

CONTRACT NO: CV/2004/02

RECONSTRUCTION OF WONG SHEK AND KO LAU WAN PUBLIC PIERS

ENVIRONMENTAL MONITORING & AUDIT MONTHLY REPORT (WONG SHEK)

- OCT 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	Piers	

We refer to the October Monthly EM&A reports for Wong Shek Pier and Ko Lau Wan Pier that we received through email on 28 February 2007 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 Oct 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 1^{st} to 31^{st} Oct 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:

- Erection of the roof 1
- Installation of the conduits for the electrical system and lightning protective system
- Installation of the fender system
- Erection of the aluminium claddings and fascia for roof 1-4

Water Quality Monitoring

4 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.

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

No inert C&D materials was disposed of at Tseung Kwan O Area 137 public filling area and no 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 11 Oct 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
-	5-Oct	No particular finding	-	-
-	11-Oct	No particular finding	-	-
-	16-Oct	No particular finding	-	-
-	23-Oct	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
Erection of roof 1 and roof 3 Installation of the electrical system and lightning protective system Installation of fender system Installation of the handrail Installation of light toughs and fluorescent light	Noise, Waste	 Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea
Construction of coloured concrete finish Application of epoxy resin and concreting under the column base	Water, Noise, Waste	 Avoid concurrent noisy operation during timber and steel preparation Prohibit on-site concrete truck washing Avoid chemical spill and provide spill control if necessary



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 Oct 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 <u>Appendix A</u>.

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	W F Lok	2729 6779	2729 7858	9847 8334
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:

- Erection of the roof 1
- Installation of the conduits for the electrical system and lightning protective system
- Installation of the fender system
- Erection of the aluminium claddings and fascia for roof 1-4

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.



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 Laboratories 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 <u>Appendix C</u>.



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 4.1bLaboratory 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 4.2Water Quality Monitoring Parameters and Frequencies

Station(s)	Parameter	Frequency
MW1, MW2 CW1, 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)	<u>Surface & Middle</u> For Wong Shek – 6.96	<u>Surface & Middle</u> For Wong Shek – 6.69
	Bottom For Wong Shek – 6.93	<u>Bottom</u> 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.
- 2. 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 4.4Environmental Monitoring Programme – Oct 06

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

Note:

- X: Monitoring 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 4 occasions at stations MW1, MW2, CW1 and CW2. 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 <u>Appendix D</u>. Graphical trend is presented in <u>Figure 5.1a – 5.1h</u>.

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

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	5.98	5.28	1.12	7.5
MW2	5.42	4.36	1.13	6.6
CW1	5.47	Water depth < 3m	1.22	5.4
CW2	5.33	4.19	1.15	5.8

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

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	5.88	5.56	1.12	7.1
MW2	5.59	4.75	1.13	5.2
CW1	5.84	Water depth < 3m	1.18	5.1
CW2	5.53	4.61	1.14	6.1

5.2

WASTE MONITORING RESULTS

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



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) – Oct 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) – Oct 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, turbidity and suspended solids at MW1 and MW2 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 0.05 NTU and 10 mg/L, indicating the fluctuation could possibility due to the natural variation around the small values of suspended solids.

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 11 Oct 2006. The results of these inspections and outcomes are summarized in *Table 7*.

 Table 7
 Summary of Environmental Inspection and Audit – Oct 06

Item	Date	Observations	Action taken by Contractor	Outcome
-	5-Oct	No particular finding	-	-
-	11-Oct	No particular finding	-	-
-	16-Oct	No particular finding	-	-
-	23-Oct	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 8aEnvironmental 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 8bCumulative 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	-	-	-



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 *Appendix E*.

Table 9 Construction Activities and Recommended Mitigation Measures – Nov 2006

Construction Works	Predict Impacts	Proposed Mitigation Measures
Erection of roof 1 and roof 3 Installation of the electrical system and lightning protective system Installation of fender system Installation of the handrail Installation of light toughs and fluorescent light	Noise, Waste	 Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea
Construction of coloured concrete finish Application of epoxy resin and concreting under the column base	Water, Noise, Waste	 Avoid concurrent noisy operation during timber and steel preparation Prohibit on-site concrete truck washing Avoid chemical spill and provide spill control if necessary



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



G		H		
C C C C C C C C C C C C C C C C C C C	2. ALL CO-C GEODETIC 3. ALL LEVE	ENSIONS ARE DRDINATES RE DATUM 1980 ELS REFER TO IN METRES.	IN MILLIMETF FER TO HONG AND ARE IN	KONG METRES.
LONG HARBOUR (TAI TAN HOI) 835 000N 835 000N		OLLARD AVIGATION LI	GHT	
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	designed	name	initial	date
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	approved			
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832 800N	contract			
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	office			
COPYRIGHT RESERVED	CEDD	CIVIL AND D DEPAR HONG	EVELOP TMENT KONG	



Figure 2.3

Master Construction Programme

ontract No.: CV/2004/02 construction of Wong Shek and o Lan Wan Public Piers		Mas	ter Progr (Version 2)	amme		Contractor: Kin Shing Construction Co. 1. Commencement Date: 15th Nov 20 Completion Date: 6th Aug 20 Programme Date: 21st Feb 20
Ťnét Nux.	Diction	Shri Finna	Perdecesses	NIN NIN N	1. yi bo	ne ne 100 km i 100 km I 100 km i 10
Commencement of the Works	I they	Mon 04/11/15 Mon 04/11/15		1 🔶 11 No	# 12 # 121 A 1 1 A 1 A 1 A 1 A 1 A 2 A 2 A 2	a ta katan 1 mia mia mia mia mia ha kata mia mia mia mana mia mia mia mia mia mia mia mia mia mi
Completion of Section 1 (Woog Size: Public Pier)	l day	Sun 06/8/6 Sun 06/8/6				4
Completion of Section 2 (Ko Lan Was Public Pier)	I day	Sam 06/8/6 Sun 06/8/6				
Preliminary			(10) -1 0			
Establishment of Englager's Principal Sile Office	994 days	'Tue 04/11/16 Moa 07/8/6		\$ (¥)		INTERNAL AND
Suburission and approval	21 days	Tue 04/11/16 Mon 04/12/6		6 33153755	izra,	
Provision	8 days	Tue 04/12/7 Tue 04/12/14	0		7 22001	
Servicing during construction period	600 days	Wed 04/12/15 Sun 06/3/6	2	1	* EXTEXACTORX	District Colligion and the second
Servicing during maintenance period	364 days	Mae 06/8/7 Sun 02/3/5	a			r
	l day	Мов 07/8/6 Мов 07/8/5	. u			
Secondary Office	582 days	Maa 05/1/3 Mea 06/8/7			n (V)um	UDISANAS ATTAKA MANANASA DA MANANASA NA KANASA MANANASA MANANASA MANANASA MANANA
Sultiniasica and approval	£5 days	Moat 05/1/3 Mon (15/1/17		1	13 IVERT	823h
Provision	28 days	Tue 05/1/18 Mon 05/2/14	12.15	1		ា វីលែនយើលាក្រ
Servicing	538 days	Tue 05/2/15 Son 06/8/6	n		£ 1	14 ให้สุดรู้สุดรู้สุดรู้สุดสุดรู้สุดร สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดร สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู้สุดรู
Decommissioning	1 day	Moar 06/8/7 Moar 06/8/7	H		E	
Provision of Contractor's accommudation	602 days	Mon 04/12/13 Sub 06/8/6		1	16 TERRETERSEE	a a second a second de la seconda de la s
fultial survey	20 days	Wed 04/12/15 Man 05/1/3			17 (2000000000000000000000000000000000000	- i i
Erection of boarding and project signbaard at Por. A	34 days	Mon 05/1/31 8at 05/3/5	- 17			18 TELEVESTERE TITTEN
Frection of hearding and project signboard at For. B	13 days	Mon 05/1/21 Sat 05/3/5		1		10 TIEXXXXX
Application and Installation of dectrical system	75 déys	l/ri 04/12/31 "Twe 05/3/15		1	50 PERSENT	TFREETENSING STATES
Application and installation of water supply system	75 days	Son 05/1/16 Tho 05/3/31		1.6	21	(ATTERNAL STATISTICS AND A STATES AND A STAT
Application and installation of telephone fines	75 days	Sun 05/1/16 Thu 05/3/31		1	27	· CITIZZZIARENTZIARENTERTERTERTERTE
Notification of parties in concern	34 days	Wed 04/12/1 Fri 04/12/31		23	322 622 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Application for prinningation of Marine Department Notice for Wong Shek	71 days	Vri 04/12/17 Fri 05/2/25			24 12202.000.0010038	ANIMAN PROPERTY AND A CONTRACT OF A
Application for promotyation of Marine Department Notice for Ko Loo Wan	65 days	Pci 04/12/17 Snt 05/2/19			32 <i>47121242214</i>	anananan
Environmental Alemitaring	658 days	Mon 04/11/15 Sun 46/9/3		20 9 10/10/10	di sudana di suba	ACCOUNTS AND FRANKING STORE AND A STREET AND A
Submission and approval of ES and IC(Env)	dd days	Mon 04/11/15 Tee 04/12/28		27 245645642	asaaanna	
Endorsement of EM&A prograal	12 days	Wed 0491229 Sun 05/1/9	27	1 1	28 1 9519	
Basefine water quality monitoring	26 days	Mon 05/1/10 thi 05/2/4	31		29 128	22100229223
Preparation and approval of baseline report	21 days	Sat 05/2/5 Pri 05/2/25	29	1 (K	1	in transmits
Impaci ingenterieg	527 days	Snt 05/2/26 Sun 06/8/6	19	1		i torner and an and a second and the second se
Post construction manifering	2.8 days	Mon 06/8/7 Snut 06/9/3	51,110,202			
Section 1 (Wong Shek Public Pler)					10 10	
Temporary cover to existing pier	121 days	Man 04/11/15 Tac 05/3/15		34 (V) HUVE		
Design and ICE checking	66 daya	Men 04/11/15 Wed 05/1/19		38 92002A	ununnainma	223
	Rogen	Summer	()	Croical Tak (S	x 1.4.75 302222222222222	Couco Task Sec 23 WWWWWWW
nr Freadur ne (Verzan 2) Split	Concentration M	ilesano 🔶 Completion		Crizkal Tak (S		

econs	act No.: CV/20 struction of W u Wan Public	ong Shek and			Mas	ter Pr (Versi					. Commer Co Pro	Shing Coust accment Date ompletion Date ogramme Date	:: 15th Nov 20 te: 6th Aug 20 te: 21st Feb 20	1004 1000 1000
-		Zesk Strm.	Currier:	Stact	Einith	* molect	5785 July 1 2014	willion in the second s	105 2514 Classification 100	ni ni nek	US Nor With Washington Wash	1 V/ A/(wm/w201//21/3/21/9/21	105 200 15 W 1 5 W 20 1 5 W 15 W	11929
	Submission for En	gineel,s containe r	30 days	This 05/1/20	Fri 05/2/18	135		en i fan an de arrown de strat	36	Tanana		1		
	Festion		20 days	Sat 05/2/19	Thu \$5/3/10	1)e		141		37	UTITA	1		
	Certified by ICE a	id commissioning	5 days	Pri 05/3/11	Tue 05/3/15	112		8		1	1 38	1	- 22 	
P	Provision of tempora	ry bertik	192 days	Man 04/11/15	Wed 05/5/25		1.19			CALCULATION OF COMPANY	-	STATISTICS IN CONTRACTOR	WILLBRALLANARAR (*)	<u>9</u>
	Design and ICII of	ocking of temporary berth	60 days	Man 04/11/15	Wed 05/2/2	Reiz	i contra la la	40 025555525555555555555		errenth		2		
	Sultanission for En	gineer's comment	41 days	Thu 05/2:3	Tue 05/3/15	in .				41 128288833388	in the second	i.	1.4	
	Piling		40 days	Wod 05/3/16	Stut 05/4/24	34,29,23,41,38					42 3	000000000000000000000000000000000000000	a :	10
		and installation of fenders	25 days	-Mon 05/4/25	Thu 05/5/19	φ	·····		5			- 43	inams	
3	Relocation of navi	adion light by Marine Dapt.	66 days	Wed 05/3/16	Pri 05/5/20						H (W)	No. of Concession, Name		÷
		Maxine Department	65 days	Wed 05/3/16	Thu 05/5/19	· • • • • • • • • • • • • • • • • • • •					45 [2]	100000000000000000000000000000000000000	ATT232222222222	- 020
5366	Relocution wo		L day	Pri 05/5/20	Fri 05/5/20	13,45							46 5	- 242. - 148
		esting and commissioning of berth	5 days	Sat 05/5/21	Wed 05/5/25		Contract of the		1	÷			17 221	
	Ground Investigation		110 days	Wed 04/12/29	Sun 05/4/17				48 WASABAARA	0880 - 708		-		-
	Submission for En	승규가 잘 잘 알 수 있는 것을 것 같아요. 그 것 같아요. 나는 것 같아.	59 days	Wed 04/12/29	Pri 05/2/25				2000		14.532	1 ~		1
	Ground uncetigati		20 days	Sat 05/2/26	Thu 05/3/17	(2,14,75		12	in production		LO EURAXOZANDI	8 B	18 1	
	Preparation and ap		10 days	Fri 05/3/18	Suct 05/3/27	38		17			1 31	1325.	- 40	
	- 1070 (S. 1070) (S. 1070)	arts and determine pile founding levels	21 days	Mon 05/3/28	Sin1 05/4/17	9	encoste 🕴					S2 PERTENDEN	l	
	Colling for permanent	nier	282 days	Sat 05/1/1	Sun 05/10/9				53 (* MUMPHER				In the second second second	
		thod statement for pring	33 daya	Sat 05/1/1	Wed 05/2/2		and the second		M FEIDENTE	En la sector		1		
	Submission for Er		112 days	The U5/2/3	Wed 05/5/25	······			. An Address	and a second second second	121212222222222		***************	
8	Vertical prelimina		15 days	Thu 05/5/26	1hu 05%69	47,52,55,327					1		36 3	E i
£		nving land plant (E1, H4, E2, H2)	30 days	Toe 05/6/28	Wed 05/7/27		Carlas, Michael		1			1		Lao I
1		(A11, B8, B11, C8, C11, D8, D11)	18 days	Sun 0546/19	Wed 05/7/6	128						2.74	1	
2	Temporary platfor		21 days	'Thu 05/3/7	Wed 05/7/27	18	encenning (S				8.9	3	1	8
2		(remaining 14 uos.)	35 days	Thu 05/7/7	Wed 05/8/10				1			1	1	12
		y piles and testing (B10)	15 days	Thu 05/7/28	Thm 05/8/11	\$2,30	and d		1	-45	1 I I I I I I I I I I I I I I I I I I I			
1			44 days	Fri 05/8/12	Sat 05/9/24	64								84
2	Ralang main piles		15 days	Sun 05/9/25	Sun 05/10/9	63	· · · · · · · · ·					4		
t	Pile test for main	Construction of the second	A STATE OF STATE			allanna.			1					12
1	Construction of pile		212 days	Fri 05/6/10	Sat 06/1/7	51 G. B.S				1	11月 日			1
		aproval of precast yard	61 daya	Fri OSite I U	Tue 05/8/9						8 B			
Ι.,		units at precast yard	61 days	Wed 05/8/10	Sun 05/10/9				1			1	1	
85	erm-tertied.	recking of falsework for pile cap and deck	62 days	Sun 05/7/10	Fri 05/9/9	1			1	1			1	
	Submission of cal	eplation and method statement for	30 days	Sat 0.5/9/ J0	Sen 05/10/9	62		÷1				2	1	1
	Erection of talsee	al roll, for installation of precast units.	20 days	Man 05/10/10	Sat 05/10/29	08,63		11 10		1				
115		11111111111111111111111111111111111111			******		and the second	terminate of the						des.
a ara No	0.0002004002	Kerni Tak (RRSTRING)	I Pragress	1	Sterning	4 - V	(V) BRABBARK (V)	Childred Tack (Sec 1 & 2)	800038339253	Crisicial Trak (Sec 2)	ND771228	825		
derities	ganette Version 21	Sulit	Commencement		40.004	en Milenaue	*	Ontical Tests (See 1)	27/1/22/228	(white and the second se	THERE	1221		

teco	tract No.: CV/2004/02 instruction of Wong Shek and lau Wan Public Plers			Mas	(Version 2)					Comme C Pi	n Shing Con ncement Da completion I cogramme D	te: 15th N Jate: 6th A Jate: 21st F	ov 200 ug 200 eb 200
n î	Task Mein:	Dection	\$°m	FIRES	Prodecessacs		TH TH	Day U.S. Turs Turs	vo wolwalwiziwisiw,	NG M	u Joint Joint	22 31 92 10 10 10 10 10 10 10 10 10 10 10 10 10	tas In lia de live
= 1	Installation of precast units with in-situ pile caps	60 days	Mon 05/30/10	Thu 05/12/8	56,68,63	10.03969.06903011	WALCOURTS.	10341 500 351 881	2010/2011/02/0122012	A 1	-	-way excess and a	(CA) serve
	Cashing of in-situ pier deck	30 days	Fri 05/12/9	Sat 06/1/7	70,78		1	1		11	1		
	Construction of bollards	30 days	Fri 05/12/9	Sat 06/1/7	η						3	100	3
¥ į	Installation of corresion monitoring system	91 days	Sun 05/10/9	Sat 06/1/7	A. 4010444 - 1000000000	1		1					13
	Approval of specialist contractor and method statement	61 days	Sun 05/10/9	Thu 05/12/8								1.5	1
	Installation of convision monitoring system	30 days	Fri 05/12/9	Sal 06/L/7	76,74	1		1	1	10			1 3
	Roof over system	272 days	Tue 05/8/9	Sun 06/5/7	*****			B				1	
4	Approval of sporialist contractor	61 days	Tue 05/8/9	Sat 05/10/8				i i			1		11
e i	Naturaission of weekshop drawings for connection details with	61 days	Sen 05/10/9	Thu 05/12/8				i.		10		0.	
	deck	town Michael						ŝ.					
10	Material submissions	91 days	Son 05/10/9 Son 05/10/9	Sat 06/1/7 Sat 06/1/7		- 1		5		143		1.2	
46 -	Submission of weakshop drawing for remaining roof system	91 days	in a concernance of			1 1		1		1		1 R	
1	Construction of steel works	60 days	Sun 06/1/8	Wed 06/3/8	71,80,79	1			1	1		1 ÷	
24	Erection, of mod covers	fill days	Thu 05/3/9	Sun 06/5/7	aı			義			1 61	1.0	1
1	Murrying-in to bandside	121 days	Wed 06/3/8	Thu 06/7/6		1	53				1		1
t, r	Application of Excavation Permit	90 days	Wed 06/3/8	Mon 06/6/5	1	2	8		÷	1 1 1 -	1	1	
*	Site works	31 days	Tue 06/6/6	Thu 06/7/6	84,31	1					12 B		1
÷.	Electrical system, CLP meter box and lighting system	220 daşs	Mon 05/10/10	Wed 06/5/17		1				1	1.0	1	
. T.	Approval of specialist contractor	30 days	Mon 05/10/10	Tue 05/11/8	Start III ION-D	1	19		1		1		
e. *	Leason with CLP and EMSD	60 days	Wed 05/11/9	Sat 06/1/7	87	-				\$ at	2		
10	To stallation	120 days	Sun 0fx1/8	Sup 06/5/7	71,86	1			ł.	÷ 8			
έc.	Testing.	10 days	Man 06/5/8	Wed 06:5/17	30				1		1		
能型	Construction of floor finish	121 days	Wed 06/3/8	Thu 06/7/6			2		3	1			
6	Adaterial aubenissiona	61 days	Wed 06/3/8	Sun 06:5/7					5			12	
n i	Silie works	60 days	Mott 06/5/8	Thu 06/7/6	42.92		5	1.2	1		÷	22 23	
* 1	Construction of hand railing seating beaches and notice	150 days	Tue 06/2/7	Thu 66/7/6					d3			13.	
. !·	boards Material subsuission	60 days	Tas: 06/2/7	Fri 06/4/7	a management of		- 1	1	1			E.	
3	Construction	90 days	Sal 05/4/8	Tini 05/7/6	1139			1	3	3.1			
1.	Installation of fender system	190 days	Thu 05/12/29	Thu 06/7/6	• •	1	1	:		11			
w -	Material submission	31 days	Thu 05/12/29	Sat 06/1/28	· · · · · · · · · · · · · · · · · · ·	- 3	E.						
35	Ordering of meterial	59 days	San D6/1/29	Tite 06/3/28	199	-					1		
en:	Sine works	LCG days	Wed 06/3/29	Thu D6/7/6	71,99	1	8			目 月			
int.	Relucations of navigation light by Marine Dept.	92 days	Fri 06/4/7	Fri 86/7/7			4	8		11			
175	Application to Marine Department	91 daya	Fci 0644/7	Thu 06/7/6							20 0		
1				L	a - (a) - (- (- (- (- (- (- (- (- (- (- (- (- (-					1	· II	
	Koron Test. [1521219222223	Dummer		Summary		mara	Tuk Bort & 95	Keeggesegeseg	Critical Task (Sec 2)	111792	3115		
l'ann à Mart	Programmer Vasian 31	Pogena			0.0000000000	1997 (1998) (1997) (199							
1986	Split	Commancement	Hileatorg	Campleli	or. Mileston	Cinical	Trak (See 1)	Manalla	Mainenince Perind	Willia:	11112		

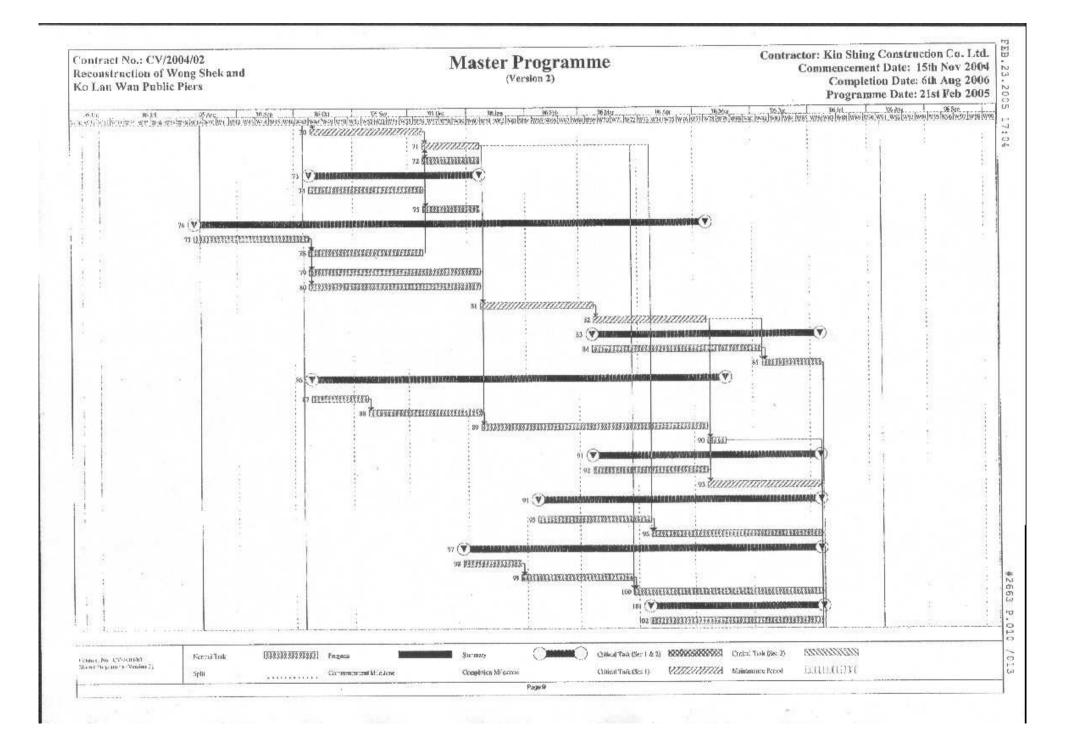
Reco	ract No.: CV/2004/02 nstruction of Wong Shek and au Wan Public Piers			Mas	ter Progra (Version 2)	Completion Date: 6th Aug 2 Programme Date: 21st Feb 20
1 -	T44, N980.	Diastica	Stact	Pins'-	Parlancestre	vij Soz. Soz Soz. Vij Soz. Vij Soz. Vij Soz. Vij Soz. Soz. Soz. Soz. Soz. Soz. Soz. Soz.
	Relocation	1 day	Fyi 06/7/7	Fri 06/7/7	105,93,91,81,169,96	
r _	Commissioning of the pier	1 day	Sat 06/7/8	Sat 96/7/8	iny	
IS .	Demodition of the temporary berth and the existing pier	151 days	Thu 06/3/9	Sam 06/8/6		
6 ±	Survey of axisting structures	31 days	Thu 06/3/9	Sac 06/4/8	COMPANY CONTRACTOR	
+1-	Design and ICH checking of demolitions plan	61 days	Sun 06/4/9	Thu 0646/8	105	
	Submission for Engineer's commonts	30 days	Fri 06/6/9	Sat 06/7/8	109	
1.1	Obtain consent from Country and Marine Park Authority	30 days	Fri 06/6/9	Sat 06/7/8	LOT	
2	Domohinsu	29 days	Sam 06/7/9	Sun 06/8/6	194,109,168	
	Ministenance Period for the Works	365 days	Maa 06/8/7	Mon 07/8/6	110	
	ction 2 (Ku Lun Wan Public Pier)					
Œ	Cural Survey	626 days	Mon 04/11/15	Wed 86/8/2		
	Sole system and approval of specialist and method statement	73 days	Mon (4/11/15	Wed 05/1/26		
	Initial costs survey and approval by APCD	18 days	Site 05/2/20	Wed 05/3/9	104.25	
	Coral transforation	4 days	Thu 05/3/10	Sun 05/3/13	115	115 (\$\$\$\$\$\$\$\$
	Post irginalogation survey	4 days	Mon 05/3/14	Thu 05/3/17	146	116 (\$\$)
	Post pice construction survey	15 days	Wed 06/7/19	Wed 06/8/2	397	H1 13
	Temporary cover to existing pice	123 days	Mon 04/11/15	Thu 05/3/17		
	Design and ICE checking	66 days	Mon 04/11/15	Wed 05/1/19		
	Suberissian for Engineer's continent	30 daya	Thu 05/1/20	Fci 05/2/18	120	10/02/02/02/02/02/02/02/02/02/02/02/02/02
0	Greation	23 days	Sat 05/2/19	Sat 05/3/12	121	121 1221 1221 1221
4	Certified by ICE and commissioning	5 days	Sun 05/3/13	Thu 05/3/17	122	121 (53)
	Provision of responsivy berth	247 days	Mon 0411/15	Tue 05/7/19		124 🐨 RANGAMARANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
	Design and ICE checking of temporary betth	BO days	Mon 04/11/15	Wed 05/2/2		125 (HENSTEINGIGGE) THEORY MILLION PARTICIPATION OF A STATE OF
80	Submission for Engineer's commont	81 days	Tho 05/2/3	Sun 05/4/24	125	126 ТИХИЧИНИЦИНИЦИНИЦИНИЦИНИЦИНИЦИНИНИНИНИНИНИН
1	Filing (phase 1)	31 days	Mon 03-4/25	Wed 05/5/25	123.126,117,23,30.25,42	127 2017530556622283
	Piling (Phase 2)	9 days	Fri 05:6/10	Sat 05/6/16	56	
5	Deck construction and installation of fenders	25 daya	Sun 05/6/19	Wed 05/7/13	178	
199	Relocation of sprighting light by Marine Dept.	81 days	Man 05/4/25	Thu 05/9/14		
	Application to Marine Department	છે હવુના	Mon 05/4/25	Wed 05/7/13		THE FORMER FORMER FOR THE FORME FOR THE FORMER FOR THE FORME FOR THE FORMER FOR THE FOR THE FORMER FOR THE FORMER FOR THE FOR THE FORMER FOR THE FORMER FOR THE FOR T
ć i	Relocation works	1 day	Thu 05/7/14	Thu 05/7/14	139,331	
	Cartified by ICE, texting and commissioning of benth	S days	Eri 05/7/15	Tue 05/7/19	112	
	Denselition of part of the existing pier	115 duys	Man 05/4/18	Wed #5/8/10		134 (Yanatana and a second a s
15	Survey of existing cructures	31 days	Mon 05/4/18	Wed 05-5/18		1.5. 101303031303130313031
2×	Design and ICT checking of demolition plun	32 days	The 05/5/19	San 05/6/19	.13A	15 <u>Å111</u>
u+) 73	Normal Tax DESCRIPTION	Rogen	-	Summer	CARBAR	111121212122 5 555 11 10 12 12 12 12 12 12 12 12 12 12 12 12 12
astri D	ngrarme (Verrio) 7) Split	Concernoners	Milisten	Cruolulia	n Milesone	Contrast Task (Sec. 1) 272272222722 Minintersion Period COUNTERCOV

leco	ract No.: CV/2004/02 astruction of Wong Shek and an Wan Public Piers			Mas	(Version 2)	Completion Date: 6th Aug 2 Programme Date: 21st Feb 2
6 I.	Taitline	Durcko	Stat	Finish	Hadaxssan	Miller Miller (Miller) (Mi
×-	Submission for Engineer's comments	30 days	Mout 05/6/240	Tue 0.5/7/19	136	wiled willer (ed. wither felting) will all a will a felting state of a traditional states and second second sta
κ, I	Liaison with local residents	30 days	Mon 05/6/240	Тие (15/7/19	135	
ы	Denshing	22 days	Wed 05/7/20	Wed 05/8/10	133,138,197	
3 6	Grassad investigation	129 days	West 04/12/29	Fri 05/5/6	······································	1-11 (V DOODSSALASSALASSALASSALASSALASSALASSALAS
ii)	Submission for Engineer's commont	68 days	Wed 04/12/29	Son 05/3/6		(4) <u>####################################</u>
ż	Ground investigation works on sile	20 days	Fri 05/3/18	Wed 05/4/6	141.36,117	142 18237522828
ι¥.	Preparation and approval of reports	10 days	The 05/4/7	Sut 05:4/16	942	143 (ਇੱ ਡਣੇਸ਼)
	Submission of reports to determine pile founding levels	20 daya	Sun 05/4/17	Eni 05/5/6	H3	144 (EREIKERERE)
6	Pilling for permanent pior	342 days	_ Sat 05/1/1	The 05/12/8		1/5 (* 168910109999884600
5	Compilation of method statement for pilling	33 days.	Sal 05/1/1	Wed 05/2/2	1	146 (22228) 2819 (22222) 241
1	Submission for Engineer's commont	189 days	710 05/2/3	Wed 05/8/10	146	147 2 37999999999999999999999999999999999999
1672) 1973	Vertical preliminary pile and leating	15 days	Thu 05/8/11	Thu 05/8/25	147,139,65,144	
4	Verneal amin piles (EL,E4,D1,D4,C1,C4)	20 days	Fri 05/8/26	Wed 05/9/14	143	
i i	Temporary platform for raking pile	21 days	The 05-9/15	Wed 05/10/5	119	
	Vertical main pile (remaining 15 nos)	45 days	Thu 05-9/15	Sut 05/10/29	125	
	Raking prelictionry piles and testing	Łő duys	The 05/10/6	Fyi 05/10/21	110,62	
1	Roking main piles (remaining 9 nos)	33 days	Sat 05/10/22	Wod 05/11/23	152	
9	Pile tests for main piles	15 days	Thu 05/11/24	Thu 05/12/8	171,133	
51	Construction of plic cap and deck	201 days	Weil 05/8/10	Sun 06/2/26		
41	Submission and approval of precist yard	60 days	Wed 05/8/10	Sat 05/10/8	Recenters I	
1	Custing of precast units, at precast yard	60 days	Mon 05/10/10	12u 05/12/8	156	
-	Design and ICE checking of falsework for pile cap and deck	60 days	Sat 05/9/10	Tue 05/11/8		
м.,	consumation Submission of calculation and anothed statement for Regeneor's approval	30 days	Woll 05/11/9	Thu 05/12.8	158	
10	Election of lidsework for installation of precast units	20 days	Pri 05/12/9	Wed 05/12/28	159,854	
1 **	histallation of precast units with modul pile capa	55 days	Fri 05/12/9	Wed 06/2/1	157,154	
5	Casing of marin pier dock	25 days	Thu 06/2/2	Sim 06/2/26	101,144	
8	Construction of bollards	25 days	Thu 06/2/2	Sun 06/2/26	161	
vi	Installation of corrosion monitoring system	85 tlays	Sun 05/12/4	Sam 06/2/26		
\$60	Approval of specialist contractor and method statement	60 days	San 05/12/4	Wed 06/2/1	0.0000000000000000000	
+ +	Jusial arias of concesson moniforing system	25 daya	Thu 06/2/2	Sun 01v2726	141,163	
\$2 ⁻¹	Construction of villa	110 daya	Pri #6/2/17	Tue 06/6/6		
-	Concrete structure	50 days	Man 06:2/27	Mon 06/4/17	162	
w	Friend	110 days	Fri 06/2/17	Tue 06/5/6		
30	Material submission	60 days	Fn 06/2/17	Man 06/4/17	In the second s second second se second second s	
26	Construction	50 days	Tue 06/4/18	Tue 06466	158.170	
activity Visiter 1	nes cyrynsong benes Tiek RHRHHIMMA	240 C		Sucranezs	(1717)	
	Split	Commencement	Mitcalcas	Campleti	en Milesens Paga S	Chileal Take (see 1) 222/2222223 Minitanese Renod [1111] [[111]]

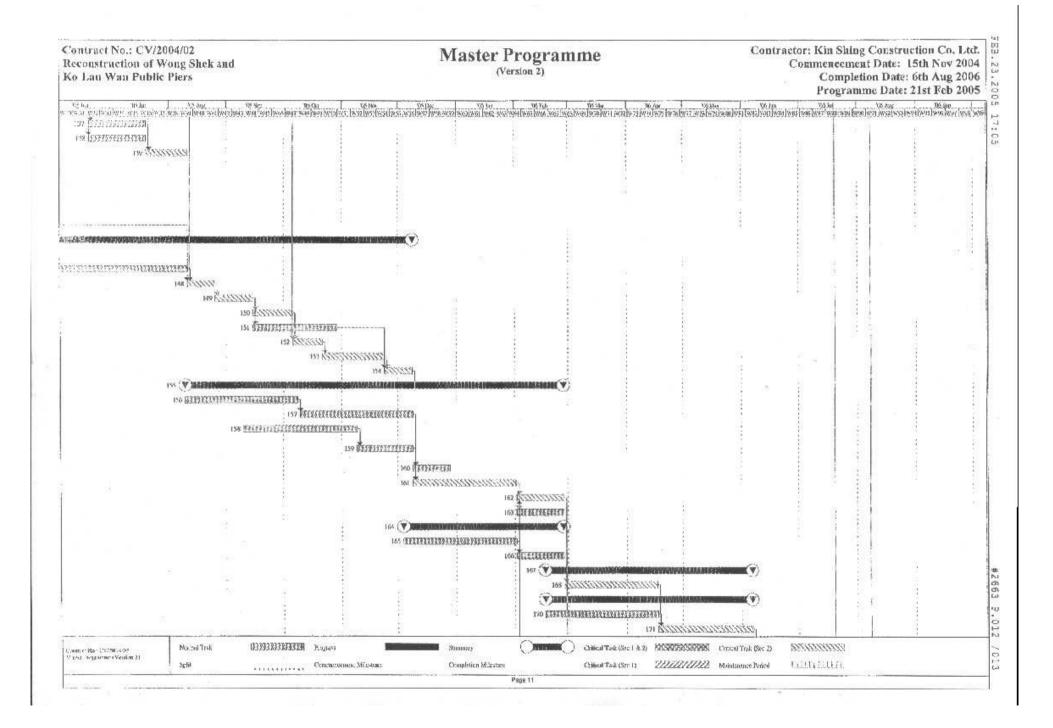
Reco	tract No.: CV/2004/02 Instruction of Wong Shek and Lau Wan Public Piers			Mas	(Version 2	ramme		Contr	Commencem Compl	ng Construction Co lent Date: 15th Nov letion Date: 6th Aug mme Date: 21st Feb	v 20 g 20
11	Tan Hane	Durton	.San	Finish	Pteulegestaors	1. J	1 Dec	10	Ve Mar	to in the state of	ainsi 5
2	Construction of walking cover 1 & 2	245 days	Wed 05/10/5	Tue 06/6/6			93.0293.977.LWFD.957.9	- and the second se	; Attendencesenerseners	1000 JIBB FEASDER: IN CASH 012901	10.54.00
×1.	Approval of specialist contractor	60 days	Wed 05/10/5	Sat 05/12/3			64		1.0		
	Summassion of workshop drawings for connection details with	60 days	Sun 05/12/4	Wed 06/2/1	177	10 S		Đ	1		
4	deck Material submissions	85 days	Sun 05/12/4	Sun 06/2/26	171		1	1	11		
51	Submission of workshop drawing for remniaing roof system	85 days	Sun 05/12/4	Sun 06/2/26	179	-	1				
	Construction of sicel works	50 days	Moii 06/2/27	Mon 06/4/17	124,142,175	-	1		1 I.		
si.	Frection of roof covers	50 days	Tue 06/4/18	Tue 06/6/6	171		1		1 I.		
N.I.	Electrical system, CLP meter box and lighting system	200 clays	Tue 05/11/29	Frl 06/6/16			1	1			
d.	Approval of specialist contractor	30 days	The 05/11/29	Wed 05/12/28			-	1			
1	Liaison with CLP and EMSD	60 days	The 05/12/29	Sun 06/2/26	100			5			
2 1	lostaflation	100 days	Мон 06/2/27	Tue 06/6/6	162,184	***		i.	1 ³⁰		
i.	Testing	10 days	Wed 06/6/7	Fri 06/6/16	1.62		12	-	1 1 1		
5	Construction of Boor finish	130 days	Thu 06/3/9	Sun 06/7/16				i.	1		
	Malerial submissions	90 days	Thu 06/3/9	Tac 06-6/6	-			i.			
7	Site works	40 days	Wed 06/6/7	Sun 06/7/16	134,185,171			1			
1	Construction of hand railing, senting benches and notice hourds	(50 days	141 06/2/17	Sun 86/7/16	· · · · · · · · · · · · · · ·						
1	Materral submission	60 days	Pri 06/2/17	Man 06/4/17	-			1		8	
	Centurgation	90 days	Tue 06/4/18	Son 06/7/16	183						
ġ.	Installation of feuler system	190 days	Sun 06/1/8	Sun 86/7/16					1		
	Material submission	31 days	Sun D6/178	Tue 06/2/7				1	-		
1	Ordering of insterial	59 days	Wed 06/2/8	Ini 06/4/7	191			÷			
3	Site werks	100 days	Sat 06/4/8	Stats 06/7/16	192			đ	ŧ		
1	Relocation of navigation light by Marine Dept.	92 days	Mon 06/4/17	Mon 06/7/17				4	1		
	Application to Marine Department	91 days	Mon 06/4/17	Sunt 06/7/16		<u> </u>					
	Relocation	l day	Mon 06/7/17	Mon 06/7/17	113,193,195,396,189			1	4		
1	Commissioning of the pler	1 day	Tue #6/7/18	Tue 06/7/18	126			÷.		1	
	Demolition of the temporary burth and the existing pier	141 days	Sun 06/3/19	Sun 06/8/6					1		
1	Survey to existing structure	31 days	Son 06/3/19	The 064418				1	1	1	
3	Design and ICE checking of demolition plan	őt days	Wed 06/4/19	Sun 06/6/18	195			4		4	
1	Subarission for Engineer's comments	30 days	Men 06/6/19	The 06/7/18	2895			1	1.0		
-	Eisiaon with local residents	30 days	Mon 06/6/19	Tue 06/7/18	200						
s'i	Demolition	19 days	Wed 06/7/19	Sim 05/8/6	197,702,201				1	1	
	Maintenance Period for the Works	365 days	31on 06/8/7	Alon 17/8/6	203	<u> </u>				1. 	
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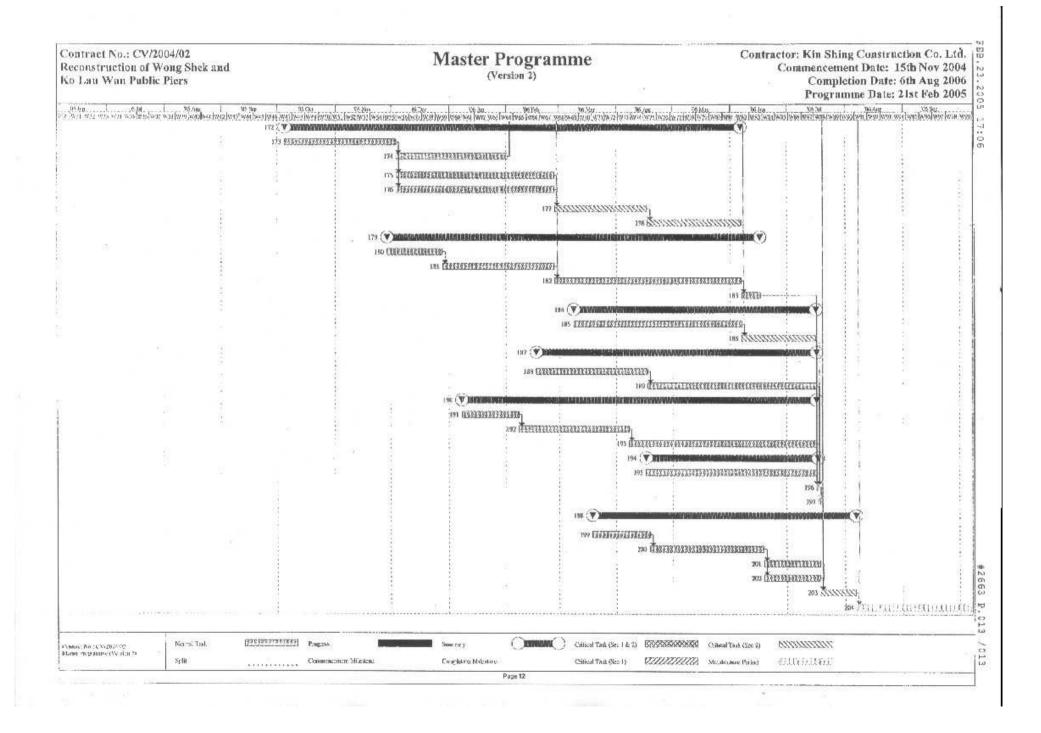




Figure 4.1

Layout of Environmental Monitoring Stations

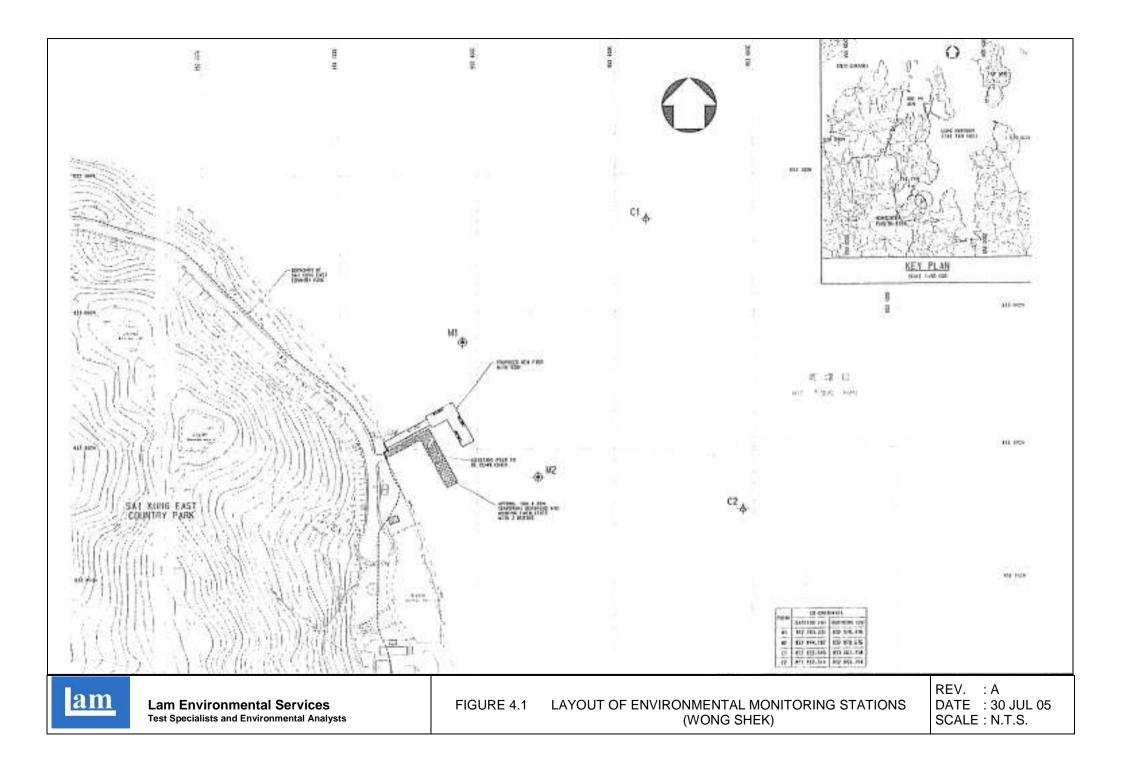
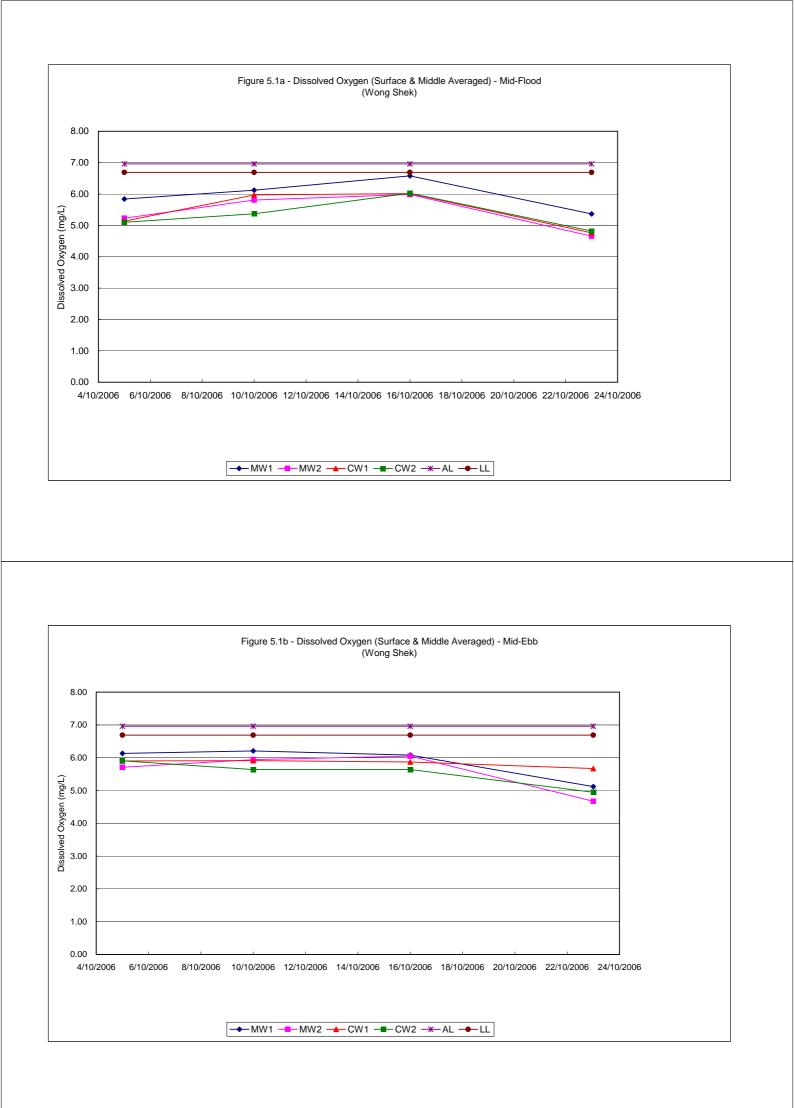
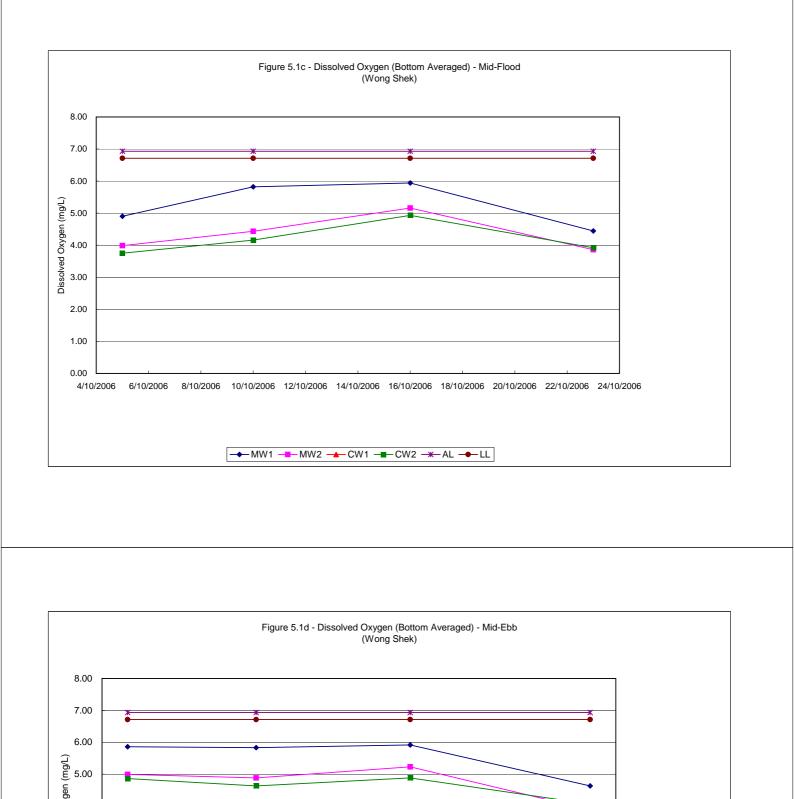


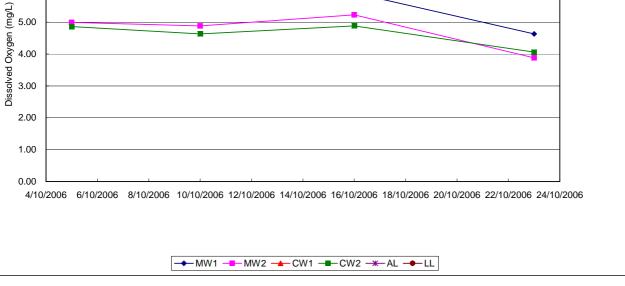


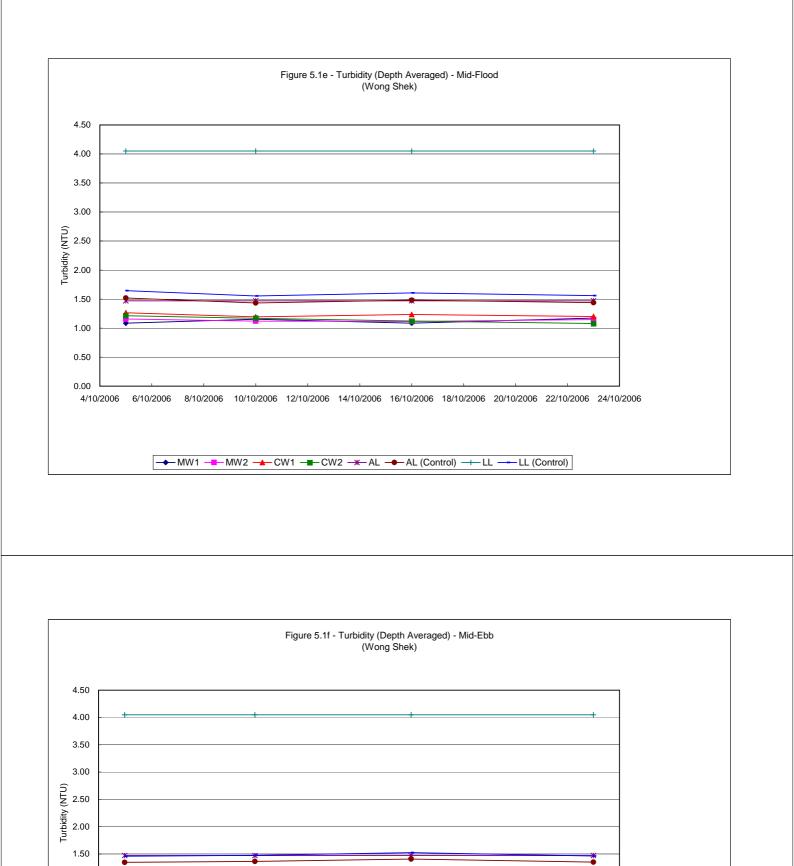
Figure 5.1a-h

Graphical Plots of Water Quality Monitoring Results









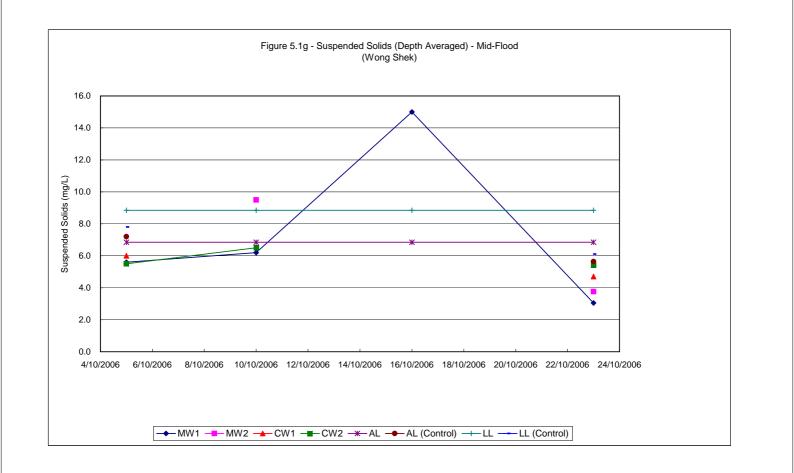
MW1 — MW2 — CW1 — CW2 — AL — AL (Control) — LL — LL (Control)

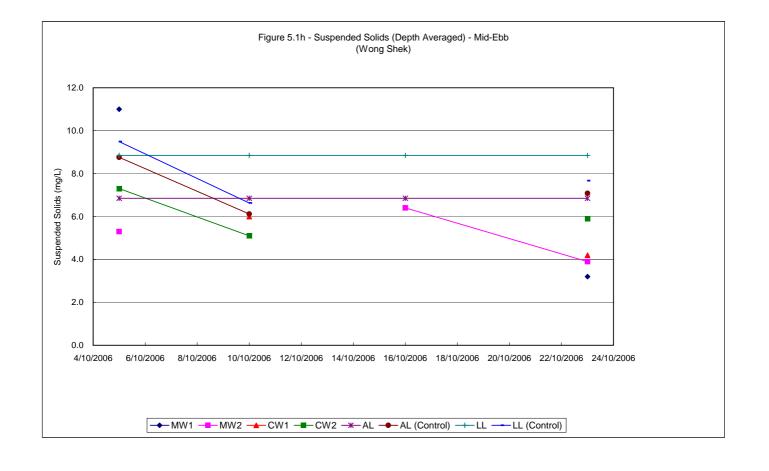
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Appendix A

Organization Chart



Project Proponent Environmental Protection Department Civil Engineering and Development Civil Engineering Office Mr. David C. S. Leung (Tel: 2760 5737; Fax: 2714 2054; Mobile: 96301235) **Environmental Team** Independent Environmental Checker Lam Environmental Services MateriaLab Consultants Limited Mr. Jason T. L. Poon Mr. Raymond Dai Senior Environmental Scientist Manager (Tel: 2975 3300; Fax: 2897 5509; Mobile: 9738 0738) (Tel: 2452 7140; Fax: 2450 6138; Mobile: 9450 1968)

> Main Contractor Kin Shing Construction Co. Ltd. Mr. W. F. Lok Site Agent (Tel: 27296779; Fax: 2729 7858; Mobile: 9847 8334)



Appendix B

Implementation Schedule of Mitigation Measures

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.	Implemented	-
	AQ07	Stockpiles of sand, aggregate and construction and demolition material greater than 20m ³ 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	-
	WQ02	The polluted water from the wheel washing facilities would not be discharged into all existing stream courses/drains and nearby waterbodies.	Not applicable	-
	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	-
	WQ09	Silt curtain shall be provided during all demolition works and piling works with the Site.	Not applicable at this stage	-

Implementation Schedule of Mitigation Measures - Wong Shek



Environmental Aspect	No.	Mitigation Measures	Implementation Status	Follow Up action(s)
	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.	Not applicable at this stage	-
	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	-

Implementation Schedule of Mitigation Measures - Wong Shek



Appendix C

Calibration Certificates for Monitoring Equipment

Record sheet for calibration of Water Sonde

Item Sto	ELY ck No :	42}/424 Date of Calibrati	ion: <u>20/j-/</u>	06	Procedure Used :	<u>IC 34</u>
Temp.:	,	Operator :				~

A <u>Temperature Check</u>

Reference Equipment Used : Me	ercury-in- G	lass the	rmometer Stoc	k No.: C51	
Reference Equipment reading :	28.4	<u>°C</u>	Sonde reading_	28.26	°C
Reference Equipment reading :	28.4	°C	Sonde reading	28.24	°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 <u>v. o</u> / %

C Conductivity (Salinity Calibration)

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 1C34 Revision No. 0

E	Turbidity Calibration
---	-----------------------

-

 Standards Used :
 , _______, (NTU)

 Check Standard :
 ________ Readout Value :
 (NTU)

Difference between readout value and actual value should be less than 10% .

F pH check	
Standard Used : pH	, pH?
Buffer standard : pH $\underline{-9.50}$	
QC Check Standard : pH 9.182 .	Readout Value : pH <u>9.17</u>
Certified by:	Date : <u>22 April ib</u>

••••

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		CE	RTIFICATE O	F CALIBRAT	ION
Honour Ind. Centre			IN - H	OUSE	
n Yip SI. Chai Wan I Kong		Date Of Issue :		Serial No : IC 42	b/ /EL
Item Being Calibra	ited : <u>Turbi</u>	idity Standards (Gelex) Date	Of Calibration :	1/10/2006
Item Stock No :	E	.t4+1	Opera	itor :	Jan-
Environment Tem	o. °C <u>:</u>	20°C	Proce	dure No Used :	IC 42 (Revision No
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		1	0.98		
0 - 10 NTU		5	4.78	0.9998	> 0.996
		10	9.92		
		20	18.9		
10 - 100 NTU		50	47.5	0.9997	> 0.996
		80	78-6		
		100	95.3		
100 - 1000 NTU		400	409	0.9996	> 0.996
		800	786		
1		and Gelex Standards (acturer's recommendati	complies / does not comp ion.		4
Input data checked by : _	- fr	<u></u>	Certified	by: Operations-Main	nager



Appendix D

Water Quality Monitoring Results

Project:	Contract I	No. CV/2004/0	2 Recons	truction of W	Vong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
Date of	Sampling:	5/10/2006		w	eather C	ondition:		sunny			Ambie	nt Tempera	ature,⁰C:	31		T	Tide State:	Mid-Floo	od		
Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxvae	n ma/l	Dissolve	ed Oxyge	n %	Salinity,	ppt	Turbidity	NTU		Suspend	ded Solid	s ma/l	Remarks
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MW1 M	17:13	small wave	5						5.64			04.0					1.09			5.6	
MW1 B	17:16			4	25.5	25.5	4.90	4.90	4.90	75.5	75.4	75.5	36.2	36.2	1.16	1.16		5.6			
MW2 S	16:45			1	26.0	26.0	5.62	5.64	5.23	80.5	80.5	76.9	36.3	36.3	1.29	1.38		<5.0			
MW2 M	16:48	small wave	11	5.5	25.7	25.7	4.83	4.83	5.25	73.3	73.3	70.5	36.4	36.4	1.15	1.10	1.16	<5.0		#DIV/0!	
MW2 B	16:51			10	25.5	25.4	3.99	3.98	3.99	68.4	68.2	68.3	36.6	36.6	1.02	1.00		<5.0			
CW1 S	17:10								5.14			76.6									
CW1 M	17:13	small wave	3	1.5	25.6	25.6	5.13	5.14	0.14	76.5	76.6	10.0	36.3	36.2	1.32	1.21	1.27	6.0		6.0	
CW1 B	17:16								#DIV/0!			#DIV/0!									
CW2 S	16:50			1	25.8	25.8	5.58	5.50	5.10	82.2	82.2	76.5	36.0	36.1	1.16	1.21		<5.0	<5.0		
CW2 M	16:53	small wave	12	6	25.4	25.5	4.66	4.66	0.10	70.8	70.8	10.0	36.3	36.3	1.42	1.40	1.21	<5.0	<5.0	5.5	
CW2 B	16:56			11	25.3	25.3	3.75	3.75	3.75	61.3	61.2	61.3	36.5	36.5	1.02	1.07		<5.0	5.5		
Equipmer	t used:	Dissolved Ox			EM	6167			on Check:		100	-					Sampled		Cheng Y		
		Turbidity Met			EM	2365			on Check:		9.4	-					Checked	-	Raymon		
		Salinity Mete			EM	6167		Calibrati	on Check:		34.7	ppt					Date:		12/10/20	006	
		Thermomete	r:		EM	6167															
Project:	Contract I	No. CV/2004/0)2 Recons	truction of W	Vong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
		No. CV/2004/0				k and Ko		n Public sunny	Piers			Kin Shing					Job No.: Tide State:				
Date of		5/10/2006 Sea	Overall	W	eather C	ondition: ature, °C	Dissolve	sunny d Oxyge	n, mg/L	Dissolve	Ambie	nt Tempera	ature,⁰C: Salinity,	31 ppt	Turbidity	, NTU	Tide State:	Mid-Ebb	ded Solid		Remarks
	Sampling:	5/10/2006 Sea		W	eather C	ondition:		sunny d Oxyge			Ambie	nt Temper	ature,⁰C:	31		, NTU		Mid-Ebb		s, mg/L Depth Average	Remarks
Date of	Sampling:	5/10/2006 Sea	Overall	W	eather C	ondition: ature, °C	Dissolve	sunny d Oxyge	n, mg/L	Dissolve	Ambie d Oxyge	nt Tempera	ature,⁰C: Salinity,	31 ppt	Turbidity	, NTU	Tide State: Average	Mid-Ebb		Depth Average	Remarks
Date of Station	Sampling: Time	5/10/2006 Sea	Overall	W Sampling Depth,m	feather C	ondition: ature, °C b	Dissolve a	sunny d Oxyge b	n, mg/L Average	Dissolve	Ambie d Oxyge b	nt Tempera n, % Average	ature,°C: Salinity, a	91 ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth	Remarks
Date of Station MW1 S	Sampling: Time 11:50	5/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m	feather C	ondition: ature, °C b	Dissolve a	sunny d Oxyge b	n, mg/L Average	Dissolve	Ambie d Oxyge b	nt Tempera n, % Average	ature,°C: Salinity, a	91 ppt b	Turbidity a	, NTU b	Tide State: Average	Mid-Ebb Suspend		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 11:50 11:53	5/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m	Tempera a 25.4	ondition: ature, °C b 25.4	Dissolve a 6.13	sunny d Oxyge b 6.13	n, mg/L Average 6.13	Dissolve a 85.8	Ambie d Oxyger b 85.8	nt Tempera n, % Average 85.8	ature, ⁰C: Salinity, a 36.1	231 ppt b 36.1	Turbidity a 1.15	, NTU b 1.18	Tide State: Average	Mid-Ebb Suspend <5.0 <5.0		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 11:50 11:53 11:56 11:30 11:33	5/10/2006 Sea Condition	Overall Depth, m	Sampling Depth,m 1 3 1 4.5	Veather C Tempera 25.4 25.2 25.7 25.5	ondition: ature, °C b 25.4 25.2 25.7 25.5	Dissolve a 6.13 5.86 5.98 5.45	sunny d Oxygei b 6.13 5.86 5.95 5.45	n, mg/L Average 6.13 5.86 5.71	Dissolve a 85.8 80.6 83.6 79.4	Ambieu d Oxygeu b 85.8 80.6 83.6 79.4	nt Tempera Average 85.8 80.6 81.5	Salinity, a 36.1 36.1	31 ppt 36.1 36.1	Turbidity a 1.15 0.97	, NTU b 1.18 1.02 1.13 1.20	Tide State: Average	Mid-Ebb Suspend <5.0 <5.0 11		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 11:50 11:53 11:56 11:30	5/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1	Veather C a 25.4 25.2 25.7	ondition: ature, °C b 25.4 25.2 25.2 25.7	Dissolve a 6.13 5.86 5.98	sunny d Oxyge b 6.13 5.86 5.95	n, mg/L Average 6.13 5.86	Dissolve a 85.8 80.6 83.6	Ambiei d Oxygei b 85.8 80.6 83.6	n, % Average 85.8 80.6	ature,°C: Salinity, a 36.1 36.1 35.8	31 ppt 36.1 36.1 35.8	Turbidity a 1.15 0.97 1.26	, NTU b 1.18 1.02 1.13	Average	Mid-Ebb Suspend <5.0 <5.0 11 <5.0		Depth Average 11.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 11:50 11:53 11:56 11:30 11:33	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4	Sampling Depth,m 1 3 1 4.5	Veather C Tempera 25.4 25.2 25.7 25.5	ondition: ature, °C b 25.4 25.2 25.7 25.5	Dissolve a 6.13 5.86 5.98 5.45	sunny d Oxygei b 6.13 5.86 5.95 5.45	n, mg/L Average 6.13 5.86 5.71	Dissolve a 85.8 80.6 83.6 79.4	Ambieu d Oxygeu b 85.8 80.6 83.6 79.4	nt Tempera Average 85.8 80.6 81.5	ature, °C: Salinity, a 36.1 36.1 35.8 35.9	31 ppt b 36.1 36.1 35.8 35.9	Turbidity a 1.15 0.97 1.26 1.04	, NTU b 1.18 1.02 1.13 1.20	Tide State: Average 1.08	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3		Depth Average 11.0 5.3	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03	5/10/2006 Sea Condition small wave	Overall Depth, m 4	Sampling Depth,m 1 3 1 4.5	Veather C Tempera 25.4 25.2 25.7 25.5	ondition: ature, °C b 25.4 25.2 25.7 25.5	Dissolve a 6.13 5.86 5.98 5.45	sunny d Oxygei b 6.13 5.86 5.95 5.45	n, mg/L Average 6.13 5.86 5.71 4.99 5.90	Dissolve a 85.8 80.6 83.6 79.4	Ambieu d Oxygeu b 85.8 80.6 83.6 79.4	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2	ature, °C: Salinity, a 36.1 36.1 35.8 35.9	31 ppt b 36.1 36.1 35.8 35.9	Turbidity a 1.15 0.97 1.26 1.04	, NTU b 1.18 1.02 1.13 1.20	Average	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3		Depth Average 11.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5 8 1.5	reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.3	ature, °C b 25.4 25.2 25.7 25.5 25.2 25.2 25.4	Dissolve a 6.13 5.86 5.98 5.98 5.98 5.99 5.90	sunny d Oxyge b 6.13 5.86 5.95 5.95 5.45 4.99 5.90	n, mg/L Average 6.13 5.86 5.71 4.99	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2	nt Tempera n, % Average 85.8 80.6 81.5 71.3	ature, °C: Salinity, a 36.1 36.1 35.8 35.9 36.0 36.0	31 ppt 36.1 36.1 35.8 35.9 36.0 36.0	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20	, NTU b 1.18 1.02 1.13 1.20 0.94	Tide State: Average 1.08	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0		Depth Average 11.0 5.3	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4	Sampling Depth,m 1 3 1 4.5 8	reather C Tempera a 25.4 25.2 25.7 25.5 25.3	ondition: b 25.4 25.2 25.7 25.5 25.2	Dissolve a 6.13 5.86 5.98 5.45 4.99	sunny d Oxygei b 6.13 5.86 5.95 5.45 4.99	n, mg/L Average 6.13 5.86 5.71 4.99 5.90	Dissolve a 85.8 80.6 83.6 79.4 71.3	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2	ature,°C: <u>Salinity,</u> a 36.1 36.1 35.8 35.9 36.0	31 ppt 36.1 36.1 35.8 35.9 36.0	Turbidity a 1.15 0.97 1.26 1.04 0.83	1.18 1.02 1.13 1.20 0.94	Tide State: Average 1.08	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0		Depth Average 11.0 5.3	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW1 B CW2 S CW2 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:43	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5 8 1.5 1 5.5	reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.4 25.4 25.6 25.6 25.4	ature, °C b 25.4 25.7 25.5 25.2 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.5 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 5.90 6.11 5.70	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt 36.1 36.1 35.8 35.9 36.0 36.0	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Tide State: Average 1.08	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	4ed Solid <5.0	Depth Average 11.0 5.3	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 M MW2 M MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B CW1 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9 3	W Sampling Depth,m 1 3 1 4.5 8 1.5 1	reather C Tempera 25.4 25.2 25.5 25.5 25.3 25.4 25.4 25.4	ondition: ature, °C b 25.4 25.2 25.7 25.5 25.5 25.2 25.4 25.4 25.4 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 5.90 6.11	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0!	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0!	ature,°C: Salinity, a 36.1 36.1 35.8 35.9 36.0 36.0 36.0 35.9	31 ppt 36.1 36.1 35.8 35.9 36.0 36.0 36.0	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34	, NTU b 1.18 1.02 1.13 1.20 0.94 1.25	Average 1.08 1.07 1.23	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0	-5.0	Depth Average 11.0 5.3 #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW1 B CW2 S CW2 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:46	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9 3 11	W Sampling Depth,m 1 3 1 4.5 8 1.5 1.5 10	reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.4 25.4 25.6 25.6 25.4	ature, °C b 25.4 25.2 25.7 25.5 25.2 25.4 25.4 25.4 25.4 25.4 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 5.90 6.11 5.70 4.86	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Average 1.08 1.07 1.23	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0		Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:46	5/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3 11	W Sampling Depth,m 1 4.5 8 1 4.5 8 1 5.5 10	reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.3 25.4 25.4 25.4 25.4 25.4 25.4	ature, °C b 25.4 25.7 25.5 25.2 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.5 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b c.13 5.86 5.95 5.45 4.99 5.90 6.11 5.70 4.86 Calibrati	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91 4.86	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxyger b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4 65.6	n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Inde State: Average 1.08 1.07 1.23 1.12	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0 <5.0 S.0	4ed Solid <5.0	Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:46	5/10/2006 Sea Condition small wave small wave small wave small wave	Overall Depth, m 4 9 3 11 sygen Mete er:		Tempera 25.4 25.2 25.4 25.5 25.5 25.3 25.4 25.4 25.5 25.4 25.4 25.5 25.5 25.4 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.2 EM	ondition: ature, °C b 25.4 25.2 25.7 25.5 25.2 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.2 6167	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 6.11 5.90 6.11 5.70 4.86 Calibrati	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91 4.86 on Check:	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4 65.6 100	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6 100%: NTU	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Inde State: Average 1.08 1.07 1.23 1.12 Sampled	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0 <5.0 S.0		Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW2 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40	5/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9 3	W Sampling Depth,m 1 3 1 4.5 8 1.5 1	reather C Tempera 25.4 25.2 25.5 25.5 25.3 25.4 25.4 25.4	ondition: ature, °C b 25.4 25.2 25.7 25.5 25.5 25.2 25.4 25.4 25.4 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 5.90 6.11	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0!	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0!	ature,°C: Salinity, a 36.1 36.1 35.8 35.9 36.0 36.0 36.0 35.9	31 ppt 36.1 36.1 35.8 35.9 36.0 36.0 36.0	Turbidity 1.15 0.97 1.26 1.04 0.83 1.20 1.34	, NTU b 1.18 1.02 1.13 1.20 0.94 1.25	Average 1.08 1.07 1.23	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0	-5.0	Depth Average 11.0 5.3 #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:43 11:46	5/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3 11	W Sampling Depth,m 1 3 1 4.5 8 1.5 1.5 10	reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.3 25.4 25.4 25.4 25.4 25.4 25.4	ature, °C b 25.4 25.2 25.7 25.5 25.2 25.4 25.4 25.4 25.4 25.4 25.4	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 5.90 6.11 5.70 4.86	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91 4.86	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxyger b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4 65.6	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Inde State: Average 1.08 1.07 1.23 1.12	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0		Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:43 11:46	5/10/2006 Sea Condition small wave small wave small wave small wave	Overall Depth, m 4 9 3 11	W Sampling Depth,m 1 4.5 8 1 4.5 8 1 5.5 10	Tempera 25.4 25.2 25.4 25.5 25.5 25.3 25.4 25.4 25.5 25.4 25.4 25.5 25.5 25.4 25.4 25.5 25.4 25.5 25.4 25.5 25.4 25.2 EM	ondition: ature, °C b 25.4 25.2 25.7 25.5 25.2 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.2 6167	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b c.13 5.86 5.95 5.45 4.99 5.90 6.11 5.70 4.86 Calibrati	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91 4.86 on Check:	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxygen b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4 65.6 100	n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Index Index Index	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0 <5.0 S.0		Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:43 11:46	5/10/2006 Sea Condition small wave small wave small wave Small wave Dissolved Op Turbidity Met	Overall Depth, m 4 9 3 11 sygen Mete er:		reather C Tempera 25.4 25.2 25.7 25.5 25.3 25.3 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.2 EM	ondition: ature, °C b 25.4 25.2 25.7 25.5 25.2 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.4 25.2 6167 2365	Dissolve a 6.13 5.86 5.98 5.45 4.99 5.90 6.11 5.70 4.86	sunny d Oxyge b 6.13 5.86 5.95 5.45 4.99 6.11 5.90 6.11 5.70 4.86 Calibrati	n, mg/L Average 6.13 5.86 5.71 4.99 5.90 #DIV/0! 5.91 4.86 on Check:	Dissolve a 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4	Ambien d Oxyger b 85.8 80.6 83.6 79.4 71.3 82.2 83.7 75.4 65.6 100 9.4	nt Tempera n, % Average 85.8 80.6 81.5 71.3 82.2 #DIV/0! 79.6 65.6 100%: NTU	ature,°C: <u>Salinity</u> a 36.1 35.8 35.9 36.0 36.0 35.9 35.9 35.9	31 ppt b 36.1 35.8 35.9 36.0 36.0 36.0 35.9 35.9	Turbidity a 1.15 0.97 1.26 1.04 0.83 1.20 1.34 1.00	. NTU b 1.18 1.02 1.13 1.20 0.94 1.25 1.22 1.06	Inde State: Average 1.08 1.07 1.07 1.12 Sampled Checked	Mid-Ebb Suspend <5.0 <5.0 11 <5.0 5.3 <5.0 <5.0 <5.0 <5.0 <5.0 S.0	<pre><5.0 9.6 <5.0 Cheng Y Raymon</pre>	Depth Average 11.0 5.3 #DIV/0! 7.3	Remarks

Project:	Contract	No. CV/2004/0	02 Recons	truction of W	/ong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
Date of	Sampling:	10/10/2006		w	eather C	ondition:		sunny			Ambie	nt Tempera	ature,⁰C:	31		T	Fide State:	Mid-Floo	od		
Station	Time	Sea	Overall	Sampling	Tempera	ature, °C	Dissolve	d Oxvae	n. ma/L	Dissolve	ed Oxyge	n. %	Salinity,	ppt	Turbidity	NTU		Suspend	ted Solid	s. ma/L	Remarks
			Depth, m		а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	9:20			1	25.9	25.9	6.12	6.12		93.2	93.2		35.8	35.8	1.16	1.28		<5.0			
MW1 M	9:23	small wave	5						6.12			93.2					1.15			6.2	
MW1 B	9:26			4	25.7	25.7	5.82	5.82	5.82	88.4	88.4	88.4	36.0	36.0	1.04	1.13		6.2			
MW2 S	9:00			1	25.8	25.8	6.08	6.08		89.6	89.8		35.6	35.6	1.09	1.14		<5.0			
MW2 M	9:03	small wave	12	6	25.5	25.5	5.54	5.54	5.81	78.4	78.4	84.1	35.8	35.8	1.03	0.92	1.12	8.0		9.5	
MW2 B	9:06			11	25.4	25.4	4.43	4.43	4.43	69.3	69.3	69.3	35.9	36.0	1.26	1.28		11.0			
CW1 S	9:30								5.07									<5.0			
CW1 M	9:33	small wave	3	1.5	25.7	25.7	5.97	5.97	5.97	87.8	87.8	87.8	35.8	35.8	1.17	1.22	1.20	<5.0		#DIV/0!	
CW1 B	9:36								#DIV/0!			#DIV/0!						<5.0			
CW2 S	9:10			1	25.7	25.7	5.93	5.92	5.07	88.4	88.4	02.2	35.7	35.7	1.28	1.19		6.5	<5.0		
CW2 M	9:13	small wave	13	6.5	25.4	25.4	4.83	4.80	5.37	76.5	76.0	82.3	35.9	35.9	1.01	0.95	1.17	<5.0	<5.0	6.5	
CW2 B	9:16			12	25.3	25.2	4.16	4.16	4.16	68.6	68.6	68.6	36.0	36.0	1.31	1.27		<5.0	<5.0		
Equipmer	it used:	Dissolved Ox	kygen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled	By:	Cheng \	Ί	
		Turbidity Met	ter:		EM	2365		Calibrati	on Check:		10.7	NTU					Checked	By:	Raymon	d Dai	
		Salinity Mete	r:		EM	6167		Calibrati	on Check:		34.8	ppt					Date:		17/10/20	006	
		Thermomete	r:		EM	6167															
Project:	Contract	No. CV/2004/0	02 Recons	truction of V	/ong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
		No. CV/2004/0				k and Ko		n Public cloudy	Piers			Kin Shing					Job No.: Fide State:				
		10/10/2006 Sea	Overall	Sampling	eather C	ondition: ature, °C	Dissolve	cloudy d Oxyge	n, mg/L	Dissolve	Ambier	nt Tempera	ature,⁰C: Salinity,	31 ppt	Turbidity	, NTU	Fide State:				Remarks
Date of	Sampling:	10/10/2006 Sea		Sampling	eather C	ondition:		cloudy			Ambier	nt Tempera	ature,⁰C:	31		, NTU		Mid-Ebb		s, mg/L Depth Average	Remarks
Date of	Sampling:	10/10/2006 Sea	Overall	Sampling	eather C	ondition: ature, °C	Dissolve	cloudy d Oxyge	n, mg/L Average	Dissolve	Ambier	nt Tempera n, % Average	ature,⁰C: Salinity,	31 ppt	Turbidity	, NTU	Fide State:	Mid-Ebb		Depth	Remarks
Date of Station	Sampling: Time	10/10/2006 Sea	Overall	W Sampling Depth,m	Tempera a	ondition: ature, °C b	Dissolve a	cloudy d Oxyge b	n, mg/L	Dissolve	Ambier d Oxyger b	nt Tempera	ature,°C: Salinity, a	31 ppt b	Turbidity a	, NTU b	Fide State:	Mid-Ebb		Depth	Remarks
Date of Station MW1 S	Sampling: Time 16:05	10/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m	Tempera a	ondition: ature, °C b	Dissolve a	cloudy d Oxyge b	n, mg/L Average	Dissolve	Ambie d Oxyge b	nt Tempera n, % Average	ature,°C: Salinity, a	31 ppt b	Turbidity a	, NTU b	Fide State:	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 16:05 16:08	10/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m 1	Tempera a 25.7	ondition: ature, °C b 25.7	Dissolve a 6.20	cloudy d Oxyge b 6.21	n, mg/L Average 6.21 5.83	Dissolve a 93.8	Ambien d Oxygen b 93.8	nt Tempera Average 93.8 87.6	ature,⁰C: Salinity, a 35.7	31 b 35.7	Turbidity a 0.84	, NTU b 0.90	Fide State:	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 16:05 16:08 16:11	10/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m 1 3	Tempera a 25.7 25.7	ondition: ature, °C b 25.7 25.8	Dissolve a 6.20 5.83	cloudy d Oxyge b 6.21 5.83	n, mg/L Average 6.21	Dissolve a 93.8 87.6	Ambien b 93.8 87.5	nt Tempera n, % Average 93.8	Salinity, a 35.7 35.8	31 ppt b 35.7 35.8	Turbidity a 0.84 1.27	, NTU b 0.90 1.19	Fide State:	Mid-Ebb Suspenc <5.0 <5.0		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 16:05 16:08 16:11 15:45	10/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1	leather C Tempera 25.7 25.7 25.8	ondition: ature, °C b 25.7 25.8 25.8	Dissolve a 6.20 5.83 6.23	cloudy d Oxyge b 6.21 5.83 6.23	n, mg/L Average 6.21 5.83	Dissolve a 93.8 87.6 91.5	Ambiei d Oxygei b 93.8 87.5 91.5	nt Tempera Average 93.8 87.6	ature, °C: Salinity, a 35.7 35.8 35.8	31 ppt 35.7 35.8 35.8	Turbidity a 0.84 1.27 1.16	, NTU b 0.90 1.19 1.10	Average	Mid-Ebb Suspend <5.0 <5.0 <5.0		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 16:05 16:08 16:11 15:45 15:48	10/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5	eather C a 25.7 25.7 25.8 25.6	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6	Dissolve a 6.20 5.83 6.23 5.67	cloudy d Oxyge b 6.21 5.83 6.23 5.64	n, mg/L Average 6.21 5.83 5.94	Dissolve a 93.8 87.6 91.5 85.5	Ambieu b 93.8 87.5 91.5 85.5	nt Tempera n, % Average 93.8 87.6 88.5	ature, °C: Salinity, a 35.7 35.8 35.8 35.8 35.9	31 ppt 35.7 35.8 35.8 35.8 35.9	Turbidity a 0.84 1.27 1.16 1.23	0.90 0.90 1.19 1.25	Average	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51	10/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5	eather C a 25.7 25.7 25.8 25.6	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6	Dissolve a 6.20 5.83 6.23 5.67	cloudy d Oxyge b 6.21 5.83 6.23 5.64	n, mg/L Average 6.21 5.83 5.94 4.88	Dissolve a 93.8 87.6 91.5 85.5	Ambieu b 93.8 87.5 91.5 85.5	nt Tempera Average 93.8 87.6 88.5 79.8	ature, °C: Salinity, a 35.7 35.8 35.8 35.8 35.9	31 ppt 35.7 35.8 35.8 35.8 35.9	Turbidity a 0.84 1.27 1.16 1.23	0.90 0.90 1.19 1.25	Average	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 16:05 16:08 16:11 15:45 15:45 15:51 16:15	10/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 10	W Sampling Depth,m 1 3 1 5 9	eather C Tempera 25.7 25.7 25.8 25.6 25.3	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4	Dissolve a 6.20 5.83 6.23 5.67 4.88	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88	n, mg/L Average 6.21 5.83 5.94 4.88	Dissolve a 93.8 87.6 91.5 85.5 79.8	Ambien b 93.8 87.5 91.5 85.5 79.8	nt Tempera Average 93.8 87.6 88.5 79.8	ature, °C: <u>Salinity,</u> a 35.7 35.8 35.8 35.9 36.1	31 ppt 35.7 35.8 35.8 35.9 36.1	Turbidity a 0.84 1.27 1.16 1.23 1.04	, NTU b 0.90 1.19 1.10 1.25 0.98	Average 1.05 1.13	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0		Depth Average #DIV/0! #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 M	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:18	10/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 10	W Sampling Depth,m 1 3 1 5 9	eather C Tempera 25.7 25.7 25.8 25.6 25.3	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4	Dissolve a 6.20 5.83 6.23 5.67 4.88	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88	n, mg/L Average 6.21 5.83 5.94 4.88	Dissolve a 93.8 87.6 91.5 85.5 79.8	Ambien b 93.8 87.5 91.5 85.5 79.8	nt Tempera Average 93.8 87.6 88.5 79.8	ature, °C: <u>Salinity,</u> a 35.7 35.8 35.8 35.9 36.1	31 ppt 35.7 35.8 35.8 35.9 36.1	Turbidity a 0.84 1.27 1.16 1.23 1.04	, NTU b 0.90 1.19 1.10 1.25 0.98	Average 1.05 1.13	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0		Depth Average #DIV/0! #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 B	Sampling: Time 16:05 16:08 16:11 15:45 15:45 15:51 16:15 16:18 16:21	10/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 10	W Sampling Depth,m 1 3 1 5 9 1.5	eather C Tempera 25.7 25.7 25.8 25.6 25.3 25.6 25.6	ondition: ature, °C b 25.7 25.8 25.8 25.6 25.4 25.7 25.7	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88 5.92	n, mg/L Average 6.21 5.83 5.94 4.88 5.91	Dissolve a 93.8 87.6 91.5 85.5 79.8 89.3	Ambien d Oxyger b 93.8 87.5 91.5 85.5 79.8 89.3	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3	ature,°C: <u>Salinity,</u> a 35.7 35.8 35.8 35.9 36.1 35.8	31 ppt 5 35.7 35.8 35.8 35.9 36.1 35.8	Turbidity 0.84 1.27 1.16 1.23 1.04	, NTU b 0.90 1.19 1.10 1.25 0.98	Average 1.05 1.13	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		Depth Average #DIV/0! #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B CW2 S	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:15 16:18 16:21 15:55	10/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 10 3		eather C Tempera 25.7 25.7 25.8 25.6 25.6 25.6 25.6 25.7	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4 25.7 25.7 25.7	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90 5.90	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88 5.92 5.95	n, mg/L Average 6.21 5.83 5.94 4.88 5.91	Dissolve a 93.8 93.8 87.6 91.5 85.5 79.8 89.3 86.6	Ambien d Oxygen b 93.8 87.5 91.5 85.5 79.8 89.3 89.3 88.6	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3	ature,°C: <u>Salinity</u> , <u>a</u> 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.9 36.1	31 ppt 5 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.7	Turbidity a 0.84 1.27 1.16 1.23 1.04 1.20 1.16	, NTU b 0.90 1.19 1.10 1.25 0.98 1.03 1.02	Average 1.05 1.13 1.12	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	zed Solid	Depth Average #DIV/0! #DIV/0! 6.0	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:13 16:21 15:55 15:58 16:01	10/10/2006 Sea Condition small wave small wave small wave small wave	Overall Depth, m 4 10 3 12	W Sampling Depth,m 1 3 1 5 9 1.5 1 1 6 11	eather C Tempera 25.7 25.7 25.8 25.6 25.3 25.6 25.3 25.5 25.5 25.3	ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4 25.7 25.7 25.7 25.5 25.3	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90 5.97 5.32 4.63	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88 5.92 5.95 5.32 4.63	n, mg/L Average 6.21 5.83 5.94 4.88 5.91 5.64 4.63	Dissolve a 93.8 87.6 91.5 85.5 79.8 89.3 88.6 79.9	Ambien d Oxyger b 93.8 87.5 91.5 85.5 79.8 89.3 89.3 86.6 79.7 71.3	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3 89.3 83.2 71.3	ature,°C: <u>Salinity</u> , a 35.7 35.8 35.9 36.1 35.8 35.8 35.9 36.1 35.8 35.7 35.9	31 ppt b 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.7 35.9	Turbidity a 0.84 1.27 1.16 1.23 1.04 1.20 1.16 1.30	, NTU b 0.90 1.19 1.10 1.25 0.98 1.03 1.03 1.02 1.17	Average 1.05 1.13 1.12 1.14	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	set Solid	Depth Average #DIV/0! #DIV/0! 6.0 5.1	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 M CW1 B CW1 B CW2 S CW2 S	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:13 16:21 15:55 15:58 16:01	10/10/2006 Sea Condition small wave small wave small wave small wave Dissolved Ox	Overall Depth, m 4 10 3 12 xygen Mete	W Sampling Depth,m 1 3 1 5 9 1.5 1 1 6 11	eather C Tempera 25.7 25.7 25.8 25.6 25.6 25.6 25.7 25.6 25.5 25.5 25.3 EM	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4 25.7 25.7 25.7 25.7 25.7 25.5 25.3 6167	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90 5.90 5.97 5.32 4.63	cloudy d Oxyge b 6.21 5.83 6.23 5.64 4.88 5.92 5.95 5.32 4.63 Calibrati	n, mg/L Average 6.21 5.83 5.94 4.88 5.91 5.64 4.63 on Check:	Dissolve a 93.8 87.6 91.5 85.5 79.8 89.3 88.6 79.9	Ambien d Oxygen b 93.8 87.5 91.5 85.5 79.8 89.3 89.3 88.6 79.7 71.3 100	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3 83.2 71.3 100%:	ature,°C: <u>Salinity</u> , a 35.7 35.8 35.9 36.1 35.8 35.8 35.9 36.1 35.8 35.7 35.9	31 ppt b 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.7 35.9	Turbidity a 0.84 1.27 1.16 1.23 1.04 1.20 1.16 1.30	, NTU b 0.90 1.19 1.10 1.25 0.98 1.03 1.03 1.02 1.17	Index Index Average 1.05 1.13 1.13 1.12 1.14 Sampled 1.14	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	<5.0 <5.1 Cheng Y	Depth Average #DIV/0! #DIV/0! 6.0 5.1	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW1 B CW2 S CW2 M	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:13 16:21 15:55 15:58 16:01	10/10/2006 Sea Condition small wave small wave small wave small wave Dissolved Ox Turbidity Met	Overall Depth, m 4 10 3 12 sygen Meterer:	W Sampling Depth,m 1 3 1 5 9 1.5 1 1 6 11	eather C Tempera 25.7 25.7 25.8 25.6 25.3 25.6 25.3 25.5 25.5 25.3 EM	ondition: ature, °C b 25.7 25.8 25.8 25.6 25.4 25.7 25.7 25.7 25.7 25.5 25.3 6167 2365	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90 5.97 5.32 4.63	cloudy d Oxygen b 6.21 5.83 6.23 5.64 4.88 5.92 5.32 4.63 Calibrati	n, mg/L Average 6.21 5.83 5.94 4.88 5.91 5.64 4.63 on Check:	Dissolve a 93.8 87.6 91.5 85.5 79.8 89.3 88.6 79.9	Ambies d Oxyger b 93.8 87.5 91.5 85.5 79.8 89.3 89.3 89.3 86.6 79.7 71.3 100 10.7	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3 89.3 83.2 71.3 100%: NTU	ature,°C: <u>Salinity</u> , a 35.7 35.8 35.9 36.1 35.8 35.8 35.9 36.1 35.8 35.7 35.9	31 ppt b 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.7 35.9	Turbidity a 0.84 1.27 1.16 1.23 1.04 1.20 1.16 1.30	, NTU b 0.90 1.19 1.10 1.25 0.98 1.03 1.03 1.02 1.17	Average 1.05 1.13 1.12 1.14 Sampled Checked	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	<pre><s.0 <s.0="" <s.1="" \\="" cheng="" pre="" raymon<=""></s.0></pre>	Depth Average #DIV/0! #DIV/0! 6.0 5.1 'i d Dai	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 16:05 16:08 16:11 15:45 15:48 15:51 16:15 16:13 16:21 15:55 15:58 16:01	10/10/2006 Sea Condition small wave small wave small wave small wave Dissolved Ox	Overall Depth, m 4 10 3 12 sygen Mete	W Sampling Depth,m 1 3 1 5 9 1.5 1 1 6 11	eather C Tempera 25.7 25.7 25.8 25.6 25.6 25.6 25.7 25.6 25.5 25.5 25.3 EM	ondition: ature, °C b 25.7 25.8 25.8 25.8 25.6 25.4 25.7 25.7 25.7 25.7 25.7 25.5 25.3 6167	Dissolve a 6.20 5.83 6.23 5.67 4.88 5.90 5.97 5.32 4.63	cloudy d Oxygen b 6.21 5.83 6.23 5.64 4.88 5.92 5.32 4.63 Calibrati	n, mg/L Average 6.21 5.83 5.94 4.88 5.91 5.64 4.63 on Check:	Dissolve a 93.8 87.6 91.5 85.5 79.8 89.3 88.6 79.9	Ambien d Oxygen b 93.8 87.5 91.5 85.5 79.8 89.3 89.3 88.6 79.7 71.3 100	nt Tempera n, % Average 93.8 87.6 88.5 79.8 89.3 83.2 71.3 100%:	ature,°C: <u>Salinity</u> , a 35.7 35.8 35.9 36.1 35.8 35.8 35.9 36.1 35.8 35.7 35.9	31 ppt b 35.7 35.8 35.8 35.9 36.1 35.8 35.8 35.7 35.9	Turbidity a 0.84 1.27 1.16 1.23 1.04 1.20 1.16 1.30	, NTU b 0.90 1.19 1.10 1.25 0.98 1.03 1.03 1.02 1.17	Index Index Average 1.05 1.13 1.13 1.12 1.14 Sampled 1.14	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	<5.0 <5.1 Cheng Y	Depth Average #DIV/0! #DIV/0! 6.0 5.1 'i d Dai	Remarks

Project:	Contract	No. CV/2004/0)2 Recons	truction of V	Vong She	ek and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429	_		
Date of	Sampling:	16/10/2006		w	/eather C	ondition:	sunny				Ambie	nt Temper	ature,⁰C:	30		٦	Tide State:	Mid-Floo	bd	-	
Station	Time	Sea	Overall	Sampling	Tempera	ature, ⁰C	Dissolve	d Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspen	ded Solid	ls, mg/L	Remarks
		Condition	Depth, m		а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	15:50			1	26.8	26.8	6.58	6.58	6.58	83.6	83.6	83.6	36.5	36.5	1.07	1.32		15			
MW1 M	15:53	mid wave	5						0.58			03.0					1.09			15.0	
MW1 B	15:56			3	26.5	26.5	5.94	5.94	5.94	75.8	75.8	75.8	36.5	36.5	0.86	1.09		<5			
MW2 S	15:30			1	26.6	26.6	6.27	6.27	5.99	79.7	79.7	76.2	36.6	36.6	1.15	1.13					
MW2 M	15:33	mid wave	12	6	26.4	26.4	5.70	5.70	5.99	72.6	72.6	70.2	36.8	36.8	1.20	1.27	1.11	<5		#DIV/0!	
MW2 B	15:36			11	26.2	26.2	5.16	5.16	5.16	65.4	65.6	65.5	37.0	36.9	0.93	1.00		<5			
CW1 S	16:00								6.02			76.6									
CW1 M	16:03	mid wave	3	1.5	26.7	26.8	6.03	6.00	0.02	76.6	76.5	70.0	36.4	36.5	1.32	1.15	1.24	<5		#DIV/0!	
CW1 B	16:06								#DIV/0!			#DIV/0!									
CW2 S	15:40			1	26.6	26.6	6.40	6.37	6.02	75.8	75.5	70.3	36.4	36.4	1.30	1.19		<5	<5		
CW2 M	15:43	mid wave	13	6.5	26.3	26.3	5.66	5.66	0.02	65.0	64.7	10.5	36.6	36.6	1.04	1.11	1.12	<5	<5	#DIV/0!	
CW2 B	15:46			12	26.1	26.1	4.93	4.93	4.93	58.8	58.8	58.8	36.8	36.8	1.03	1.06		<5	<5		
		-																			
Equipmer	nt used:	Dissolved Ox	xygen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled	By:	Cheng \	ſi	
		Turbidity Met	er:		EM	2365		Calibrati	on Check:		10.1	NTU					Checked	By:	Raymor	id Dai	
		Salinity Mete	r:		EM	6167		Calibrati	on Check:		35.3	ppt					Date:		23/10/2	006	
		Thermomete	r:		EM	6167															
Project:	Contract						l au Wa	n Public	Piers		Client:	Kin Shina	Construe	ction Co	Ltd		Job No -	.1429			
		No. CV/2004/0)2 Recons	truction of V	Vong She	ek and Ko		n Public	Piers			Kin Shing					Job No.: Tide State:		-)		
Date of	Sampling:	No. CV/2004/0	02 Recons	truction of V	Vong She /eather C	ek and Ko	sunny				Ambie	nt Tempera	ature,°C:	30		7	Job No.: Tide State:	Mid-Ebb		-	Demosio
Date of		No. CV/2004/0)2 Recons	truction of W	Vong She /eather C	ek and Ko	sunny	d Oxyge				nt Tempera		30		7		Mid-Ebb	- o ded Solid	Depth	Remarks
Date of	Sampling:	No. CV/2004/0 	02 Recons	truction of W	Vong She /eather C Tempera	ek and Ko condition: ature, °C	sunny Dissolve	d Oxyge	n, mg/L	Dissolve	Ambie d Oxyge	nt Temper	ature,⁰C: Salinity,	30 ppt	Turbidity	, NTU	Tide State:	Mid-Ebb			Remarks
Date of Station	Sampling: Time	No. CV/2004/0 	02 Recons	truction of V W Sampling Depth,m	Vong She /eather C Tempera a	ek and Ko condition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L	Dissolve	Ambier d Oxyger b	nt Temper	ature,⁰C: Salinity, a	30 ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth	Remarks
Date of Station MW1 S	Sampling: Time 9:20	No. CV/2004/0 16/10/2006 Sea Condition	02 Recons Overall Depth, m	truction of V W Sampling Depth,m	Vong She /eather C Tempera a	ek and Ko condition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L Average	Dissolve	Ambier d Oxyger b	nt Tempera n, % Average	ature,⁰C: Salinity, a	30 ppt b	Turbidity a	, NTU b	Tide State: Average	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 9:20 9:23	No. CV/2004/0 16/10/2006 Sea Condition	02 Recons Overall Depth, m	truction of W W Sampling Depth,m 1	Vong She Veather C Tempera a 26.7	ek and Ko condition: ature, °C b 26.7	sunny Dissolve a 6.08	d Oxyge b 6.08	n, mg/L Average 6.08	Dissolve a 80.8	Ambien d Oxygen b 80.7	nt Tempera	ature,°C: Salinity, a 36.3	30 ppt b 36.3	Turbidity a 1.27	, NTU b 1.11	Tide State: Average	Mid-Ebb Suspen		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 9:20 9:23 9:26	No. CV/2004/0 16/10/2006 Sea Condition	02 Recons Overall Depth, m	Sampling Depth,m	Vong She /eather C 7 26.7 26.6	ek and Ko condition: ature, °C b 26.7 26.6	sunny Dissolve a 6.08 5.93	d Oxyge b 6.08 5.90	n, mg/L Average 6.08	Dissolve a 80.8 77.1	Ambien d Oxygen b 80.7 77.1	nt Tempera	ature, °C: Salinity, a 36.3 36.5	30 ppt b 36.3 36.4	Turbidity a 1.27 1.02	, NTU b 1.11 1.08	Tide State: Average	Mid-Ebb Suspen		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 9:20 9:23 9:26 9:00	No. CV/2004/(16/10/2006 Sea Condition mid wave	02 Recons Overall Depth, m 4	Sampling Depth,m 1 3 1	Vong She Yeather C Tempera 26.7 26.6 26.5	ek and Ko condition: ature, °C b 26.7 26.6 26.5	sunny Dissolve a 6.08 5.93 6.30	d Oxyge b 6.08 5.90 6.30	n, mg/L Average 6.08 5.92	Dissolve a 80.8 77.1 82.0	Ambien d Oxygen b 80.7 77.1 81.8	nt Temper N, % Average 80.8 77.1	ature,°C: Salinity, a 36.3 36.5 36.4	30 ppt b 36.3 36.4 36.4	Turbidity a 1.27 1.02 1.08	, NTU b 1.11 1.08 1.14	Average	Mid-Ebb Suspen <5 <5 <5		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 9:20 9:23 9:26 9:00 9:00 9:03	No. CV/2004/(16/10/2006 Sea Condition mid wave	02 Recons Overall Depth, m 4	truction of W W Sampling Depth, m 1 3 1 5	Vong She /eather C 26.7 26.6 26.5 26.3	ek and Ko ondition: ature, °C b 26.7 26.6 26.5 26.5 26.3	sunny Dissolve a 6.08 5.93 6.30 5.79	6.08 5.90 6.30	n, mg/L Average 6.08 5.92	Dissolve a 80.8 77.1 82.0 75.8	Ambier b 80.7 77.1 81.8 75.8	nt Tempera n, % Average 80.8 77.1 78.9	ature, °C: Salinity, a 36.3 36.5 36.4 36.6	30 ppt b 36.3 36.4 36.4 36.6	Turbidity a 1.27 1.02 1.08 1.20	1.11 1.08 1.13	Average	Mid-Ebb Suspenn <5 <5 <5 6.4		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:06	No. CV/2004/(16/10/2006 Sea Condition mid wave	02 Recons Overall Depth, m 4	truction of W W Sampling Depth, m 1 3 1 5	Vong She /eather C 26.7 26.6 26.5 26.3	ek and Ko ondition: ature, °C b 26.7 26.6 26.5 26.5 26.3	sunny Dissolve a 6.08 5.93 6.30 5.79	6.08 5.90 6.30	n, mg/L Average 6.08 5.92	Dissolve a 80.8 77.1 82.0 75.8	Ambier b 80.7 77.1 81.8 75.8	nt Tempera n, % Average 80.8 77.1 78.9	ature, °C: Salinity, a 36.3 36.5 36.4 36.6	30 ppt b 36.3 36.4 36.4 36.6	Turbidity a 1.27 1.02 1.08 1.20	1.11 1.08 1.13	Average	Mid-Ebb Suspenn <5 <5 <5 6.4		Depth Average #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:06 9:30	No. CV/2004/0	02 Reconst Overall Depth, m 4 10	truction of W W Sampling Depth,m 1 3 1 5 9	Vong She /eather C Tempera a 26.7 26.6 26.5 26.3 26.2	ek and Ko condition: ature, °C b 26.7 26.6 26.5 26.3 26.2	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24	d Oxyge b 6.08 5.90 6.30 5.80 5.22	n, mg/L Average 6.08 5.92 6.05 5.23	Dissolve a 80.8 77.1 82.0 75.8 68.7	Ambien b 80.7 77.1 81.8 75.8 68.7	nt Tempera Average 80.8 77.1 78.9 68.7	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6	30 ppt b 36.3 36.4 36.4 36.6 36.7	Turbidity a 1.27 1.02 1.08 1.20 1.18	, NTU b 1.11 1.08 1.14 1.13 1.17	Tide State: Average 1.12 1.15	Mid-Ebb Suspen <5		Depth Average #DIV/0! 6.4	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:03 9:06 9:30 9:33	No. CV/2004/0	02 Reconst Overall Depth, m 4 10	truction of W W Sampling Depth,m 1 3 1 5 9	Vong She /eather C Tempera a 26.7 26.6 26.5 26.3 26.2	ek and Ko condition: ature, °C b 26.7 26.6 26.5 26.3 26.2	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24	d Oxyge b 6.08 5.90 6.30 5.80 5.22	n, mg/L Average 6.08 5.92 6.05 5.23	Dissolve a 80.8 77.1 82.0 75.8 68.7	Ambien b 80.7 77.1 81.8 75.8 68.7	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6	30 ppt b 36.3 36.4 36.4 36.6 36.7	Turbidity a 1.27 1.02 1.08 1.20 1.18	, NTU b 1.11 1.08 1.14 1.13 1.17	Tide State: Average 1.12 1.15	Mid-Ebb Suspen <5		Depth Average #DIV/0! 6.4	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 B	Sampling: Time 9:20 9:23 9:26 9:00 9:00 9:03 9:06 9:30 9:33 9:36	No. CV/2004/0	02 Reconst Overall Depth, m 4 10	truction of W W Sampling Depth,m 1 3 1 5 9 9 1.5	Vong She Veather C 26.7 26.6 26.5 26.3 26.2 26.2 26.6	ek and Ko condition: ature, °C b 26.7 26.6 26.5 26.3 26.2 26.6	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24 5.87	d Oxyge b 6.08 5.90 6.30 5.80 5.22 5.87	n, mg/L Average 6.08 5.92 6.05 5.23	Dissolve a 80.8 777.1 82.0 75.8 68.7 76.3	Ambien d Oxygen b 80.7 77.1 81.8 75.8 68.7 76.3	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6 36.4 36.6	30 ppt b 36.3 36.4 36.4 36.6 36.7 36.5	Turbidity a 1.27 1.02 1.08 1.20 1.18	, NTU b 1.111 1.08 1.14 1.13 1.17	Tide State: Average 1.12 1.15	Mid-Ebb Suspen <5		Depth Average #DIV/0! 6.4	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW2 S	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:03 9:06 9:30 9:30 9:36 9:36 9:10	No. CV/2004/ 16/10/2006 Sea Condition mid wave mid wave mid wave	Overall Depth, m 4 10 3	truction of W W Sampling Depth,m 1 3 1 5 9 1.5 1	Vong She /eather C 26.7 26.6 26.5 26.3 26.2 26.6 26.6	ek and Ko condition: b 26.7 26.6 26.5 26.3 26.2 26.6 26.6 26.6	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24 5.87 5.97	d Oxyge b 6.08 5.90 6.30 5.80 5.22 5.87 5.95	n, mg/L Average 6.08 5.92 6.05 5.23 5.87	Dissolve a 80.8 777.1 82.0 75.8 68.7 76.3 81.8	Ambien d Oxygen b 80.7 77.1 81.8 75.8 68.7 76.3 81.6	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3 #DIV/0!	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6 36.4 36.4 36.4 36.3	30 ppt b 36.3 36.4 36.4 36.4 36.6 36.7 36.5 36.5	Turbidity a 1.27 1.02 1.08 1.20 1.18 1.20 1.30	. NTU b 1.111 1.08 1.14 1.13 1.17 1.14 1.14 1.28	Average 1.12 1.15 1.17	Mid-Ebb Suspen <5	<pre><5</pre>	Depth Average #DIV/0! 6.4 #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 M CW1 B CW1 B CW2 S CW2 S	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:03 9:06 9:30 9:33 9:36 9:10 9:10	No. CV/2004/ 16/10/2006 Sea Condition mid wave mid wave mid wave	Overall Depth, m 4 10 3	truction of W W Sampling Depth,m 1 3 1 5 9 9 1.5 1 1.5	Vong She (eather C 26.7 26.6 26.5 26.3 26.2 26.6 26.6 26.6 26.6 26.6	ek and Ko condition: ture, °C b 26.7 26.6 26.5 26.3 26.2 26.3 26.6 26.6 26.6 26.6	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24 5.87 5.97 5.32	d Oxyger b 6.08 5.90 6.30 5.80 5.22 5.87 5.95 5.95 5.32	n, mg/L Average 6.08 5.92 6.05 5.23 5.87 5.64	Dissolve a 80.8 777.1 82.0 75.8 68.7 76.3 81.8 74.4	Ambien d Oxygen b 80.7 77.1 81.8 75.8 68.7 76.3 81.6 74.4	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3 #DIV/0! 35.0	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6 36.4 36.6 36.4 36.3 36.5	30 ppt b 36.3 36.4 36.4 36.6 36.7 36.5 36.3 36.3 36.5	Turbidity a 1.27 1.02 1.08 1.20 1.18 1.20 1.30 1.11	, NTU b 1.11 1.08 1.14 1.13 1.17 1.14 1.14 1.128 1.08	Average 1.12 1.15 1.17	Mid-Ebb Suspen <5	<5	Depth Average #DIV/0! 6.4 #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW1 B CW2 S CW2 S	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:06 9:30 9:30 9:36 9:36 9:10 9:13 9:16	No. CV/2004/ 16/10/2006 Sea Condition mid wave mid wave mid wave	Overall Depth, m 4 10 3 12	truction of W W Sampling Depth,m 1 3 1 5 9 9 1.5 1 6 1 1 6 11	Vong She (eather C 26.7 26.6 26.5 26.3 26.2 26.6 26.6 26.6 26.6 26.6	ek and Ko condition: ture, °C b 26.7 26.6 26.5 26.3 26.2 26.3 26.6 26.6 26.6 26.6	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24 5.87 5.97 5.32 4.88	d Oxyge b 6.08 5.90 6.30 5.80 5.22 5.87 5.95 5.32 4.88	n, mg/L Average 6.08 5.92 6.05 5.23 5.87 5.64	Dissolve a 80.8 777.1 82.0 75.8 68.7 76.3 81.8 74.4	Ambien d Oxygen b 80.7 77.1 81.8 75.8 68.7 76.3 81.6 74.4	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3 #DIV/0! 35.0 66.3	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6 36.4 36.6 36.4 36.3 36.5	30 ppt b 36.3 36.4 36.4 36.6 36.7 36.5 36.3 36.3 36.5	Turbidity a 1.27 1.02 1.08 1.20 1.18 1.20 1.30 1.11	, NTU b 1.11 1.08 1.14 1.13 1.17 1.14 1.14 1.128 1.08	Average 1.12 1.15 1.17	Mid-Ebb Suspen <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	<5	Depth Average #DIV/0! 6.4 #DIV/0! #DIV/0!	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 9:20 9:23 9:26 9:00 9:03 9:06 9:30 9:30 9:36 9:36 9:10 9:13 9:16	No. CV/2004/ 16/10/2006 Sea Condition mid wave mid wave mid wave mid wave	Overall Depth, m 4 10 3 12 cygen Mete	truction of W W Sampling Depth,m 1 3 1 5 9 1.5 9 1.5 1 6 11 6 11	Vong She Veather C 26.7 26.6 26.6 26.3 26.2 26.6 26.6 26.6 26.6	ek and Ko condition: ature, °C b 26.7 26.6 26.3 26.2 26.6 26.6 26.6 26.3 26.2	sunny Dissolve a 6.08 5.93 6.30 5.79 5.24 5.87 5.97 5.32 4.88	d Oxyge b 6.08 5.90 6.30 5.80 5.22 5.87 5.95 5.32 4.88 Calibrati	n, mg/L Average 6.08 5.92 6.05 5.23 5.87 5.64 4.88	Dissolve a 80.8 777.1 82.0 75.8 68.7 76.3 81.8 74.4	Ambien d Oxygen b 80.7 77.1 81.8 75.8 68.7 76.3 81.6 74.4 66.3	nt Tempera n, % Average 80.8 77.1 78.9 68.7 76.3 #DIV/0! 35.0 66.3 100%:	ature, °C: Salinity, a 36.3 36.5 36.4 36.6 36.6 36.4 36.6 36.4 36.3 36.5	30 ppt b 36.3 36.4 36.4 36.6 36.7 36.5 36.3 36.3 36.5	Turbidity a 1.27 1.02 1.08 1.20 1.18 1.20 1.30 1.11	, NTU b 1.11 1.08 1.14 1.13 1.17 1.14 1.14 1.128 1.08	Average 1.12 1.15 1.17 1.17	Mid-Ebb Suspen <5	<5	Depth Average #DIV/0! 6.4 #DIV/0! #DIV/0!	Remarks

Thermometer:

EM 6167

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Project:	Contract I	No. CV/2004/0	02 Recons	truction of V	Vong She	ek and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construc	ction Co.,	Ltd.		Job No.:	J429			
Date of	Sampling:	23/10/2006			/eather C	ondition:	sunny				Ambier	nt Tempera	ature,⁰C:	29			Tide State:	Mid-Floo	d		
Station	Time	Sea	Overall	Sampling	Temper	ature, ⁰C	Dissolve		n ma/l	Dissolve	d Oxyger	n %	Salinity,	nnt	Turbidity	NTU		Suspend	ded Solid	s ma/l	Remarks
olution	Time	Condition	Depth, m	-	a	b	a	b	Average	a		Average	a	b	a	b	Average	ouspend		Depth Average	Remarks
MW1 S	17:00			1	24.6	24.6	5.36	5.37		72.4	72.4		33.6	33.6	1.19	1.34		1.6			
MW1 M	17:03	small wave	5						5.37			72.4					1.17			3.1	
MW1 B	17:06			4	24.5	24.5	4.43	4.46	4.45	67.6	67.6	67.6	33.9	33.9	1.04	1.12		4.5			
MW2 S	16:40			1	24.7	24.7	4.98	4.98	4.66	73.4	73.3	70.1	33.7	33.7	1.09	1.16		4			
MW2 M	16:43	small wave	11	5.5	24.5	24.5	4.34	4.33	4.00	66.8	66.8	70.1	33.9	34.0	1.10	0.91	1.15	2.0		3.8	
MW2 B	16:46			10	24.3	24.2	3.86	3.86	3.86	58.5	58.5	58.5	34.1	34.1	1.27	1.36		5.5			
CW1 S	17:10								4.76			68.7									
CW1 M	17:13	small wave	3	1.5	24.5	24.5	4.76	4.76	4.70	68.7	68.7	00.7	33.7	33.6	1.26	1.14	1.20	4.7		4.7	
CW1 B	17:16								#DIV/0!			#DIV/0!									
CW2 S	16:50			1	24.6	24.6	5.14	5.14	4.82	71.6	71.6	68.5	33.8	33.8	1.03	1.28		1.6	1.8		
CW2 M	16:53	small wave	11	5.5	24.3	24.3	4.50	4.50	7.02	65.3	65.3	50.0	34.0	34.0	1.12	1.09	1.08	3.1	4.9	5.4	
CW2 B	16:56			10	24.3	24.2	3.92	3.92	3.92	57.0	57.0	57.0	34.2	34.2	0.88	1.07		3.1	18.0		
Equipmer	t used:	Dissolved Ox	kygen Mete	er:	EM	6167		Calibrati	on Check:		100						Sampled	By:	Cheng \	′i	
		Turbidity Met	ter:		EM	2365		Calibrati	on Check:		10.3	NTU					Checked	By:	Raymon	d Dai	
		Salinity Mete	r:		EM	6167		Calibrati	on Check:		35.6	ppt					Date:		30/10/20	006	
		Thermomete	r:		EM	6167															
Project:	Contract I	No. CV/2004/0		truction of V			Lau Wa	n Public	Piers		Client:	Kin Shing	Construc	ction Co.,	Ltd.		Job No.:	J429			
			02 Recons			ek and Ko		n Public	Piers			Kin Shing					Job No.: Tide State:				
Date of	Sampling:	No. CV/2004/0 23/10/2006	02 Recons	W	Vong She /eather C	ek and Ko	sunny			Dissolve	Ambier	nt Tempera	ature,°C:	29				Mid-Ebb		s ma/l	Remarks
Date of		No. CV/2004/0	02 Recons	Sampling	Vong She /eather C	ek and Ko	sunny			Dissolve a	Ambier d Oxyger	nt Tempera		29				Mid-Ebb	ded Solid	Depth	Remarks
Date of	Sampling:	No. CV/2004/0 	02 Recons	Sampling	Vong She /eather C Tempera	ek and Ko ondition: ature, °C	sunny Dissolve	ed Oxyge	n, mg/L Average		Ambier d Oxyger	nt Tempera n, % Average	ature,⁰C: Salinity,	29 ppt	Turbidity	, NTU	Tide State:	Mid-Ebb			Remarks
Date of Station	Sampling: Time	No. CV/2004/0 	02 Recons	W Sampling Depth,m	Vong She /eather C Tempera a	ek and Ko ondition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L	а	Ambier d Oxyger b	nt Tempera	ature,°C: Salinity, a	29 ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth	Remarks
Date of Station MW1 S	Sampling: Time 12:20	No. CV/2004/0 _23/10/2006 Sea Condition	Overall Depth, m	W Sampling Depth,m	Vong She /eather C Tempera a	ek and Ko ondition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L Average	а	Ambier d Oxyger b	nt Tempera n, % Average	ature,°C: Salinity, a	29 ppt b	Turbidity a	, NTU b	Tide State:	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 12:20 12:23	No. CV/2004/0 _23/10/2006 Sea Condition	Overall Depth, m	Sampling Depth,m	Vong She /eather C Tempera a 24.5	ondition: ature, °C b 24.5	sunny Dissolve a 5.12	b 5.12	n, mg/L Average 5.12 4.63	a 69.4	Ambier d Oxyger b 69.3	nt Tempera Average 69.4 61.2	ature, ⁰C: Salinity, a 33.5	29 ppt b 33.5	Turbidity a 1.38	, NTU b 1.04	Tide State:	Mid-Ebb Suspend 4.2		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 12:20 12:23 12:26	No. CV/2004/0 _23/10/2006 Sea Condition	Overall Depth, m	N Sampling Depth,m 1 3	Vong She /eather C 7 24.5 24.3	ek and Ko ondition: ature, °C b 24.5 24.3	sunny Dissolve a 5.12 4.63	d Oxyge b 5.12 4.63	n, mg/L Average 5.12	a 69.4 61.2	Ambier d Oxyger b 69.3 61.2	nt Tempera n, % Average 69.4	ature, °C: Salinity, a 33.5 33.7	29 ppt 5 33.5 33.7	Turbidity a 1.38 1.17	, NTU b 1.04 1.26	Tide State:	Mid-Ebb Suspend 4.2 2.2		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 12:20 12:23 12:26 12:00	No. CV/2004/0 23/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1	Vong She /eather C a 24.5 24.3 24.3	ek and Ko ondition: ature, °C b 24.5 24.5 24.5	sunny Dissolve a 5.12 4.63 5.03	ed Oxyge b 5.12 4.63 5.03	n, mg/L Average 5.12 4.63	a 69.4 61.2 71.4	Ambier d Oxyger b 69.3 61.2 71.3	nt Tempera Average 69.4 61.2	ature,°C: Salinity, a 33.5 33.7 33.5	29 ppt 33.5 33.7 33.5	Turbidity a 1.38 1.17 0.93	, NTU b 1.04 1.26 1.10	Average	Mid-Ebb Suspend 4.2 2.2 4.5		Depth Average 3.2	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 12:20 12:23 12:26 12:00 12:03	No. CV/2004/0 23/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5	Vong She /eather C 7empera a 24.5 24.3 24.5 24.5 24.2	and Ko ondition: ature, °C b 24.5 24.3 24.5 24.5 24.5	sunny Dissolve a 5.12 4.63 5.03 4.31	ed Oxyge b 5.12 4.63 5.03 4.31	n, mg/L Average 5.12 4.63 4.67 3.88	a 69.4 61.2 71.4 64.2	Ambier d Oxyger b 69.3 61.2 71.3 64.2	nt Tempera Average 69.4 61.2 67.8 59.4	ature, °C: Salinity, a 33.5 33.7 33.5 33.8	29 ppt 33.5 33.7 33.7 33.5 33.8	Turbidity a 1.38 1.17 0.93 1.26	, NTU b 1.04 1.26 1.10 1.26	Average	Mid-Ebb Suspend 4.2 2.2 4.5 4.7		Depth Average 3.2	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:06	No. CV/2004/0 23/10/2006 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5	Vong She /eather C 7empera a 24.5 24.3 24.5 24.5 24.2	and Ko ondition: ature, °C b 24.5 24.3 24.5 24.5 24.5	sunny Dissolve a 5.12 4.63 5.03 4.31	ed Oxyge b 5.12 4.63 5.03 4.31	n, mg/L Average 5.12 4.63 4.67	a 69.4 61.2 71.4 64.2	Ambier d Oxyger b 69.3 61.2 71.3 64.2	nt Tempera n, % Average 69.4 61.2 67.8	ature, °C: Salinity, a 33.5 33.7 33.5 33.8	29 ppt 33.5 33.7 33.7 33.5 33.8	Turbidity a 1.38 1.17 0.93 1.26	, NTU b 1.04 1.26 1.10 1.26	Average	Mid-Ebb Suspend 4.2 2.2 4.5 4.7		Depth Average 3.2	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:06 12:30	No. CV/2004/(23/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9	V Sampling Depth,m 1 3 1 4.5 8	Vong She /eather C 7empera 24.5 24.3 24.5 24.2 24.2 24.3	ek and Ko ondition: ature, °C b 24.5 24.3 24.3 24.2 24.3	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88	d Oxyge b 5.12 4.63 5.03 4.31 3.88	n, mg/L Average 5.12 4.63 4.67 3.88	a 69.4 61.2 71.4 64.2 59.4	Ambieu d Oxygen b 69.3 61.2 71.3 64.2 59.4	nt Tempera Average 69.4 61.2 67.8 59.4	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0	29 ppt 33.5 33.7 33.5 33.8 34.0	Turbidity a 1.38 1.17 0.93 1.26 1.13	, NTU b 1.04 1.26 1.10 1.26 1.34	Tide State: Average 1.21 1.17	Mid-Ebb Suspend 4.2 2.2 4.5 4.7 2.5		Depth Average 3.2 3.9	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:06 12:30 12:33	No. CV/2004/(23/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9	V Sampling Depth,m 1 3 1 4.5 8	Vong She /eather C 7empera 24.5 24.3 24.5 24.2 24.2 24.3	ek and Ko ondition: ature, °C b 24.5 24.3 24.3 24.2 24.3	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88	d Oxyge b 5.12 4.63 5.03 4.31 3.88	n, mg/L Average 5.12 4.63 4.67 3.88 5.67 #DIV/0!	a 69.4 61.2 71.4 64.2 59.4	Ambieu d Oxygen b 69.3 61.2 71.3 64.2 59.4	nt Tempera n, % Average 69.4 61.2 67.8 59.4 76.8	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0	29 ppt 33.5 33.7 33.5 33.8 34.0	Turbidity a 1.38 1.17 0.93 1.26 1.13	, NTU b 1.04 1.26 1.10 1.26 1.34	Tide State: Average 1.21 1.17	Mid-Ebb Suspend 4.2 2.2 4.5 4.7 2.5		Depth Average 3.2 3.9	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:06 12:30 12:33 12:36	No. CV/2004/(23/10/2006 Sea Condition small wave small wave	Overall Depth, m 4 9	W Sampling Depth,m 1 3 1 4.5 8 1.5	Vong She /eather C 24.5 24.3 24.5 24.2 24.3 24.2 24.3 24.3	ek and Ko ondition: ature, °C b 24.5 24.3 24.3 24.2 24.3 24.3 24.3	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88 5.67	d Oxygei b 5.12 4.63 5.03 4.31 3.88 5.67	n, mg/L Average 5.12 4.63 4.67 3.88 5.67	a 69.4 61.2 71.4 64.2 59.4 76.8	Ambien d Oxygen b 69.3 61.2 71.3 64.2 59.4 76.8	nt Tempera Average 69.4 61.2 67.8 59.4	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0 33.8	29 ppt 33.5 33.7 33.5 33.8 34.0 33.8	Turbidity a 1.38 1.17 0.93 1.26 1.13 1.27	, NTU b 1.04 1.26 1.10 1.26 1.34	Tide State: Average 1.21 1.17	Mid-Ebb Suspend 4.2 2.2 4.5 4.7 2.5 4.2		Depth Average 3.2 3.9	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW2 S	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:30 12:30 12:33 12:36 12:10	No. CV/2004/(23/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3	W Sampling Depth,m 1 3 1 4.5 8 1.5 1.5	Vong She /eather C 24.5 24.3 24.3 24.2 24.2 24.3 24.3 24.3 24.3	ek and Ko ondition: ture, °C b 24.5 24.3 24.5 24.2 24.3 24.3 24.3 24.8 24.8	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88 5.67 5.26	d Oxyge b 5.12 4.63 5.03 4.31 3.88 5.67 5.27	n, mg/L Average 5.12 4.63 4.67 3.88 5.67 #DIV/0!	a 69.4 61.2 71.4 64.2 59.4 76.8 73.6	Ambien d Oxygen b 69.3 61.2 71.3 64.2 59.4 76.8 73.6	nt Tempera n, % Average 69.4 61.2 67.8 59.4 76.8	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0 33.8 33.6	29 ppt 33.5 33.7 33.5 33.8 34.0 33.8 33.6	Turbidity a 1.38 1.17 0.93 1.26 1.13 1.27 1.08	. NTU b 1.04 1.26 1.26 1.26 1.34 1.18 1.18	Inde State: Average 1.21 1.17 1.23	Mid-Ebb Suspend 4.2 4.2 4.5 4.7 2.5 4.2 4.2 3.3	2.2	Depth Average 3.2 3.9 4.2	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 S CW1 B CW1 B CW1 B CW2 S CW2 M CW2 B	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:03 12:06 12:30 12:30 12:33 12:36 12:10 12:13 12:16	No. CV/2004/(23/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3 10	V Sampling Depth,m 1 3 1 4.5 8 1.5 1.5 1 5 9	Vong She /eather C 24.5 24.5 24.3 24.3 24.2 24.3 24.3 24.8 24.8 24.6 24.4 24.3	ek and Ko ondition: ture, °C b 24.5 24.3 24.3 24.2 24.3 24.3 24.8 24.6 24.4 24.3	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88 5.67 5.26 4.62 4.62 4.06	d Oxyge b 5.12 4.63 5.03 4.31 3.88 5.67 5.27 4.63 4.06	n, mg/L Average 5.12 4.63 4.67 3.88 5.67 #DIV/0! 4.95 4.06	a 69.4 61.2 71.4 64.2 59.4 76.8 73.6 65.8	Ambieu d Oxyger b 69.3 61.2 71.3 64.2 59.4 76.8 73.6 65.8 60.1	nt Tempera n, % Average 69.4 61.2 67.8 59.4 76.8 69.7 60.1	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0 33.8 33.6 33.6 33.8	29 ppt b 33.5 33.7 33.5 33.8 34.0 33.8 33.6 33.6 33.8	Turbidity a 1.38 1.17 0.93 1.26 1.13 1.27 1.08 0.91	, NTU b 1.04 1.26 1.10 1.26 1.34 1.18 1.15 0.90	Inde State: Average 1.21 1.17 1.23 1.13	Mid-Ebb Suspend 4.2 4.2 4.5 4.7 2.5 4.7 2.5 4.2 3.3 10.5 4.9	2.2 4.0 10.5	Depth Average 3.2 3.9 4.2 5.9	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 S	Sampling: Time 12:20 12:23 12:26 12:00 12:03 12:03 12:06 12:30 12:30 12:33 12:36 12:10 12:13 12:16	No. CV/2004/(23/10/2006 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3 10 cygen Mete	V Sampling Depth,m 1 3 1 4.5 8 1.5 1.5 1 5 9	Vong She /eather C 24.5 24.3 24.3 24.3 24.2 24.3 24.3 24.3 24.6 24.6 24.4	ek and Ko ondition: ture, °C b 24.5 24.3 24.3 24.5 24.2 24.3 24.8 24.8 24.6 24.6 24.4	sunny Dissolve a 5.12 4.63 5.03 4.31 3.88 5.67 5.26 4.62 4.06	d Oxyge b 5.12 4.63 5.03 4.31 3.88 5.67 5.27 4.63 4.06 Calibrati	n, mg/L Average 5.12 4.63 4.67 3.88 5.67 #DIV/0! 4.95	a 69.4 61.2 71.4 64.2 59.4 76.8 73.6 65.8	Ambien d Oxygen b 69.3 61.2 71.3 64.2 59.4 76.8 73.6 65.8	nt Tempera n, % Average 69.4 61.2 67.8 59.4 76.8 69.7 60.1 100%:	ature, °C: Salinity, a 33.5 33.7 33.5 33.8 34.0 33.8 33.6 33.6 33.8	29 ppt b 33.5 33.7 33.5 33.8 34.0 33.8 33.6 33.6 33.8	Turbidity a 1.38 1.17 0.93 1.26 1.13 1.27 1.08 0.91	, NTU b 1.04 1.26 1.10 1.26 1.34 1.18 1.15 0.90	Inde State: Average 1.21 1.17 1.23	Mid-Ebb Suspend 4.2 4.2 4.5 4.7 2.5 4.2 4.2 3.3 10.5 4.9 By:	2.2 4.0	Depth Average 3.2 3.9 4.2 5.9 7i	Remarks

EM 6167 Calibration Check: 35.5 ppt

Thermometer:

Salinity Meter:

EM 6167

Date:

30/10/2006



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 November 06

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
			WQM ³			
			(Ebb: 8:17)			
			(Flood: 15:23)			
5		6 '	7 8	8 9	10	11
			WQM ³			
			(Ebb: 13:36)			
			(Flood: 8:24)			
12	1	3 14	4 15	5 16	17	18
			WQM ³			
			(Ebb: 8:19)			
			(Flood: 15:20)			
19	2	0 2	1 22	23	24	25
	WQM ³					
	(Ebb:11:50)					
	(Flood: 16:24)					
26	2	7 23	8 29	30		
		WQM ³				
		(Ebb:17:52)				
		(Flood: 12:50)				

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. All monitoring shall be carried out once a week from mid-Mar 06 onwards due to completion of piling and demolition works.