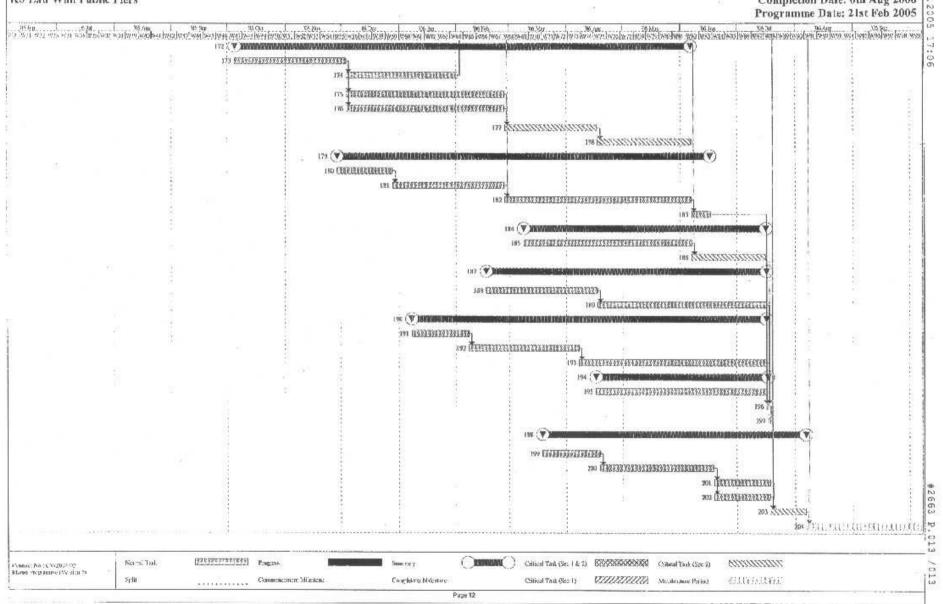
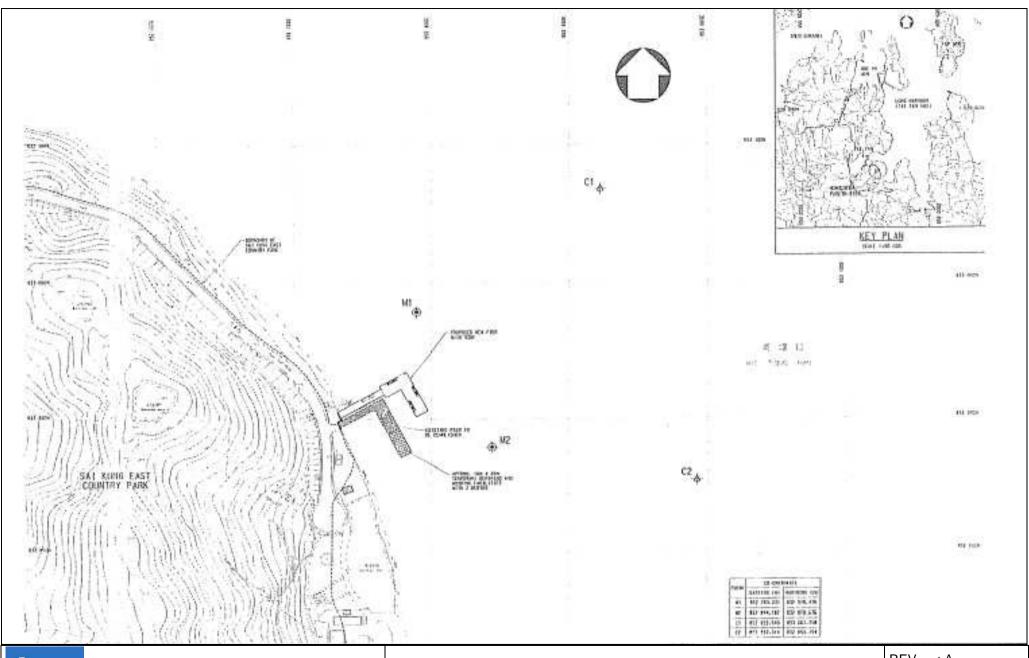




Figure 4.1

Layout of Environmental Monitoring Stations



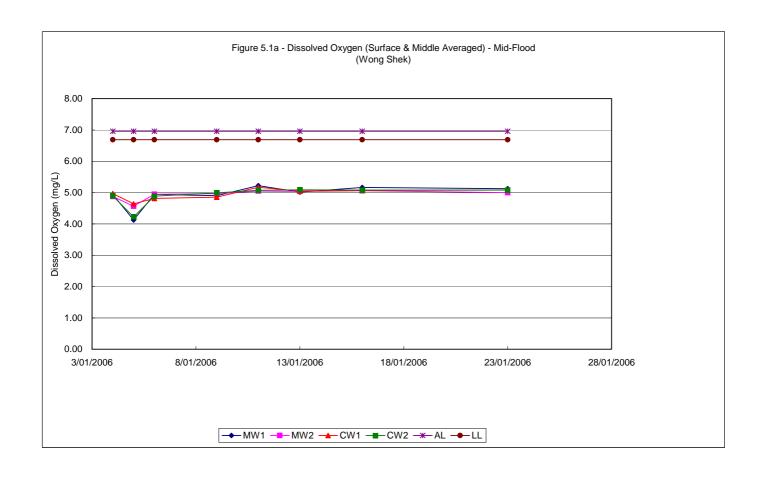
Lam Environmental Services
Test Specialists and Environmental Analysts

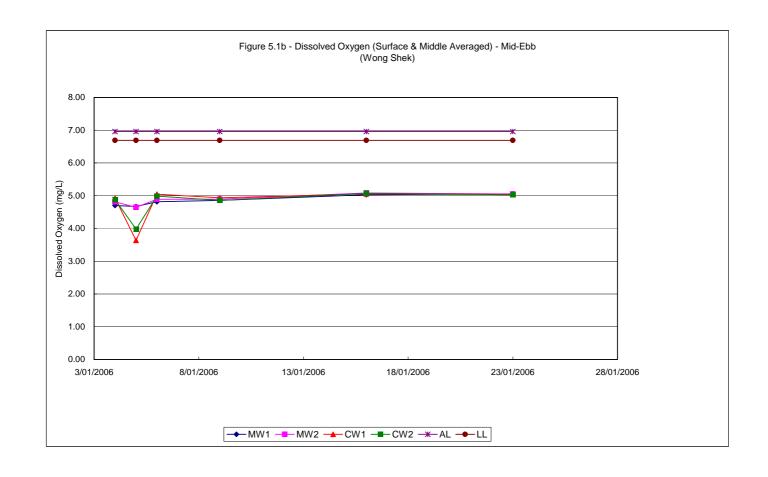
FIGURE 4.1 LAYOUT OF ENVIRONMENTAL MONITORING STATIONS (WONG SHEK)

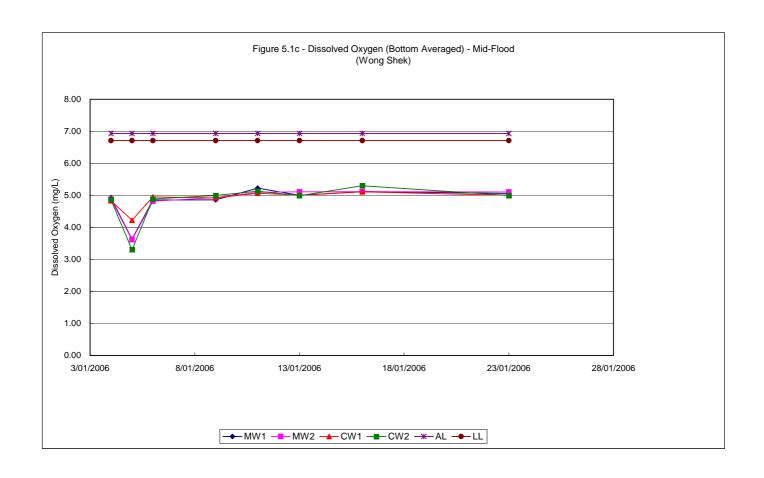
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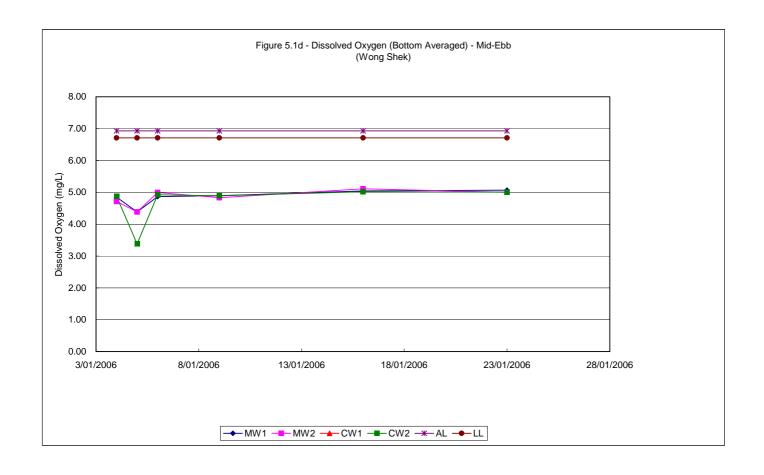


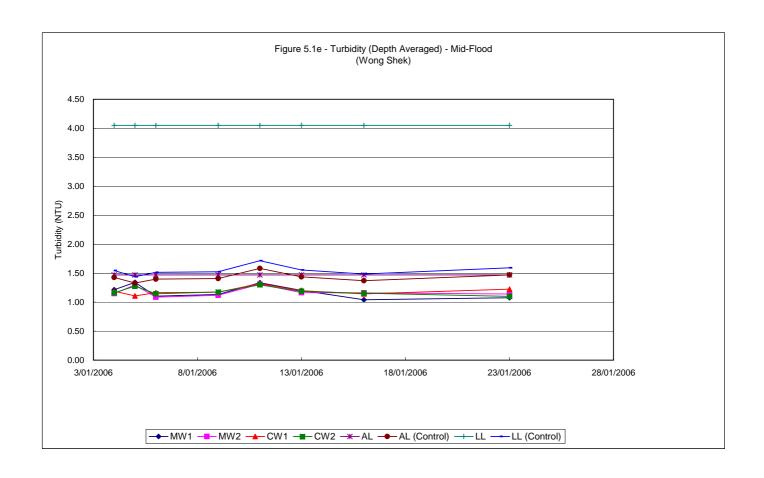
Graphical Plots of Water Quality Monitoring Results

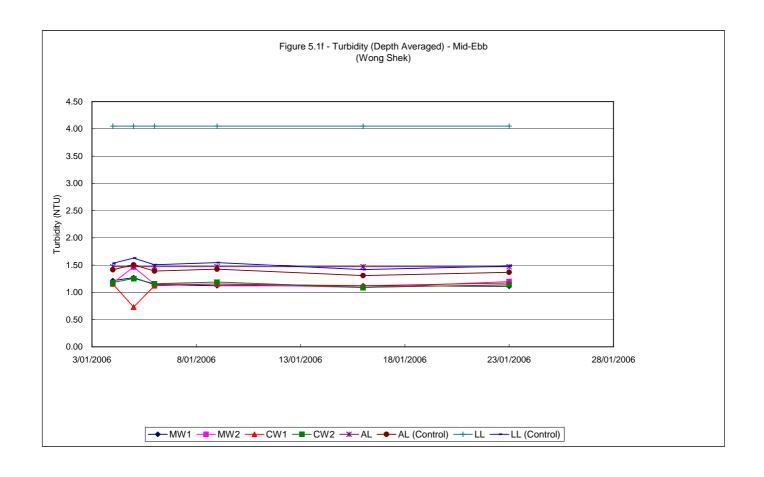


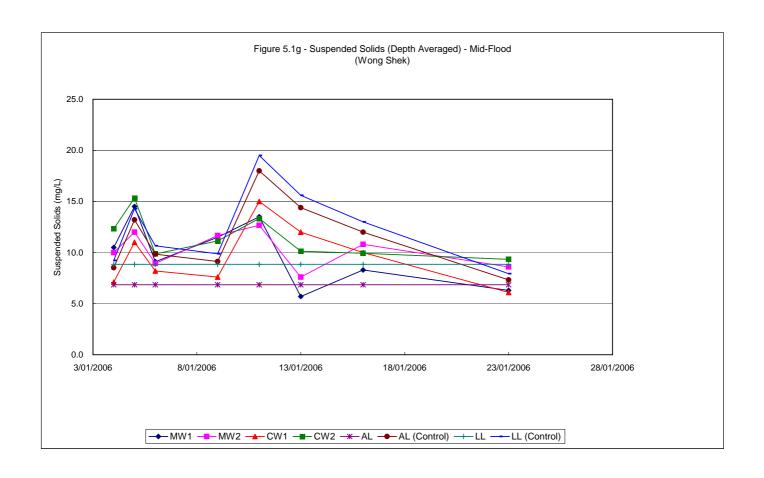


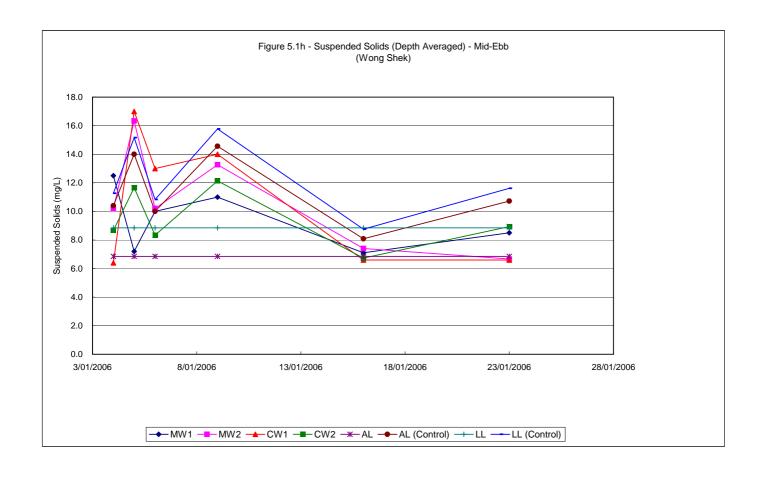












Appendix A

Organization Chart



Project Proponent

Civil Engineering and Development Civil Engineering Office Mr. David C. S. Leung

(Tel: 2760 5737; Fax: 2714 2054; Mobile: 96301235)

Environmental Team

Lam Environmental Services Mr. Raymond Dai Senior Environmental Scientist (Tel: 2975 3300; Fax: 2897 5509; Mobile: 9738 0738)

Independent Environmental Checker

MateriaLab Consultants Limited
Mr. Jason T. L. Poon
Manager

(Tel: 2452 7140; Fax: 2450 6138; Mobile: 9450 1968)

Main Contractor

Kin Shing Construction Co. Ltd.
Mr. Simon Fok
Site Agent

(Tel: 27296779; Fax: 2729 7858; Mobile: 60108730)

Appendix B

Implementation Schedule of Mitigation Measures

Implementation Schedule of Mitigation Measures - Wong Shek

Environmental Aspect	No.	Mitigation Measures	Implementation Status	Follow Up action(s)
Air Quality	AQ01	Provide a wash-pit or a wheel washing and/or vehicle cleaning facility at the exits.	Not applicable at this stage	-
	AQ02	Provide a hard surfaced road between the wheel washing facilities and any finished road.	Not applicable at this stage	-
	AQ03	No burning of construction wastes or vegetation shall be allowed on the Site.	Implemented	-
AQO		In the process of material handling, any material which has the potential to create dust shall be treated with water or sprayed with wetting agent.	Not applicable at this stage	-
	AQ05	Any vehicle with an open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards.	Not applicable at this stage	-
	AQ06	Materials 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.	Over 20 bags of cement were observed not covered when left idle on barge.	Enhance the sheeting protection against dust emission
	AQ07	Stockpiles of sand, aggregate and construction and demolition material greater than 20m³ shall be enclosed on three sides, with walls extending above the pile and 2 meters beyond the front of the pile.	Not applicable at this stage	-
	AQ08	Water sprays shall be provided and used both to dampen stored materials and when receiving raw materials.	Not applicable at this stage	-
	AQ09	Clean and water the Site to minimize the fugitive dust emissions.	Implemented	-
	AQ10	Furnace, boiler or other plant or equipment or use any fuel that might in any circumstances produce smoke or any other air pollution should not be installed.	Implemented	-
Noise	N01	All plant and equipment to be used on Site are properly maintained in good operating condition and noisy construction activities shall be effectively sound-reduced by means of silencers, mufflers, acoustic linings or shields, acoustic sheds or screens or other means to avoid disturbance to any nearby noise sensitive receivers.	Implemented	-
	N02	No excavator mounted breaker shall be used within 125m from any nearby noise sensitive receivers. Use hydraulic concrete crusher whenever applicable.	Implemented	-
	N03	All construction works should stop on Sundays and General Holidays.	Implemented	-
Water Quality	WQ01	Water in wheel washing facilities shall be changed at frequent intervals and sediments shall be removed regularly.	Not applicable at this stage	-
	WQ02	The polluted water from the wheel washing facilities would not be discharged into all existing stream courses/drains and nearby waterbodies.	Not applicable at this stage	-
	WQ03	All existing stream courses and drains within, and adjacent to the Site should be kept free from any debris and any excavated materials arising from the Works	Implemented	-
	WQ04	Chemicals and concrete agitator washings should not be deposited in watercourses.	Implemented	-
	WQ05	The effluent shall comply with the standards stated in the "Technical Memorandum on Standards and Effluent discharges into Drainage and Sewerage Systems, Inland and Coastal Waters" for the appropriate Water Control Zone.	Implemented	-
	WQ06	No spoil or debris of any kind is allowed to be pushed, washed down, fall or be deposited on land or on the seabed adjacent to the Site.	Waste packaging was observed floating on a pile cap.	Dispose the waste properly and maintain the area cleaned after work
	WQ07	Maintain any existing site drainage system at all times including removal of solids in sand traps, manholes and stream beds.	Implemented	-
	WQ08	Material from any earthworks should not be washed into the drainage system.	Implemented	-

CEDD Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Implementation Schedule of Mitigation Measures - Wong Shek

Environmental Aspect	No.	Mitigation Measures	Implementation Status	Follow Up action(s)
	WQ09	Silt curtain shall be provided during all demolition works and piling works with the Site.	Implemented	-
	WQ10	Silt curtain shall be formed from tough, abrasion-resistant permeable membranes suitable for the purpose, supported on floating booms in such a way as to ensure that the passage of turbid water to the surrounding water shall be restricted.	Implemented	-
	WQ11	No dredging and spoil dumping shall be conducted.	Not applicable at this stage	-
Ecology	E01	Marker buoys shall be set up to indicate the location of the "Coral Exclusion Zone". All working vessels shall be restricted to encroach the "Coral Exclusion Zone"	Implemented	-
	E02	No overloading of the working barges during operation and no movement of the working barges, particularly close to the pier and shallow areas, during low tide should be allowed.	Not applicable at this stage	-
	E03	No coral shall be enclosed by the silt curtain.	Not applicable at this stage	-
Waste	W01	All excavated materials should be sorted to recover the inert portions for reuse on site or disposal to designated outlets.	Not applicable at this stage	-
	W02	All metals should be recovered on site for collection by recycling contractors.	Implemented	-
	W03	All cardboard and paper packaging should be recovered on site, properly stockpiled in dry condition and covered to prevent cross contamination by other C&D materials.	Implemented	-
	W04	All demolition debris from demolition works should be sorted to recover on site broken concrete, reinforcement bars, mechanical and electrical fittings as well as other building services fittings/materials that have established recycling outlets.	Implemented	-

Appendix C

Calibration Certificates for Monitoring Equipment

Procedure IC34 Version 3 Date: 14 September 2005

Record sheet for calibration of Water Sonde

Item Stock No: FXDate of Calibration: (V(Plo5. Procedure Used: IC 34
Temp.: 32, 0, Operator: Signature:
A <u>Temperature Check</u>
Reference Equipment Used: Mercury-in-Glass thermometer Stock No.: (53
Reference Equipment reading: 34.0 °C Sonde reading %.0 °C
Reference Equipment reading: 23.6 °C Sonde reading: 23.6 °C
(Note: Difference between the two readings to be <0.5°C.)
B DO (% Saturation) Calibration
To be performed in aerated clean sea water before use and checked after use. Difference should be less than 10%.
Laboratory Check
Zero DO check (prepared in clean sea water according to APHA 4500-O G, section 3a.)
probe reading
C Conductivity (Salinity Calibration)
Standards Used: ppt , ,
Check Standard : ppt Readout Value : ppt
Difference between readout value and actual value should be less than 3%.
D <u>Conductivity Calibration</u>
Standards Used:,, (mS/cm)
Check Standard : Readout Value : (mS/cm)
Difference between readout value and actual value should be less than 2%.

Procedure IC34 Version 3 Date: 14 September 2005

E <u>Turbidity Calibration</u>		
Standards Used:,	, ,	(NTU)
Check Standard :	Readout Value :	(NTU)
Difference between readout value a	and actual value shoul	ld be less than 10%.
F <u>pH check</u>		
Standards Used : pH 7.00	, pH	
Buffer standard: pH <u> </u>		
QC Check Standard: pH 9.182.	Readout Value : pH	9.18.
Difference between readout value a	and actual value shoul	ld be +/- 0.03pH unit.
Certified by:	Date : <i>[</i>	& Systous

Procedure IC 51 Version No.: 1

Date: 30 December 2001

CALIBRATION OF BIOCHEMICAL OXYGEN DEMAND PROBE (BY WINKLER TITRATION)

Conducted by:	alibration Temperature : 22 C ate : 2819(05 ate : 29-195
---------------	--

(1) Standardization of sodium thiosulphate (Na₂S₂O₃) solution

	,	
	Trial 1	Trial 2
Final Vol. of Na ₂ S ₂ O ₃ used, mL		
Initial Vol. of Na ₂ S ₂ O ₃ used, mL		
Vol. of Na ₂ S ₂ O ₃ consumed (O), mL		
Normality of Na ₂ S ₂ O ₃ solution (N), N		
Average normality of Na ₂ S ₂ O ₃ solution	0.023	05
	standard 500	L on 2017/

Calculation:

N = 1/0

1.00

(2) Calibration of DO meter with distilled/deionised water

	Trial 1	Trial 2	Trial 3
Final Vol. of Na ₂ S ₂ O ₃ used, mL	(A.3) 23	33.8	45.7
Initial Vol. of Na ₂ S ₂ O ₃ used, mL	(03	72.5	33.8
Vol. of Na ₂ S ₂ O ₃ used (V), mL	12.0	11.5	11.4
Dissolved oxygen,(DO) mg/L	Rin.	7.18	7.05
Average of dissolved oxygen)	7.085	
DO determined by BOD probe		7.05	
Acceptance criteria, Deviation	Less	than +/- 0.3 mg	g DO/L

Calculation:

 $\mathbb{DO} (mg/L) = \mathbb{V} \times \mathbb{N} \times 7999.7/(300-2)$

Cortified by:

Procedure IC 51 Version No. : 1

Date: 30 December 2000

(3) Calibration of salinity compensator [10 ppt or 20 ppt]

	Trial 1	Trial 2	Trial 3
Final Vol. of Na ₂ S ₂ O ₃ used, mL	20.7	31.5	GA (1.4
Initial Vol. of Na ₂ S ₂ O ₃ used, mL	10.3	20.7	71.8
Vol. of $Na_2S_2O_3$ used (V), mL	10.4	105	(0.)
Dissolved oxygen,(DO) mg/L	6.44	6.50.	631
Average of dissolved oxygen		6.4).	
DO determined by BOD probe		633.	
Acceptance criteria, Deviation	Less than +/- 0.3 mg DO/L		g DO/L

Calculation:

$$DO(mg/L) = V \times N \times 7999.7/(300-2)$$

(4) Calibration of temperature compensator

	Trial 1	Trial 2
Temperature reading from BOD probe		
Temperature reading from reference thermometer ()		
Acceptance criteria, Deviation	Less than	+/- 1°C

(5) Linearity Check of BOD probe

	Reading form BOD probe	Result from Winker Titration
First point (7 – 9 mg/L)		
	• •	
Second point (4 - 6 mg/L)		
· · · · · · · · · · · · · · · · · · ·		
Third point (1 –3 mg/L)		
Linearity, R		
.		
Acceptance Criteria, R	R > 0.	996
,,,,,,	1	

Procedure IC34 Version 2 Date: 4 May 1999

Record sheet for calibration of Water Sonde

TUがはより. Item Stock No:Date of Calibration:28 日 (35I	
Temp.: γ Operator: γ Signature	e: All
A Temperature Check	
Reference Equipment Used: Mercury-in- Glass thermometer Sto	ock No.:
Reference Equipment reading:°C Sonde reading	°C
Reference Equipment reading : °C Sonde reading	:°C
(Note: Difference between the two readings to be <0.5°C.)	
B DO (% Saturation) Calibration To be performed in aerated clean sea water before use and check	sked after use Difference
should be less than 10%.	oked after use. Difference
Laboratory Check	
Zero DO check (prepared in clean sea water according to APHA 45	
probe reading %	In D.O. calibration
C Conductivity (Salinity Calibration)	In D.O. calibration vks: 10 ppt. stal. +> 10.35 ppt
Standards Used: ppt ,,	. 11,
Check Standard: 35 Fppt Readout Value: 35 35	ppt
Difference between readout value and actual value should be less t	han 3%.
D <u>Conductivity Calibration</u>	
Standards Used:,, (mS/cr	m) .
Check Standard: Readout Value:	(mS/cm)
Difference between readout value and actual value should be less t	han 2%.

Procedure IC34 Version 2

Date: 4 May 1999

E <u>lurbidity Calibration</u>		
Standards Used:,	,	(NTU)
Check Standard:	Readout Value :	(NTU)
Difference between readout value a	and actual value should	be less than 10%.
Certified by: Section Manager	Date:	305-ptor

Appendix D

Water Quality Monitoring Results

Project:	Contract	No. CV/2004/0	2 Recons	struction of V	Vong Shek and Ko Lau W	an Public Piers	Client:	Kin Shing	Construction	Co., Ltd.	Job No.:	J429
Date of	f Sampling	4/1/2006		_ w	eather Condition: Sunny		Ambie	nt Temper	rature,°C:	17	Tide State	: Mid-Flood
Station	Time	Sea	Overall	Sampling	Temperature °C Dissolv	red Ovvraen ma/l	Dissolved Oxyge	n %	Salinity not	Turbidity	NTH	Suspended Solid

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	9:15			1	16.8	16.8	4.93	4.95	4.94	65.9	66.3	66.1	35.3	35.3	1.19	1.27		11.0			
MW1 M	9:15	Small Wave	5	2.5					4.94			00.1					1.22			10.5	
MW1 B	9:17			4	16.4	16.4	4.92	4.92	4.92	66.4	66.3	66.4	35.2	35.2	1.36	1.04		10.0			
MW2 S	9:35			1	16.8	16.8	4.83	4.81	4.88	65.1	65.4	65.8	35.3	35.3	1.01	1.07		9.0			
MW2 M	9:36	Small Wave	10	5	16.5	16.5	4.95	4.91	4.00	66.2	66.4	05.8	35.3	35.3	1.26	1.24	1.15	10.0		10.0	
MW2 B	9:40			9	16.4	16.4	4.88	4.88	4.88	64.8	65.3	65.1	35.1	35.1	1.18	1.13		11.0			
CW1 S	9:55			1	16.9	16.9	4.97	4.97	4.97	65.6	65.2	65.4	35.3	35.3	1.27	1.09		7.0			
CW1 M	9:55	Small Wave	4	2					4.97			05.4					1.19			7.1	
CW1 B	9:56			3	16.5	16.5	4.85	4.81	4.83	64.3	64.8	64.6	35.3	35.3	1.26	1.14		7.2			
CW2 S	10:05		_	1	16.7	16.7	4.93	4.96	4.89	66.3	66.9	66.3	35.3	35.3	1.34	1.03		10.0			-
CW2 M	9:15	Small Wave	11	5.5	16.4	16.4	4.82	4.86	4.09	66.1	65.8	00.3	35.2	35.2	1.06	1.25	1.16	12.0		12.3	
CW2 B	9:17			10	16.4	16.4	4.87	4.85	4.86	65.4	65.6	65.5	35.1	35.1	1.11	1.17		15.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.4	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.2	ppt	Date:	11/1/2006
	Thermometer:	FM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 4/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 17 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	15:00			1	16.9	16.9	4.78	4.62	4.70	65.6	65.4	65.5	35.3	35.3	1.25	1.19		11.0			
MW1 M	15:00	Small Wave	4	2					4.70			05.5					1.22			12.5	
MW1 B	15:01			3	16.5	16.5	4.88	4.82	4.85	66.3	66.5	66.4	35.2	35.2	1.38	1.04		14.0			
MW2 S	15:08			1	16.7	16.7	4.80	4.77	4.81	66.8	66.3	66.4	35.4	35.4	1.07	1.25		7.4			
MW2 M	15:09	Small Wave	9	4.5	16.4	16.4	4.82	4.85	4.01	66.2	66.2	00.4	35.3	35.3	1.18	1.23	1.17	8.2		10.2	
MW2 B	15:12			8	16.2	16.2	4.69	4.74	4.72	65.3	65.4	65.4	35.1	35.1	1.26	1.04		15.0			
CW1 S	15:20			1					4.93			65.7									
CW1 M	15:20	Small Wave	3	1.5	16.8	16.9	4.92	4.94	4.93	65.8	65.6	05.7	35.3	35.3	1.09	1.22	1.16	6.4		6.4	
CW1 B	15:21			2					#DIV/0!			#DIV/0!									
CW2 S	15:30			1	16.6	16.6	4.83	4.86	4.88	64.4	65.0	65.1	35.4	35.4	1.28	1.39		9.0		_	
CW2 M	15:31	Small Wave	10	5	16.6	16.6	4.93	4.91	4.00	65.3	65.6	00.1	35.3	35.3	1.16	1.05	1.18	9.4		8.7	
CW2 B	15:35			9	16.5	16.5	4.85	4.90	4.88	66.3	66.6	66.5	35.1	35.1	1.17	1.03		7.6			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.4	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.2	ppt	Date:	11/1/2006
	Thermometer:	EM	6167					

Project:	Contract No	. CV/2004/02 Reconstruction	of Wong Shek and Ko Lau Wan Public Piers	Client:	Kin Shing Construction	Co., Ltd.	Job No.: <u>J429</u>
Date of	Sampling:	5/1/2006	Weather Condition: Cloudy	Ambie	ent Temperature,°C:	16	Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid:	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	11:04			1	18.2	18.4	4.36	4.38	4.13	71.4	71.3	69.0	33.4	33.2	1.27	1.30		17.0			
MW1 M	11:04	Small Wave	5	2.5	18.7	18.6	3.88	3.89	4.13	66.6	66.5	69.0	33.9	33.7	1.30	1.32	1.34			14.5	
MW1 B	11:06			4	19.0	19.2	3.62	3.64	3.63	64.0	64.2	64.1	34.2	34.4	1.42	1.44		12.0			
MW2 S	11:15			1	18.0	18.2	4.74	4.73	4.57	75.2	75.1	73.4	33.7	33.6	1.04	1.05		12.0			
MW2 M	11:16	Small Wave	10	5	18.5	18.4	4.39	4.40	4.57	71.7	71.4	73.4	34.0	34.4	1.34	1.33	1.30	10.0		12.0	
MW2 B	11:20			9	19.3	19.4	3.61	3.62	3.62	64.9	64.9	64.9	34.2	34.7	1.50	1.52		14.0			
CW1 S	10:55			1	18.1	18.0	4.64	4.64	4.64	74.2	74.2	74.2	33.4	33.2	0.94	0.96		11.0			
CW1 M	10:55	Small Wave	4	2					4.04			74.2					1.11			11.0	
CW1 B	10:56			3	18.3	18.5	4.24	4.21	4.23	70.2	70.3	70.3	34.9	34.6	1.27	1.26		11.0			
CW2 S	11:30			1	18.2	18.1	4.49	4.50	4.23	72.7	72.4	70.1	33.4	33.4	1.30	1.28		15.0		_	
CW2 M	11:31	Small Wave	11	5.5	18.5	18.7	3.96	3.95	4.23	67.4	67.9	70.1	33.5	33.3	1.42	1.41	1.28	17.0		15.3	
CW2 B	11:35			10	18.7	18.8	3.29	3.30	3.30	60.7	60.2	60.5	34.4	34.2	1.13	1.13		14.0			
CW2 B	11:35			10	18.7	18.8	3.29	3.30	3.30	60.7	60.2	60.5	34.4	34.2	1.13	1.13		14.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	Pong
	Turbidity Meter:	EM	2365	Calibration Check:	10.2	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.5	ppt	Date:	12/1/2006
	Thermometer:	FM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 5/1/2006 Weather Condition: Cloudy Ambient Temperature, °C: 16 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	d Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspen	ded Solid	ls, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	16:40			1	18.4	18.3	4.66	4.68	4.67	74.4	74.3	74.4	34.2	34.1	1.17	1.20		7.4			
MW1 M	16:40	Small Wave	4	2					4.07			74.4					1.27			7.2	
MW1 B	16:41			3	18.7	18.7	4.39	4.38	4.39	71.7	71.6	71.7	35.7	35.6	1.35	1.36		7.0			
MW2 S	16:49			1	18.2	18.3	4.87	4.86	4.65	76.5	76.4	74.3	34.5	34.4	1.20	1.23		17.0			
MW2 M	16:50	Small Wave	9	4.5	18.8	18.9	4.42	4.43	4.03	72.0	72.2	74.3	35.0	35.2	1.46	1.47	1.47	14.0		16.3	
MW2 B	16:53			8	18.9	19.0	4.38	4.39	4.39	71.6	71.6	71.6	35.9	35.9	1.72	1.71		18.0			
CW1 S	16:28			1					3.64			64.2									
CW1 M	16:28	Small Wave	3	1.5	18.5	18.6	3.64	3.63	3.04	64.2	64.1	04.2	33.4	33.5	0.72	0.74	0.73	17.0		17.0	
CW1 B	16:29			2					#DIV/0!			#DIV/0!									
CW2 S	17:02			1	18.3	18.4	4.16	4.17	3.98	69.4	69.3	67.5	33.2	33.2	0.92	0.93		12.0			
CW2 M	17:03	Small Wave	10	5	18.4	18.5	3.79	3.80	3.96	65.7	65.6	67.5	34.8	34.8	1.26	1.27	1.25	12.0		11.7	
CW2 B	17:07			9	18.6	18.6	3.37	3.39	3.38	61.5	61.6	61.6	34.9	34.8	1.57	1.57		11.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	Pong
	Turbidity Meter:	EM	2365	Calibration Check:	9.8	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:		ppt	Date:	12/1/2006
	Thermometer	EN4	6467					

Project: Conti	ract No. CV/2004/02 Reconstruction	of Wong Shek and Ko Lau Wan Public Piers	Client:	Kin Shing Construction Co., Ltd.	Job No.: J429
Date of Samo	olina: 6/1/2006	Weather Condition: Sunny	 Amhi	ent Temperature °C: 18	Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	d Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	9:40			1	17.4	17.4	4.93	4.96	4.95	64.3	64.5	64.4	35.3	35.3	1.07	0.98		7.2			
MW1 M	9:40	Small Wave	5	2.5					4.93			04.4					1.11			9.1	
MW1 B	9:42			4	17.4	17.4	4.83	4.88	4.86	63.2	63.7	63.5	35.2	35.2	1.23	1.14		11.0			
MW2 S	9:50			1	17.5	17.5	4.93	4.95	4.95	64.5	65.2	64.9	35.3	35.3	1.06	1.29		8.0			
MW2 M	9:52	Small Wave	10	5	17.3	17.3	4.94	4.97	4.93	64.9	64.8	04.9	35.3	35.3	1.07	1.02	1.09	10.0		8.9	
MW2 B	9:54			9	17.2	17.2	4.83	4.80	4.82	63.7	63.5	63.6	35.2	35.2	0.93	1.15		8.8			
CW1 S	10:00			1	17.4	17.4	4.82	4.81	4.82	64.4	64.0	64.2	35.3	35.3	1.23	1.15		6.6			
CW1 M	10:03	Small Wave	4	2					4.02			04.2					1.17			8.2	
CW1 B	10:05			3	17.4	17.4	4.93	4.97	4.95	63.2	63.8	63.5	35.2	35.2	1.22	1.06		9.8			
CW2 S	10:10			1	17.5	17.5	4.86	4.84	4.89	64.0	63.7	64.6	35.3	35.3	1.43	1.06		6.6			
CW2 M	10:12	Small Wave	11	5.5	17.3	17.3	4.93	4.91	00	65.2	65.3	3 1.0	35.3	35.3	1.23	1.01	1.15	11.0		9.9	
CW2 B	10:16			10	17.2	17.2	4.90	4.87	4.89	65.4	65.6	65.5	35.1	35.2	1.10	1.04		12.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sample	ed By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.3	NTU	Checke	ed By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.4	ppt	Date:		13/1/2006
	Thermometer:	EM	6167						

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 6/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 18 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	d Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	15:30			1	17.5	17.5	4.81	4.82	4.82	63.4	63.5	63.5	35.4	35.4	1.26	1.18		7.0			
MW1 M		Small Wave	4	2					4.02			03.3					1.14			10.0	
MW1 B	15:31			3	17.3	17.3	4.85	4.88	4.87	64.4	64.5	64.5	35.2	35.2	1.04	1.09		13.0			
MW2 S	15:40			1	17.6	17.6	4.97	4.93	4.89	64.8	65.0	64.2	35.3	35.3	1.23	1.17		9.8			
MW2 M	15:41	Small Wave	9	4.5	17.4	17.4	4.83	4.83	4.03	63.7	63.2	04.2	35.3	35.3	1.04	1.26	1.15	7.8		10.2	
MW2 B	15:44			8	17.2	17.2	4.95	5.04	5.00	64.6	64.9	64.8	35.2	35.2	1.17	1.03		13.0			
CW1 S	15:50			1					5.05			64.9									
CW1 M		Small Wave	3	1.5	17.5	17.5	5.06	5.03	0.00	64.9	64.8	04.5	35.3	35.3	1.01	1.23	1.12	13.0		13.0	
CW1 B	15:53			2					#DIV/0!			#DIV/0!									
CW2 S	16:00			1	17.6	17.6	4.97	4.91	4.99	64.8	64.8	35.0	35.4	35.4	1.33	1.21		8.4			
CW2 M	16:02	Small Wave	10	5	17.4	17.4	5.06	5.01	7.55	65.3	65.1	33.0	35.3	35.3	1.08	1.02	1.16	7.8		8.3	
CW2 B	16:05			9	17.3	17.3	4.93	4.92	4.93	64.4	64.2	64.3	35.2	35.2	1.12	1.19		8.8			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.3	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.4	ppt	Date:	13/1/2006
	Thermometer:	EM	6167					

Project: Co	ontract No.	CV/2004/02 Reconstruction of	of Wong Shek and Ko Lau Wan Public Piers	Client:	Kin Shing Construction	Co., Ltd.	Job No.:	J429	
Date of Sa	amplina:	9/1/2006	Weather Condition: Sunny	Amhie	ent Temperature °C:	18	Tide State:	Mid-Flood	

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	d Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	14:20			1	17.4	17.4	4.97	4.83	4.90	61.2	61.5	61.4	35.2	35.2	1.16	1.20		11.0			
MW1 M	14:20	Small Wave	5	2.5					4.90			01.4					1.13			11.5	
MW1 B	14:22			4	17.3	17.3	4.82	4.90	4.86	60.8	60.9	60.9	35.2	35.2	1.04	1.13		12.0			
MW2 S	14:00			1	17.4	17.4	5.00	5.02	4.97	62.5	61.9	61.9	35.2	35.2	1.10	1.05		8.0			
MW2 M	14:01	Small Wave	10	5	17.2	17.2	4.94	4.90	4.57	61.5	61.6	01.9	35.2	35.1	0.97	1.23	1.12	10.0		11.7	
MW2 B	14:05			9	17.1	17.1	4.95	4.91	4.93	61.3	61.7	61.5	35.2	35.2	1.14	1.23		17.0			
CW1 S	14:30			1	17.4	17.4	4.86	4.85	4.86	60.8	61.2	61.0	35.2	35.2	1.07	1.29		7.0			
CW1 M	14:30	Small Wave	4	2					4.00			01.0					1.17			7.6	
CW1 B	14:31			3	17.4	17.4	4.91	4.93	4.92	61.6	61.6	61.6	35.2	35.2	1.22	1.11		8.2			
CW2 S	14:10			1	17.4	17.4	5.03	5.00	4.99	62.3	62.0	61.8	35.2	35.2	1.10	1.33		12.0			
CW2 M	14:11	Small Wave	11	5.5	17.2	17.2	4.97	4.96	4.55	61.2	61.5	01.0	35.2	35.2	1.09	1.14	1.18	8.4		11.1	
CW2 B	14:15			10	17.2	17.2	4.98	5.01	5.00	61.9	61.4	61.7	35.2	35.2	1.27	1.13		13.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.3	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.4	ppt	Date:	16/1/2006
	Thermometer:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Client: Kin Shing Construction Co., Ltd.

Job No.: J429

Date of Sampling: 9/1/2006

Weather Condition: Sunny

Ambient Temperature, °C: 18

Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid	ls, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	9:20			1	17.3	17.3	4.85	4.86	4.86	61.9	61.3	61.6	35.2	35.2	1.08	1.13		7.0			
MW1 M	9:20	Small Wave	4	2					4.00			01.0					1.12			11.0	
MW1 B	9:21			3	17.2	17.2	4.91	4.88	4.90	62.2	62.0	62.1	35.2	35.2	1.20	1.07		15.0			
MW2 S	9:00			1	17.3	17.3	4.90	4.86	4.90	61.7	61.8	62.0	35.2	35.2	1.09	0.98		9.8			
MW2 M	9:01	Small Wave	9	4.5	17.0	17.0	4.91	4.91	4.90	62.2	62.2	02.0	35.2	35.2	1.14	1.23	1.15	13.0		13.3	
MW2 B	9:04			8	16.9	16.9	4.84	4.82	4.83	61.5	61.3	61.4	35.1	35.1	1.27	1.19		17.0			
CW1 S				1					4.94			62.3									
CW1 M	0:00	Small Wave	3	1.5	17.3	17.3	4.95	4.92	4.94	62.4	62.2	02.3	35.2	35.2	1.07	1.24	1.16	14.0		14.0	
CW1 B	0:01			2					#DIV/0!			#DIV/0!									
CW2 S	9:10			1	17.3	17.3	4.90	4.82	4.86	62.3	62.5	35.0	35.2	35.2	1.17	1.14		14.0			
CW2 M	9:11	Small Wave	10	5	17.1	17.1	4.85	4.85	4.00	61.5	61.8	35.0	35.2	35.2	1.36	1.23	1.19	8.4		12.1	
CW2 B	9:15			9	17.1	17.1	4.92	4.86	4.89	62.4	61.9	62.2	35.1	35.1	1.06	1.17		14.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.3	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.4	ppt	Date:	16/1/2006
	Th		0407					

-	Contract I	No. CV/2004/0	2 Recons	truction of V	long She	k and Ko	Lau Wa	n Public	Piers	-	Client:	Kin Shing	Constru	ction Co.	, Ltd.	-	Job No.:	J429			
Date of	Sampling:	11/1/2006		. w	eather C	ondition:	Sunny			-	Ambie	nt Tempera	ature,°C:	19		. 1	Tide State:	Mid-Floo	od		
Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	,,,		Dissolve	d Oxyge		Salinity,		Turbidity			Suspend	ded Solid		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	15:50			1	17.2	17.2	5.16	5.28	F 00	65.6	65.6	05.0	34.9	34.9	1.34	1.46		13.0			
MW1 M	15:50	Small Wave	5	2.5					5.22			65.6					1.34			13.5	
MW1 B	15:52			4	17.1	17.1	5.22	5.23	5.23	67.4	67.5	67.5	34.9	34.9	1.23	1.31		14.0			
MW2 S	15:30			1	17.0	17.0	5.04	5.08	5.05	62.6	63.1	63.9	34.9	34.9	1.44	1.32		10.0			
MW2 M	15:31	Small Wave	10	5	16.9	16.9	5.05	5.02	0.00	65.1	64.8	00.0	34.9	34.9	1.26	1.41	1.31	13.0		12.7	
MW2 B	15:35			9	16.9	16.9	5.13	5.06	5.10	65.3	65.6	65.5	35.0	35.0	1.19	1.24		15.0			
CW1 S	16:00			1	17.1	17.1	5.16	5.18	5.17	65.8	65.5	65.7	34.9	34.9	1.39	1.31		13.0			
CW1 M	16:00	Small Wave	4	2													1.32			15.0	
CW1 B	16:01			3	17.0	17.0	5.06	5.07	5.07	64.8	65.3	65.1	34.9	34.9	1.22	1.36		17.0			
CW2 S	15:40			1	17.0	17.0	5.11	5.04	5.08	64.4	65.1	65.0	34.9	34.9	1.46	1.37		12.0			
CW2 M	15:41	Small Wave	11	5.5	17.0	17.0	5.07	5.08		65.3	65.3		34.9	34.9	1.15	1.29	1.30	10.0		13.3	
CW2 B	15:45			10	16.9	16.9	5.16	5.10	5.13	65.9	66.2	66.1	34.9	34.9	1.17	1.35		18.0			
Suspected	d red-tides	was observe	d during th	e mid-flood	tide.																
Equipmen	t used:	Dissolved Ox	ygen Mete	er:	EM	6167		Calibrati	ion Check:		100	100%:					Sampled	Ву:	伊		
		Turbidity Met	er:		EM	2365	•	Calibrati	ion Check:		9.6	NTU					Checked	Ву:	Raymon	d	
		Salinity Mete	r:		EM	6167	•	Calibrati	ion Check:		35.5	ppt					Date:		18/1/200	06	
		Thermomete	r:		EM	6167	•														
Project:	Contract I																				
		No. CV/2004/0	2 Recons	truction of V	ong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Constru	ction Co.	, Ltd.		Job No.:	J429			
Date of		No. CV/2004/0		truction of V		ek and Ko		n Public	Piers	-		Kin Shing				-	Job No.: Tide State:		at 05:10		
T.					eather C		Sunny			-		nt Tempera		20		- 1		Mid-Ebb	at 05:10		Remarks
	Sampling:	11/1/2006		W	eather C	ondition:	Sunny			-	Ambie	nt Tempera	ature,°C:	20		- 1		Mid-Ebb			Remarks
	Sampling:	11/1/2006 Sea	Overall	W	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average	Dissolve	Ambie ed Oxyge	nt Tempera n, % Average	ature,°C:	20 ppt	Turbidity	/, NTU	Tide State:	Mid-Ebb		s, mg/L Depth	Remarks
Station	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m	eather C	ondition:	Sunny	d Oxyge	n, mg/L	Dissolve	Ambie ed Oxyge	nt Tempera	ature,°C:	20 ppt	Turbidity	/, NTU	Tide State:	Mid-Ebb		s, mg/L Depth	Remarks
Station MW1 S	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average	Dissolve	Ambie ed Oxyge	nt Tempera n, % Average	ature,°C:	20 ppt	Turbidity	/, NTU	Average	Mid-Ebb		s, mg/L Depth Average	Remarks
Station MW1 S MW1 M	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	nt Tempera n, % Average #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average	Mid-Ebb		s, mg/L Depth Average	Remarks
Station MW1 S MW1 M MW1 B	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0!	Dissolve	Ambie ed Oxyge	n, % Average #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average	Mid-Ebb		s, mg/L Depth Average	Remarks
Station MW1 S MW1 M MW1 B	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	nt Tempera n, % Average #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	#DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0 -1	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	mt Tempera n, % Average #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0 -1 1	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	#DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0 -1 0 0	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B	Sampling:	11/1/2006 Sea	Overall	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 1	eather C	ondition:	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie ed Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0! #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling:	11/1/2006 Sea Condition	Overall Depth, m	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 -1 1 -1 1	eather C Tempera a	ature, °C b	Sunny Dissolve a	b b	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie d Oxyge b	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	#DIV/0! #DIV/0! #DIV/0!	Mid-Ebb	ded Solid	s, mg/L Depth Average #DIV/0! #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M	Sampling:	11/1/2006 Sea Condition Dissolved Ox	Overall Depth, m	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 -1 1 -1 1	eather C Tempera a	ondition: ature, °C b	Dissolve a	b b	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie d Oxyge b	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	#DIV/0! #DIV/0! #DIV/0!	Mid-Ebb	ded Solid	#DIV/0! #DIV/0! #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling:	11/1/2006 Sea Condition Dissolved Ox Turbidity Met	Overall Depth, m	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 -1 1 -1 1	eather C Tempera a	ondition: ature, °C b 6167 2365	Sunny Dissolve a	b b Calibrati	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie d Oxyge b	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	#DIV/0! #DIV/0! #DIV/0! Sampled Checked	Mid-Ebb	ded Solid	s, mg/L Depth Average #DIV/0! #DIV/0! #DIV/0!	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling:	11/1/2006 Sea Condition Dissolved Ox	Overall Depth, m	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 -1 1 -1 1	eather C Tempera a	ondition: ature, °C b	Sunny Dissolve a	b b Calibrati	n, mg/L Average #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	Dissolve	Ambie d Oxyge b	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	/, NTU	#DIV/0! #DIV/0! #DIV/0!	Mid-Ebb	ded Solid	s, mg/L Depth Average #DIV/0! #DIV/0! #DIV/0!	Remarks

Project:	Contract	No. CV/2004/0	02 Recons	truction of V	Vong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construc	ction Co.	, Ltd.		Job No.:	J429	_		
Date of	Sampling:	13/1/2006		_ w	/eather C	ondition:	Sunny				Ambie	nt Tempera	ature,°C:	20		. 1	Γide State:	Mid-Floo	od	_	
Station	Time	Sea	Overall	Sampling	Temper	ature, °C	Dissolve	d Oyyne	n ma/l	Dissolve	d Oxyge	n %	Salinity,	nnt	Turbidity	/ NTII		Suspen	ded Solid	ls ma/l	Remarks
Otation	Time	Condition	Depth, m		а	b	а	b	Average	а		Average	а	b	а	b	Average	Сизрен	ucu Ooliu	Depth Average	remains
MW1 S	17:20			1	17.6	17.6	5.03	5.00	5.00	65.4	65.3	05.4	35.1	35.1	1.11	1.21		7.2			
MW1 M	17:20	Small Wave	5	2.5					5.02			65.4					1.20			5.7	
MW1 B	17:22			4	17.6	17.6	4.98	5.02	5.00	65.1	65.0	65.1	35.1	35.1	1.26	1.23		4.2			
MW2 S	17:00			1	17.6	17.5	4.97	4.97	5.04	65.2	64.7	65.1	35.1	35.1	1.33	1.14		10.0			
MW2 M	17:01	Small Wave	10	5	17.0	17.0	5.09	5.12	5.04	65.3	65.1	65.1	35.1	35.0	1.18	1.03	1.17	5.4		7.6	
MW2 B	17:05			9	16.7	16.7	5.10	5.12	5.11	66.1	66.3	66.2	35.1	35.1	1.07	1.24		7.4			
CW1 S	17:30			1	17.6	17.6	5.04	5.06	5.05	65.4	65.1	65.3	35.1	35.1	1.19	1.26		13.0			
CW1 M	17:30	Small Wave	4	2					5.05			05.5					1.20			12.0	
CW1 B	17:31			3	17.6	17.6	5.03	4.98	5.01	65.4	65.2	65.3	35.1	35.1	1.24	1.10		11.0			
CW2 S	17:10			1	17.6	17.6	5.13	5.16	5.09	65.9	66.3	65.7	35.1	35.1	1.24	1.31		8.6			
CW2 M	17:11	Small Wave	9	4.5	17.0	17.1	5.04	5.03	3.09	65.2	65.4	03.7	35.1	35.1	1.16	1.19	1.19	13.0		10.1	
CW2 B	17:14			8	16.8	16.8	4.97	5.01	4.99	65.2	65.2	65.2	35.1	35.1	1.17	1.04		8.8			
Equipmer	it used:	Dissolved Ox	kygen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled	By:	伊		-
		Turbidity Met	ter:		EM	2365		Calibrati	on Check:		10.6	NTU					Checked	Ву:	Raymon	ıd	-
		Salinity Mete	r:		EM	6167		Calibrati	on Check:		35.3	ppt					Date:		20/1/200	06	-
		Thermomete	r:		EM	6167															
					LIVI	0107															
Project:	Contract	No. CV/2004/0		truction of V			Lau Wa	n Public	Piers	<u>-</u>	Client:	Kin Shing	Construc	ction Co.	, Ltd.	<u>-</u>	Job No.:	J429	_		
		No. CV/2004/0	02 Recons			k and Ko		n Public	Piers			Kin Shing					Job No.: Fide State:		at 06:38	<u> 1</u>	
Date of	Sampling:	: 13/1/2006	02 Recons	_ w	Vong She	ek and Ko	Sunny			Dissolve	Ambie	nt Tempera	ature,°C:	20		. 1		Mid-Ebb		-	Remarks
			02 Recons	N Sampling	Vong She	k and Ko	Sunny	d Oxyge		Dissolve a	Ambier d Oxyger	nt Tempera		20		, NTU		Mid-Ebb	at 06:38	ls, mg/L Depth	Remarks
Date of	Sampling:	: 13/1/2006 Sea	02 Recons	N Sampling	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average		Ambier d Oxyger	nt Tempera n, % Average	ature,°C:	20 ppt	Turbidity	, NTU	Fide State:	Mid-Ebb		ls, mg/L	Remarks
Date of Station	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L		Ambier d Oxyger	nt Tempera	ature,°C:	20 ppt	Turbidity	, NTU	Fide State:	Mid-Ebb		ls, mg/L Depth	Remarks
Station MW1 S	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average		Ambier d Oxyger	nt Tempera n, % Average	ature,°C:	20 ppt	Turbidity	, NTU	Average	Mid-Ebb		ls, mg/L Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average	Mid-Ebb		ls, mg/L Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average #DIV/0!		Ambier d Oxyger	n, % Average #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average	Mid-Ebb		ls, mg/L Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m 1 0 -1	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0!	Mid-Ebb		ls, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m 1 0 -1 1 0	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0!	Mid-Ebb		ls, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m 1 0 -1 1 0 -1	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	m, mg/L Average #DIV/0! #DIV/0!		Ambier d Oxyger	mt Tempera n, % Average #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0!	Mid-Ebb		ls, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m 1 0 -1 1 0 -1 1 1	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	n, mg/L Average #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M	Sampling:	: 13/1/2006 Sea	02 Recons	Nampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m 1 0 -1 1 0 -1 1 0 -1	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		s, mg/L Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 B CW1 S CW1 M CW1 B	Sampling:	: 13/1/2006 Sea	02 Recons	Nampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		#DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M CW1 S CW1 M CW1 B CW2 S CW2 M	Sampling:	: 13/1/2006 Sea	02 Recons	Sampling Depth,m	Vong She	ek and Ko ondition: ature, °C	Sunny	d Oxyge	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		#DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M CW1 S CW1 M CW1 B CW2 S CW2 M	Sampling:	: 13/1/2006 Sea	Overall Depth, m	Nampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1	Vong She	ek and Ko ondition: ature, °C	Dissolve a	b b	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambier d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	Average #DIV/0! #DIV/0!	Mid-Ebb		#DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling:	Sea Condition	Overall Depth, m	Nampling Depth,m 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1 1 0 -1	Vong She	ondition:	Dissolve a	d Oxyger	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!		Ambiel d Oxygei	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	ature,°C:	20 ppt	Turbidity	, NTU	#DIV/0! #DIV/0! #DIV/0!	Mid-Ebb	ded Solid	#DIV/0! #DIV/0! #DIV/0!	Remarks

EM 6167

Thermometer:

	Compling:		Weather Condition: Supply	_	ont Tomporaturo °C:		Tido Stato:	
Project:	Contract No	o. CV/2004/02 Reconstruction	of Wong Shek and Ko Lau Wan Public Piers	Client:	Kin Shing Construction	n Co., Ltd.	Job No.:	J429

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	d Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	18:35			1	18.4	18.3	5.17	5.16	5.17	65.9	65.4	65.7	35.1	35.1	0.92	1.12		8.0			
MW1 M	18:35	Small Wave	5	2.5					5.17			65.7					1.04			8.3	
MW1 B	18:37			4	17.8	17.6	5.12	5.11	5.12	65.8	65.9	65.9	35.1	35.1	1.09	1.04		8.6			
MW2 S	18:15			1	18.5	18.5	5.04	5.04	5.06	66.3	66.0	64.8	35.2	35.2	1.13	1.20		12.0			
MW2 M	18:16	Small Wave	10	5	17.7	17.7	5.09	5.07	3.00	63.5	63.2	04.8	35.2	35.2	1.07	1.23	1.16	13.0		10.8	
MW2 B	18:20			9	17.3	17.2	5.10	5.13	5.12	65.0	64.7	64.9	35.2	35.2	1.29	1.04		7.4			
CW1 S	18:45			1	18.4	18.4	5.08	5.05	5.07	66.4	66.5	66.5	35.1	35.1	1.13	0.95		8.0			
CW1 M	18:45	Small Wave	4	2					5.07			00.5					1.14			10.0	
CW1 B	18:46			3	17.8	17.8	5.10	5.12	5.11	66.8	66.5	66.7	35.1	35.1	1.26	1.23		12.0			
CW2 S	18:25			1	18.4	18.4	4.95	4.96	5.08	64.9	64.6	66.1	35.1	35.1	1.22	1.30		5.8			
CW2 M	18:26	Small Wave	11	5.5	17.8	17.8	5.20	5.21	5.06	67.3	67.6	00.1	35.1	35.1	1.05	1.08	1.16	12.0		9.9	
CW2 B	18:30			10	17.2	17.2	5.30	5.30	5.30	67.9	68.0	68.0	35.1	35.1	1.10	1.18		12.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.6	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.1	ppt	Date:	23/1/2006
	Thermometer:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 16/1/2006 Weather Condition: Sunny Ambient Temperature, C: 19 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid	ls, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	13:20			1	18.5	18.5	5.04	5.02	5.03	65.3	64.9	65.1	35.0	35.0	1.21	1.16		6.6			
MW1 M	13:20	Small Wave	4	2					5.03			05.1					1.12			7.1	
MW1 B	13:21			3	17.6	17.7	5.06	5.03	5.05	65.1	65.2	65.2	35.0	35.0	1.03	1.08		7.6			
MW2 S	13:00			1	18.5	18.5	5.13	5.07	5.08	65.6	65.9	65.7	35.1	35.1	1.05	1.06		9.4			
MW2 M	13:01	Small Wave	9	4.5	17.8	17.9	5.06	5.07	5.06	65.5	65.6	05.7	35.0	35.0	1.23	1.14	1.09	6.2		7.4	
MW2 B	13:04			8	17.5	17.5	5.12	5.10	5.11	66.1	66.3	66.2	35.1	35.0	0.95	1.10		6.6			
CW1 S	13:30			1					5.06			65.4									
CW1 M	13:30	Small Wave	3	1.5	18.4	18.5	5.04	5.07	3.00	65.3	65.5	05.4	35.0	35.0	1.16	1.08	1.12	6.6		6.6	
CW1 B	13:31			2					#DIV/0!			#DIV/0!									
CW2 S	13:10			1	18.4	18.4	5.11	5.07	5.07	65.2	65.8	65.4	35.0	35.0	1.22	1.21		6.4			
CW2 M	13:11	Small Wave	10	5	17.8	17.8	5.04	5.06	5.07	65.4	65.2	03.4	35.0	35.0	1.04	1.00	1.09	7.2		6.7	
CW2 B	13:15			9	17.4	17.5	5.04	5.00	5.02	65.3	65.7	65.5	35.0	35.1	0.94	1.13		6.6			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.6	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.1	ppt	Date:	23/1/2006
	Thermometer:	EM	6167					

								•					`	ong		,					
Project:	Contract	No. CV/2004/	02 Recons	truction of V	Vong She	ek and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Constru	ction Co.	, Ltd.	•	Job No.:	J429	-		
Date of	Sampling:	23/1/2006		_ W	eather C	ondition:	Cloudy	35.1			Ambie	nt Tempera	ature,°C:	18			Tide State:	Mid-Flo	od	-	
Station	Time	Sea Condition	Overall Depth, m	Sampling Depth.m	Tempera	ature, °C b	Dissolve a	d Oxyge b	n, mg/L Average	Dissolve a	d Oxyge b	n, % Average	Salinity, a	ppt b	Turbidity a	, NTU b	Average	Suspen	ded Solid	ls, mg/L Depth	Remarks
		1	1						1								1		T .	Average	
MW1 S	12:30			1	17.5	17.5	5.12	5.13	5.13	63.8	64.4	64.1	35.3	35.3	1.06	0.84	4	2.8			
MW1 M	12:30	Small Wave	5	2.5													1.08			6.3	
MW1 B	12:32			4	17.4	17.4	5.04	5.08	5.06	61.9	61.5	61.7	35.1	35.1	1.23	1.18		9.8			
MW2 S	12:10			1	17.7	17.7	5.08	5.03	5.00	62.3	62.4	61.9	35.2	35.2	1.20	1.07	1	8.2			
MW2 M	12:11	Small Wave	10	5	17.3	17.3	4.97	4.91		61.5	61.2		35.0	35.0	1.23	1.33	1.14	8.2		8.6	
MW2 B	12:15			9	17.2	17.2	5.12	5.09	5.11	63.3	62.8	63.1	34.9	34.9	1.04	0.98		9.4			
CW1 S	12:40			1	17.5	17.5	5.14	5.02	5.08	63.0	62.5	62.8	35.2	35.2	1.28	1.31		5.6			
CW1 M	12:40	Small Wave	4	2					0.00			02.0					1.23			6.1	
CW1 B	12:41			3	17.5	17.5	4.97	5.03	5.00	61.8	62.1	62.0	35.1	35.1	1.11	1.20		6.6			
CW2 S	12:20			1	17.7	17.6	5.02	5.07	5.08	62.4	62.0	62.9	35.2	35.2	1.34	1.04		13.0			
CW2 M	12:21	Small Wave	11	5.5	17.3	17.3	5.13	5.11	5.06	63.8	63.4	62.9	35.1	35.1	0.99	1.13	1.10	7.2		9.3	
CW2 B	12:25			10	17.2	17.2	4.95	5.04	5.00	61.7	61.5	61.6	34.9	34.9	1.02	1.08		7.8			
Equipme	nt used:	Dissolved Ox	kygen Mete	er:	EM	6167		Calibrati	ion Check:		100	100%:					Sampled	Ву:	伊		-
		Turbidity Met	ter:		EM	2365		Calibrati	ion Check:		9.7	NTU					Checked	Ву:	Raymor	nd	<u>-</u>
		Salinity Mete	r:		EM	6167		Calibrati	ion Check:		35.2	ppt					Date:		30/1/20	06	=
		_																			
		Thermomete	r:		EM	6167															
Proiect:	Contract			truction of V			Lau Wa	n Public	Piers		Client:	Kin Shina	Construc	ction Co.	. Ltd.		Job No.:	J429			
		No. CV/2004/	02 Recons		Vong She	ek and Ko		n Public	Piers			Kin Shing				-	Job No.: Tide State:		<u>-</u>		
Date of	Sampling:	No. CV/2004/0	02 Recons	_ w	Vong She	ek and Ko	Cloudy			Dissolve	Ambie	nt Temper	ature,°C:	18			Job No.: Tide State:	Mid-Ebl		- Is ma/l	Remarks
		No. CV/2004/	02 Recons	Sampling	Vong She	ek and Ko	Cloudy			Dissolve a	Ambie d Oxyge	nt Temper		18		, NTU		Mid-Ebl	o ded Solid	Depth	Remarks
Date of	Sampling:	No. CV/2004/0 : 23/1/2006	02 Recons	Sampling	Vong She /eather C	ek and Ko ondition: ature, °C	Cloudy	d Oxyge	n, mg/L Average		Ambie d Oxyge	nt Tempera n, % Average	ature,°C:	18	Turbidity	, NTU	Tide State:	Mid-Ebl			Remarks
Date of	Sampling:	No. CV/2004/0 : 23/1/2006	Overall Depth, m	Sampling Depth,m	Vong She Veather C	ek and Ko ondition: ature, °C b	Cloudy Dissolve a	ed Oxyge b	n, mg/L	а	Ambie d Oxyge b	nt Temper	Salinity,	ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth	Remarks
Date of Station	Sampling:	No. CV/2004/0 : 23/1/2006 Sea Condition	Overall Depth, m	Sampling Depth,m	Vong She Veather C	ek and Ko ondition: ature, °C b	Cloudy Dissolve a	ed Oxyge b	n, mg/L Average	а	Ambie d Oxyge b	nt Tempera n, % Average	Salinity,	ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth Average	Remarks
Station MW1 S MW1 M	Sampling: Time 18:50 18:50	No. CV/2004/0 : 23/1/2006 Sea Condition	Overall Depth, m	Sampling Depth,m	Vong She	ondition:	Dissolve a 5.06	b 5.05	n, mg/L Average 5.06	a 63.4	Ambie d Oxyge b	n, % Average 63.1	Salinity, a	ppt b 35.0	Turbidity a	7, NTU b	Tide State:	Suspen 7.4		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 18:50 18:50 18:51	No. CV/2004/0 : 23/1/2006 Sea Condition	Overall Depth, m	Sampling Depth,m	Vong She Veather C Tempera a 17.4	ondition: ature, °C b 17.4	Dissolve a 5.06	5.05	n, mg/L Average 5.06	a 63.4	Ambie d Oxyge b 62.8	n, % Average 63.1	Salinity, a 35.0	18 ppt b 35.0	Turbidity a 1.20	7, NTU b 1.04	Tide State:	Suspen 7.4 9.6		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 18:50 18:50 18:51 18:30	No. CV/2004// : 23/1/2006 Sea Condition Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3	Vong She Veather C Temper a 17.4 17.2 17.5	ondition: ature, °C b 17.4 17.2	Dissolve a 5.06 5.08 4.93	5.05 5.06	n, mg/L Average 5.06	63.4 63.2 61.5	Ambie d Oxyge b 62.8 63.0 61.1	nt Temperan, % Average 63.1	Salinity, a 35.0 34.9	18 ppt b 35.0 34.9 35.1	1.20 0.98	1.04 1.22	Average	7.4 9.6 5.6		Depth Average 8.5	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 18:50 18:50 18:51 18:30 18:31	No. CV/2004// : 23/1/2006 Sea Condition Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5	Vong She /eather C Temper: a 17.4 17.2 17.5 17.3	ondition: ature, °C b 17.4 17.2 17.5	5.06 5.08 4.93 5.13	5.05 5.06 5.09	n, mg/L Average 5.06 5.07	63.4 63.2 61.5	Ambie d Oxyge b 62.8 63.0 61.1 63.5	n, % Average 63.1 63.1	35.0 34.9 35.1	18 ppt b 35.0 34.9 35.1 34.9	1.20 0.98 1.31 1.08	1.04 1.22 1.10	Average	7.4 9.6 5.6 6.4		Depth Average 8.5	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34	No. CV/2004// : 23/1/2006 Sea Condition Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5	Vong She /eather C Temper: a 17.4 17.2 17.5 17.3	ondition: ature, °C b 17.4 17.2 17.5	5.06 5.08 4.93 5.13	5.05 5.06 5.09	n, mg/L Average 5.06 5.07	63.4 63.2 61.5	Ambie d Oxyge b 62.8 63.0 61.1 63.5	n, % Average 63.1 63.1	35.0 34.9 35.1	18 ppt b 35.0 34.9 35.1 34.9	1.20 0.98 1.31 1.08	1.04 1.22 1.10	Average	7.4 9.6 5.6 6.4		Depth Average 8.5	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34 19:00	No. CV/2004/discontinuous Sea Condition Small Wave Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5 8	Vong She /eather C Tempera 17.4 17.2 17.5 17.3 17.0	17.4 17.2 17.3 17.0	5.06 5.08 4.93 5.13	5.05 5.06 5.09 5.04	n, mg/L Average 5.06 5.07	63.4 63.2 61.5 63.8 61.6	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8	63.1 62.5 61.7	35.0 34.9 35.1 34.9	18 ppt b 35.0 34.9 35.1 34.9 34.9	Turbidity a 1.20 0.98 1.31 1.08	1.04 1.22 1.10 1.25 1.26	Average 1.11 1.20	7.4 9.6 5.6 6.4 8.0		Depth Average 8.5	Remarks
MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B	Sampling: Time 18:50 18:51 18:31 18:34 19:00 19:00	No. CV/2004/discontinuous Sea Condition Small Wave Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5 8 1 1.5	Vong She /eather C Tempera 17.4 17.2 17.5 17.3 17.0	17.2 17.3 17.2	Dissolve a 5.06 5.08 4.93 5.13 4.96	5.05 5.06 5.09 5.04	n, mg/L Average 5.06 5.07 5.05	63.4 63.2 61.5 63.8 61.6	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8	63.1 63.1 62.5 61.7	35.0 34.9 35.1 34.9	18 ppt b 35.0 34.9 35.1 34.9 34.9	Turbidity a 1.20 0.98 1.31 1.08	1.04 1.22 1.10 1.25 1.26	Average 1.11 1.20	Nid-Ebi		Depth Average 8.5	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34 19:00 19:00	No. CV/2004/discontinuous Sea Condition Small Wave Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5 8 1 1.5	Vong She /eather C Tempera 17.4 17.2 17.5 17.3 17.0 17.2 17.2 17.2 17.2 17.2 17.2 17.3 17.0 17.2 17.2 17.3 17.0 17.2 17.2 17.2 17.2 17.2 17.2 17.3 17.0 17.2	17.4 17.2 17.3 17.0	5.06 5.08 4.93 5.13	5.06 5.06 5.09 4.95	n, mg/L Average 5.06 5.07 5.05	a 63.4 63.2 61.5 63.8 61.6	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8	63.1 63.1 62.5 61.7	ature, °C: Salinity, a 35.0 34.9 35.1 34.9 34.9 35.0	18 ppt b 35.0 34.9 35.1 34.9 34.9 35.0	1.20 0.98 1.31 1.08 1.18	1.04 1.22 1.10 1.25 1.26	Average 1.11 1.20	7.4 9.6 5.6 6.4 8.0		Depth Average 8.5	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M CW1 S CW1 M CW1 B CW2 S CW2 M	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34 19:00 19:00 19:01 18:40 18:41	No. CV/2004// : 23/1/2006 Sea Condition Small Wave Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5 8 1 1.5 2 1 5	Vong She /eather C Temper: a 17.4 17.2 17.5 17.3 17.0 17.2	17.4 17.2 17.3 17.4 17.2	5.06 5.08 4.93 5.13 4.96 5.11 4.93	5.06 5.06 5.09 5.04 4.95	n, mg/L Average 5.06 5.07 5.05 5.00 #DIV/0!	63.4 63.2 61.5 63.8 61.6 62.5	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8 62.8 61.4	63.1 63.1 62.5 61.7 62.9	35.0 34.9 35.0 35.0 34.9 35.1 34.9 35.0	18 ppt b 35.0 34.9 35.1 34.9 35.0 35.0 34.9	Turbidity a 1.20 0.98 1.31 1.08 1.18 1.09	1.04 1.22 1.10 1.25 1.26 1.08	Average 1.11 1.20	Nid-Ebit Suspen		8.5 6.7	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34 19:00 19:01 18:40	No. CV/2004// : 23/1/2006 Sea Condition Small Wave Small Wave	Overall Depth, m	Sampling Depth,m 1 2 3 1 4.5 8 1 1.5 2	Vong She /eather C Temper: a 17.4 17.2 17.5 17.3 17.0 17.2	17.4 17.2 17.3 17.0	5.08 4.93 5.13 4.96	5.06 5.09 5.04 4.95	n, mg/L Average 5.06 5.07 5.05 5.00 #DIV/0!	63.4 63.2 61.5 63.8 61.6	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8 62.8	63.1 63.1 62.5 61.7 #DIV/0!	ature, °C: Salinity, a 35.0 34.9 35.1 34.9 35.0 35.0	18 ppt b 35.0 34.9 35.1 34.9 35.0 35.0	Turbidity a 1.20 0.98 1.31 1.08 1.18	1.04 1.22 1.10 1.25 1.26	Average 1.11 1.20	9.6 5.6 6.4 8.0 7.2		8.5 6.7	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M CW1 S CW1 M CW1 B CW2 S CW2 M	Sampling: Time 18:50 18:50 18:51 18:30 18:31 18:34 19:00 19:01 18:40 18:41 18:45	No. CV/2004// : 23/1/2006 Sea Condition Small Wave Small Wave	Overall Depth, m 4 9	Sampling Depth,m 1 2 3 1 4.5 8 1 1.5 2 1 5 9	Vong She /eather C Temper: a 17.4 17.2 17.5 17.3 17.0 17.2	17.4 17.2 17.3 17.4 17.2	Dissolve a 5.06 5.08 4.93 5.13 4.96 5.11 4.93 5.03	5.05 5.06 5.06 5.04 4.95 4.99	n, mg/L Average 5.06 5.07 5.05 5.00 #DIV/0!	63.4 63.2 61.5 63.8 61.6 62.5	Ambie d Oxyge b 62.8 63.0 61.1 63.5 61.8 63.3 62.8 61.4 61.8	63.1 63.1 62.5 61.7 62.9	35.0 34.9 35.0 35.0 34.9 35.1 34.9 35.0	18 ppt b 35.0 34.9 35.1 34.9 35.0 35.0 34.9	Turbidity a 1.20 0.98 1.31 1.08 1.18 1.09	1.04 1.22 1.10 1.25 1.26 1.08	Average 1.11 1.20	7.4 9.6 5.6 6.4 8.0 7.2 11.0 8.6		8.5 6.7	Remarks

35.2 ppt

Calibration Check:

30/1/2006

EM 6167

EM 6167

Salinity Meter:

Thermometer:

Appendix E

Monitoring Schedule - Upcoming month

CEDD Construction No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Water Quality Monitoring Schedule Environmental Monitoring Schedule Revised February 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
	Public Holiday	Public Holiday				
			WQM^3	WQM^2	WQM^2	
			(Ebb: 14:25)	(Ebb: 15:16)	(Ebb: 16:08)	
			(Flood: 18:07)	(Flood: 9:29)	(Flood: 10:08)	
5	6	7	8	9	10	11
	WQM^3		WQM^2		WQM ²	
	(Ebb: 8:12)		(Ebb: 21:21)*		(Ebb: 10:59)	
	(Flood: 12:03)		(Flood: 10:43)		(Flood: 15:57)	
12	13	14	15	16	17	18
	WQM^3		WQM^2		WQM ²	
	(Ebb: 12:27)		(Ebb:13:39)		(Ebb: 14:52)	
	(Flood: 18:11)		(Flood: 19:31)*		(Flood: 9:06)	
19	20	21	22	23	24	25
	WQM^3		WQM^2		WQM ²	
	(Ebb: 17:04)		(Ebb:20:28)*		(Ebb: 19:05)*	
	(Flood: 10:30)		(Flood: 8:32)		(Flood: 9:40)	
26	27	28				
	WQM^3					
	(Ebb: 11:54)					
	(Flood: 17:33)					

Notes:

- 1. WQM water quality monitoring on mid-flood and mid-ebb tides at Wong Shek (CW1, CW2, MW1 & MW2)
- $2.\ WQM\ -\ water\ quality\ monitoring\ on\ mid-flood\ and\ mid-ebb\ tides\ at\ Ko\ Lau\ Wan\ (CK1,\ CK2,\ MK1,\ MK2,\ MK3\ \&\ MK4)$
- 3. WQM water quality monitoring on mid-flood and mid-ebb tides at Ko Lau (CK1, CK2, MK1, MK2, MK3 & MK4) and Wong Shek (CW1, CW2, MW1 & MW2))
- 4. Wong Shek monitoring shall be carried out once a week starting from 16 January 06 onwards due to completion of piling and demolishing works.
- * There will be no sample collection at Mid-ebb tides, due to site inactive during the mid-ebb period

CONTRACT NO: CV/2004/02

RECONSTRUCTION OF WONG SHEK AND KO LAU WAN PUBLIC PIERS

ENVIRONMENTAL MONITORING & AUDIT MONTHLY REPORT (KO LAU WAN)

- JAN 2006 -

CLIENT:

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Lam Environmental Services

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Senior Environmental Scientist

DATE:

22 Feb 2006

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FAX MESSAGE

Priority	☐ normal / ☐ urgent			
·	Lam Environmental Services	Ref. No.	MCLF1379	
То		Fax No.	2897 5509	
Country	Day and Dai	Date	1 March 2006	d) 11111 b)
Attn.	Mr. Raymond Dai	No. of Pages	1	(Incl. this page)
From	Joseph Poon	. Mo. oi rages	pp	
C.c. To	Mr. Simon Fok (Kin Shing Con. Co. Ltd.)	Fax No.	2729 7858	
Subject	Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko L Monthly EM&A Summary Report		Piers	

We refer to the January Monthly EM&A reports for Wong Shek Pier and Ko Lau Wan Pier that we received through email on 22 February 2006 and are pleased to confirm we have no further comment on the reports.

Should you require further information, please feel free to contact us.

Best regards,

Joseph Poon Independent Environmental Checker

JP/cy

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EXECUTIVE SUMMARY

This is the Monthly Environmental Monitoring and Audit (EM&A) report for Jan 2006 under Contract No. CV/2004/02 – Reconstruction of Wong Shek and Ko Lau Wan Public Piers. This report presents the environmental monitoring and auditing (EM&A) findings based on data and information recorded from the period 1st to 31st Jan 2006 for the construction of Ko Lau Wan Public Pier.

Construction Activities for the Reported Period

During this reporting period, the principal work activities at Ko Lau Wan Pier include:

- Construction of main piles
- Erection of falsework for installation of precast pile brackets

Water Quality Monitoring

21 water quality monitoring events in terms of turbidity, dissolved oxygen, suspended solids, temperature, and salinity was carried out at MK1, MK2, MK3, MK4, CK1 and CK2 at Ko Lau Wan except at mid-ebb tides on 11, 13 and 25 Jan in which the tidal events occurred at night-time when there was no construction operation.

Fluctuations for dissolved oxygen, turbidity and suspended solids resembled those fluctuations at the control stations which indicated that all the exceedances in water quality monitoring were due to natural phenomena and agreed with the changes in the control stations. Causation due to construction activities is unlikely and there were no valid exceedance for this reporting period.

Waste Management

22m³ inert C&D materials was disposed of at Tseung Kwan O Area 137 public filling area while 6m³ general refuse was disposed of at SENT landfill. No chemical waste was transported off site in this reported period.

Complaints, Notifications of Summons and Successful Prosecutions

There was no complaints, notification of prosecutions or summons in this reporting period.

Site Inspections and Audit

4 site inspections were conducted by the Environmental Team (ET) in this reported period. An audit by the Independent Environmental Checker (IEC) was conducted on 10 Jan 2006 with the Engineers' Representative and the Environmental Team. Major observations by the ET, actions by the Contractor and outcome are summarized in the following table.

Item	Date	Observations	Action taken by Contractor	Outcome
-	6-Jan	No particular finding	-	-
-	10-Jan	No particular finding	-	-
-	18-Jan	No particular finding	-	-
-	27-Jan	No particular finding	-	-

Future Key Issues

The tentative works activities, predicted impacts and areas of environmental concern for the coming reporting month are summarized in the following table.

Construction Works	Predict Impacts	Proposed Mitigation Measures
Construction of main piles	Water, Noise, Waste	Silt curtain to be secured Avoid concurrent noisy operation during timber and
		steel preparation Prohibit on-site concrete truck washing
		Avoid chemical spill and provide spill control if necessary
Installation of precast concrete units	Noise	Avoid concurrent noisy
		Material and waste to be stored properly
Erection of falsework for installation of precast units and in-situ concrete	Noise, Waste	Avoid concurrent noisy operation during timber and steel preparation
		Material and waste to be stored properly
		No littering in land or sea
Pile loading test	Noise	Avoid concurrent noisy operation during lifting operation

1 INTRODUCTION

1.1 SCOPE OF THE REPORT

Lam Environmental Services (LAM) has been appointed to work as the Environmental Team (ET) for Kin Shing Construction Company Limited to implement the Environmental Monitoring and Audit (EM&A) programme for the Contract No. CV/2004/02 – Reconstruction of Wong Shek and Ko Lau Wan Public Piers.

This report presents the environmental monitoring and auditing work carried out from the period 1st to 31st Jan 2006 for the construction of Ko Lau Wan Public Pier in accordance to Section 26 of the Particular Specification, Project Profile (PP-191/2003) and Environmental Permit (EP-186/2004) for this Project.

The following information relating to this project is documented in the EM&A Manual and, to avoid duplication, it is not presented in detail within the monthly report.

- Event-Action Plans;
- Full set of environmental mitigation measures and;
- · Contracted environmental requirements.

1.2 STRUCTURE OF THE REPORT

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

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

Section 3 Implementation Status – summarizes the status of Environmental Permits / Licenses, implementation of environmental protection and pollution control / mitigation measures in an updated schedule for the reporting period.

Section 4 Monitoring Requirements — summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency and programmes.

Section 5 *Monitoring Results* – summarizes the monitoring results obtained in the reporting period.

Section 6 Compliance Audit – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 7 Site Inspection and Audit – summarizes the findings of weekly site inspections and independent audit undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.

Section 8 Complaints, Notification of Summons and Prosecution – summarizes the complaints, notification of summons and successful prosecution for breaches of environmental legislation and the actions taken within the reporting period.

Section 9 Future Key Issues – summarizes the upcoming works and a forecast of the environmental impact and monitoring schedule for the next reporting period.

Section 10 Conclusion

2 PROJECT BACKGROUND

2.1 SCOPE OF THE PROJECT AND SITE DESCRIPTION

The works mainly comprise demolition of the existing piers and construction of reinforced concrete piers with roof covers at Ko Lau Wan. The construction of the Project is scheduled to commence in November 2004 for completion in September 2006. The construction period is 630 days for the entire construction.

The site layout plan is shown in **Figure 2.1**.

2.2 PROJECT ORGANIZATION AND CONTACT PERSONNEL

Civil Engineering Office of Civil Engineering and Development Department is the project proponent. The organization chart for the EM&A programme is attached in *Appendix A*.

Under the organization chart, Resident Engineer, Contractor, Independent Environmental Checker, Environmental Team are appointed to manage and control environmental issues for the construction phase of CV/2004/02. Overall responsibilities and duties of the team are found in the corresponding EM&A Manual. Key personnel and contact particulars are summarized in *Table 2.2*:

Table 2.2 Contact Details of Key Personnel

Post	Name	Contact No.	Contact Fax	Mobile No.
Resident Engineer	David C S Leung	2760 5737	2714 2054	9630 1235
Site Agent	Simon Fok	2729 6779	2729 7858	6010 8730
Independent Environmental Checker (IEC)	Joseph T L Poon	2452 7140	2450 6138	9450 1968
Environmental Team Leader (ETL)	Raymond Dai	2975 3300	2897 5509	9738 0738

2.3 CONSTRUCTION PROGRAMME AND WORKS

Construction works carried out at Ko Lau Wan Pier during this reporting period are:

- Construction of main piles
- Erection of falsework for installation of precast pile brackets

The master construction programme is given in *Figure 2.3*.

3 IMPLEMENTATION STATUS

3.1 STATUS OF REGULATORY COMPLIANCE

A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in *Table 3.1*.

Table 3.1 Cumulative Summary of Valid Licences and Permits

Permits and/or Licences	Reference No.	Issued Date	Expiry Date	Status
Environmental Permit	EP-186/2004/A	28-04-2005	-	Issued on receipt of VEP-171/2005 dated 14-04-2005
Waste Producer Registration	WPN5213-742- K1081-05	12-05-2005	-	Notified
Construction Noise Permit	-	-	-	No valid CNP granted to the Contractor

3.2 IMPLEMENTATION OF POLLUTION CONTROL / MITIGATION MEASURES

The contractor implemented various environmental mitigation measures as recommended in the Particular Specification and the Environmental Permit. The implementation schedule is presented in *Appendix B*.

4 MONITORING REQUIREMENTS

Locations of environmental monitoring stations are referred in Figure 4.1.

4.1 WATER QUALITY MONITORING

The brief for EM&A works details 6 designated stations to be monitored during the construction period comprising 4 monitoring stations and 2 control stations. These stations have been coded as MK1, MK2, MK3, MK4, CK1 and CK2 respectively.

Table 4.1a Water Quality Monitoring Stations

Station	HK Metric Grid (Easting / Northing)	Description
MK1	855 212.850E / 835 496.101N	Impact Monitoring
MK2	855 158.643E / 835 539.315N	Impact Monitoring
MK3	855 170.762E / 835 401.962N	Impact Monitoring
MK4	855 108.767E / 835 402.196N	Impact Monitoring
CK1	854 822.145E / 835 428.000N	Control during mid-ebb
CK2	854 996.976E / 835 675.135N	Control during mid-flood

Monitoring Methodology

Measurements were be taken under two tidal conditions (mid-flood and mid-ebb) at 3 water depths, namely 1m below the water surface, mid-depth and 1m above the seabed, except where the water depth is less than 6m, the mid-depth sample may be omitted. If the water depth is less than 3m, only the mid-depth will be monitored.

Replicate in-situ measurements and samples were collected from each independent sampling event are required for all parameters to ensure a robust statistical interpretable dataset.

Water quality parameter in terms of: dissolved oxygen (mg/L and % saturation), salinity (ppt), turbidity (NTU), and suspended solids (mg/L) were measured in-situ with portable instruments. Other relevant data was also recorded, including the following:

- · monitoring station and position;
- time;
- · depth of water;
- tidal status;
- · water temperature;
- weather conditions including ambient temperature;
- any special phenomena or activities at the construction site.

For the measurement of dissolved oxygen the probe shall be removed from the water column between each duplicate measurement. If the difference between each duplicate measurement is greater than a 25% then the two sets of data shall be rejected and the measurements re-taken.

Suspended solids (SS) were determined in the laboratory at Chai Wan managed by Lam Environmental Services Ltd.

Monitoring Equipment

- Sample Bottles: Samples were kept in high density polythene bottles, packed in ice and cooled to 4°C or below, without being frozen, for delivery to the laboratory as soon as possible after collection.
- Thermometer: A standard certified laboratory mercury thermometer with an accuracy of at least 0.5°C was employed, calibrated against a certified thermometer of 0.1°C scale. This thermometer was employed for measuring both ambient and water temperatures.
- Depth Detector: As the depth of water being sampled was generally shallow, too shallow to allow for the use of an echosounder, a marked depth gSepe was employed to determine water depth at all designated monitoring stations.

All in-situ monitoring equipment shall be checked, verified and calibrated by Lam laboratory at Chai Wan, a HOKLAS accredited laboratory, prior to use on the Works and subsequently thereafter every three months throughout all stages of the water quality monitoring. Responses of the sensors and electrodes shall be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement.

For in-situ calibration of field equipment, the BS 1427: 1993 "Guide to Field and on-site test methods for the analysis of waters" shall be observed.

A set of backup monitoring instruments and equipment shall be made available so that the monitoring can proceed uninterrupted in case of apparatus malfunction or if equipment has been returned to the laboratory for calibration.

Current calibration certificates are presented in **Appendix C**.

Laboratory Analysis

All samples are returned to the laboratory at Chai Wan for the determination of SS under a QA / QC scheme inclusive of blank, duplicate and spike recovery analysis under the requirement of HOKLAS. The laboratory test procedures conform to "Standard Methods for the Examination of Water and Wastewater" published by American Public Health Association (APHA) and United State Environmental Protection Agency (USEPA) test methods are summarized in *Table 4.3b*.

Table 4.1b Laboratory Test Procedures

Parameter	Methodology	Method Ref.	Detection Limit
SS	Determination of Total Suspended Solids Dried at 103-105°C	APHA 19 th Ed. 2540D	2.0 mg/L

4.2 MONITORING PARAMETERS AND FREQUENCY

Water quality monitoring programme has been scheduled according to the requirements stipulated in the EM&A Manual produced for the Project summarized in *Tables 4.2*.

Table 4.2 Water Quality Monitoring Parameters and Frequencies

Station(s)	Parameter	Frequency
MK1, MK2 MK3, MK4 CK1, CK2	DO, Temperature, Salinity, Turbidity, Suspended Solids, Water Depth	For piling or demolition works 3 days per week at mid-flood and mid-ebb For marine works other than piling or demolition works 1 day per week at mid-flood and mid-ebb

4.3 WATER QUALITY CRITERIA

Water quality criteria were determined prior to the commencement of the construction of the project for the purpose of impact monitoring. Various levels established based on the results of baseline monitoring and the Event Action Plan stipulated in the EM&A Manual are summarized in *Tables 4.3*.

Table 4.3 Action and Limit Levels for Water Quality Monitoring

Parameter	Action Level	Target Level
Dissolved Oxygen	Surface & Middle	Surface & Middle
(Surface, Middle & Bottom)	For Ko Lau Wan – 6.90	For Ko Lau Wan – 6.79
	<u>Bottom</u>	<u>Bottom</u>
	For Ko Lau Wan – 6.75	For Ko Lau Wan – 5.63
Turbidity (depth- averaged)	For Ko Lau Wan – 1.25 or 120% of upstream control station's Tby at the same tide of same day, whichever is lower	For Ko Lau Wan – 1.60 or 130% of upstream control station's Tby at the same tide of same day, whichever is lower
Suspended Solids (depth-averaged)	For Ko Lau Wan – 6.30 or 120% of upstream control station's SS at the same tide of same day, whichever is lower	For Ko Lau Wan – 6.87 or 130% of upstream control station's SS at the same tide of same day, whichever is lower

Note:

- 1. "Depth-averaged" is calculated by taking the arithmetic means of reading all three depths.
- For Dissolved Oxygen, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- 3. For Turbidity and Suspended Solid, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
- 4. All the figures given in the table are used for reference only and the Engineer may amend the figures whenever it is considered as necessary.

4.4 MONITORING PROGRAMME

Environmental monitoring programme for this reporting period was carried out in accordance with the required monitoring frequency. The actual completion of monitoring work during the reporting period is presented in *Tables 4.4*.

Table 4.4 Environmental Monitoring Programme – Jan 06

Jan 2006		Water Quality (DO, Turbidity, SS)	Site Inspection
Jan	2006	MK1, MK2, MK3, MK4, CK1, CK2	
1	Sun		
2	Mon		
3	Tue		
4	Wed	X	
5	Thu	X	
6	Fri	X	Х
7	Sat		
8	Sun		
9	Mon	X	
10	Tue		X (w/ IEC)
11	Wed	X	
12	Thu		
13	Fri	X	
14	Sat		
15	Sun		
16	Mon	X	
17	Tue		
18	Wed	X	Х
19	Thu		
20	Fri	X	
21	Sat		
22	Sun		
23	Mon	X	
24	Tue		
25	Wed	X	
26	Thu		
27	Fri	X	Х
28	Sat		
29	Sun		
30	Mon		
31	Tue		

Note:

- X: Monitoring visit conducted
- Schedule is formulated and with consideration of statutory holidays (shaded in the table).

5 MONITORING RESULTS

5.1 WATER QUALITY MONITORING RESULTS

Water quality monitoring was carried out on 21 occasions at stations MK1, MK2, MK3, MK4, CK1 and CK2. Calculated water quality monitoring results in this reporting period are reviewed and summarized in *Tables 5.1a and 5.1b*. Details of measured and tested results can be referred in *Appendix D*. Graphical trend is presented in *Figure 5.1a* – *5.1h*.

Table 5.1a Water Quality Monitoring Results (mid-flood tide) – Jan 06

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MK1	4.90	4.81	1.16	10.1
MK2	4.86	4.81	1.17	9.8
MK3	4.85	4.85	1.14	10.7
MK4	4.84	4.80	1.15	12.0
CK1	4.84	4.79	1.15	10.8
CK2	4.81	4.77	1.19	10.1

Table 5.1b Water Quality Monitoring Results (mid-ebb tide) – Jan 06

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MK1	4.91	4.79	1.14	10.3
MK2	4.83	4.79	1.17	12.5
MK3	4.76	4.74	1.15	11.4
MK4	4.76	4.73	1.17	10.6
CK1	4.72	4.69	1.16	10.7
CK2	4.77	4.71	1.19	11.6

5.2 WASTE MONITORING RESULTS

22m³ inert C&D materials was disposed of at Tseung Kwan O Area 137 public filling area while 6m³ general refuse was disposed of at SENT landfill. No chemical waste was transported off site in this reported period.

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6 COMPLIANCE AUDIT

Results of the calculated water quality results for various are audited against the water quality levels and the number of exceedances are summarized *Tables 6.1a* and 6.1b. Exceedances caused by natural phenomena namely fluctuation of overall water quality by comparing the graphical trends of monitoring and control stations are eliminated in order to identify the valid exceedance due to construction activities.

Table 6.1a Summary of Water Quality Exceedance (mid-flood tide) – Jan 06

Station	Averaged DO Surface & Middle	Averaged DO Bottom	Averaged Turbidity	Averaged Suspended Solids
MK1	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK2	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK3	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK4	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)

Table 6.1b Summary of Water Quality Exceedance (mid-ebb tide) – Jan 06

Station	Averaged DO Surface & Middle	Averaged DO Bottom	Averaged Turbidity	Averaged Suspended Solids
MK1	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK2	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK3	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)
MK4	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)	0 (AL); 0 (LL)

As shown in the graphical trend, the observed trends and exceedances in dissolved oxygen at MK1, MK2, MK3 and MK4 resemble the fluctuations to the respective control stations, possibly due to variation in water current or tidal effect.

The observed exceedances for turbidity and suspended solids are respectively within 0.4 NTU and 20 mg/L, indicating the fluctuation could possibility due to the natural variation around the small values of turbidity and suspended solids, possibly due to water current or tidal interference.

To conclude, the fluctuations for dissolved oxygen, turbidity and suspended solids resembled those fluctuations at the control stations which indicated that all the exceedances in water quality monitoring were due to natural phenomena and agreed with the changes in the control stations. Therefore, causation due to CV/2004/02 construction activities is unlikely and there were no valid exceedance for this reporting period.

7 SITE INSPECTION AND AUDIT

The ET undertook site inspection at least once a week. Monthly joint audit was undertaken by the IEC, the ETL, the Engineer and the Contractor.

The ET carried out 4 inspections during this reporting period. An audit was undertaken by the IEC on 10 Jan 2006. The results of these inspections and outcomes are summarized in *Table 7*.

Table 7 Summary of Environmental Inspection and Audit – Jan 06

Item	Date	Observations	Action taken by Contractor	Outcome
-	6-Jan	No particular finding	-	-
-	10-Jan	No particular finding	-	-
-	18-Jan	No particular finding	-	-
-	27-Jan	No particular finding	-	-

8 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

No complaint, inspection notice, notification of summons or prosecution was received in this reporting period. Complaint log, summaries of cumulative complaints and successful prosecutions are presented in *Table 8a*, *Table 8b*, *Table 8c* and *Table 8d* respectively.

Table 8a Environmental Complaints Log

Complaint Log No.	Date of Receipt	Received From and By	Nature of Complaint	Date investigated	Outcome	Date of Reply and to Whom
=	-	-	-	-	-	-

Table 8b Cumulative Statistics on Complaints

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

Table 8c Cumulative Statistics on Successful Prosecutions

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

Table 8c Cumulative Statistics on Notification of Summons

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Summons	Cumulative Number to Date
Air	-	-	-
Noise	-	-	-
Water	-	-	-
Waste	-	-	-
Total	-	-	-

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CEDD Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

9 FUTURE KEY ISSUES

The scheduled construction activities and the recommended mitigation measures for the coming month are listed below. The proposed monitoring schedule for the coming reporting period is detailed in <u>Appendix E</u>.

Table 9 Construction Activities and Recommended Mitigation Measures – Feb 2005

Construction Works	Predict Impacts	Proposed Mitigation Measures
Construction of main piles	Water, Noise, Waste	Silt curtain to be secured Avoid concurrent noisy operation during timber and steel preparation Prohibit on-site concrete truck washing Avoid chemical spill and provide spill control if necessary
Installation of precast concrete units	Noise	Avoid concurrent noisy Material and waste to be stored properly
Erection of falsework for installation of precast units and in-situ concrete	Noise, Waste	Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea
Pile loading test	Noise	Avoid concurrent noisy operation during lifting operation

CEDD Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

10 CONCLUSION

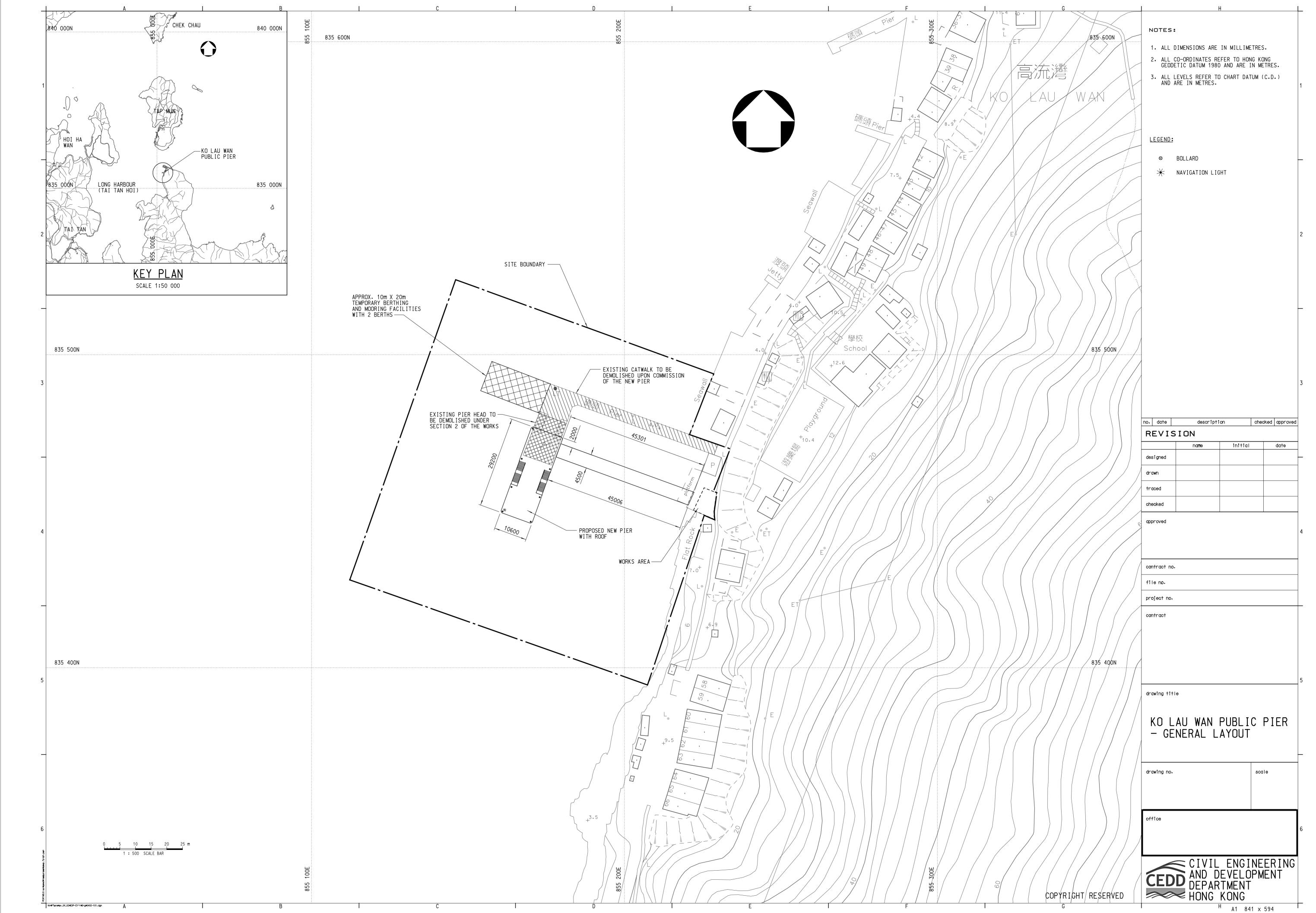
The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed in the previous EM&A Report were made in response to changing circumstances.

No exceedance due to construction activities was reported in routine environmental monitoring. Such results indicate that the construction operation generally performed reasonably acceptable against environmental auditing criteria.

In summary, environmental mitigation measures are being satisfactorily implemented within the CV/2004/02 project along with the on-going construction activities.

Figure 2.1

Location Plan





Master Construction Programme

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lan Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.

Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

Programme Date: 21st Feb 2005

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Commencement of the Works	1 tlay Mon 64/11/1	5 Mon 64/11/25	1 • 10 No. 12
Completion of Section 1 (Wong Shel; Public Pier)	I day Sun 96/8/6	Sun 06/8/6	
Completion of Section 2 (Ko Lan Was Public Pier)	1 day Sam 06/8/6	- Sun 06/8/6	
Preliminary	===	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Establishment of Engineer's Principal Site Office	994 days Tue 04/11/16	6 . Mos 67/8/6	
Submission and approval	21 days Tue 04/11/10	6 Mon 94/12/6	6 STUBLUKA
Provision	8 days Tue 04/12/7	Tue 04/12/14 0	7 111
Servicing during construction period	600 days Wed 04/12/1	5 Sun 06/8/6 2	
Servicing during maintenance period	364 days More 06/8/7	Sun 02/3/3	**************************************
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Secondary Office	582 days Maia 05/1/3	Mon 05/8/7	11 (V) DEPROMENTAL SERVICE DE LA CONTRACTOR DE LA CONTRAC
Sultiniasion and approval	15 days Mos 05/1/3	Mon 03/1/17	13 [2327322]-
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Servicing	538 days Tue 05/2/15	Son 06/8/6 (1	N TREE PROPERTY AND THE PROPERTY OF THE PROPER
5 Decommissioning	1 day Most 06/8/7	Mon 06/8/7 H	(4.4344.14.1361.61.14.14.14.14.14.14.14.14.14.14.14.14.14
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Initial survey	20 days Wed 04/12/1	S Man 05/1/3	17 000070554
Erection of hoarding and project signboard at Por. A	34 days - 31on 05/1/31	8at 65/3/5 17	18 2222222221222
Erection of hourding and project signboard at For. B	13 days Mon 08/2/21	Sat 05/3/5	19 190100
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Application and installation of water supply system	75 days Sun 05/1/16	The 95/3/31	21 FOR FORMER HAR HAR TO THE FORMER HAR
Application and installation of telephone fines	75 days , Sun 05/1/16	The 05/3/31	22 (1/1/25/100100000000000000000000000000000
Notification of parties in concern	31 days Wed 64/12/1	Fri 04/12/31	23 (300-60-6110-91-51-51-51-51-51-51-51-51-51-51-51-51-51
Application for presentlyation of Marine Department for Wong Stick	Notice 71 days Fri 04/12/17	Fri (15/2/25	24 [001001/010030011000001110000111000
Application for prountgation of Marine Department for Ka Lan Wan	Notice 65 days Pet 04/12/17	Sn4 05/2/19	32 ************************************
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Baseline water quality mountaing	26 days Moi: 05/1/t0	fri 05/2/4 #	29 (\$12.73)\$2.74(2)
Preparation and approval of baseline report	21 days Sal 05/2/5	Fri 05/2/25 29	30 (1000)
I Impaci munitoring	527 days Sm 05/2/26	Sam 06/8/6 *6	A CHARLES AND A CONTROL OF THE CONTR
2 Post construction municating	28 days - Mon 06/8/7	Siui 06/9/3 9,107,00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sertian I (Wong Shek Public Pier)			
Temporary cover to existing piec	121 days 61nn 04/11/1	5 Tec 05/3/15	M (VIEW MARKET MARK)
Dusign and ICE checking	66 days Men 04/11/1	5 Wed-05/1/19	Sundanian Sundan
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Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

(232723)2232233 Pages

Commencement Milestone

Keen Tak

Part act No. (1992014012) Alcaler Proposition 2 Version 21

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

VERZERZZA

TELEVISION

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211	Certified by ICE and commissioning	5 days Pri 05/3/	Tue 05/3/15	du estado de la composição de la composi	×8.
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· (*)	Design and ICE checking of temporary borth	60 days - Mon 04/11	/15 Wed 05/2/2	Rein	40 09758222244224382838283433343323433433433433433433433433433433
	Submission for Engineer's comment	41 days Thu 05/2	3 Tue 05/3/15	in	41 (2000)200014(1000)2000
2	Piling	40 days Wod 05/3	/L6 Sint 05/4/24	- 24,26,23,41,38	42 80000000000000000
()	Deck construction and installation of fenders	25 days -Mon 05/4	/25 Thu 05/5/19	0	10 100,000.00
4	Relocation of navigation light by Marine Dept.	66 days Wed 05/3	/16 Fel 05/5/20		H PRESSENTANTAL AND
	Application to Maxine Department	65 days Wed 05/3	/16 Thu 05/5/19		o minimum di pinan
	Relocation works	L day Pri 05/5/	20 Pri 05/5/20	43,45	46 5
	Conflied by ICE, testing and commissioning of berth	5 days Smt 05/5/	21 Wed 05/5/25	16	nte
G	ound investigation	110 days Wed 04/11	1/29 Sun 05/4/17		43 (V) ASHAMANA BEREIN CHERLIA CALLACALIVA ON COMPANIO CO
25	Sulmustion for Engineer's comment	59 days Wed 04:11	2/29 Pri 05/2/25		40 Personal and Company of the Compa
in' i	Ground investigation works on site	20 days Sat 05/2/	26 Thu 05/3/17	69,14,38	o territoria :
Kiti	Preparation and approval of reports	10 days Fri 05/3/	18 Sun 05/3/27	-56	31 (\$ 10X8)
1	Submission of reports and determine pile founding levels	21 days - Moii 05/3	/28 Sun 05/4/17	3)	to timeno
(%	ing for permanent pier	282 days Sat 05/1	(1 Sum 05/10/9		53 (V) MARIELLA DEL
34	Compilation of method statement for pulsag	33 days Sat 05/1	/1 Wed 05/2/2		M FROMMERGERY
N7 =	Submission for Engineer's comment	112 days The 05/2	//3 Wed 05/5/25		of the manufacture of the contraction of the contra
54	Vertical preliminary pile and testing	15 days Thu 05/5	26 Thu 05/6/9	17,52,55,327	26
54 !	Vertical regin piles using land plant (E1, H4, E2, H2)	30 days Toe 05/6	28 Wed 05:7/27		
96	Vertical main piles (A11, B8, B11, C8, C11, D8, D11)	18 days Sun 05:6	/19 Wod 05/7/6	128	
Si e	Temporary platform for taking pile	21 days Thu 05/	1/7 Wed 05/7/27	H\$.	
101	Vertical main piles (remaining 14 uos.)	35 days Thu 05/	7/7 Wed 05/8/10	1 14	
11	Raking prefinitionry piles and testing (B10)	15 days Thu 05/7	728 Tini 05/8/11	\$9,30	
Fr :	Ralang main piles (15 nos)	44 days Fri 05/8/	12 Sat 05/9/24	64	
es 1	Pule test for main piles	15 days Sun 05/9	(25 Sun 95 /10/9	62	
ri c	mastruction of pilo cap and deck	212 days Fri 65/6	/10 Sat 06/1/7		
100	Submission and approval of precast yard	61 days Fri OS/6	10 Tue 05/8/9	9.774 (54) (27) 8.7 4) (17)	
76	Casting of precast units at precast yard	61 days Wed 054	\$30 Sun 05/10/9	8	
60	Design and ICE checking of inkework for pile cap and deck	62 days Sun 05/7	710 Pri 05/9/9	4	
od -	Submission of calculation and method statement for Fingmost's approval	30 days Sat 0.5/9	/10 Sen 05/10/9	67	
r	Erection of talsework for installation of precast units.	20 thrys 16ton 05/1	0/10 Sat 05/10/29	08,67	

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Page 2

(** BRANAMAN *** Children's Tests (Sec. 1) (SEE 25) (SEE 25) (Cristical Trade (Sec. 2))

Ortical Took (See 1) 22/12/22/22 Maintenance Percod

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Plers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

THE	Task Neura	Diction	3º m	Fines	Predecessors	00 W W W W W W W W W	Triviary of
=	Installation of precast units with ir-situ pile caps.	60 days	Mon 05/10/10	Thu 05/12/8	56,68,63	TO SHALL BE AND THE STATE OF TH	1
1	Cashing of in-aftir pier dock	30 days	Fri 05/112/9	Sut 06/1/7	70,78	1 1 1 1 1	
2 !	Construction of hollards	30 days	Fri 05/12/9	Sat 06/1/7	γυ	13 1 1	
78	Installation of corresion monitoring system	91 days	Sun 05/10/9	Sat 06/1/7	K-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		83
i:	Approval of specialist contractor and method statement	61 days	Sun 05/10/9	The 05/12/8			
3	Installation of corresion monitoring system	30 days	Fri 05/12/9	Sal 06/177	70,74		
: 1	Roof cover system	272 days	Tue 05/8/9	Sun 06/5/7			
- 1	Approval of specialist contractor	61 days	Tue 05/8/9	Sat 05/10/8			
ŧ	Submission of weekshop drawings for connection details with deck	61 days	See 05/10/9	Thu 05/12/8	ъ		
	Malerial submissions	91 days	Sun. 05/10/9	Sat 06/1/7	73		ř.
er j	Suturnizacin of weekshop drawing for remaining roof system	91 days	Sun 05/10/9	Sat 06/1/7	33		Ē.
-1	C'eratroption of steel works	60 days	Sun 06/1/8	Wed 06/3/8	71,80,79		
3.1	Execution, of roof covers	fill days	Thu 06/3/9	Sun 06/5/7	a1		
1	Marrying-in to bandside	121 days	Wed 06/3/8	Thu 06/7/5	1	1	į.
11	Application of Excavation Pennil	90 days	Wed 06/3/8	Mon 06/6/5	1		
1	Site works	31 days	Tue 06/6/6	Thu 06/7/6	84,31		
-	Electrical system, CLP meter box and lighting system	220 days	Mon 05/19/10	Wed 06/5/17			
55.	Approval of specialist contractor	30 days	Mon 05/10/10	Toe 05/11/8			
4	Lrason with CLP and EMSD	60 days	Wed 05/10/9	Sat 06/1/7	87		8 8
47:	In stallation	120 duys	Sun 0671/8	Sun 06/5/7	74,86	1	\$ B
ĝį:	Te-ting	10 days	Mon 06/5/8	Wed 96/5/17	89		8 8
1	Construction of floor finish	121 days	Wed 06/3/8	Thu 06/7/6			: 1
ij. ·	Material aubruissions	61 days	Wed 06/3/8	Sun 06/5/7			1 1
ge i	Site works	60 days	Mon 06/5/8	Thu 06/7/6	82.92	1	
*	Construction of hand ralling seating beaches and notice boards	150 days	Tue 06/2/7	Thu 66/7/6	1		
0	Material submission	60 days	Tue 06/2/7	Fri 06/4/7			11
G.	Construction	90 days	Sal 05/4/8	Tln: 05/7/6	7130		1 1
97	Installation of fender system	190 days	Thu 05/12/29	Thu 06/7/6			: 1
68	Maierial submission	31 days	Thu 05/12/29	Sat 06/1/28	4		11
30	Ordering of material	59 days	Sun 06/1/29	Tue 06/5/28	91		1
18.40	Site works	LCG days	Wed 06/3/29	This 06/7/6	71,99		11
But	Relucation of navigation light by Marine Dept.	92 days	Fri 06/4/7	Pri 86/7/7			
135	Application to Marine Department	91 daya	Fri 064/7	Thu 06/7/6			(f (f)

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Completion Mileston

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Critical Task (Sec 1 & 2) 5500000000000 Critical Task (Sec 2)

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Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

1	Task Manu	Distinu	Start	Pins'-	Palmainh	VI_Not
	Relogation	1 day	Fyi 06/7/7	Fri 06/7/7	(05,93,4),84,160,96	Dest 36.8 (1967 Con 1964) Are 1 (1967 Are 1 (1967 Con 1968 Con 19
	Commissioning of the pier	1 day	Sat 96/7/8	Sat 96/7/8	ing	
	Demotition of the temporary berth and the existing pier	151 days	Thu 06/3/9	Sen 06/8/6		
	Survey of existing structures	31 days	Thu 06/3/9	Sac 06/4/8	j	
	Design and ICE checking of demolition plan	61 days	Sun 06/4/9	Thu 06/6/8	106	
	Submission for Engineer's comments	30 days	Fri 06/6/9	Sat 06/7/8	103	
	Obtain consent from Country and Marine Park Authority	30 days	Fri 06/6/9	Sat 06/7/8	roa.	
	Domohhau	29 days	Sun 06/7/9	Sun 06/8/6	164,189,168	
	Miniatenance Period for the Works	365 days	Men 06/8/7	Mon 07/8/6	110	
S	estion 2 (Ko Lan Wan Public Pier)					
	Cural Survey	626 days	Mon 04/11/15	Wed 86/8/2		113 (V ANNANDERS BEREICH BEREI
	Solenissine and approval of specialist and method statement	73 days	Mon (94/11/15	Weil 05/1/26		- EMBERGREGARIER GERTER GERTER GERTER GERTER GERTER FOR FOR FOR FOR FOR FOR FOR FOR FOR FO
	Initial cours survey and approval by AFCD	18 days	Sun 05/2/20	Wed 05/3/9		ns Zeeres
	Corol translocation	4 days	Thu 05/3/10	Sun 05/3/13	115	110(%)
	Post translocation survey	4 days	Mon 05/3/14	Thu 05/3/17	106	un 3
	Post pice construction survey	15 days	Wed 06/7/19	Wed 06/8/2	397	
	Temporary cover to existing pier	123 days	Mon 04/11/15	Thu 05/3/17		119 (V) ROUND ROUND WORK TO THE REAL PROPERTY OF THE ROUND TO THE ROUN
	Design and ICE checking	66 days	Mon 04/11/15	Wed 05/1/19		150 VILLALE LINE 11 10 10 10 10 10 10 10 10 10 10 10 10
	Suberissam for Engineer's comment	30 days	Titii 05/1/20	Fci 05/2/18	120	121 \$500000000000
	Lisection	23 days	Sat 05/2/19	Sat 05/3/12	121	181 (2/17/2/27)
	Certified by ICE and commissioning	5 days	Sun 05/3/13	Thu 05/3/17	122	129 (5)
	Provision of temporary berth	247 days	Man G4'11/85	Tue 05/7/19		134 (V ROMEROMARE MARKETS ENGINEERING SERVICE DE L'ANDRE DE L'ANDR
	Design and ICE electring of temporary berth	80 days	Mon 04/11/15	Wed 05/2/2		12 HERRICH TORONOMONIONINO
	Submission for Engineer's commont	81 days	Tho 05/2/3	Sun 05/4/24	125	125 (500000000000000000000000000000000000
	Filing (phase 1)	31 days	Mon 03-4/25	Wed 05/5/25	123.136,117,23,20.25,42	127 2003536536532360
	Piling (Phase 2)	9 days	Fri 05/6/10	Sat 05/6/16	56	
	Deck construction and installation of fenders	25 daya	Sun 05/6/19	Wed 05/7/13	1,28	
	Relocation of opvigation light by Marine Dept.	81 days	Man Q5/4/25	Thin 05/7/14		130 🕶 10000000000000000000000000000000000
	Application to Marine Department	BO days	Mon 05/4/25	Wed 05/7/13	K-1+11-11-11-11-1-1-1-1-1	an distributions
	Relocation works	1 day	Thu 05/7/14	Thu 05/7/14	139,351	
	Certified by ICE, texting and commissioning of berth.	5 days	En 05/7/15	Tae 05/7/19	112	
	Demolition of part of the existing pier	115 days	Man 05/4/18	Wed #5/8/10		134 (V) BARAGE B
	Survey of existing structures	Il days	Mon 05/4/18	Wed 05/5/18	**************	11/1/19/19/19/19/19/19/19/19/19/19/19/19
	Design and ICF cheeking of demolition plan	32 dnys	The 05/5/19	San 05/6/19		116 (1111)

Cart Control (Section 180) State Congramme (Version 1)

Normal Task

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Critical Task (Sec. 1) 272217222722 Ministrance Recoil

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Page 4

/013

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lan Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.
Commencement Date: 15th Nov 2004
Completion Date: 6th Aug 2006
Programme Date: 21st Feb 2005

	Tait Nave	Daeckei	Stat	Finish	Andresson	wiled wil
	Submissiza for Engineer's comments	30 days	Mout 05/6/20	Tue 0.5/7/19	136	
	Lianson with local residents	30 days	Moit 05/6/240	Ting (15/7/19	1995	
	Dentaligins	22 days	Wed 05/7/20	Wed 05/8/10	133.138,137	
6	General investigation	129 days	West 04/12/29	Fri 05/5/6	(24.01.03X100X40.0000	CAMPAGE TO THE PROPERTY OF THE
í)	Submission for Engineer's comment	68 days	Wed 04/12/29	Sun 05/3/6		tel stationer maken mercen from
ż	Ground investigation works on sik	20 days	Fyi 05/3/18	Wed 05/4/6	141,36,117	142 (15555500)
14	Preparation and approval of reports	10 days	Thu 05/4/7	Sat 05:4/16	142	1.43 (1838)
	Submission of reports to determine pile founding levels	20 days	Sun 05/4/17	Pri 05/5/6	(43	IN CONTROL
15	PHing for permanent pier	342 days	Sat 05/1/1	The 05/12/8		TO A MAINTANAMENT AND
ti-	Compilation of method statement for pilling	33 days.	Sat 05/1/1	Wed 05/2/2		He GESTRANSMANA
Œ	Submission for Engages's commont	189 days	Thu 05/2/3	Wed 05/8/10	146	144 QARIMONDO CONTRACTOR POR PORTO CONTRACTOR PORTO CONTR
ik.	Vertical preliminary pite and testing	15 days	Thu 05/8/11	Thu 05/8/25	147,139,65,144	
pr	Verneal amin piles (EL,E4,D1,D4,C1,C4)	20 days	Fri 05/8/26	₩cd 05/9/14	143	
i ·	Lemporary platform for roking pile	21 days	The 05/9/15	Wed 05/10/5	(19)	
1	Vertical mails pile (remainting 15 nos)	45 days	The 05/9/15	Set 05/10/29	18	
2	Raking preliminary piles and testing	Łő duys	The 05/10/6	Fyi 05/10/21	150,62	
4 1	Raking main piles (remaining 9 nos)	33 days	Sat 05/10/22	Wed 05/11/23	, isa	
1	Pile tests for main piles	15 days	Thu 05/11/24	Thu 05/12/8	191,183	
14	Construction of pile cap and deck	201 days	Wed 05/8/10	Sun 06/2/26		
4	Submission and approval of precist yard	60 days	Wed 05/8/10	Sat 05/10/8	The same of the sa	
55	Custing of precost units at precost yard	60 days	Mon 05/10/10	Tau 05/12/8	156	
4	Design and ICE checking of falsework for pile cap and deck	60 days	Sat 05/9/10	Tue 05/11/8	Ammunum.	
54	construction Submissects of calculation and method statement for	30 days	Wed 05/11/9	The 05/12/8	188	
	Engineer's approved	a series	. W. DESKENSKY, #500	I		
p)x	Exection of fulsework for installation of precast units	20 days	Rii 05:12/9	Wed 05/12/28		
-1	lostallation of presest units with mostlu pile caps	55 days	Fri 05/12/9	Wed 06/2/1	XX	
F.	Casting of media pier dock	25 days	Thu 06/2/2	Sim 06/2/26	101,144	
63	Construction of bollants	25 days	Thu 06/2/2	Sun 06/2/26		
Ni.	Installation of corresion monitoring system	85 tlays	Sun 05/12/4	Sun 06/2/26	Automorphic progr	
145	Approval of specialist contractor and method shalement	60 days	Sun 05/12/4	Wed 06/2/1	Anna Carraga and C	
14.	Justal arion of concesson monitoring system	25 days	Thu 06/2/2	Sun 06/2/26	5 141,165	
105	f austruction of villa	11 6 days	Pri 86/2/17	Tue 06/6/6	Janes and Sandara	
ra-	Concrete structure	50 days	Mon 06/2/27	Mon 06/4/17	162	
Pier	Firemag.	110 days	Fri 06/2/17	Tue 06/6/6		
130	Material submission	60 days	Fri 06/2/17	Man 06/4/17	/ the transfer	
Sec. 1	Construction	50 days	Tue 06/4/18	Tue 06/6/6	158,176	*** !

Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd.

Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

Programme Date: 21st Feb 2005

Cart Have:	Durton	Stan	Finish	Preile; essors	19 Nex
Construction of walking cover 1 & 2	245 days	Wed 05/10/5	Tue 06/6/6		THE PROPERTY OF THE PROPERTY O
Approval of specialist contractor	60 days	Wed 05/10/5	Sat 05/12/3		
Submission of workshop drawings for connection details with the k	60 days	Sun 05/12/4	Wed 06/2/1	in	
Material sulmissions	85 days	Sun 05/12/4	Sun 06/2/26	171	
Submission of workshop drawing for remnining roof system	85 days	Sun 05/12/4	Sun 06/2/26	179	
Construction of sicel works	50 days	Moii 06/2/27	Mon 06/4/17	276,162,175	
Prection of roof covers	50 days	Tue 06/4/18	Tue 06/6/6	177	
Electrical system, CLP meter box and lighting system	200 clays	Tue 05/11/29	Frt 06/6/16		
Approval of specialist contractor	30 days	The 05/11/29	Wed 05/12/28	*************	
Liaison with CLP and EMSD	60 days	The 05/12/29	San 06/2/26	100	
Justaflation	100 days	Мон 06/2/27	Tue 06/6/6	(62,181	
Testing	10 days	Wed 06/6/7	Fri 06/6/16	182	
Construction of Boor finish	130 days	Thu 06/3/9	Sun #6/7/16		
Material submissions	90 days	Thu 06/3/9	Tae 06-6/6		
Site works	40 days	Wed 06/6/7	Sun 06/7/16	1.41,105,171	
Construction of hand railing, senting benches and natice boards	ISB days	141 06/2/LT	Sun 86/7/16		
Material submission	60 days	Firi 06/2/17	Mon 06/4/17		
Construction	90 days	Tue 06/4/18	Son 06/7/16	185	
Installation of feuder system	190 days	Sun 06/1/8	Sun 66/7/16		
Material submission	31 days	Shin D6/1/R	Tue 06/2/7		
Ordering of moterial	59 days	Wed 06/2/8	Fri 06/4/7	191	
Site werks	10:1 days	Sat 06/4/8	Sun 06/7/16	192	
Relocation of navigation light by Marine Dept.	92 days	Mon 06/4/17	Mon 06/7/17		
Application to Marine Department	91 days	Mon 06/4/17	Sunt 06/7/16		
Relocation	I day	Mon 06/7/17	Mon 06/7/17	150,195,195,386,169	
Commissioning of the pier	1 day	Tue 06/7/18	Tue 66/7/18	156	
Demotition of the temporary berth and the existing pier	141 days	Sun 06/3/19	Sun 06/8/6		
Survey to existing structure	3t days	Son 06/3/19	Tue 06/4/18		
Design and ICE checking of demolition plan	61 days	Wed 064/19	Sun 06/6/18	195	
Submission for Engineer's comments	30 days	Men 06/6/19	The 06/7/18	3865	
Education with local residents	30 days	Mon 06/6/19	Tue 06/7/18	260	
Demolition	19 days	Wed 06/7/19	Sim 95/8/6	197,242,201	
Maintenance Period for the Works	365 days	31on 06/8/7	Mon 17/8/6	203	

Chimago New Programmes (Mession 2)

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Page 6

Contractor: Kin Shing Construction Co. Ltd. Contract No.: CV/2004/02 Master Programme Commencement Date: 15th Nov 2004 Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 Section (1997) 1997 (1997) 199 o interesserate establishment de la contraction TO SECURISE SECURITION OF THE PRODUCTION OF THE PRODUCT OF THE PRO 32 CHRITICHEN Chical Tata (See 1 & 2) 100000000000000 Critical Task (See 2) CHETTETTO PROPERTY PARKS Summary

Completion Milestone

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Critical Toric (Sep 1) ZZZZZZZZZZZ Ministantore Pedial

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antice No. CV-2050-02. Place Department Version 24

Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Master Programme Centract No.: CV/2004/02 Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 THE SAME AS A SAME WERE AREA THE ROOM WOMEN AND ARRANG AND ANALYSIS WHICH AND AREA TO A SAME A S 57 (\$247) 549 (1417) a Carrentenine to CHILLETTO CONTO Y XE-FEERSELESKAANGAUVENENNUENNUENNUEN SSR OF STREET, * ETHINETHER HALLIER #2663 es Millimiting Critical Task (Sire) & 2) B000000000000 Critical Task (Sire 2) STEELES STATES GREETHER PROPERTY Summery Namel Took

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Children Task (Sec 1)

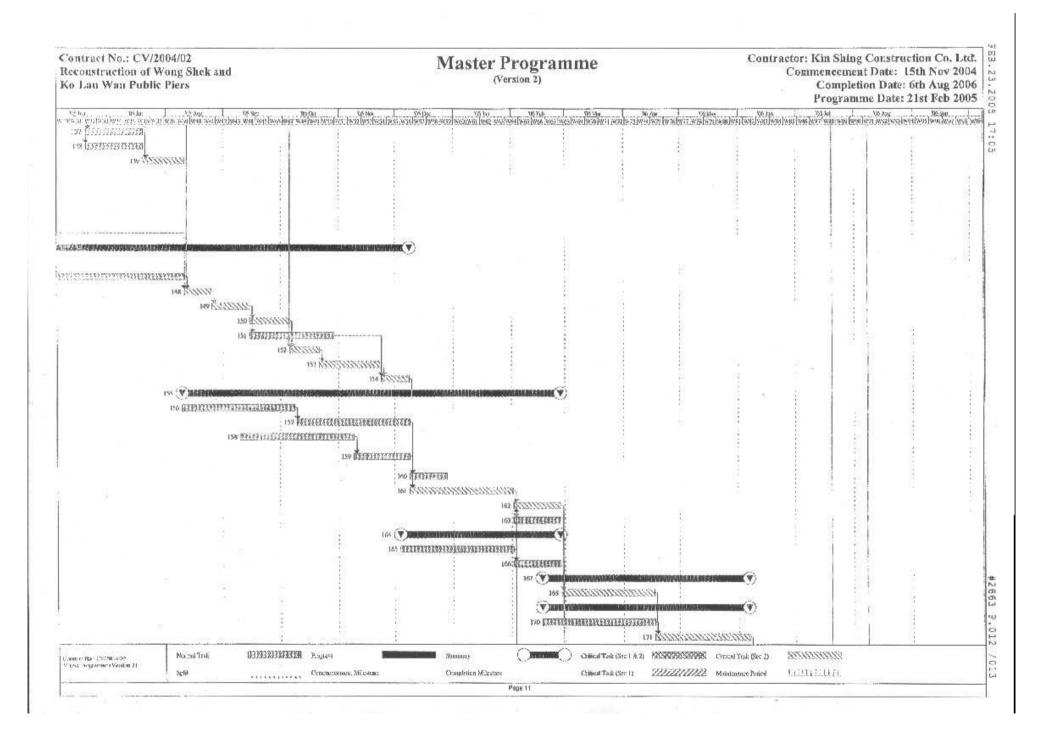
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Сонтаностан Индехона

Contractor: Kin Shing Construction Co. Ltd. Contract No.: CV/2004/02 Master Programme Commencement Date: 15th Nov 2004 Reconstruction of Wong Shek and (Version 2) Completion Date: 6th Aug 2006 Ko Lau Wan Public Piers Programme Date: 21st Feb 2005 To Company the property of the contract of the 72 THE STREET OVERABBORE Y eltektisterferentettististen 75 ETRORYSBURYSBURYS TO UNDERSTREET PROPERTY OF THE PROPERTY OF THE PARTY OF T is decreases and account and alternation a TODINORUT KINDONINIA ss Therepresently PRESENTATION OF 88 Personapparisententerterrentited no Crigoriom con considerante de la constantión dos dos constantes de la constantión or attendentellengengeretererreiter-OS (TA PERFERENCES EN LA PROPERTIE DE LA PROPE 98 FEFFERMANNIA WENTHER PROPERTY OF THE PARTY O 102 TELLEGISTES STATES QBlog Two (Ser 1 & 2) 8229256825968 Croint Tolk (Ser 2) TETHETTE [5325322322323] Frigate Nerval link Centure, No. 425 (CHAO) DHILL CHANG VZZZZZZZZZA Maintennice Percel Combittion Milliances Commencer and Miledone

Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Contract No.: CV/2004/02 Master Programme Reconstruction of Wong Shek and Completion Date: 6th Aug 2006 Ko Lau Wan Public Plers Programme Date: 21st Feb 2005 105 (PERELIGATERA) 10) TREETERNALISMENTER MENTERS TREETERS. ICH (TEETETEEREEREERE) ROL ico francisco in the case are an acceptance of TIR [25225823] TO CHEST CHEST CONTRACT Y 28 282 119 - 52575 5575 V MERSHAMENANA V .watententer #2663 \$250 COOKERSON AND STREET 'n. 12302 No.mal Task (BILLIANIA) Progress STEEDERS ! Sumper Construction Sec. (19 2004-02) Moster Programmy - Version 25 Сомпаседан Мібаков VIII VIII Minimustor Percel Completion Militatens Crisk# Took (Sec. 9) ELECTIVE III. Page 10



Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Master Programme

Contractor: Kin Shing Construction Co. Ltd. | 122 Commencement Date: 15th Nov 2004

Completion Date: 6th Aug 2006

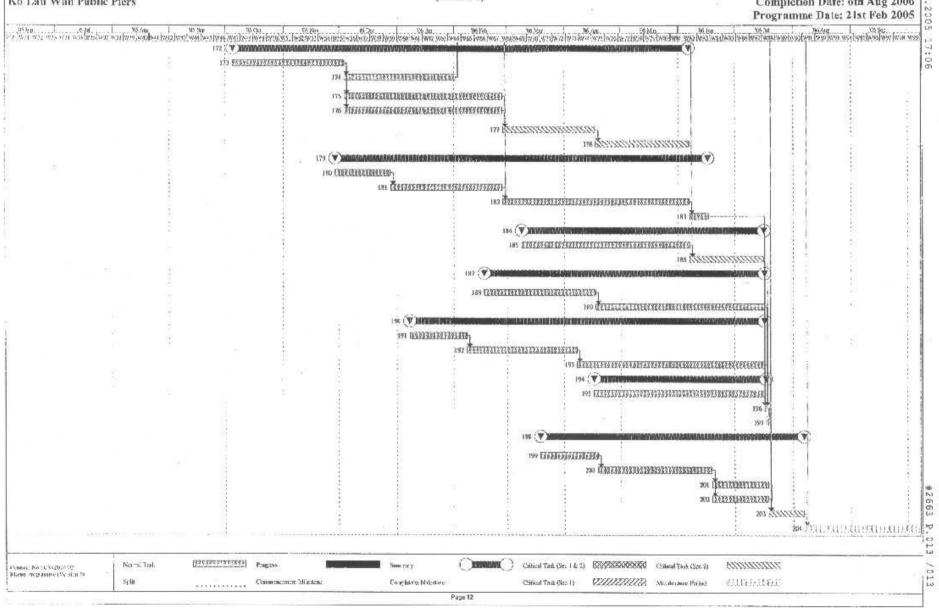
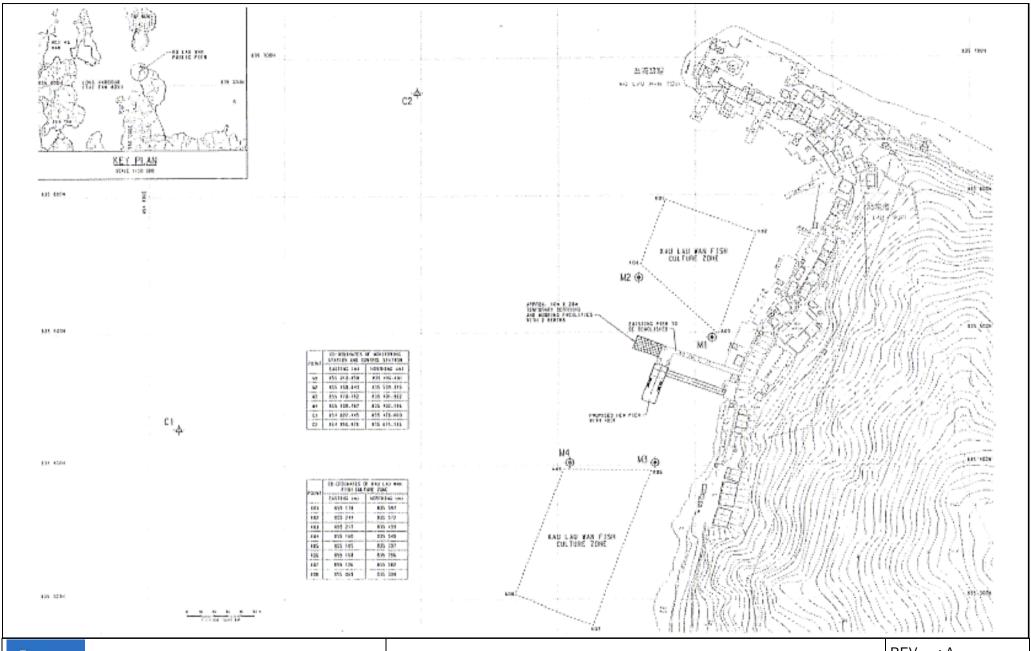




Figure 4.1

Layout of Environmental Monitoring Stations





Lam Environmental Services
Test Specialists and Environmental Analysts

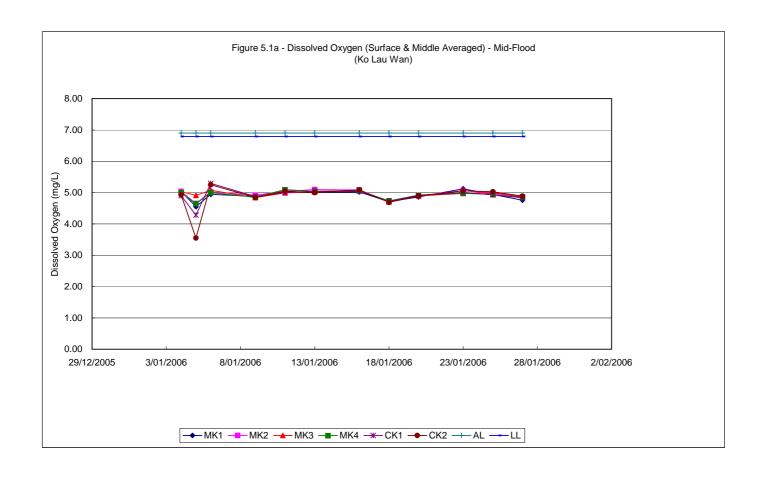
FIGURE 4.1 LAYOUT OF ENVIRONMENTAL MONITORING STATIONS (KO LAU WAN)

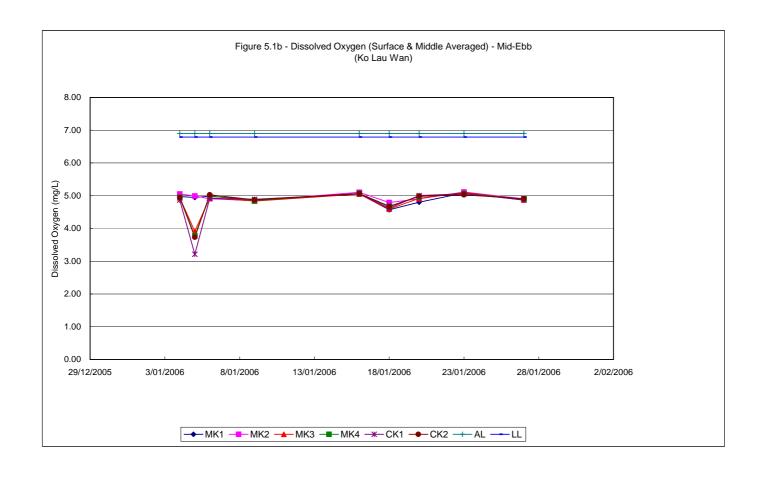
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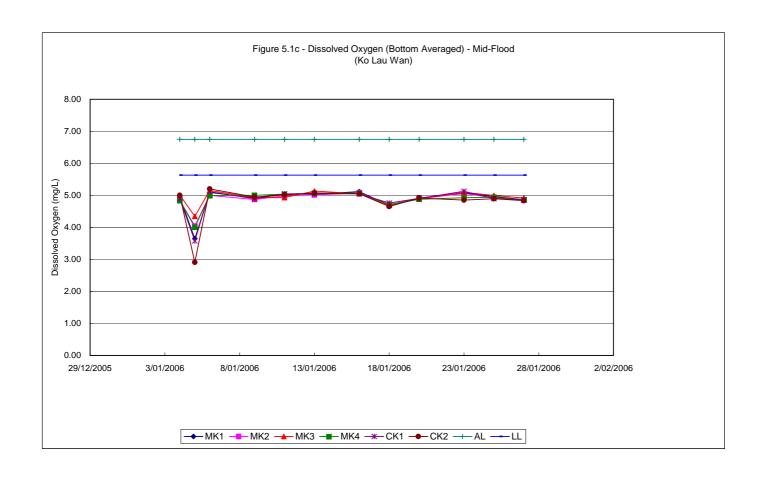


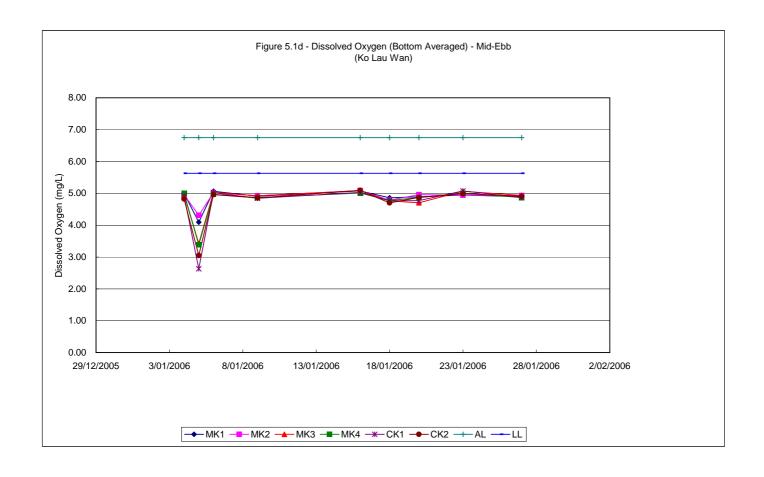
Graphical Plots of Water Quality Monitoring Results

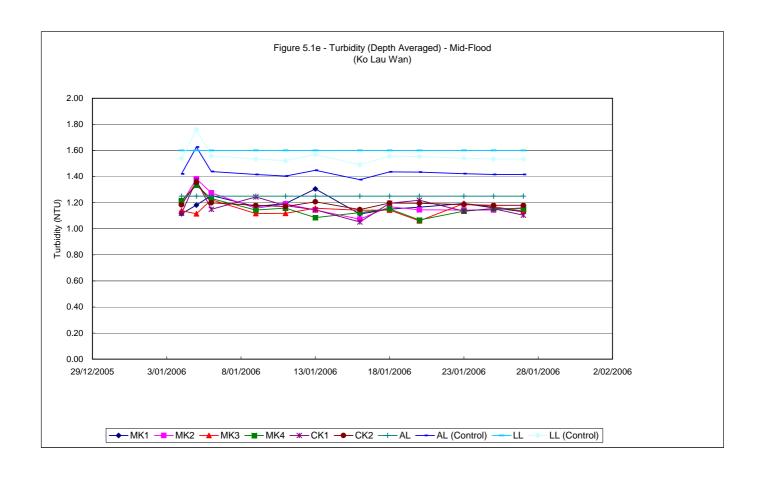
Figure 5.1a-h

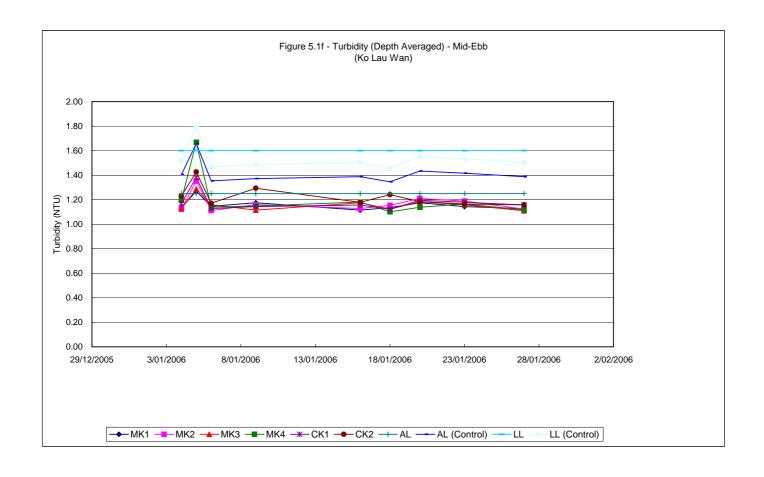


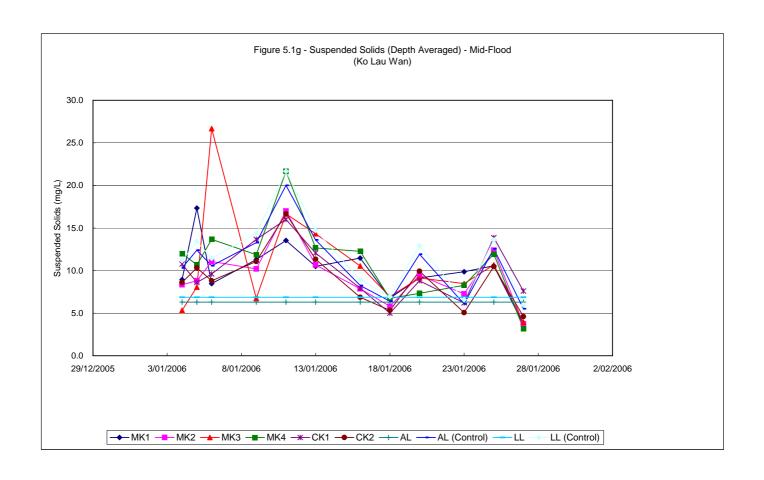


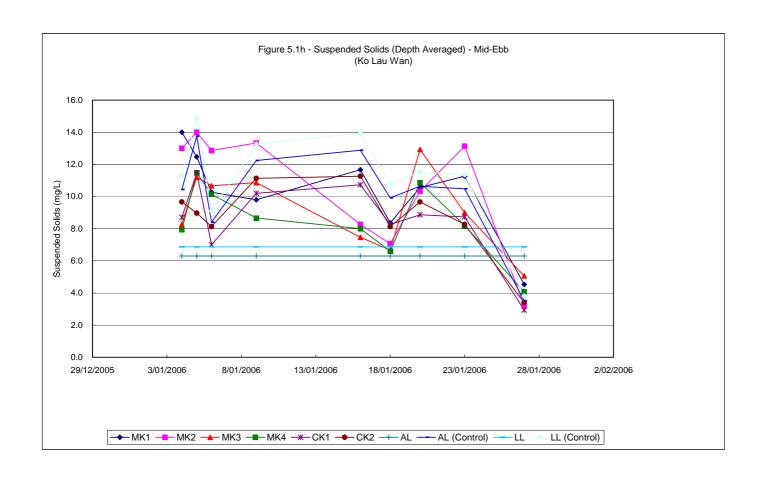












Appendix A

Organization Chart



Project Proponent

Civil Engineering and Development Civil Engineering Office Mr. David C. S. Leung

(Tel: 2760 5737; Fax: 2714 2054; Mobile: 96301235)

Environmental Team

Lam Environmental Services Mr. Raymond Dai Senior Environmental Scientist (Tel: 2975 3300; Fax: 2897 5509; Mobile: 9738 0738)

Independent Environmental Checker

MateriaLab Consultants Limited
Mr. Jason T. L. Poon
Manager

(Tel: 2452 7140; Fax: 2450 6138; Mobile: 9450 1968)

Main Contractor

Kin Shing Construction Co. Ltd.
Mr. Simon Fok
Site Agent

(Tel: 27296779; Fax: 2729 7858; Mobile: 60108730)

Appendix B

Implementation Schedule of Mitigation Measures

Implementation Schedule of Mitigation Measures - Ko Lau Wan

Environmental Aspect	No.	Mitigation Measures	Implementation Status	Follow Up Action(s)
Air Quality	AQ01	Provide a wash-pit or a wheel washing and/or vehicle cleaning facility at the exits.	Not applicable at this stage	-
	AQ02	Provide a hard surfaced road between the wheel washing facilities and any finished road.	Not applicable at this stage	-
	AQ03	No burning of construction wastes or vegetation shall be allowed on the Site.	Implemented	-
	AQ04	In the process of material handling, any material which has the potential to create dust shall be treated with water or sprayed with wetting agent.	Not applicable at this stage	-
	AQ05	Any vehicle with an open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards.	Not applicable at this stage	-
	AQ06	Materials 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.	Not applicable at this stage	-
	AQ07	Stockpiles of sand, aggregate and construction and demolition material greater than 20m3 shall be enclosed on three sides, with walls extending above the pile and 2 meters beyond the front of the pile.	Not applicable at this stage	-
	AQ08	Water sprays shall be provided and used both to dampen stored materials and when receiving raw materials.	Not applicable at this stage	-
	AQ09	Clean and water the Site to minimize the fugitive dust emissions.	Implemented	-
	AQ10	Furnace, boiler or other plant or equipment or use any fuel that might in any circumstances produce smoke or any other air pollution should not be installed.	Implemented	-
Noise	N01	All plant and equipment to be used on Site are properly maintained in good operating condition and noisy construction activities shall be effectively sound-reduced by means of silencers, mufflers, acoustic linings or shields, acoustic sheds or screens or other means to avoid disturbance to any nearby noise sensitive receivers.	Implemented	-
	N02	No excavator mounted breaker shall be used within 125m from any nearby noise sensitive receivers. Use hydraulic concrete crusher whenever applicable.	Implemented	-
	N03	All construction works should stop on Sundays and General Holidays.	Implemented	-
Water Quality	WQ01	Water in wheel washing facilities shall be changed at frequent intervals and sediments shall be removed regularly.	Not applicable at this stage	-
	WQ02	The polluted water from the wheel washing facilities would not be discharged into all existing stream courses/drains and nearby waterbodies.	Not applicable at this stage	-
	WQ03	All existing stream courses and drains within, and adjacent to the Site should be kept free from any debris and any excavated materials arising from the Works	Implemented	-
	WQ04	Chemicals and concrete agitator washings should not be deposited in watercourses.	Implemented	-
	WQ05	The effluent shall comply with the standards stated in the "Technical Memorandum on Standards and Effluent discharges into Drainage and Sewerage Systems, Inland and Coastal Waters" for the appropriate Water Control Zone.	Implemented	-
	WQ06	No spoil or debris of any kind is allowed to be pushed, washed down, fall or be deposited on land or on the seabed adjacent to the Site.	Implemented	-
	WQ07	Maintain any existing site drainage system at all times including removal of solids in sand traps, manholes and stream beds.	Implemented	-
	WQ08	Material from any earthworks should not be washed into the drainage system.	Implemented	-

CEDD Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers

Implementation Schedule of Mitigation Measures - Ko Lau Wan

Environmental Aspect	No.	Mitigation Measures	Implementation Status	Follow Up Action(s)
	WQ09	Silt curtain shall be provided during all demolition works and piling works with the Site.	Silt curtain cover is not enough to prevent the mud water spilt out from the piling activities	Provide adequate silt curtain
	WQ10	Silt curtain shall be formed from tough, abrasion-resistant permeable membranes suitable for the purpose, supported on floating booms in such a way as to ensure that the passage of turbid water to the surrounding water shall be restricted.	Implemented	-
	WQ11	No dredging and spoil dumping shall be conducted.	Not applicable at this stage	-
Ecology	E01	Marker buoys shall be set up to indicate the location of the "Coral Exclusion Zone". All working vessels shall be restricted to encroach the "Coral Exclusion Zone"	Implemented	-
	E02	No overloading of the working barges during operation and no movement of the working barges, particularly close to the pier and shallow areas, during low tide should be allowed.	Not applicable at this stage	-
	E03	No coral shall be enclosed by the silt curtain.	Not applicable at this stage	-
Waste	W01	All excavated materials should be sorted to recover the inert portions for reuse on site or disposal to designated outlets.	Implemented	-
	W02	All metals should be recovered on site for collection by recycling contractors.	Implemented	-
	W03	All cardboard and paper packaging should be recovered on site, properly stockpiled in dry condition and covered to prevent cross contamination by other C&D materials.	Implemented	-
	W04	All demolition debris from demolition works should be sorted to recover on site broken concrete, reinforcement bars, mechanical and electrical fittings as well as other building services fittings/materials that have established recycling outlets.	Implemented	-

Appendix C

Calibration Certificates for Monitoring Equipment

Procedure IC34 Version 3 Date: 14 September 2005

Record sheet for calibration of Water Sonde

Item Stock No: FXDate of Calibration: (K(Plo5. Procedure Used: IC 34
Temp.: 32, 0, Operator: Signature:
A <u>Temperature Check</u>
Reference Equipment Used: Mercury-in-Glass thermometer Stock No.: (53
Reference Equipment reading: 34.0 °C Sonde reading %.0 °C
Reference Equipment reading: 23.6 °C Sonde reading: 23.6 °C
(Note: Difference between the two readings to be <0.5°C.)
B DO (% Saturation) Calibration
To be performed in aerated clean sea water before use and checked after use. Difference should be less than 10%.
Laboratory Check
Zero DO check (prepared in clean sea water according to APHA 4500-O G, section 3a.)
probe reading
C Conductivity (Salinity Calibration)
Standards Used: ppt , ,
Check Standard : ppt Readout Value : ppt
Difference between readout value and actual value should be less than 3%.
D <u>Conductivity Calibration</u>
Standards Used:,, (mS/cm)
Check Standard : Readout Value : (mS/cm)
Difference between readout value and actual value should be less than 2%.

Procedure IC34 Version 3 Date: 14 September 2005

E <u>Turbidity Calibration</u>		
Standards Used:,	, ,	(NTU)
Check Standard :	Readout Value :	(NTU)
Difference between readout value a	and actual value shoul	ld be less than 10%.
F <u>pH check</u>		
Standards Used : pH 7.00	, pH	
Buffer standard: pH <u> </u>		
QC Check Standard: pH 9.182.	Readout Value : pH	9.18.
Difference between readout value a	and actual value shoul	ld be +/- 0.03pH unit.
Certified by:	Date : <i>[</i>	& Systous

Procedure IC 51 Version No.: 1

Date: 30 December 2001

CALIBRATION OF BIOCHEMICAL OXYGEN DEMAND PROBE (BY WINKLER TITRATION)

Conducted by:	alibration Temperature : 22 C ate : 2819(05 ate : 29-195
---------------	--

(1) Standardization of sodium thiosulphate (Na₂S₂O₃) solution

	,	
	Trial 1	Trial 2
Final Vol. of Na ₂ S ₂ O ₃ used, mL		
Initial Vol. of Na ₂ S ₂ O ₃ used, mL		
Vol. of Na ₂ S ₂ O ₃ consumed (O), mL		
Normality of Na ₂ S ₂ O ₃ solution (N), N		
Average normality of Na ₂ S ₂ O ₃ solution	0.023	05
	standard 500	L on 2017/

Calculation:

N = 1/0

1.00

(2) Calibration of DO meter with distilled/deionised water

	Trial 1	Trial 2	Trial 3
Final Vol. of Na ₂ S ₂ O ₃ used, mL	(A.3) 23	33.8	45.7
Initial Vol. of Na ₂ S ₂ O ₃ used, mL	(03	72.5	33.8
Vol. of Na ₂ S ₂ O ₃ used (V), mL	12.0	11.5	11.4
Dissolved oxygen,(DO) mg/L	Rin.	7.18	7.05
Average of dissolved oxygen)	7.085	
DO determined by BOD probe		7.05	
Acceptance criteria, Deviation	Less	than +/- 0.3 mg	g DO/L

Calculation:

 $\mathbb{DO} (mg/L) = \mathbb{V} \times \mathbb{N} \times 7999.7/(300-2)$

Cortified by:

Procedure IC 51 Version No. : 1

Date: 30 December 2000

(3) Calibration of salinity compensator [10 ppt or 20 ppt]

	Trial 1	Trial 2	Trial 3
Final Vol. of Na ₂ S ₂ O ₃ used, mL	20.7	31.5	GA (1.4
Initial Vol. of Na ₂ S ₂ O ₃ used, mL	10.3	20.7	71.8
Vol. of $Na_2S_2O_3$ used (V), mL	10.4	105	(0.)
Dissolved oxygen,(DO) mg/L	6.44	6.50.	631
Average of dissolved oxygen		6.4).	
DO determined by BOD probe		633.	
Acceptance criteria, Deviation	Less than +/- 0.3 mg DO/L		g DO/L

Calculation:

$$DO(mg/L) = V \times N \times 7999.7/(300-2)$$

(4) Calibration of temperature compensator

	Trial 1	Trial 2
Temperature reading from BOD probe		
Temperature reading from reference thermometer ()		
Acceptance criteria, Deviation	Less than	+/- 1°C

(5) Linearity Check of BOD probe

	Reading form BOD probe	Result from Winker Titration
First point (7 – 9 mg/L)		
	• •	
Second point (4 - 6 mg/L)		
· · · · · · · · · · · · · · · · · · ·		
Third point (1 –3 mg/L)		
Linearity, R		
.		
Acceptance Criteria, R	R > 0.	996
,,,,,,	1	

Procedure IC34 Version 2 Date: 4 May 1999

Record sheet for calibration of Water Sonde

TUがはより. Item Stock No:Date of Calibration:28 日 (35I	
Temp.: γ Operator: γ Signature	e: All
A Temperature Check	
Reference Equipment Used: Mercury-in- Glass thermometer Sto	ock No.:
Reference Equipment reading:°C Sonde reading	°C
Reference Equipment reading : °C Sonde reading	:°C
(Note: Difference between the two readings to be <0.5°C.)	
B DO (% Saturation) Calibration To be performed in aerated clean sea water before use and check	sked after use Difference
should be less than 10%.	oked after use. Difference
Laboratory Check	
Zero DO check (prepared in clean sea water according to APHA 45	
probe reading %	In D.O. calibration
C Conductivity (Salinity Calibration)	In D.O. calibration vks: 10 ppt. stal. +> 10.35 ppt
Standards Used: ppt ,,	. 11,
Check Standard: 35 Fppt Readout Value: 35 35	ppt
Difference between readout value and actual value should be less t	han 3%.
D <u>Conductivity Calibration</u>	
Standards Used:,, (mS/cr	m) .
Check Standard: Readout Value:	(mS/cm)
Difference between readout value and actual value should be less t	han 2%.

Procedure IC34 Version 2

Date: 4 May 1999

E <u>lurbidity Calibration</u>		
Standards Used:,	,	(NTU)
Check Standard:	Readout Value :	(NTU)
Difference between readout value a	and actual value should	be less than 10%.
Certified by: Section Manager	Date:	305-ptor

Appendix D

Water Quality Monitoring Results

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 4/1/2006 Weather Condition: Sunny Ambient Temperature, C: 15 Tide State: Mid-Flood

Station	Time		Overall	Sampling	_		Dissolve			Dissolve	- , ,		Salinity,	_	Turbidity			Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	10:20			1	15.1	15.1	5.06	5.02	5.04	62.3	62.5	62.3	35.2	35.2	0.86	1.04		10.0			
MK1 M	10:21	Mid Wave	7	3.5	15.0	15.0	5.04	5.02	5.04	62.0	62.4	02.3	35.1	35.1	1.23	1.38	1.12	7.2		8.9	
MK1 B	10:23			6	14.9	14.9	4.93	4.95	4.94	60.6	61.3	61.0	35.1	35.1	1.15	1.03		9.6			
MK2 S	10:30			1	15.1	15.1	4.97	5.03	5.04	61.8	62.0	00.7	35.2	35.2	1.19	1.04		9.0			
MK2 M	10:32	Mid Wave	14	7	15.0	15.0	5.06	5.08	5.04	63.3	63.5	62.7	35.1	35.1	1.27	1.20	1.20	8.2		8.3	
MK2 B	10:37			13	14.9	14.9	4.83	4.86	4.85	61.4	61.3	61.4	35.1	35.1	1.28	1.19		7.8			
MK3 S	10:00			1	15.1	15.1	5.13	5.08	5.03	62.4	62.3	61.4	35.1	35.1	1.05	1.08		6.6			
МКЗ М	10:01	Mid Wave	7	3.5	15.0	15.0	4.94	4.97	5.03	60.3	60.6	61.4	35.2	35.2	0.93	1.29	1.14	4.6		5.3	
МКЗ В	10:03			6	15.0	15.0	5.02	5.00	5.01	61.3	61.8	61.6	35.0	35.0	1.33	1.15		4.8			
MK4 S	10:10			1	15.1	15.1	4.95	4.95	5.00	61.5	61.4	61.9	35.2	35.2	1.38	1.22		12.0			
MK4 M	10:12	Mid Wave	15	7.5	15.0	15.0	5.03	5.05	5.00	62.3	62.4	61.9	35.1	35.1	1.17	1.01	1.22	13.0		12.0	
MK4 B	10:18			14	15.0	15.0	4.82	4.85	4.84	61.3	61.0	61.2	35.2	35.2	1.35	1.17		11.0			
CK1 S	10:50			1	15.1	15.1	4.92	4.99	4.90	62.4	62.3	62.2	35.2	35.2	1.39	1.16		11.0	7.8		
CK1 M	10:52	Mid Wave	17	8.5	14.9	14.9	4.83	4.86	4.90	62.0	61.9	62.2	35.1	35.1	1.04	0.91	1.12	15.0	13.0	10.8	
CK1 B	10:59			16	14.9	14.9	4.88	4.90	4.89	62.4	62.4	62.4	35.1	35.1	1.01	1.20		7.8	10.0		
CK2 S	10:40			1	15.1	15.1	4.87	4.93	4.93	60.3	60.0	60.7	35.2	35.2	1.16	1.31		8.0	_		
CK2 M	10:42	Mid Wave	17	8.5	14.9	15.0	4.97	4.93	4.93	61.0	61.4	60.7	35.1	35.1	1.24	1.06	1.18	9.8		8.6	
CK2 B	10:49			16	14.9	14.9	5.01	4.99	5.00	61.3	61.7	61.5	35.1	35.1	1.19	1.14		8.0			

Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: Raymond EM 2365 ____10.6 NTU Turbidity Meter: Calibration Check: Checked By: 35.4 ppt Salinity Meter: EM 6167 11/1/2006 EM 6167 Thermometer:

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 4/1/2006 Weather Condition: Sunny Ambient Temperature, C: 15 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxygen	n, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	15:50			1	15.3	15.3	5.03	5.06	4.98	63.4	63.2	62.6	35.2	35.2	1.25	1.18		11.0			
MK1 M	15:50	Mid Wave	6	3	14.9	14.9	4.93	4.88	4.90	61.9	61.7	02.0	35.2	35.2	1.29	0.93	1.14	19.0		14.0	
MK1 B	15:52			5	14.8	14.8	5.02	4.98	5.00	62.8	63.4	63.1	35.1	35.1	1.03	1.14		12.0			
MK2 S	16:00			1	15.3	15.3	5.00	4.97	5.05	63.5	63.6	63.9	35.2	35.2	0.88	1.22		17.0			
MK2 M	16:01	Mid Wave	13	6.5	15.0	15.0	5.13	5.11	5.05	64.6	63.8	63.9	35.2	35.2	1.34	1.15	1.12	10.0		13.0	
MK2 B	16:06			12	14.8	14.8	4.96	4.95	4.96	62.0	61.8	61.9	35.1	35.1	1.06	1.09		12.0			
MK3 S	15:30			1	15.4	15.4	4.83	4.86	4.93	60.4	60.7	61.5	35.2	35.2	1.22	1.31		8.2			
мкз м	15:30	Mid Wave	6	3	15.1	15.1	5.04	5.00	4.55	62.5	62.3	01.5	35.2	35.2	1.04	1.13	1.13	8.2		8.3	
МКЗ В	15:32			5	14.9	14.9	4.95	4.97	4.96	62.3	62.1	62.2	34.0	35.0	0.97	1.08		8.4			
MK4 S	15:40			1	15.4	15.4	4.93	4.91	4.95	62.2	61.8	62.5	35.1	35.2	1.30	1.31		7.2			
MK4 M	15:42	Mid Wave	14	7	15.0	15.0	5.02	4.95	4.93	62.8	63.1	02.3	35.1	35.1	1.27	1.11	1.20	5.6		7.9	
MK4 B	15:47			13	14.9	14.9	4.96	5.04	5.00	61.1	61.5	61.3	35.0	35.0	1.27	0.91		11.0			
CK1 S	16:20			1	15.3	15.3	4.88	4.83	4.86	60.9	60.9	61.0	35.1	35.1	1.04	1.18		5.8	5.2		
CK1 M	16:22	Mid Wave	16	8	14.9	14.9	4.87	4.87	4.00	61.3	61.0	01.0	35.1	35.1	1.26	1.41	1.17	6.6	7.6	8.7	
CK1 B	16:28			15	14.8	14.8	4.92	4.91	4.92	61.8	62.2	62.0	35.0	35.0	0.98	1.15		15.0	12.0		
CK2 S	16:10			1	15.3	15.3	4.89	4.95	4.94	62.2	62.1	62.7	35.1	35.1	1.17	1.09		5.4			
CK2 M	16:12	Mid Wave	16	8	14.9	14.9	5.02	4.91	7.54	63.4	63.1	02.7	35.1	35.1	1.28	1.15	1.23	8.6		9.7	
CK2 B	16:18			15	14.8	14.8	4.80	4.84	4.82	61.8	61.8	61.8	35.0	35.0	1.37	1.32		15.0			

Equipment used: Dissolved Oxygen Meter: EM 6167 100 100%: Calibration Check: Sampled By: Raymond 10.6 NTU Turbidity Meter: EM 2365 Calibration Check: Checked By: Salinity Meter: EM 6167 Calibration Check: 35.4 ppt 11/1/2006 Thermometer: EM 6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 5/1/2006 Weather Condition: Cloudy Ambient Temperature, °C: 16 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	ture, °C	Dissolve	d Oxyger	n, mg/L	Dissolve	d Oxyger	, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	a	b	a	b	Average	·		Depth Average	
MK1 S	12:15			1	18.2	18.5	4.82	4.83	4.55	76.2	76.1	70.5	32.7	33.0	1.27	1.30		15.0			
MK1 M	12:20	Mid Wave	7	3.5	18.6	18.7	4.27	4.28	4.55	70.8	70.7	73.5	33.5	33.4	1.19	1.20	1.18	20.0		17.3	
MK1 B	12:23			6	19.4	19.5	3.64	3.65	3.65	64.2	63.9	64.1	34.4	34.5	1.04	1.09		17.0			
MK2 S	12:27			1	18.7	18.9	4.89	4.89		76.6	76.4		32.8	32.9	1.20	1.24		10.0			
MK2 M	12:30	Mid Wave	16	8	18.9	19.0	4.42	4.41	4.65	72.4	71.7	74.3	33.2	33.1	1.57	1.59	1.38	9.0		8.8	
MK2 B	12:34			15	19.5	19.4	4.05	4.03	4.04	68.7	68.4	68.6	33.7	33.5	1.04	1.65		7.4			
MK3 S	11:40			1	18.2	18.3	5.17	5.19	4.91	79.2	79.1	70.0	33.0	33.1	0.85	0.86		8.2			
мкз м	11:45	Mid Wave	7	3.5	18.5	18.6	4.65	4.64	4.91	74.7	74.2	76.8	34.2	34.1	1.32	1.35	1.12	10.0		8.1	
МКЗ В	11:48			6	19.4	19.6	4.34	4.35	4.35	71.4	71.3	71.4	34.9	34.8	1.15	1.16		6.0			
MK4 S	11:53			1	18.4	18.5	4.82	4.81	4.64	76.6	76.4	74.4	32.4	32.3	1.39	1.37		8.0			
MK4 M	11:56	Mid Wave	15	7.5	18.9	19.0	4.47	4.46	4.64	72.4	72.3	74.4	33.5	33.6	1.22	1.24	1.33	12.0		10.7	
MK4 B	12:00			14	19.2	19.3	4.00	4.02	4.01	68.8	68.9	68.9	34.2	34.3	1.38	1.39		12.0			
CK1 S	12:11			1	18.5	18.4	4.53	4.54	4.28	73.9	73.7	71.0	33.6	33.4	1.40	1.42		6.2			
CK1 M	12:25	Mid Wave	17	8.5	18.7	18.5	4.02	4.03	4.20	68.2	68.1	71.0	34.4	34.3	1.27	1.25	1.37	7.6		8.6	
CK1 B	12:30			16	19.4	19.6	3.57	3.58	3.58	63.6	63.7	63.7	34.7	34.5	1.44	1.44		12.0			
CK2 S	12:33			1	18.2	18.0	3.76	3.74	3.55	65.0	65.2	62.4	32.5	32.3	1.38	1.39		11.0	7.4		
CK2 M	12:37	Mid Wave	16	8	18.8	18.7	3.34	3.36	3.55	61.7	61.7	63.4	33.2	33.1	1.22	1.23	1.36	14.0	13.0	10.3	
CK2B	12:40			15	19.2	19.3	2.90	2.92	2.91	57.4	57.2	57.3	34.1	34.0	1.45	1.46		11.0	5.6		

Equipment used: Dissolved Oxygen Meter: Calibration Check: EM 6167 100 100%: Sampled By: Pong 9.8 NTU Raymond EM 2365 Turbidity Meter: Calibration Check: Checked By: _____ ppt Salinity Meter: EM 6167 12/1/2006 EM 6167 Thermometer:

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 5/1/2006 Weather Condition: Cloudy Ambient Temperature, C: 16 Tide State: Mid-Ebb

Station	Time		Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyger	, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	17:49			1	18.2	18.1	5.42	5.43	4.95	82.4	82.3	77.5	34.2	34.1	1.02	1.05		13.0			
MK1 M	17:53	Mid Wave	6	3	18.7	18.5	4.46	4.47	4.95	72.7	72.6	77.5	34.7	34.9	1.32	1.33	1.27	16.0		12.5	
MK1 B	17:55			5	19.5	19.6	4.09	4.10	4.10	68.2	68.1	68.2	35.4	35.2	1.44	1.45		8.4			
MK2 S	17:57			1	17.4	17.3	5.12	5.14	4.99	79.5	79.3	77.8	34.0	34.2	0.96	0.98		16.0			
MK2 M	18:00	Mid Wave	15	7.5	18.0	18.2	4.85	4.86	4.99	76.0	76.2	11.0	35.2	35.1	1.47	1.48	1.35	14.0		14.0	
MK2 B	18:04			14	18.2	18.3	4.30	4.32	4.31	71.9	71.7	71.8	35.5	35.6	1.60	1.62		12.0			
MK3 S	17:18			1	18.0	18.2	4.04	4.03	3.91	68.2	68.1	66.9	33.4	33.5	1.32	1.37		9.6			
мкз м	17:23	Mid Wave	6	3	18.4	18.5	3.79	3.79	3.91	65.7	65.6	00.9	33.9	34.0	1.34	1.33	1.29	12.0		11.2	
МКЗ В	17:30			5	18.9	19.1	3.42	3.43	3.43	62.4	62.6	62.5	34.2	34.3	1.16	1.20		12.0			
MK4 S	17:34			1	18.2	18.3	3.91	3.92	3.78	67.0	67.3	65.7	33.5	33.2	1.49	1.50		9.4			
MK4 M	17:39	Mid Wave	14	7	18.7	18.9	3.63	3.64	3.76	64.2	64.1	03.7	33.7	33.6	1.67	1.68	1.67	11.0		11.5	
MK4 B	17:45			13	19.4	19.3	3.38	3.39	3.39	61.5	61.5	61.5	34.4	34.6	1.84	1.83		14.0			
CK1 S	18:09			1	17.6	17.5	3.29	3.40	3.21	60.6	60.5	59.4	33.0	33.4	1.04	1.06		7.4			
CK1 M	18:14	Mid Wave	16	8	18.1	18.0	3.07	3.09	3.21	58.2	58.3	33.4	34.2	33.1	1.47	1.48	1.38	12.0		11.5	
CK1 B	18:16			15	19.2	19.1	2.62	2.64	2.63	54.4	54.3	54.4	34.7	34.8	1.62	1.62		15.0			
CK2 S	18:19			1	17.5	17.6	3.95	3.96	3.73	67.9	67.8	65.6	33.4	33.6	1.17	1.20		11.0	3.8		
CK2 M	18:23	Mid Wave	15	7.5	18.4	18.4	3.50	3.52	3.73	63.2	63.4	03.6	33.9	34.0	1.49	1.47	1.43	11.0	11.0	9.0	
CK2 B	18:30	1		14	18.7	18.9	3.04	3.06	3.05	58.8	58.7	58.8	34.8	34.6	1.61	1.62		8.6	8.4		

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	Pong
	Turbidity Meter:	EM	2365	Calibration Check:	9.7	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:		ppt	Date:	12/1/2006
	Thermometer:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 6/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 19 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	iture °C	Dissolve	d Oxygen	ma/l	Dissolve	d Oxyger	1 %	Salinity,	nnt	Turbidity	NTII		Suspend	ded Solids	s ma/l	Remarks
Otation	THITC		Depth, m		а	b	а		Average	а	b	Average	а	b b	a	b	Average	Ouspend		Depth Average	Remains
MK1 S	10:20			1	17.3	17.3	4.83	4.76	4.94	62.8	62.9	63.7	34.9	34.9	1.24	1.53		8.4	6.8		
MK1 M	10:21	Small Wave	7	3.5	17.1	17.1	5.07	5.11	4.94	64.6	64.3	65.7	34.8	34.8	1.19	1.23	1.26	9.0	8.2	8.5	
MK1 B	10:23			6	17.0	17.0	5.09	5.09	5.09	64.8	65.0	64.9	34.9	34.9	1.08	1.26		8.4	10.0		
MK2 S	10:30			1	17.5	17.5	5.04	4.92	5.02	64.4	64.4	64.9	34.9	34.9	1.36	1.41		13.0			
MK2 M	10:32	Small Wave	14	7	17.2	17.2	5.06	5.06	5.02	65.2	65.4	64.9	34.8	34.8	1.25	1.46	1.28	11.0		11.1	
MK2 B	10:37			13	17.2	17.2	5.04	4.96	5.00	64.9	65.3	65.1	34.8	34.8	1.04	1.13		9.2			
MK3 S	10:00			1	17.5	17.5	5.11	5.11	5.08	66.2	66.3	65.5	34.8	34.8	1.20	1.31		25.0			
МКЗ М	10:01	Small Wave	8	4	17.1	17.1	5.02	5.06	3.00	64.6	64.9	00.0	34.9	34.9	1.18	1.01	1.22	30.0		26.7	
МКЗ В	10:04			7	17.0	17.0	5.16	5.14	5.15	64.3	64.4	64.4	34.9	34.9	1.26	1.37		25.0			
MK4 S	10:10			1	17.5	17.5	5.03	5.05	5.00	64.6	64.8	64.3	34.9	34.9	1.44	1.32		13.0			
MK4 M	10:12	Small Wave	14	7	17.1	17.1	4.99	4.92	3.00	64.0	63.7	04.3	34.8	34.8	1.22	1.18	1.23	16.0		13.7	
MK4 B	10:17			13	17.0	17.0	4.95	5.04	5.00	63.4	63.5	63.5	34.8	34.8	1.09	1.14		12.0			
CK1 S	10:50			1	17.6	17.6	5.25	5.23	5.29	68.2	68.0	68.6	34.8	34.7	1.26	1.18		6.8			
CK1 M	10:52	Small Wave	16	8	17.3	17.3	5.35	5.34	0.23	69.3	69.0	00.0	34.8	34.8	1.10	1.23	1.15	12.0		9.6	
CK1 B	10:58			15	17.2	17.2	5.10	5.13	5.12	66.2	66.1	66.2	34.8	34.8	0.97	1.15		10.0			
CK2 S	10:40			1	17.6	17.6	5.30	5.25	5.25	69.6	70.3	69.7	34.8	34.8	1.33	1.19		7.2			
CK2 M	10:42	Small Wave	16	8	17.3	17.3	5.21	5.24	5.25	69.4	69.6	09.7	34.8	34.8	1.04	1.22	1.20	9.4		8.8	
CK2 B	10:48			15	17.3	17.3	5.22	5.18	5.20	67.4	67.5	67.5	34.8	34.8	1.17	1.24		9.8			

Equipment used: Dissolved Oxygen Meter: Calibration Check: EM 6167 100 100%: Sampled By: 9.4 NTU Raymond EM 2365 Turbidity Meter: Calibration Check: Checked By: 35.3 ppt Salinity Meter: EM 6167 13/1/2006 Thermometer: EM 6167

Project Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 6/1/2006 Weather Condition: Sunny Ambient Temperature, C: 19 Tide State: Mid-Ebb

Station	Time		Overall	Sampling		_	Dissolve			Dissolve			Salinity,	_	Turbidity			Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	16:10			1	17.4	17.4	4.89	4.91	4.99	62.8	63.0	63.7	35.0	35.0	1.34	1.15		8.0	7.8		
MK1 M	16:10	Mid Wave	6	3	17.2	17.2	5.10	5.04	4.99	64.5	64.4	63.7	34.9	34.9	1.09	1.20	1.15	14.0	9.8	10.3	
MK1 B	16:12			5	17.1	17.1	5.13	5.00	5.07	63.9	64.3	64.1	35.0	34.9	1.01	1.09		10.0	12.0		
MK2 S	16:20			1	17.4	17.3	4.93	4.92	4.91	63.9	62.4	63.0	35.0	35.0	0.93	1.03		18.0			
MK2 M	16:21	Mid Wave	13	6.5	17.2	17.2	4.86	4.91	4.91	62.7	62.8	63.0	34.9	34.9	1.17	1.26	1.11	11.0		12.9	
MK2 B	16:26			12	17.2	17.2	5.04	5.00	5.02	64.4	64.6	64.5	35.0	34.9	1.24	1.04		9.6			
MK3 S	15:50			1	17.3	17.3	4.93	5.02	4.93	64.0	63.8	64.1	35.0	35.0	1.08	1.11		9.4			
МКЗ М	15:50	Mid Wave	6	3	17.1	17.1	4.91	4.87	4.93	64.2	64.5	64.1	34.9	35.0	0.83	1.23	1.16	7.6		10.7	
МКЗ В	15:52			5	17.1	17.1	5.06	5.00	5.03	65.3	65.6	65.5	35.0	35.0	1.36	1.34		15.0			
MK4 S	16:00			1	17.3	17.3	4.93	4.96	4.99	64.7	65.1	65.1	35.0	34.9	1.24	0.92		9.4			
MK4 M	16:01	Mid Wave	13	6.5	17.1	17.1	5.06	5.00	4.99	65.4	65.3	05.1	34.9	34.9	1.31	1.18	1.14	10.0		10.1	
MK4 B	16:06			12	17.1	17.1	4.97	4.97	4.97	63.9	63.8	63.9	35.0	35.0	0.93	1.26		11.0			
CK1 S	16:40			1	17.3	17.3	4.89	4.89	4.92	62.6	62.8	63.0	34.9	34.9	1.41	1.13		5.4			
CK1 M	16:42	Mid Wave	15	7.5	17.1	17.1	4.92	4.97	4.92	63.1	63.4	63.0	34.9	34.9	1.04	1.19	1.13	5.6		7.0	
CK1 B	16:48			14	17.1	17.1	5.03	5.01	5.02	64.5	64.3	64.4	35.0	34.9	1.13	0.87		10.0			
CK2 S	16:30	_		1	17.3	17.3	4.97	5.04	5.03	63.8	63.9	64.4	34.9	34.9	1.06	1.25		6.2		_	
CK2 M	16:32	Mid Wave	15	7.5	17.1	17.1	5.05	5.06	5.03	64.7	65.0	04.4	35.0	35.0	1.33	1.07	1.17	7.2		8.1	
CK2 B	16:38			14	17.0	17.0	4.98	4.94	4.96	63.5	63.0	63.3	34.9	34.9	1.18	1.14		11.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.4	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.3	ppt	Date:	13/1/2006
	Thormomotor:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 9/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 18 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	iture, °C	Dissolve	d Oxyger	n, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	15:00			1	17.2	17.2	4.85	4.89	4.88	60.8	61.2	61.3	35.1	35.1	1.02	1.18		12.0	10.0		
MK1 M	15:01	Mid Wave	7	3.5	17.0	17.0	4.91	4.87	4.00	61.4	61.6	01.3	35.1	35.1	1.25	1.17	1.17	7.6	18.0	11.3	
MK1 B	15:03			6	17.0	17.0	4.93	4.90	4.92	61.8	61.5	61.7	35.1	35.1	1.09	1.31		9.2	11.0		
MK2 S	15:10			1	17.2	17.2	4.91	4.91	4.00	62.0	61.7		35.1	35.1	1.41	1.24		11.0			
MK2 M	15:11	Mid Wave	13	6.5	17.0	17.0	4.94	4.92	4.92	61.5	62.0	61.8	35.1	35.1	1.16	1.07	1.16	8.6		10.2	
MK2 B	15:16			12	16.9	16.9	4.85	4.89	4.87	61.3	61.7	61.5	35.1	35.1	1.05	1.01		11.0			
MK3 S	14:40			1	17.2	17.2	4.88	4.83	4.04	60.3	61.6		35.1	35.1	1.22	1.15		9.0			
МКЗ М	14:41	Mid Wave	7	3.5	17.2	17.2	4.82	4.83	4.84	61.2	61.1	61.1	35.1	35.1	1.22	1.14	1.12	4.2		6.7	
МКЗ В	14:43			6	17.1	17.1	4.91	4.95	4.93	62.3	61.9	62.1	35.1	35.2	1.07	0.90		7.0			
MK4 S	14:50			1	17.2	17.2	4.90	4.82	4.85	61.5	61.8	04.0	35.1	35.1	1.36	1.18		15.0			
MK4 M	14:52	Mid Wave	14	7	17.1	17.1	4.83	4.85	4.85	60.9	61.0	61.3	35.1	35.1	1.05	1.12	1.14	9.6		11.9	
MK4 B	14:57			13	17.1	17.0	5.01	4.99	5.00	61.9	62.9	62.4	35.1	35.1	1.13	1.02		11.0			
CK1 S	15:30			1	17.2	17.2	4.92	4.90	4.00	62.2	62.2	64.0	35.2	35.2	1.27	1.35		12.0			
CK1 M	15:32	Mid Wave	17	8.5	17.0	17.0	4.83	4.85	4.88	61.8	61.4	61.9	35.2	35.2	1.08	1.16	1.24	15.0		13.7	
CK1 B	15:39			16	17.0	17.0	4.88	4.90	4.89	62.3	62.5	62.4	35.1	35.1	1.22	1.38		14.0			
CK2 S	15:20			1	17.2	17.2	4.85	4.85	4.05	61.5	61.8	64.7	35.2	35.2	1.38	1.15		9.0			
CK2 M	15:22	Mid Wave	17	8.5	17.0	17.0	4.81	4.88	4.85	61.7	61.7	61.7	35.2	35.2	1.04	1.21	1.18	15.0		11.1	
CK2 B	15:29			16	16.9	17.0	4.93	4.96	4.95	62.4	62.7	62.6	35.2	35.2	1.11	1.19		9.2			

Equipment used: Dissolved Oxygen Meter: EM 6167 100 100%: Calibration Check: Sampled By: Raymond ____10.3 NTU EM 2365 Turbidity Meter: Calibration Check: Checked By: 35.4 ppt Salinity Meter: EM 6167 16/1/2006 EM 6167 Thermometer:

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 9/1/2006 Weather Condition: Sunny Ambient Temperature, C: 18 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	iture, °C	Dissolve	d Oxyger	n, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	led Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	10:00			1	17.2	17.2	4.87	4.81	4.87	61.9	61.4	61.9	35.2	35.2	1.07	1.34		9.2	5.0		
MK1 M	10:00	Mid Wave	6	3	17.1	17.1	4.93	4.88	4.07	62.2	61.9	01.9	35.2	35.2	1.29	1.13	1.18	17.0	9.8	9.8	
MK1 B	10:02			5	17.1	17.1	4.91	4.91	4.91	62.4	62.5	62.5	35.1	35.2	1.16	1.06		11.0	6.8		
MK2 S	10:10			1	17.2	17.2	4.82	4.79	4.85	60.8	61.3	61.4	35.3	35.2	1.31	1.05		16.0			
MK2 M	10:11	Mid Wave	12	6	17.0	17.0	4.85	4.94	4.03	61.5	61.8	01.4	35.2	35.2	1.22	1.34	1.16	13.0		13.3	
MK2 B	10:16			11	16.8	16.8	4.95	4.90	4.93	61.9	61.7	61.8	35.2	35.2	1.01	1.03		11.0			
MK3 S	9:40			1	17.2	17.2	4.85	4.81	4.84	61.3	61.8	61.5	35.1	35.2	0.94	1.13		8.6			
мкз м	9:40	Mid Wave	6	3	16.9	16.9	4.80	4.88	4.04	61.4	61.6	01.5	35.2	35.2	1.22	1.26	1.12	10.0		10.9	
мкз в	9:42			5	16.9	16.9	4.91	4.94	4.93	62.2	62.0	62.1	35.2	35.2	1.05	1.09		14.0			
MK4 S	9:50			1	17.2	17.2	4.81	4.83	4.85	61.6	61.8	62.0	35.2	35.2	1.28	1.15		5.0			
MK4 M	9:51	Mid Wave	13	6.5	17.0	17.0	4.92	4.85	4.03	62.3	62.1	02.0	35.2	35.2	1.16	1.24	1.15	9.0		8.7	
MK4 B	9:56			12	16.9	17.0	4.87	4.86	4.87	61.8	62.0	61.9	35.2	35.2	1.07	0.99		12.0			
CK1 S	10:30			1	17.2	17.2	4.93	4.88	4.89	62.3	62.2	62.1	35.2	35.2	1.18	1.24		7.8			
CK1 M	10:32	Mid Wave	16	8	16.9	16.9	4.88	4.88	4.09	61.9	62.1	02.1	35.1	35.1	1.15	1.07	1.14	8.8		10.2	
CK1 B	10:38			15	16.7	16.7	4.85	4.84	4.85	61.8	61.8	61.8	35.2	35.2	1.09	1.13		14.0			
CK2 S	10:20			1	17.1	17.1	4.90	4.91	4.87	62.6	62.2	62.3	35.2	35.2	1.09	1.36		7.4			
CK2 M	10:22	Mid Wave	16	8	16.9	17.0	4.85	4.83	4.07	62.3	62.0	02.3	35.2	35.2	1.37	1.18	1.29	13.0		11.1	
CK2 B	10:28			15	16.8	16.8	4.86	4.85	4.86	61.7	61.5	61.6	35.2	35.2	1.40	1.36		13.0			

Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: Raymond EM 2365 Turbidity Meter: Calibration Check: 10.3 NTU Checked By: Salinity Meter: EM 6167 Calibration Check: 35.4 ppt 16/1/2006 Thermometer: EM 6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: <u>J429</u> Date of Sampling: 11/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 19 Tide State: Mid-Flood Temperature, °C Dissolved Oxygen, mg/L a b a b Average Turbidity, NTU a b Suspended Solids, mg/L Station MK1 S 1 17.0 4.97 4.95 35.0 1.17 5.02 62.0 62.3 10.0 MK1 M 16:31 Mid Wave 3.5 17.0 17.0 5.06 5.11 62.5 35.0 35.0 1.19 1.24 1.19 14.0 13.5 MK1 B 16:33 62.4 35.0 1.27 16.0 6 16.9 16.9 5.04 5.04 5.04 62.0 62.2 35.0 1.23 8.2 MK2 S 16:40 17.0 17.0 5.13 5.07 62.2 62.4 35.0 35.0 1.29 1.18 19.0 5.05 MK2 M 16:42 7.5 17.0 17.0 5.02 4.96 61.3 61.0 35.0 35.0 1.17 1.09 20.0 MK2 B MK3 S 16:10 17.0 17.0 5.03 5.01 62.3 35.0 1.08 1.03 18.0 4.99 62.0 16:11 7 MK3 M Mid Wave 3.5 17.0 17.1 4.97 4.95 61.5 61.4 34.9 34.9 1.26 1.04 1.12 20.0 16.7 мкз в 16:13 17.1 4.90 4.96 4.93 61.3 61.7 61.5 34.9 34.9 1.19 1.11 12.0 17.1 MK4 S 16:20 17.0 17.0 62.4 62.5 34.9 27.0 5.16 5.18 34.9 1.31 1.10 5.10 Mid Wave 35.0 1.05 18.0 MK4 B 17.1 5.02 5.06 60.5 60.6 35.0 CK1 S 17:00 17.0 4.96 61.2 35.0 35.0 1.11 18.0 5.01 17:02 61.8 62.3 35.0 1.19 12.0 CK1 M Mid Wave 17 8.5 16.9 16.9 5.03 5.04 35.0 1.06 1.18 16.0 CK1 B 17:09 16 16.9 16.9 5.02 5.07 5.05 61.9 62.1 62.0 35.0 35.0 1.25 1.21 18.0 CK2 S 16:50 17.0 17.0 5.12 5.04 35.0 1.33 13.0 62.3 61.8 35.0 1.30 5.05 62.2 16.7 CK2 M 16:52 8 16.9 16.9 5.01 5.03 62.2 62.5 35.0 35.0 1.14 1.01 19.0 CK2B 16.9 4.99 61.9 Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: 9.6 NTU 2365 Calibration Check: Checked By: Raymond Turbidity Meter: EM Salinity Meter: 6167 18/1/2006 35.5 ppt Thermometer: EM 6167 Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: <u>J429</u> Weather Condition: Date of Sampling: 11/1/2006 Ambient Temperature, °C: 16 Tide State: Mid-Ebb at 05:10 Station Remarks Depth, m Depth,m b Average а b b b MK1 S #DIV/0! #DIV/0 MK1 N #DIV/0! #DIV/0! MK1 B #DIV/0! #DIV/0! MK2 S #DIV/0! #DIV/0 #DIV/0! MK2 M MK3 S #DIV/0! #DIV/0 MK3 M #DIV/0! #DIV/0! МКЗ В #DIV/0! #DIV/0 MK4 S #DIV/0! #DIV/0! MK4 M MK4 B #DIV/0! #DIV/0! CK1 S #DIV/0! #DIV/0 CK1 M #DIV/0! #DIV/0! CK1 B #DIV/0! #DIV/0! CK2 S #DIV/0! #DIV/0 #DIV/0! CK2 M Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: 9.7 NTU EM 2365 Calibration Check: Checked By: Turbidity Meter: Raymond Salinity Meter: EM 6167 Calibration Check: 35.5 ppt 18/1/2006

EM

6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: <u>J429</u> Date of Sampling: 13/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 20 Tide State: Mid-Flood Temperature, °C Dissolved Oxygen, mg/L a b a b Average Turbidity, NTU a b Suspended Solids, mg/L Station MK1 S 1 17.5 5.07 4.96 65.0 35.2 1.95 5.01 14.0 MK1 M 18:01 Mid Wave 3.5 17.4 17.4 5.02 5.00 65.2 64.8 35.2 35.2 1.13 1.22 1.31 17.0 10.5 MK1 B 18:03 17.4 64.9 64.5 35.2 6 17.4 5.04 5.03 5.04 64.7 35.2 1.30 1.14 10.0 6.6 MK2 S 18:10 17.4 17.4 5.13 5.11 66.0 65.8 35.2 35.2 1.15 0.96 14.0 5.10 MK2 M 18:11 17.4 17.4 5.09 5.05 65.7 65.8 35.1 35.1 1.08 1.26 8.0 MK3 S 17:40 17.4 17.4 5.06 5.09 65.5 35.2 1.14 1.09 11.0 5.02 65.3 17:41 7 MK3 M Mid Wave 3.5 17.3 17.3 4.96 4.97 65.1 65.1 35.2 35.1 1.33 1.21 1.16 12.0 14.3 17.4 мкз в 17:43 5.13 5.14 5.14 66.2 66.3 66.3 35.1 35.1 1.06 1.11 20.0 17.3 MK4 S 17:50 17.3 17.3 5.04 65.2 65.6 35.2 0.94 8.0 5.01 35.2 1.20 17:51 Mid Wave 35.2 1.13 18.0 MK4 B 17.3 5.10 5.04 66.3 66.1 35.2 35.2 CK1 S 18:30 4.99 64.9 35.2 35.2 1.24 18.0 5.05 17.3 65.6 66.1 35.2 1.24 6.2 CK1 M 18:32 Mid Wave 17 8.5 17.3 5.10 5.06 35.2 1.09 1.15 12.1 CK1 B 18:39 16 17.3 17.3 5.07 5.03 5.05 65.8 65.5 65.7 35.2 35.2 1.07 1.19 12.0 CK2 S 18:20 17.3 17.4 65.7 1.33 13.0 5.04 5.00 65.6 35.2 35.2 1.16 5.00 65.4 CK2 M 18:22 8 17.3 17.3 4.97 4.99 65.1 65.3 35.2 35.2 1.24 1.12 12.0 CK2B 17.3 5.07 65.7 Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: 10.6 NTU 2365 Calibration Check: Checked By: Raymond Turbidity Meter: EM Salinity Meter: 6167 35.3 ppt 20/1/2006 Thermometer: EM 6167 Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: <u>J429</u> Weather Condition: Date of Sampling: 13/1/2006 Ambient Temperature, °C: 16 Tide State: Mid-Ebb at 06:38 Station Remarks Depth, m Depth,m b Average а b b b MK1 S #DIV/0! #DIV/0 MK1 N #DIV/0! #DIV/0! MK1 B #DIV/0! #DIV/0! MK2 S #DIV/0! #DIV/0! #DIV/0! MK2 M MK3 S #DIV/0! #DIV/0 MK3 M #DIV/0! #DIV/0! МКЗ В #DIV/0! #DIV/0 MK4 S #DIV/0! #DIV/0! MK4 M MK4 B #DIV/0! #DIV/0! CK1 S #DIV/0! #DIV/0 CK1 M #DIV/0! #DIV/0! CK1 B #DIV/0! #DIV/0! CK2 S #DIV/0! #DIV/0 #DIV/0! CK2 M

Equipment used: Dissolved Oxygen Meter:

Turbidity Meter:

Salinity Meter:

EM

EM

EM

EM

6167

2365

6167

6167

Calibration Check:

Calibration Check:

Calibration Check:

100 100%:

9.7 NTU

35.5 ppt

Sampled By:

Checked By:

Raymond

20/1/2006

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429 Tide State: Mid-Flood Date of Sampling: 16/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 19

Station	Time		Overall	Sampling			Dissolve			Dissolve			Salinity,	_	Turbidity			Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	19:15			1	17.6	17.6	4.97	5.02	5.02	64.8	65.0	65.2	35.0	35.0	1.07	0.93		11.0	11.0		
MK1 M	19:16	Mid Wave	7	3.5	17.4	17.4	5.03	5.06	5.02	65.4	65.6	65.2	35.0	35.0	1.24	1.13	1.11	8.8	14.0	11.5	
MK1 B	19:18			6	17.2	17.2	5.10	5.13	5.12	65.7	65.6	65.7	35.0	35.0	1.09	1.22		13.0	11.0		
MK2 S	19:25			1	17.8	17.8	5.13	5.15	5.00	66.4	65.9	05.7	35.0	35.0	1.13	1.20		8.2			
MK2 M	19:26	Mid Wave	13	6.5	17.4	17.4	5.02	5.04	5.09	65.3	65.2	65.7	34.9	34.9	0.83	1.12	1.07	7.4		7.9	
MK2 B	19:31			12	17.2	17.2	5.07	5.09	5.08	65.7	65.5	65.6	35.0	35.0	1.12	1.04		8.0			
MK3 S	18:55			1	17.7	17.7	5.05	5.03	5.08	65.5	65.3	65.5	34.9	34.9	1.09	0.90		8.8			
МКЗ М	18:56	Mid Wave	7	3.5	17.4	17.4	5.13	5.12	5.08	65.8	65.2	65.5	35.0	35.0	1.18	1.25	1.14	7.8		10.5	
МКЗ В	18:58			6	17.2	17.2	5.04	5.06	5.05	65.3	65.1	65.2	35.0	35.0	1.15	1.28		15.0			
MK4 S	19:05			1	17.7	17.7	5.11	5.07	5.07	66.2	66.3	66.0	35.0	35.0	1.03	1.03		8.8			
MK4 M	19:06	Mid Wave	13	6.5	17.5	17.5	5.04	5.04	5.07	65.7	65.8	00.0	35.0	35.0	1.21	1.05	1.12	15.0		12.3	
MK4 B	19:11			12	17.2	17.2	5.08	5.05	5.07	65.5	65.5	65.5	35.0	35.0	1.14	1.28		13.0			
CK1 S	19:45			1	18.0	18.0	5.03	5.03	5.04	65.5	65.4	65.5	35.1	35.1	1.01	1.20		8.2			
CK1 M	19:47	Mid Wave	17	8.5	17.5	17.4	5.07	5.04	5.04	65.3	65.7	65.5	35.0	35.0	0.97	1.16	1.05	7.4		7.9	
CK1 B	19:54			16	17.2	17.2	5.09	5.01	5.05	66.1	65.8	66.0	35.0	35.0	0.93	1.04		8.2			
CK2 S	19:35			1	17.9	17.9	5.15	5.12	5.09	66.3	66.6	66.0	35.0	35.1	1.22	1.15		6.4			
CK2 M	19:37	Mid Wave	16	8	17.5	17.5	5.04	5.04	5.09	65.4	65.6	66.0	35.0	35.0	1.04	1.11	1.15	7.8		6.9	
CK2 B	19:43			15	17.3	17.2	5.03	5.07	5.05	65.6	65.7	65.7	35.0	35.0	1.13	1.23		6.4			

Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: 9.6 NTU Raymond EM 2365 Turbidity Meter: Calibration Check: Checked By: 35.1 ppt Salinity Meter: EM 6167 23/1/2006 EM 6167 Thermometer:

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: <u>J429</u> Date of Sampling: 16/1/2006 Ambient Temperature, °C: 19 Tide State: Mid-Ebb

Weather Condition: Sunny

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxvaen	n. ma/L	Dissolve	d Oxvaer	1. %	Salinity,	ppt	Turbidity	. NTU		Suspend	ded Solids	s. ma/L	Remarks
			Depth, m		а	b	а		Average	а		Average	а	b	а		Average			Depth Average	
MK1 S	14:00			1	18.0	18.0	5.06	5.04	5.06	65.3	65.6	65.7	35.1	35.1	1.15	1.34		11.0	10.0		
MK1 M	14:00	Mid Wave	6	3	17.4	17.4	5.09	5.03	3.00	66.0	65.7	03.7	35.1	35.1	1.14	1.06	1.12	5.6	11.0	11.7	
MK1 B	14:02			5	17.1	17.2	5.08	5.07	5.08	65.7	65.9	65.8	35.0	35.0	1.08	0.92		6.4	26.0		
MK2 S	14:10			1	17.9	17.9	5.11	5.11	5.11	66.5	66.8	66.3	35.1	35.1	1.25	1.06		11.0			
MK2 M	14:11	Mid Wave	12	6	17.4	17.4	5.07	5.13	3.11	65.6	66.1	00.3	35.0	35.1	1.06	1.15	1.13	9.2		8.3	
MK2 B	14:16			11	17.2	17.2	5.09	5.08	5.09	65.8	65.7	65.8	35.1	35.1	1.11	1.14		4.6			
MK3 S	13:40			1	17.8	17.8	5.04	5.07	5.05	65.3	65.1	65.3	35.1	35.1	1.34	1.18		8.2			
мкз м	13:40	Mid Wave	6	3	17.5	17.5	5.06	5.03	3.03	65.4	65.3	03.3	35.0	35.0	1.23	1.09	1.18	7.4		7.5	
МКЗ В	13:42			5	17.2	17.2	5.10	5.07	5.09	65.8	66.1	66.0	35.0	35.0	1.08	1.13		6.8			
MK4 S	13:50			1	17.8	17.8	5.13	5.11	5.07	66.4	66.5	66.0	35.1	35.1	1.09	1.18		8.4			
MK4 M	13:51	Mid Wave	12	6	17.5	17.5	5.00	5.04	5.07	65.3	65.6	00.0	35.1	35.1	1.31	1.15	1.18	8.8		8.0	
MK4 B	13:56			11	17.2	17.2	4.97	5.05	5.01	65.1	65.4	65.3	35.1	35.1	1.23	1.13		6.8			
CK1 S	14:30			1	17.9	17.9	5.08	5.09	5.06	65.3	65.6	65.4	35.0	35.0	1.08	1.23		6.2			
CK1 M	14:32	Mid Wave	16	8	17.5	17.4	5.03	5.04	5.00	65.5	65.1	05.4	35.1	35.1	1.24	1.11	1.16	11.0		10.7	
CK1 B	14:38			15	17.3	17.3	5.05	5.01	5.03	64.8	65.2	65.0	35.1	35.1	1.16	1.12		15.0			
CK2 S	14:20			1	17.9	17.9	4.96	5.03	5.06	64.6	65.1	65.6	35.0	35.0	1.09	1.13		17.0			
CK2 M	14:22	Mid Wave	15	7.5	17.4	17.4	5.16	5.10	5.00	66.4	66.2	00.0	35.1	35.1	1.23	1.08	1.18	9.0		11.3	
CK2 B	14:28			14	17.3	17.3	5.12	5.07	5.10	65.9	66.1	66.0	35.1	35.1	1.33	1.21		7.8			

EM 6167 100 100%: Equipment used: Dissolved Oxygen Meter: Calibration Check: Sampled By: Raymond 9.6 NTU Turbidity Meter: EM 2365 Calibration Check: Checked By: Salinity Meter: EM 6167 Calibration Check: 35.1 ppt 23/1/2006 Thermometer: EM 6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 18/1/2006 Weather Condition: Cloudy Ambient Temperature, °C: 18 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tompore	ituro °C	Dissolve	d Ovygon	ma/l	Dissolve	d Owlgor	0/.	Salinity,	nnt	Turbidity	NITLI		Quenono	ded Solid:	e ma/l	Remarks
otatiOH	Time		Depth, m		a	b	a		Average	a	b b	Average	a a	b	a	b	Average	Suspend	Jeu Soliu:	Depth Average	Iveillains
MK1 S	9:50			1	17.2	17.2	4.73	4.77	4.71	61.4	61.9	C4.4	35.2	35.1	1.09	1.00		6.0	7.8		
MK1 M	9:51	Mid Wave	7	3.5	17.2	17.2	4.70	4.64	4.71	61.0	61.1	61.4	35.1	35.1	1.22	1.13	1.15	6.2	8.6	6.8	
MK1 B	9:53			6	17.1	17.1	4.71	4.67	4.69	61.8	61.5	61.7	35.1	35.1	1.16	1.30		2.4	9.6		
MK2 S	10:00			1	17.2	17.2	4.65	4.69	4.70	60.9	60.7	61.0	35.2	35.2	1.08	1.24		5.6			
MK2 M	10:02	Mid Wave	15	7.5	17.1	17.1	4.72	4.75	4.70	61.0	61.4	61.0	35.2	35.2	1.19	1.22	1.17	7.2		5.8	
MK2 B	10:08			14	17.2	17.2	4.73	4.70	4.72	61.3	61.5	61.4	35.1	35.1	1.21	1.07		4.6			
MK3 S	9:30			1	17.2	17.2	4.65	4.71	4.71	61.1	61.4	61.4	35.1	35.1	1.33	1.14		6.6			
МКЗ М	9:31	Mid Wave	7	3.5	17.2	17.2	4.73	4.73	4.71	61.5	61.4	01.4	35.1	35.1	1.12	1.14	1.14	8.4		6.9	
МКЗ В	9:33			6	17.2	17.2	4.70	4.68	4.69	61.6	61.9	61.8	35.1	35.1	1.20	0.93		5.8			
MK4 S	9:40			1	17.2	17.2	4.77	4.80	4.74	62.3	61.8	61.8	35.2	35.2	1.18	1.23		8.0			
MK4 M	9:42	Mid Wave	14	7	17.1	17.1	4.65	4.72	4.74	61.5	61.6	01.0	35.1	35.1	1.10	1.28	1.15	7.2		6.7	
MK4 B	9:47			13	17.1	17.1	4.73	4.69	4.71	62.0	61.7	61.9	35.1	35.1	1.09	1.03		5.0			
CK1 S	10:20			1	17.2	17.2	4.68	4.70	4.72	61.2	61.5	61.4	35.2	35.2	1.34	1.26		4.8			
CK1 M	10:22	Mid Wave	17	8.5	17.2	17.2	4.74	4.76	4.72	61.5	61.5	01.4	35.2	35.2	1.13	1.25	1.20	6.8		5.0	
CK1 B	10:29			16	17.2	17.2	4.77	4.75	4.76	62.0	61.7	61.9	35.2	35.2	1.08	1.11		3.4			
CK2 S	10:10			1	17.2	17.2	4.73	4.66	4.69	62.3	61.8	61.9	35.2	35.2	1.24	1.07		4.8			
CK2 M	10:12	Mid Wave	17	8.5	17.2	17.2	4.65	4.71	4.09	61.4	61.9	01.9	35.2	35.2	1.10	1.34	1.20	6.2		5.3	
CK2 B	10:19			16	17.2	17.1	4.62	4.68	4.65	62.1	62.0	62.1	35.2	35.2	1.27	1.16		5.0			

Equipment used: Dissolved Oxygen Meter: Calibration Check: EM 6167 100 100%: Sampled By: EM 2365 10.8 NTU Raymond Turbidity Meter: Calibration Check: Checked By: 35.5 ppt Salinity Meter: EM 6167 25/1/2006 Thermometer: EM 6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 18/1/2006 Weather Condition: Cloudy Ambient Temperature, C: 18 Tide State: Mid-Ebb

Station	Time		Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyger	, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU	_	Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	14:35			1	17.4	17.4	4.41	4.40	4.57	59.4	59.9	60.2	35.1	35.1	1.26	1.20		6.4	7.6		
MK1 M	14:35	Mid Wave	6	3	17.3	17.3	4.74	4.73	4.57	60.7	60.7	60.2	35.1	35.1	1.18	1.01	1.14	11.0	8.0	8.4	
MK1 B	14:37			5	17.3	17.3	4.86	4.86	4.86	62.0	62.0	62.0	35.1	35.1	1.04	1.12		8.4	8.8		
MK2 S	14:45			1	17.3	17.3	4.85	4.88	4.79	61.4	61.9	61.2	35.1	35.1	1.33	1.19		5.6			
MK2 M	14:47	Mid Wave	14	7	17.3	17.3	4.74	4.70	4.79	60.6	60.9	01.2	35.1	35.1	1.20	1.03	1.15	6.2		7.1	
MK2 B	14:52			13	17.3	17.3	4.81	4.76	4.79	61.7	62.0	61.9	35.1	35.1	1.03	1.14		9.4			
MK3 S	14:15			1	17.3	17.3	4.53	4.56	4.59	60.3	60.6	60.7	35.1	35.1	1.23	1.16		4.8			
МКЗ М	14:15	Mid Wave	6	3	17.3	17.3	4.62	4.66	4.59	60.8	61.1	60.7	35.1	35.1	1.05	1.11	1.12	6.2		6.7	
МКЗ В	14:17			5	17.3	17.3	4.74	4.78	4.76	61.7	61.9	61.8	35.1	35.1	0.97	1.22		9.0			
MK4 S	14:25			1	17.3	17.3	4.58	4.62	4.68	60.5	60.5	61.0	35.1	35.1	1.14	1.07		4.8			
MK4 M	14:26	Mid Wave	13	6.5	17.3	17.3	4.74	4.78	4.00	61.3	61.7	01.0	35.2	35.1	1.28	1.11	1.10	6.4		6.6	
MK4 B	14:31			12	17.3	17.3	4.80	4.75	4.78	61.8	61.8	61.8	35.1	35.1	1.07	0.94		8.6			
CK1 S	15:05			1	17.4	17.3	4.55	4.61	4.62	60.4	61.0	61.2	35.2	35.2	1.24	1.21		8.4			
CK1 M	15:07	Mid Wave	16	8	17.3	17.3	4.67	4.64	4.02	61.7	61.8	01.2	35.1	35.1	1.15	1.20	1.12	9.8		8.3	
CK1 B	15:13			15	17.3	17.3	4.76	4.77	4.77	62.5	62.4	62.5	35.1	35.1	1.03	0.90		6.6			
CK2 S	14:55		_	1	17.3	17.3	4.74	4.70	4.67	62.8	62.2	62.3	35.2	35.2	1.34	1.22		8.4			-
CK2 M	14:57	Mid Wave	16	8	17.3	17.3	4.63	4.60	4.07	62.3	61.9	02.3	35.2	35.2	1.18	1.25	1.24	6.2		8.1	
CK2 B	15:03]		15	17.3	17.3	4.69	4.71	4.70	61.8	61.9	61.9	35.1	35.1	1.26	1.20		9.8			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.8	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.5	ppt	Date:	25/1/2006
	Thormomotor:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 20/1/2006 Weather Condition: Hazy Ambient Temperature, °C: 18 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	ture, °C	Dissolve	d Oxyger	n, mg/L	Dissolve	d Oxyger	, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	a	b	Average			Depth Average	
MK1 S	10:50			1	17.3	17.3	4.82	4.81	4.86	61.8	62.2	62.2	35.1	35.1	1.35	1.18		7.6	13.0		
MK1 M	10:51	Mid Wave	7	3.5	17.3	17.3	4.93	4.88	4.86	62.4	62.4	62.2	35.1	35.1	1.14	1.23	1.17	9.0	10.0	9.1	
MK1 B	10:53			6	17.3	17.3	4.92	4.91	4.92	63.3	62.9	63.1	35.1	35.1	1.09	1.00		6.4	8.8		
MK2 S	11:00			1	17.3	17.3	4.84	4.89		62.4	61.7		35.1	35.1	1.26	1.13		7.6			
MK2 M	11:02	Mid Wave	14	7	17.3	17.4	4.90	4.95	4.90	62.5	62.7	62.3	35.1	35.1	1.13	1.22	1.15	12.0		9.5	
MK2 B	11:07			13	17.3	17.3	4.91	4.88	4.90	62.0	62.2	62.1	35.0	35.1	0.95	1.18		8.8			
MK3 S	10:30			1	17.4	17.4	4.89	4.89	4.90	63.7	63.2	62.8	35.2	35.2	0.90	1.17		10.0			
мкз м	10:31	Mid Wave	7	3.5	17.4	17.4	4.89	4.91	4.90	62.1	62.1	62.8	35.1	35.1	1.05	0.84	1.06	12.0		9.1	
МКЗ В	10:33			6	17.3	17.3	4.93	4.86	4.90	63.0	62.6	62.8	35.1	35.1	1.17	1.23		5.4			
MK4 S	10:40			1	17.4	17.4	4.92	4.94	4.92	63.4	63.6	63.1	35.2	35.2	1.16	0.91		6.0			
MK4 M	10:41	Mid Wave	13	6.5	17.4	17.4	4.90	4.93	4.92	62.5	62.9	63.1	35.1	35.1	0.82	1.25	1.07	9.4		7.3	
MK4 B	10:46			12	17.4	17.3	4.88	4.87	4.88	63.0	62.7	62.9	35.0	35.1	1.22	1.04		6.6			
CK1 S	11:20			1	17.4	17.4	4.93	4.95	4.91	62.4	62.4	62.5	35.1	35.1	1.18	1.27		8.0			
CK1 M	11:22	Mid Wave	17	8.5	17.3	17.3	4.86	4.89	4.91	62.5	62.7	62.5	35.1	35.1	1.19	1.26	1.22	11.0		8.8	
CK1 B	11:29			16	17.3	17.3	4.91	4.90	4.91	61.8	62.3	62.1	35.0	35.0	1.30	1.11		7.4			
CK2 S	11:10			1	17.4	17.4	4.87	4.85	4.89	62.4	62.1	62.5	35.1	35.1	1.27	1.15		8.8			
CK2 M	11:12	Mid Wave	16	8	17.3	17.3	4.92	4.93	4.89	62.6	62.7	6∠.5	35.1	35.1	1.09	1.31	1.20	11.0		9.9	
CK2 B	11:18			15	17.3	17.3	4.90	4.93	4.92	62.3	62.3	62.3	35.0	35.0	1.15	1.20		10.0			

Equipment used: Dissolved Oxygen Meter: Calibration Check: EM 6167 100 100%: Sampled By: ____10.2 NTU EM 2365 Raymond Turbidity Meter: Calibration Check: Checked By: 35.4 ppt Salinity Meter: EM 6167 27/1/2006 EM 6167 Thermometer:

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 20/1/2006 Weather Condition: Hazy Ambient Temperature, °C: 18 Tide State: Mid-Ebb

Station	Time		Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyger	, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU	_	Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	16:20			1	17.3	17.3	4.80	4.73	4.80	62.6	62.3	62.7	35.2	35.2	1.20	1.13		7.8	7.0		
MK1 M	16:20	Mid Wave	6	3	17.3	17.3	4.82	4.85	4.80	62.8	62.9	62.7	35.1	35.1	1.19	1.32	1.18	8.6	20.0	10.6	
MK1 B	16:22			5	17.3	17.3	4.91	4.87	4.89	62.9	63.1	63.0	35.1	35.1	1.08	1.13		12.0	8.0		
MK2 S	16:30			1	17.3	17.3	4.94	4.90	4.91	63.4	63.6	63.1	35.2	35.2	1.38	1.14		9.2			
MK2 M	16:31	Mid Wave	13	6.5	17.3	17.3	4.85	4.93	4.91	62.5	62.9	03.1	35.2	35.2	1.07	1.11	1.21	8.8		10.3	
MK2 B	16:36			12	17.2	17.2	4.99	4.93	4.96	61.8	62.4	62.1	35.1	35.1	1.34	1.22		13.0			
MK3 S	16:00			1	17.3	17.3	4.86	4.92	4.92	62.2	62.0	62.7	35.3	35.3	1.19	1.25		9.8			
мкз м	16:00	Mid Wave	6	3	17.3	17.2	4.93	4.97	4.32	63.6	63.1	02.7	35.1	35.1	0.94	1.13	1.18	13.0		12.9	
мкз в	16:02			5	17.2	17.2	4.72	4.69	4.71	62.5	62.2	62.4	35.1	35.1	1.26	1.33		16.0			
MK4 S	16:10			1	17.3	17.3	4.93	4.91	4.97	62.5	62.8	63.0	35.3	35.3	0.86	1.12		9.6			
MK4 M	16:11	Mid Wave	12	6	17.3	17.3	5.04	5.01	4.57	63.9	62.7	05.0	35.1	35.1	1.41	1.25	1.14	11.0		10.9	
MK4 B	16:16			11	17.2	17.2	4.88	4.85	4.87	61.4	61.0	61.2	35.0	35.0	1.15	1.04		12.0			
CK1 S	16:50			1	17.3	17.3	5.03	5.03	5.01	64.2	63.7	63.1	35.2	35.2	1.03	1.25		7.4			
CK1 M	16:52	Mid Wave	16	8	17.2	17.2	4.96	5.00	5.01	62.5	62.1	00.1	35.0	35.0	1.36	1.26	1.20	9.6		8.9	
CK1 B	16:58			15	17.2	17.2	4.74	4.80	4.77	60.8	61.1	61.0	34.9	34.9	1.08	1.19		9.6			
CK2 S	16:40		_	1	17.3	17.3	4.92	4.96	4.99	63.8	63.4	63.7	35.2	35.2	1.27	1.06		6.2			
CK2 M	16:42	Mid Wave	15	7.5	17.2	17.2	5.04	5.03	4.33	63.9	63.5	03.7	35.0	35.0	1.27	1.15	1.19	6.8		9.7	
CK2 B	16:48			14	17.2	17.2	4.83	4.91	4.87	61.6	61.5	61.6	35.0	35.0	1.32	1.04		16.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.2	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.4	ppt	Date:	27/1/2006
	Thermometer:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 23/1/2006 Weather Condition: Cloudy Ambient Temperature, °C: 18 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Temnera	ature °C	Dissolve	d Oxygen	ma/l	Dissolve	d Oxyger	1 %	Salinity,	nnt	Turbidity	NTII		Suspend	ded Solids	: ma/l	Remarks
Otation			Depth, m		а	b	а		Average	а	b	Average	а	b	a	b	Average	Ousperio		Depth Average	remand
MK1 S	13:10			1	17.4	17.5	5.14	5.20	5.12	62.6	62.3	62.1	35.2	35.2	1.24	1.18		9.6	10.0		
MK1 M	13:11	Mid Wave	7	3.5	17.1	17.1	5.06	5.09	5.12	61.5	61.9	02.1	35.0	35.0	1.36	1.06	1.19	6.4	8.2	9.9	
MK1 B	13:13			6	17.0	17.0	5.11	5.04	5.08	62.4	62.5	62.5	35.0	35.0	1.09	1.23		9.0	16.0		
MK2 S	13:20			1	17.4	17.4	5.03	4.97	5.07	61.4	61.5	62.0	35.2	35.2	1.22	1.08		11.0			
MK2 M	13:21	Mid Wave	12	6	17.1	17.1	5.16	5.11	5.07	62.4	62.8	62.0	35.0	35.0	1.34	1.25	1.14	4.2		7.3	
MK2 B	13:26			11	17.1	17.1	5.05	5.06	5.06	63.0	63.4	63.2	34.9	34.9	1.04	0.93		6.6			
MK3 S	12:50			1	17.6	17.6	4.98	4.92	4.97	62.6	63.3	62.3	35.1	35.1	1.25	1.36		13.0			
МКЗ М	12:50	Mid Wave	6	3	17.3	17.3	5.02	4.97	4.57	61.4	62.0	02.3	34.9	34.9	1.08	1.22	1.19	3.2		8.5	
МКЗ В	12:52			5	17.2	17.2	5.08	5.11	5.10	61.3	61.7	61.5	34.8	34.8	1.14	1.11		9.2			
MK4 S	13:00			1	17.6	17.6	4.83	4.94	4.98	60.8	61.3	61.9	35.2	35.2	0.93	1.13		12.0			
MK4 M	13:01	Mid Wave	11	5.5	17.2	17.2	5.06	5.07	4.30	62.4	63.0	01.9	34.9	34.9	1.25	1.17	1.14	7.6		8.3	
MK4 B	13:05			10	17.1	17.1	4.92	4.93	4.93	61.3	62.0	61.7	34.8	34.8	1.04	1.29		5.2			
CK1 S	13:40			1	17.5	17.5	4.87	4.93	5.01	62.4	63.5	62.5	35.1	35.1	1.25	1.13		6.4			
CK1 M	13:42	Mid Wave	17	8.5	17.2	17.2	5.16	5.08	5.01	61.5	62.4	02.0	34.8	34.8	1.30	0.91	1.14	7.6		6.2	
CK1 B	13:49			16	17.0	17.0	5.12	5.13	5.13	61.0	60.8	60.9	34.8	34.8	1.08	1.14		4.6			
CK2 S	13:30			1	17.5	17.5	4.95	5.03	5.06	62.4	61.5	61.4	35.1	35.1	1.18	1.23		6.8			
CK2 M	13:32	Mid Wave	16	8	17.2	17.1	5.06	5.18	3.06	60.4	61.2	01.4	34.8	34.8	1.13	1.05	1.19	4.2		5.1	
CK2 B	13:38			15	17.0	17.0	4.82	4.88	4.85	60.8	59.9	60.4	34.8	34.8	1.34	1.18		4.2			

Equipment used: Dissolved Oxygen Meter: Calibration Check: EM 6167 100 100%: Sampled By: 9.7 NTU EM 2365 Raymond Turbidity Meter: Calibration Check: Checked By: Salinity Meter: EM 6167 35.2 ppt 30/1/2006 Thermometer: EM 6167

Job No.: <u>J429</u>

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client Kin Shing Construction Co., Ltd.

Date of Sampling: 23/1/2006 Weather Condition: Cloudy Ambient Temperature, C: 18 Tide State: Mid-Ebb

Station	Time		Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxygen	, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solids		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	19:30			1	17.3	17.3	5.13	5.16	5.09	62.8	63.2	62.2	35.1	35.1	1.22	1.16		9.4	12.0		
MK1 M	19:30	Mid Wave	6	3	17.0	17.0	5.04	5.01	5.09	61.3	61.5	62.2	35.0	35.0	1.31	1.08	1.14	11.0	15.0	11.3	
MK1 B	19:32			5	16.9	16.9	4.93	4.96	4.95	60.6	60.5	60.6	34.8	34.8	0.94	1.15		8.2	12.0		
MK2 S	19:40			1	17.2	17.2	5.05	5.04	5.11	60.9	61.1	61.9	35.1	35.1	1.16	1.25		18.0			
MK2 M	19:41	Mid Wave	11	5.5	16.9	16.9	5.23	5.13	5.11	62.6	63.1	01.9	35.0	34.9	1.06	1.32	1.19	8.4		13.1	
MK2 B	19:45			10	16.8	16.8	4.90	4.98	4.94	60.3	60.5	60.4	34.9	34.9	1.28	1.06		13.0			
MK3 S	19:10			1	17.4	17.4	5.16	5.18	5.10	62.2	62.4	61.9	35.0	35.0	1.04	1.11		9.4			
мкз м	19:10	Mid Wave	6	3	17.1	17.1	5.04	5.02	3.10	61.5	61.6	01.9	34.9	34.9	1.24	1.33	1.16	9.8		9.0	
МКЗ В	19:12			5	16.9	16.9	5.08	5.05	5.07	60.8	60.5	60.7	34.9	34.9	1.08	1.15		7.8			
MK4 S	19:20			1	17.4	17.4	5.13	5.13	5.07	63.0	62.7	61.7	34.9	34.9	1.01	1.25		7.6			
MK4 M	19:21	Mid Wave	10	5	17.0	17.0	5.06	4.95	5.07	60.4	60.6	01.7	35.0	35.0	1.27	1.19	1.17	7.0		8.2	
MK4 B	19:25			9	16.8	16.9	4.99	5.03	5.01	60.3	60.8	60.6	34.9	34.9	1.07	1.20		10.0			
CK1 S	20:00			1	17.3	17.3	4.93	5.02	5.06	60.5	60.3	61.4	35.0	35.0	1.34	1.21		6.8			
CK1 M	20:02	Mid Wave	16	8	16.9	16.9	5.13	5.16	3.00	62.3	62.6	01.4	34.9	34.9	1.11	1.28	1.18	7.4		8.7	
CK1 B	20:08			15	16.8	16.8	5.09	5.06	5.08	61.4	61.0	61.2	34.9	34.9	1.04	1.10		12.0			
CK2 S	19:50		_	1	17.2	17.2	5.04	4.98	5.03	60.8	60.3	60.5	35.0	35.0	0.94	1.25		7.4			_
CK2 M	19:52	Mid Wave	15	7.5	16.9	16.9	5.06	5.02	3.03	60.3	60.5	00.5	34.9	34.9	1.30	1.36	1.17	6.4		8.3	
CK2 B	19:58			14	16.8	16.8	4.99	4.99	4.99	59.8	60.4	60.1	34.9	34.9	1.05	1.09		11.0			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	9.7	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.2	ppt	Date:	30/1/2006
	Thormomotor:	EM	6167					

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429 Date of Sampling: 25/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 19 Tide State: Mid-Flood Temperature, °C Dissolved Oxygen, mg/L a b a b Average Turbidity, NTU a b Suspended Solids, mg/L Station MK1 S 1 17.6 4.93 4.90 67.3 35.0 35.0 1.09 4.94 14.0 MK1 M 13:21 Mid Wave 3.5 17.2 17.2 4.96 4.97 67.0 67.5 34.9 34.9 1.24 1.14 1.16 10.0 10.6 MK1 B 13:23 5.02 67.6 34.9 7.8 6 16.9 16.9 4.90 4.96 68.0 67.8 34.9 1.05 1.13 11.0 MK2 S 13:30 17.7 17.7 5.08 5.01 68.3 68.5 35.0 35.0 1.18 1.11 8.2 MK2 M 13:31 17.2 17.2 4.92 4.89 66.8 66.4 34.9 34.9 1.04 1.23 13.0 6.5 MK3 S 13:00 17.8 17.8 4.93 67.3 35.0 1.34 1.12 12.0 5.01 68.3 7 MK3 M 13:01 Mid Wave 3.5 17.5 17.5 5.04 5.10 68.9 69.3 35.0 35.0 1.27 1.08 1.17 12.0 10.7 мкз в 13:03 17.3 17.5 5.01 4.98 68.4 68.5 34.9 34.9 1.23 8.0 5.00 68.5 0.97 MK4 S 13:10 17.8 17.8 5.03 4.97 34.9 69.0 69.0 34.9 1.05 1.26 8.8 13:12 35.0 16.0 MK4 B 17.3 17.3 4.93 4.95 68.4 68.5 34.9 34.9 CK1 S 13:50 4.96 68.8 35.0 35.0 1.04 7.6 4.93 13:52 17.3 4.84 68.1 68.3 34.9 34.9 16.0 CK1 M Mid Wave 17 8.5 17.3 4.91 1.19 0.83 1.15 13.9 CK1 B 13:59 16 17.0 17.0 4.90 4.89 4.90 67.3 67.6 67.5 34.8 34.8 1.36 1.29 18.0 CK2 S 13:40 17.6 17.6 5.16 35.0 1.18 9.4 5.03 68.9 68.4 35.0 1.35 5.03 68.1 10.5 CK2 M 13:42 17.3 17.3 4.95 4.97 67.5 67.5 34.9 34.9 1.06 1.19 10.0 CK2B 17.0 17.0 4.86 4.93 66.6 34.8 Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: 100 100%: Sampled By: 9.5 NTU 2365 Calibration Check: Checked By: Raymond Turbidity Meter: EM Salinity Meter: 6167 35.3 ppt 1/2/2006 Thermometer: EM 6167 Job No.: <u>J429</u> Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Weather Condition: Date of Sampling: 25/1/2006 Ambient Temperature, °C: 18 Tide State: Mid-Ebb at 05:05 Station Remarks Depth, m b Average b b MK1 S 16:20 #DIV/0! #DIV/0 MK1 M 16:20 Mid Wave 6 #DIV/0! #DIV/0! MK1 B 16:22 5 #DIV/0! #DIV/0! MK2 S 16:30 #DIV/0! #DIV/0 #DIV/0! MK2 M 16:31 Mid Wave 6.5 MK3 S 16:00 #DIV/0! #DIV/0 мкз м 16:00 Mid Wave 3 #DIV/0! #DIV/0! мкз в 16:02 #DIV/0! #DIV/0 MK4 S 16:10 #DIV/0! #DIV/0! MK4 M 16:11 Mid Wave 6 MK4 B #DIV/0! #DIV/0! 11 CK1 S #DIV/0! #DIV/0 CK1 M 16:52 Mid Wave 16 R #DIV/0! #DIV/0! CK1 B 16:58 15 #DIV/0! #DIV/0! CK2 S 16:40 #DIV/0! #DIV/0 #DIV/0! CK2 M 16:42 Mid Wave 7.5 100%: Equipment used: Dissolved Oxygen Meter: EM 6167 Calibration Check: Sampled By: EM 2365 Calibration Check: _ NTU Checked By: Turbidity Meter: Raymond Salinity Meter: EM 6167 Calibration Check: 1/2/2006 ppt

EM

6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: J429

Date of Sampling: 27/1/2006 Weather Condition: Sunny Ambient Temperature, °C: 19 Tide State: Mid-Flood

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyger	, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid:	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	15:25			1	17.6	17.7	4.68	4.79	4.76	61.3	61.9	62.6	35.0	35.0	0.98	0.83		1.2	3.0		
MK1 M	15:26	Mid Wave	7	3.5	17.4	17.4	4.73	4.83	4.76	63.6	63.4	02.0	35.0	35.0	1.16	1.25	1.13	8.4	1.4	3.7	
MK1 B	15:28			6	17.2	17.2	4.88	4.85	4.87	64.6	63.9	64.3	34.9	34.9	1.23	1.33		3.2	4.8		
MK2 S	15:35			1	17.7	17.7	4.93	4.89		63.8	63.7		35.1	35.1	1.18	1.09		1.8			
MK2 M	15:37	Mid Wave	15	7.5	17.4	17.3	4.81	4.82	4.86	63.0	63.2	63.4	35.0	35.0	1.25	1.03	1.16	5.8		3.7	
MK2 B	15:43			14	17.3	17.3	4.85	4.84	4.85	64.5	64.6	64.6	34.9	34.9	1.28	1.14		3.6			
MK3 S	15:05			1	17.8	17.8	4.86	4.86		64.4	64.0		35.1	35.1	0.88	1.11		3.0			
мкз м	15:06	Mid Wave	8	4	17.4	17.4	4.88	4.81	4.85	63.7	63.5	63.9	34.9	34.9	1.25	1.19	1.14	6.0		3.9	
МКЗ В	15:09			7	17.2	17.2	4.93	4.90	4.92	64.2	64.0	64.1	34.9	34.9	1.08	1.30		2.8			
MK4 S	15:15			1	17.8	17.7	4.74	4.83	4.04	64.0	63.3	00.7	35.1	35.1	1.33	1.24		4.4			
MK4 M	15:17	Mid Wave	14	7	17.4	17.4	4.86	4.92	4.84	63.1	64.2	63.7	34.9	34.9	1.07	1.18	1.15	2.4		3.2	
MK4 B	15:22			13	17.1	17.1	4.87	4.85	4.86	63.7	63.9	63.8	34.9	34.9	1.05	1.05		2.8			
CK1 S	15:55			1	17.6	17.7	4.88	4.88	4.84	63.3	63.0	62.5	35.2	35.1	1.22	1.07		1.6			
CK1 M	15:57	Mid Wave	16	8	17.3	17.3	4.81	4.77	4.84	62.0	61.8	62.5	34.9	34.9	1.17	1.15	1.10	5.2		7.6	
CK1 B	16:03			15	17.0	17.0	4.93	4.81	4.87	64.6	65.1	64.9	34.8	34.8	1.07	0.94		16.0			
CK2 S	15:45			1	17.6	17.6	4.93	4.89	4.00	63.9	64.2		35.2	35.1	1.33	1.07		5.2			
CK2 M	15:47	Mid Wave	16	8	17.3	17.3	4.83	4.90	4.89	63.0	63.2	63.6	34.9	34.9	1.25	1.20	1.18	5.2		4.6	
CK2 B	15:53			15	17.0	17.0	4.82	4.85	4.84	62.6	63.4	63.0	34.9	34.8	1.15	1.08		3.4			

Calibration Check: Equipment used: Dissolved Oxygen Meter: EM 6167 100 100%: Sampled By: ____10.5 NTU EM 2365 Raymond Turbidity Meter: Calibration Check: Checked By: Salinity Meter: EM 6167 35.2 ppt 3/2/2006 Thermometer: EM 6167

Project: Contract No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Client: Kin Shing Construction Co., Ltd. Job No.: 3429

Date of Sampling: 27/1/2006 Weather Condition: Sunny Ambient Temperature, C: 19 Tide State: Mid-Ebb

Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxyger	n, mg/L	Dissolve	d Oxyger	1, %	Salinity,	ppt	Turbidity	, NTU		Suspend	ded Solid:	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	10:50			1	17.6	17.6	4.83	4.82		62.8	63.0		35.1	35.1	1.26	1.13		3.0	0.8		
MK1 M	10:50	Mid Wave	6	3	17.2	17.2	4.91	4.90	4.87	64.6	65.2	63.9	35.1	35.1	1.08	1.05	1.13	2.2	11.0	4.5	
MK1 B	10:52			5	17.0	17.0	4.87	4.92	4.90	63.4	63.6	63.5	35.0	35.0	0.91	1.33		6.8	3.4		
MK2 S	11:00			1	17.6	17.5	4.95	4.91	4.91	65.2	64.8	64.3	35.1	35.1	0.74	1.18		5.0			
MK2 M	11:02	Mid Wave	14	7	17.2	17.2	4.87	4.89	4.91	63.5	63.5	04.3	35.0	35.0	1.23	1.14	1.12	3.2		3.2	
MK2 B	11:07			13	16.9	16.9	4.93	4.93	4.93	64.8	65.5	65.2	35.0	35.0	1.18	1.27		1.4			
MK3 S	10:30			1	17.7	17.7	4.86	4.83	4.87	63.9	63.5	64.5	35.2	35.2	1.29	1.04		7.0			
мкз м	10:31	Mid Wave	7	3.5	17.3	17.3	4.93	4.86	4.07	65.2	65.3	04.5	35.1	35.1	1.05	1.17	1.11	3.6		5.1	
МКЗ В	10:33			6	17.0	17.0	4.92	4.95	4.94	65.0	64.9	65.0	35.0	35.0	0.93	1.18		4.6			
MK4 S	10:40			1	17.7	17.7	4.95	4.96	4.90	65.6	65.4	64.7	35.1	35.1	1.36	1.07		2.4			
MK4 M	10:41	Mid Wave	13	6.5	17.3	17.4	4.82	4.87	4.90	64.0	63.8	04.7	35.1	35.0	1.14	1.20	1.12	2.4		4.1	
MK4 B	10:46			12	17.0	17.0	4.88	4.85	4.87	64.2	63.5	63.9	35.0	35.0	1.11	0.82		7.4			
CK1 S	11:20			1	17.6	17.6	4.85	4.80	4.87	63.2	63.4	64.0	35.1	35.1	1.04	1.18		1.6			
CK1 M	11:22	Mid Wave	15	7.5	17.2	17.2	4.94	4.90	4.07	64.9	64.5	04.0	35.0	35.0	1.34	1.21	1.16	1.6		2.9	
CK1 B	11:28			14	16.9	16.9	4.88	4.85	4.87	64.9	64.9	64.9	35.0	34.9	1.13	1.04		5.6			
CK2 S	11:10			1	17.6	17.6	4.86	4.92	4.91	64.8	64.6	65.1	35.1	35.1	1.23	1.08		6.6	_		
CK2 M	11:12	Mid Wave	15	7.5	17.2	17.2	4.97	4.88	4.91	65.7	65.3	00.1	35.0	35.0	1.19	1.29	1.16	1.0		3.4	
CK2 B	11:18			14	16.9	16.9	4.91	4.91	4.91	65.5	65.1	65.3	34.9	34.9	1.04	1.12		2.6			

Equipment used:	Dissolved Oxygen Meter:	EM	6167	Calibration Check:	100	100%:	Sampled By:	伊
	Turbidity Meter:	EM	2365	Calibration Check:	10.5	NTU	Checked By:	Raymond
	Salinity Meter:	EM	6167	Calibration Check:	35.2	ppt	Date:	3/2/2006
	Thormomotor:	EM	6167					

Appendix E

Monitoring Schedule - Upcoming month

CEDD Construction No. CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers Water Quality Monitoring Schedule Environmental Monitoring Schedule Revised February 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
	Public Holiday	Public Holiday				
			WQM^3	WQM^2	WQM^2	
			(Ebb: 14:25)	(Ebb: 15:16)	(Ebb: 16:08)	
			(Flood: 18:07)	(Flood: 9:29)	(Flood: 10:08)	
5	6	7	8	9	10	11
	WQM^3		WQM^2		WQM ²	
	(Ebb: 8:12)		(Ebb: 21:21)*		(Ebb: 10:59)	
	(Flood: 12:03)		(Flood: 10:43)		(Flood: 15:57)	
12	13	14	15	16	17	18
	WQM^3		WQM^2		WQM ²	
	(Ebb: 12:27)		(Ebb:13:39)		(Ebb: 14:52)	
	(Flood: 18:11)		(Flood: 19:31)*		(Flood: 9:06)	
19	20	21	22	23	24	25
	WQM^3		WQM^2		WQM ²	
	(Ebb: 17:04)		(Ebb:20:28)*		(Ebb: 19:05)*	
	(Flood: 10:30)		(Flood: 8:32)		(Flood: 9:40)	
26	27	28				
	WQM^3					
	(Ebb: 11:54)					
	(Flood: 17:33)					

Notes:

- 1. WQM water quality monitoring on mid-flood and mid-ebb tides at Wong Shek (CW1, CW2, MW1 & MW2)
- $2.\ WQM\ -\ water\ quality\ monitoring\ on\ mid-flood\ and\ mid-ebb\ tides\ at\ Ko\ Lau\ Wan\ (CK1,\ CK2,\ MK1,\ MK2,\ MK3\ \&\ MK4)$
- 3. WQM water quality monitoring on mid-flood and mid-ebb tides at Ko Lau (CK1, CK2, MK1, MK2, MK3 & MK4) and Wong Shek (CW1, CW2, MW1 & MW2))
- 4. Wong Shek monitoring shall be carried out once a week starting from 16 January 06 onwards due to completion of piling and demolishing works.
- * There will be no sample collection at Mid-ebb tides, due to site inactive during the mid-ebb period