

CONTRACT NO: CV/2004/02

RECONSTRUCTION OF WONG SHEK AND KO LAU WAN PUBLIC PIERS

ENVIRONMENTAL MONITORING & AUDIT MONTHLY REPORT (WONG SHEK)

- FEB 2007 -

CLIENT:

Kin Shing Construction Company Limited

1/F, 27 Yin Chong Street, Mongkok, Kowloon, H.K.

Telephone: (852) 2835 7087 Facsimile: (852) 2780-2805

PREPARED BY:

Lam Environmental Services

Room 1411-16 14/F Honour Industrial Centre 6 Sun Yip Street Chai Wan, H.K.

Telephone: (852) 2897-3282 Facsimile: (852) 2897-5509 E-mail: <u>info@lamlab.com</u> Website: <u>http://www.lamlab.com</u>

CERTIFIED BY:

Ar

Raymond Dai Senior Environmental Scientist

DATE:

15 Jan 2008

MATERIALAB

Fax:+852-2450-6138

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EXECUTIVE SUMMARY

This is the Monthly Environmental Monitoring and Audit (EM&A) report for Feb 2007 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 28^{th} Feb 2007 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:

- Removal of temporary cover and hoardings
- Site clearance
- Plant maintenance

Water Quality Monitoring

3 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. After 16 Feb 07, all the pier construction works were completed and no site work was required until the commencement demolition of pier by 9 Mar 07. Thus, water quality monitoring was suspended during the period from 16 Feb 07 to 8 Mar 07.

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 or non-inert C&D material was disposed and no chemical waste was transported off site in this reported period.

Complaints, Notifications of Summons and Successful Prosecutions

There was no complaint, notification of prosecution or summon in this reporting period.

Site Inspections and Audit

3 site inspections were conducted by the Environmental Team (ET) in this reported period. 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
-	1 Feb	No particular finding	-	-
-	5-Feb	No particular finding	-	-
-	15-Feb	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
Demolition of pier	Air. Water, Noise, Waste	Provide adequate dust suppression measures
		 Avoid concurrent noisy operation during timber and steel preparation
		 Material and waste to be stored properly
		No littering in land or sea



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 28th Feb 2007 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 2.2Contact 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:

- Removal of temporary cover and hoardings
- Site clearance
- Plant maintenance

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 <u>Appendix B</u>.



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 4.1aWater 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 Appendix C.



Laboratory Analysis

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

Table 4.1bLaboratory 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	<u>For piling or demolition works</u> 3 days per week at mid-flood and mid-ebb <u>For marine works other than piling or demolition works</u> 1 day per week at mid-flood and mid-ebb

4.3 WATER QUALITY CRITERIA

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

Table 4.3 Action and Limit Levels for Water Quality Monitoring

Parameter	Action Level	Target Level
Dissolved Oxygen	Surface & Middle	Surface & Middle
(Surface, Middle & Bottom)	For Wong Shek – 6.96	For Wong Shek – 6.69
	Bottom	Bottom
	For Wong Shek – 6.93	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 – Feb 07

Esh	0007	Water Quality (DO, Turbidity, SS)	Site Inspection
Feb	2007	MW1, MW2, CW1, CW2	
1	Thu	Х	Х
2	Fri		
3	Sat		
4	Sun		
5	Mon	Х	Х
6	Tue		
7	Wed		
8	Thu		
9	Fri		
10	Sat		
11	Sun		
12	Mon		
13	Tue		
14	Wed		
15	Thu	Х	Х
16	Fri		
17	Sat		
18	Sun		
19	Mon		
20	Tue		
21	Wed		
22	Thu		
23	Fri		
24	Sat		
25	Sun		
26	Mon		
27	Tue		
28	Wed		

Note:

- X: Monitoring conducted; monitoring has been suspended after the completion of pier construction work since 16 Feb 07 which will be recommenced by 9 Mar 07 when the pier demolition work begins.
- 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 3 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) – Feb 07

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	5.53	5.17	1.11	9.1
MW2	5.39	4.61	1.14	6.0
CW1	5.58	Water depth < 3m	1.20	<5.0
CW2	5.38	4.64	1.17	7.4

Table 5.1b Water Quality Monitoring Results (mid-ebb tide) – Feb 07

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MW1	5.69	5.23	1.18	10.0
MW2	5.35	4.51	1.16	9.7
CW1	5.59	Water depth < 3m	1.15	13.0
CW2	5.36	4.59	1.20	10.5

5.2

WASTE MONITORING RESULTS

No inert or non-inert C&D material was disposed and 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) – Feb 07

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) – Feb 07

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.

No exceedance for turbidity and the observed exceedances for suspended solids is within 6.5 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 3 inspections during this reporting period. The results of these inspections and outcomes are summarized in *Table 7*.

Table 7 Summary of Environmental Inspection and Audit – Feb 07

Item	Date	Observations	Action taken by Contractor	Outcome
-	1 Feb	No particular finding	-	-
-	5-Feb	No particular finding	-	-
-	15-Feb	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 <u>Appendix E</u>.

Table 9 Construction Activities and Recommended Mitigation Measures – Mar 2007

Construction Works	Predict Impacts	Proposed Mitigation Measures
Demolition of pier	Air. Water, Noise, Waste	 Provide adequate dust suppression measures Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea



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

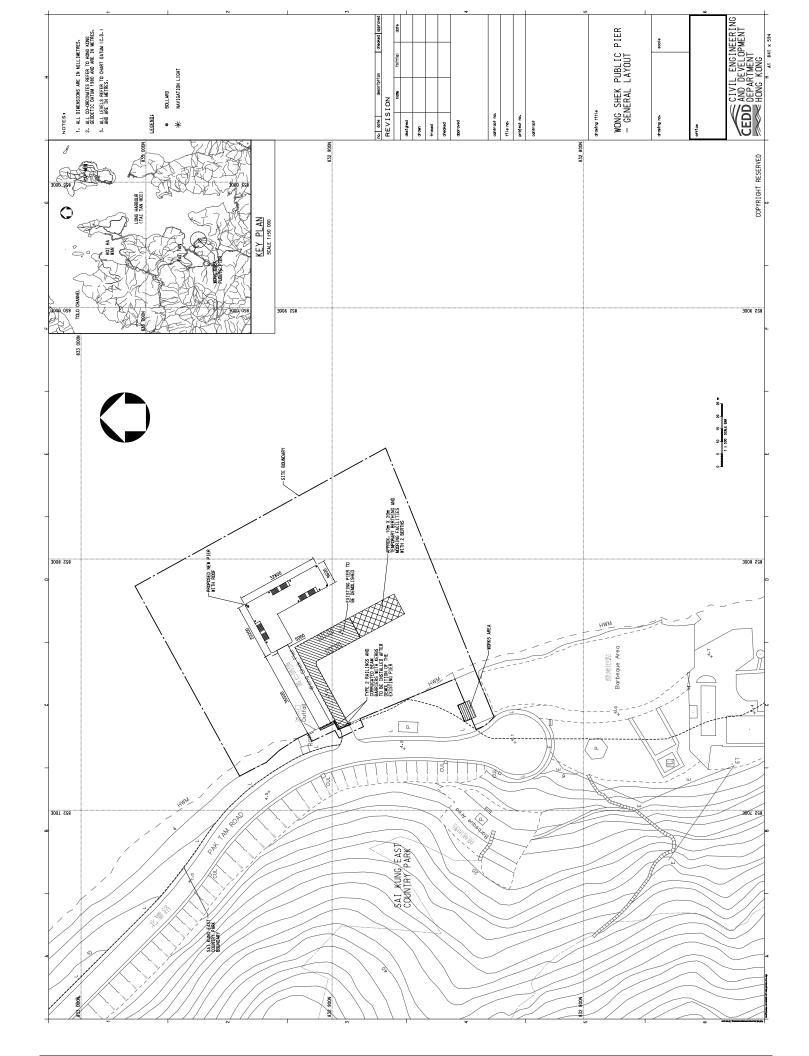
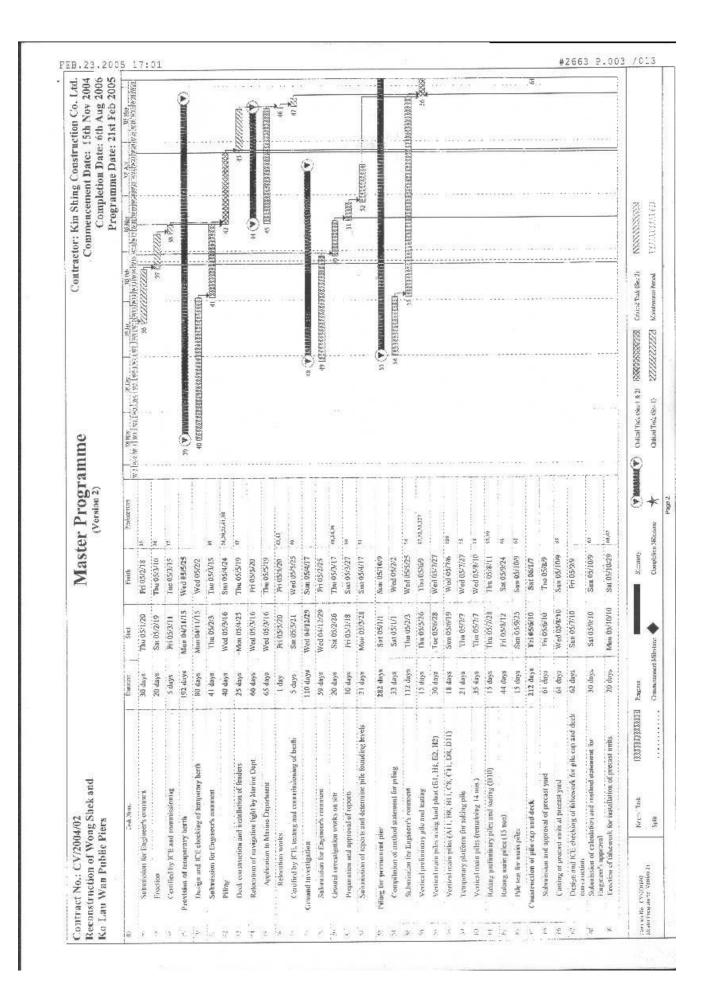




Figure 2.3

Master Construction Programme

NO IIO	Contract No.: CV/2004/02 Reconstruction of Wong Shek and				Maste	er Prog	ramme Contractor: k	nstruction Co. L. ate: 15th Nov 20
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SIGn An	Sultinization and approval		15 days	Most 05/1/3	Mon 05/1/17			Number of the state of the stat
Provision	the second second second		28 days	Tue 05/1/18	Mon 052/14	12.13	In the second se	
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Contr	Previolise of Contractor's accommudation		602 days	Non 04/12/13	Sup 96/8/6			CARGONICATION STATEMENTS
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Board	Erection of hear ding and project significant at Por-A	0r.A	34 days	Man USAMI	Sar 05/3/5			1
hourd.	Erection of hourding and project signboard at For. B	or. B	13 days	Mon 05/2/22	Sat 05/3/5			1.0
and li	Application and installation of dectrical system		75 days	Irri 04/12/31	'1 ne 05/3/15		CLCAURE SIZE STANDARDARDARDARDARDARDARDARDARDARDARDARDARD	E.U.
and h	Application and installation of water supply system	CHI	75 days	Sun 05/1/15	The 05/3/31	1.111	101 1020 1020 1020 1020 1020 1020 1020	
and h	Applivation and Installation of Displicine fines		75 days	Sun 05/1/15	Thu 05:3/31			
of hat	Notification of parties in concern		34 days	Wed 04/12/1	Fri 04/12/31		Fill the value of the the transmission of the	
Application for pr	Application for pressulgation of Murine Department Notice	neat Notice	AND IL	Fei 04/12/17	Frid (15/2/25		TELEVISION AND AND AND AND AND AND AND AND AND AN	
Application for pr	Application for promulgation of Marlue Department Netice for Terr Wow	neut Netice	65 days	Pri 144/2/17	Sat 05/2/19		23 ANTERSCONSCIONANCE IN THE INC.	
artad AL	Elevity attracted Alconitacian		653 duva	Man 0401205	Sur 46.003			
ston and	Submission and approval of the and IC (thus)	The second second	del days	Mon 04/01/15	Tue 04/12/28			The second s
Sheen a	Endorescinear of takik A pregently		step 21	Wed 04/1229	Sum US/1/0 #		AL FEMALES FOR A SAFE A	17
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ริสมอลสมกับ เวลต์เปล	Sut		527 days	Sm 05/2/26	Sam 068/6 *0	Part 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
istruction (Press construction municaring		2.8 days	Mon 06/8/7	Shun third the	and in the	OX XXXX TSETTX 207 THE FEE A VIEW SAVE (100 Y Y 2010 S 10 Y	20X0222221122222220X02
og Shek	Section 1 (Wong She's Public Plery							
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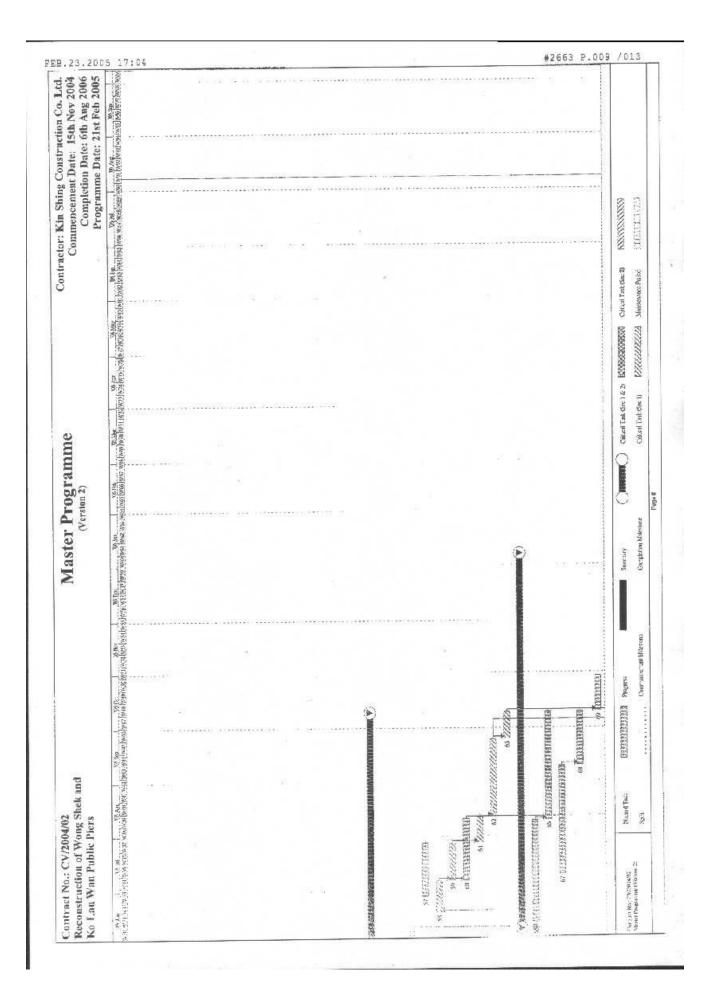
te cons	Contract No.: CV/2004/02 Reconstruction of Wong S Ko Lau Wan Public Plers	Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers				Mas	Master Programme	imme		Contra	Coutractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Completion Date: 6th Aug 2006 Programme Date: 21st Feb 2005	(in Shing Construction Co. Ltd. nencement Date: 15th Nov 2004 Completion Date: 6th Aug 2006 Programme Date: 21st Feb 2005	tion Co. Sth Nov 6th Aug 1st Feb	Ltd. 2004 2005
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	Installation of prec	Installation of precast units with in-situ pile rapy.	apa.	GD days	kton 05/30/10	8/E1/50 null	56,62.5A	NUMBER OF THE REPORT OF THE SECTION	0.1000 m (1.001 m (2.001 m (2.	L GET WAR FOUND WITH T		and a section of the	NUMERAL PARTY	
1	Cashie of th-after	Cashig of in-situ pier deck		30 days	041105/119	Sat 06/1/7	· 10,13							
F.	Cunstructions of Pollards	Ibardis		Step at	Fri 05/82/9	Sat 06/1/3	N.					1.1		
	ustallation of corries	Installation of corresion monitoring system		91 days	Sun 05/10/9	Sat 06/1/7	A. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)							
4	Approval of specia	Approval of specialist contractor and method statement	slatement	61 days	Sun 05/10/9	The 05/12/8								•••
: : :	Installation of com-	Installation of convesion monitoring system.		30 days	Fri 05/12/9	Sal 06/171	14,17							
	Roof evver system			272 days	1'ue 05/8/9	Sum 06/S/7								
L.	Approval of specialist contractor	dist contractor		61 days	Twa 05/8/9	Sht 05/10/8	1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							-+-
	Nubritistication of wor	Nuturitation of workshop drawings for connection deputs with	ption delarits with	61 days	See 05/10/9	8:21/20 HUL	a							
	Material submersions	005		91 days	Son 05710.9	Sat 06/1/7			40 I					
	Suturission of we	Suturnisseem of weekshop drawing for remaining roof system	ing roof system	91 days	Sun 05/10/9	Sat 06/1/7	<i>a</i>					_		
-	Construction of str	Creatingtion of steal works		60 days	Sun 06/1/8	B/C/90 Pa/A	71,80.79							
	Erection, of real covers	Slove		AU days	Thu 06/3/9	Sun 06/5/7			50) 50)					- 14.80
4 1:	Murrying-in to bandside	ddie		121 days	Wed 06/3/8	Than 06/7/5								
1.1	Application of Excavation Permit	cavalion Permit		50 days	Wed 06/3/8	Mon 06/6/5					1	-		_
÷.,	Site works			31 days	Tue 06/6/6	Thu 06/7/6	11'11	7. 51						
-F	Jertrical system, CL	Electrical system, CLP meter box and lighting system	system	220 days	Moni 05/60/10	Wed 06/5/17								
4	Asproval of specialist contractor			and drys	Mon 0510110	Yue 05/11/8						-		_
4. 4.	Leason with CLP and EMSD			60 days	SULING DOW	Sal 06/1/7	5×			200				
45	I pectrification	t	the second second	120 duys	Sun 06728	Sun 06/5/7	11,88							
4	Tuit-2,5			10 days	. Man 06/5/8	CI/S/90 Pa/M	65							_
	Constrated on Boor Binish	Buiste		121 days	Wed 06/3/8	Thu 06/7%								
1. J.	Material submissions		3	61 days	Wed 06/3/8	Sun 06/5/7						2		
101	Scherwoorks	111 H 111	結罰	eo duys	Mon 06/5/8	Thu 0.6776	82.92		1.52			11		
	custrection of ham	Construction of hand rithing seating beaches and notice	and police	150 days	Tue 06/2/7	Thu 66/7/6			3	13				
	porrow Meterial submission	01	1111111 - 11111	60 days	Tas 06/2/7	Pri 06/4/7				1995				
6	Construction		Contraction of the	90 days	Sal 064/8	Tint 05/7/6	ST.	2011) 2017(00				
	fustation of feader system	r system	a de la companya de	190 days	Thu 05/12/29	Thu 06/7/6								
	Maierial submission	10		31 days	Thu 05:12:29	Sat 06/1/28			0.053			-		
1.30	Ordering of material	hil		59 days	Sun 06/1/29	The 06528	S.							
344	Sile works			LCO days	Wed 06/3/29	Thu D6725	71,99		1000					_
1	Relucations of marga	Relactations of antylgadion light by Murine Dept.	Mi.	92 days	Frk 06/4/7	Fr1 86477								
8	Application to Marine Department	arine Department		91 daya	Fri06417	Thu 06/7/6								
", entre 6. No	Conn.c. Mo. 1787015404	Noncal Tests	ECCEPTION D	Physica		Zomminy	C	Childraftee Dec 1 N 20 15555555555		Ceined Tuck (Sec 2)	SUPERIOR NO.			
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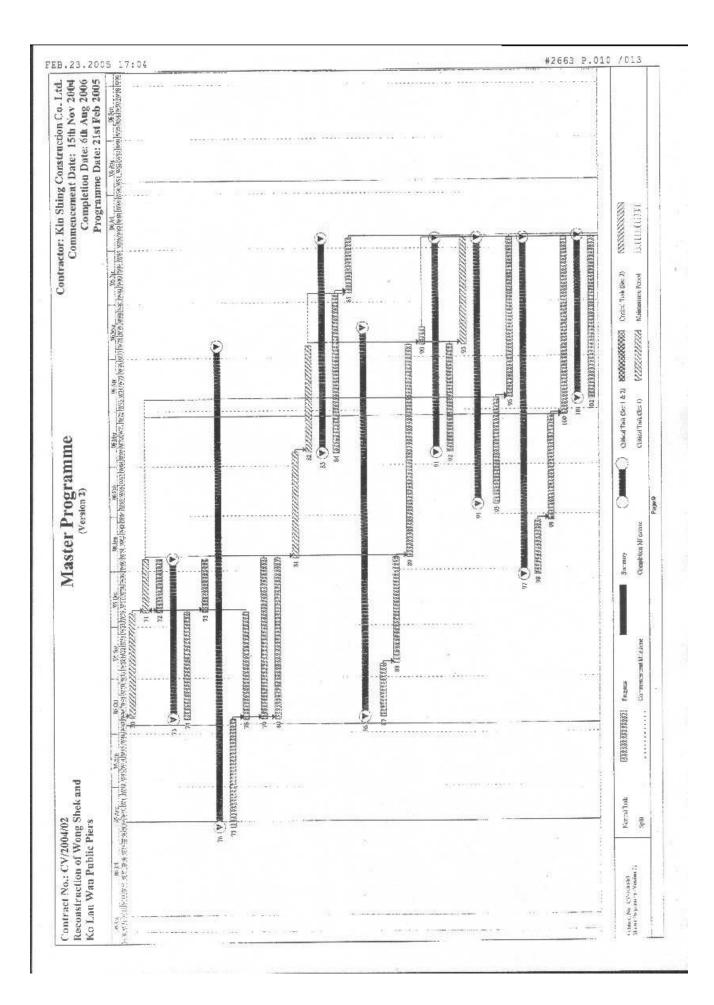
Reconstruction of Wong S Ko Lau Wan Public Piers	Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers				Mas	Master Programme		Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Completion Date: 6th Aug 2006 Programme Date: 21st Feb 2005	uction Co. Ltd. 15th Nov 2004 :: 6th Aug 2006 : 21st Feb 2005
	Task Nsm:		Dartica	Silet 1	Place-	Protocology	WAY WAY TO THE WAY	Widtwittentywohusiwalwastwise	Marcellers (2011) and (2011)
Reloration	The second s		1 day	Fyi 06/3/7	Pri 06/7/7	06,911,15,17,6,2,011			
c continue totating of the parary	c manufacture counting for the previous and the callsfing when	uxisting pier	Van 1	Thu 06(3/9	Shun O6/8/6				1 <u>.</u>
Survey of aziely	Survey of exieting structures		At dave	Thu 06/3/0	Car (MoiA) R				
Destroy and ICJ	convey or externing an incomes Design and ICJE checking of demonstration plan	18	61 duys	Sun 06/4/9	Thin Divide 8	105			
Submission for	Submission for Engineer's commonts		30 days	Fri 06/6/9	Sat 06/7/8	102			
Obtain consent	Obtain consort from Country and Marine Park Authondy	Park Authonity	30 days	Pri 06/6:9	Sat 06/7/8	107			
Damohinan			29 days	Sum 067.0	Sun 06/8/6	901,601,800,			
ininterrance Perfu	Ministerance Period for the Works		365 days	Man 068/7	Mon 072846				
Section 2 (Ko Lun Wan Public Pier)	un Public Pier)								
Curul Survey	terilar mentioned in		626 days	Mon 04/11/15	Wed 16/8/2			COLOR OF A REAL PROPERTY OF A RE	And And And And And And And
Softensissene and	Surferststeter and aggreered of specialist and method statement	method statement	3 days	Mon (MAL/15	Wed 05/1/25		CORFERENCE CONTRACTOR		
Initial treasts	Initial creats survey and approval by AFCD		18 dars	Site 05/2/20	Wed 05/3/9	2017		1000	
Corol transformers	ban		d days	Thu 05/3/10	Sun 05/3/13	115		100	
Post translocation survey	ion survey		4 days	Mon. 05/3/14	The 0.5/3/17	tu6		10 23	
Post pion construction survey	raction survey		15 days	Wed 06/1/19	Wed 06/8/2	397		1	
Temporary cover to existing plot	to existing pict		323 days	Mon 04/11/15	This 05/3/17		ACTOR TO BE AND THE ADDRESS AND ADDRESS AND ADDRESS ADDRES ADDRESS ADDRESS ADD	(A) MARINE	
Devige and JCE checking	E checking		66 days	Mon 04/11/15	Wed 05/319		120 ESCUENCIAL CONTROL OF		
Suberissian for	Suberissian for Eugineer's contact	S 20 10 10 10 10	30 days	Thu 05/1/20	Fci 05/2/15	120	121 55005500553		
LARCHINE			23 days	Sat 05/2/19	Sit 05:3/12	121	4	STATE -	
Certified hy IC	Certified by ICE and commissioning		5 days	Sun 05(3/13	Thu 05/3/17	122		121 Sales	
Provision of temporary berth	mary berth		247 days	Man GW11/15	Tue 05/7/19			CONTRACTOR OF THE OWNER OWNE	NEXT WANTED THE DESCRIPTION OF THE OWNER
Design mild ICI	Design and ICE thetking of temporary berth	ath	B0 days	Mon 04/11/15	Wed 05/2/2		LEASE STATEMENT STAT		
Submission for	Solvmission for Elighteer's commond		81 days	The 05/2/3	Sun 05/4/24	125	126 233393833333	THE TWO NOT STRATES TO A STRATES TO A STRATES	
Filing (pluse 1)			31 days	Mun 03-4/25	Wed 05/5/25	125.126,177,17,1621.621		127	127 BUSENESSESSES
Pilitig (Phase 2)			9 duys	Eri 05/6/10	Sat 05/6/18	56			-
Deck construct	Deck construction and installation of fourders	lers	25 daya	San 05-6/19	Wed 05/7/13	128			
Relocation of a	Relocation of wavigation light by Marine Dept.	Dept.	81 days	Man 05/4/25	Thu 05/37/14				TUSSING AND ADDRESS OF
Application	Application to Marine Department		Kiep og	Mon 05/4/25	Wed 05/7/13				DESCRIPTION OF THE PARTY
Relocation works	works		I day	Tha 05/7/14	Thu 05/7/14	130,331			
Cartified by RC	Contined by RCE, leading and commissioning of bendi-	ing of bendi	5 days	Fii 05/7/15	Tue 05/7/19	201			
emolition of par-	Demolition of part of the existing pier		115 duys	Mun 05/4/18	Wed BS/8/10			134 (Y) 141	MINESON SCALE RUNNINGSOM
Sarrov of ocisi	Survey of existing structures		31 days	Mon 05/4/18	Wed 05-518			ALLES AL	IN STREETINGS
LASign and IC	LASSign and ICT checking of demolition plus	dan second second	32 days	The 05/5/19	Sun 05/6/19	WU.			P6 CANNER
Constraints, Cardinal March	Nurmel Task	KIECZERTETELI	Regera		Semine?		Other Tax (Soc 1.1.3) #25552555255250 Other Tax 50x 2	NUMBER OF STREET	
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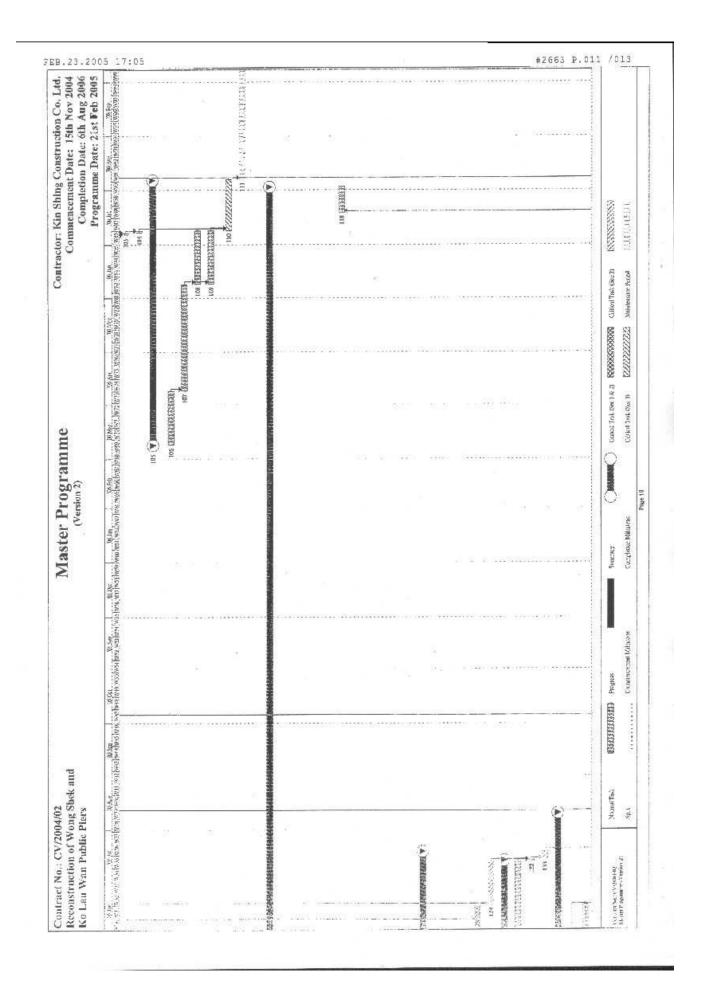
		Mast	Master Programme	0000	Commencement Date: 15th Nov 2004 Commencement Date: 15th Nov 2004 Completion Date: 6th Aug 2006 Programme Date: 21st Feb 2005
Durection	No.	Faish	Htdawson	10 MAY	1 VS Mar. 1 VS Av. 1 VS Av. 1 VS Mar. 1 NS Mar. 1 VS Mar
30 days M	Mout 05/6/20	Tue 0.5/7/19	136 I	n na	
1255	Moit 05/6/20	Tine 0.5/7/19			
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1	West 04/12/29	Frt 05/5/6		HARMAN AND AND AND AND AND AND AND AND AND A	
-	Wed 04/12/29			4725277473325532222222222222222222222222	
20 days	Pri 05/3/18		11.00.117		LEASTERSE END
Exeb ()	The 05/4/7		9		143 [6233]
1	Sun 054/17		H3	-	144 (2022/02/2022)
. 342 days	Sat 05/1/1	B/21/SO IN[.].		State and the state of the stat	
Compilation of method statement for pilling 33 drys	Sal 05/1/1	Wed 05/2/2		146 (22223) 53523) 541	
189 days	Thu 05/2/3	Wed 05/8/10	Uti	1+1 BARRENTER	urt (Surrenterformererstrenen) in trigererations herrenerations and the
15 days 1	Thu 05/8/AT	Thu 05/8:25	147,459,65,14d		
Verneal main piles [EL,E4,D1,D4,C1,C4] 20 days	Fri 05/8/26	Wed 05/9/14	E61		
21 days	The 05-2715	Wed 05:10/5	(1)		
d5 days	Thu 05%/15	Sht 05/10/29	(1)		
16 duys	Thu 05/10/6	Pei 05/10/21	140 M		
Raking main piles (remaining 9 nos) 33 days 35	Sat 05/10/22	Wed 05/11/23.	251		
15 dage	Thu 05/11/24	Thu 05/12/8	111,133		0
V stab 101	Wed 05/8/10	Sun 96/2/26			
Subtrivision and approval of procast yard	Wed 05/8/10	Sat 05/10/8			17
Clusting of precast muits at precast start	Man 05/10/10	Thu 05112:8	*		
Design and ICE checking of falsework for pile cap and deck 60 days	Sat 05/9/10	Tue 05/11/8			
construction Submissees of calculation and anothed statement for 30 days V	Wed 05/11/9	The 05/12/8	8		0.0
Literinosi's approved Election of inbework, for installation of process units	Pi05:12/9	Wed 05/12/28	139,854		
Installation of precast units with medua pile caps	Fri 05/12/9	Wcd 06/2/1	151,154		
25 daya	Tho 06/2:2	Sim 06/2/26	101	•••	
25 days	Thu 06/2/2	Sun 06/2/26	191		£
testulinition of corresion monitoring system	Sun 05/12/4	Sam 06/2/26			
Approval of specialist contractor and method statement 60 days	Sun 05/12/4	Wed 06/2/1			
Instal zhow ef concesson moniforing system 25 days	Thu 06/2/2	Sun 01x2726	IdL,165		
110 days	Pri 86/2/17	Tue 06/6/6			
50 days	Man 06:222	Man 06/4/17	162		
110 days	141 062317	Tua 06/6/6	-		
60 days	Fri 06/2/17	Man 05/4/17			
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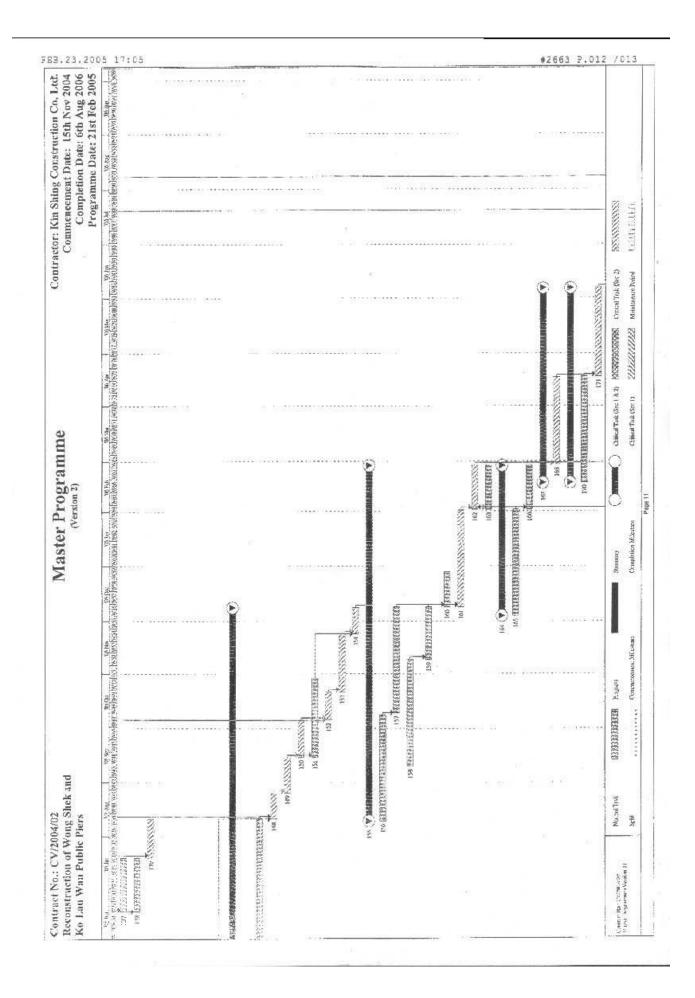
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uncleaned 30 up tare 660(13) Tare 660(15) Tare 660(15) <thtare 660(15)<="" th=""> <thtare 660(15)<="" th=""></thtare></thtare>	itution of Steel works	50 days	Moii 06/2/27	Man 06/4/17	547.041.441		
or, CL Touris los sul lighting registran Join Jointy Noti (CL) Jointy	th of rout covers	50 days	Tue 06/4/18	Tue 06/6/6	121		
Operating contraction Other Number (NO)	ster box and lighting system	200 clarvs	Tue 05/11/29	Frl 06/6/16			
CU ad D4CS 0 days 10 db0(2)/2 10 db0(2)/2 <th< td=""><td></td><td>30 days</td><td>The 05/11/29</td><td>Wed 05/12/28</td><td></td><td></td><td></td></th<>		30 days	The 05/11/29	Wed 05/12/28			
Intention Industry Industry Industry Industry Industry Industry Industry Other Undustry Undu	Liaison web CD and EMSD		Thu 05/12/29	Sun 06/2/26	110		
There relation 10 days Variations 16 days	Installation		Mon 06/2/27	Tue 06:6/6	103,188		
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Name Notice Start (delying) Start (delying) <td></td> <td>59 days</td> <td>Wed 06/2/8</td> <td>Fri 06/4/7</td> <td>161</td> <td>312</td> <td></td>		59 days	Wed 06/2/8	Fri 06/4/7	161	312	
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g af the plot 1 day Nam 067/17 Alson 067/17 Mont 066/11 Mont 066/11 Mont 066/13 The 067/13 Mont 066/13 The 067/13 Mont 066/13 Mont 066/1	Application to Marine Department	Pt days	Men 06/4/17	Sunt 06/7/16			10 i
I they The 66/71/3 The 66/71/3 The 66/71/3 Is and the existing plee [4] days Sam 066/31/9 Sam 06/31/9 Sam 06/31/9 </td <td>Releation</td> <td>1 day</td> <td>Mon 06/7/17</td> <td>Man 06/7/17</td> <td>100,195,195,286,169</td> <td></td> <td></td>	Releation	1 day	Mon 06/7/17	Man 06/7/17	100,195,195,286,169		
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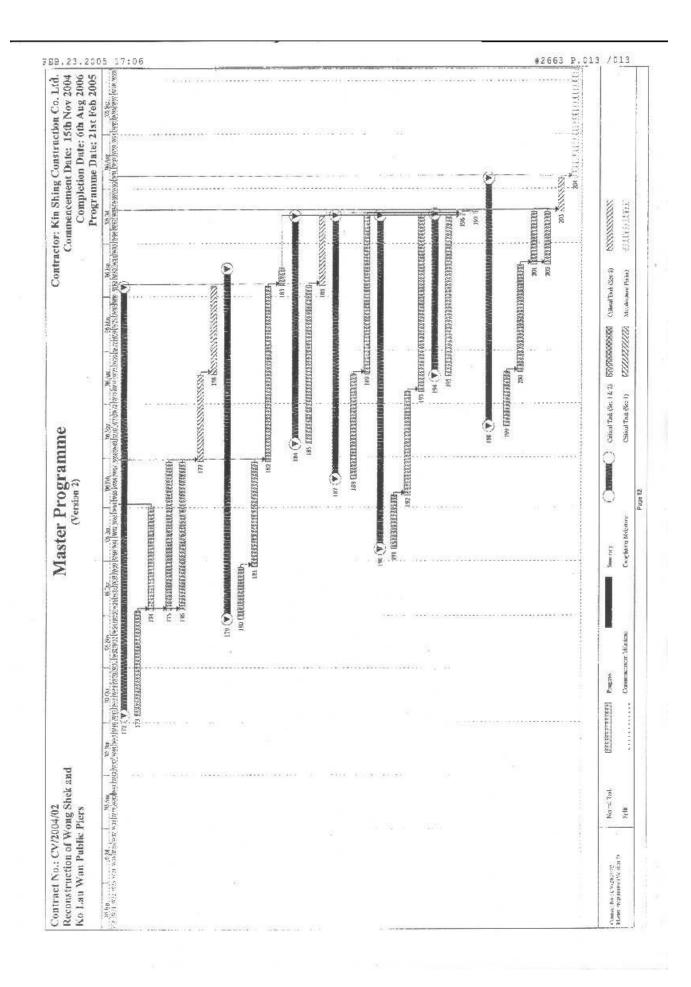




Figure 4.1

Layout of Environmental Monitoring Stations

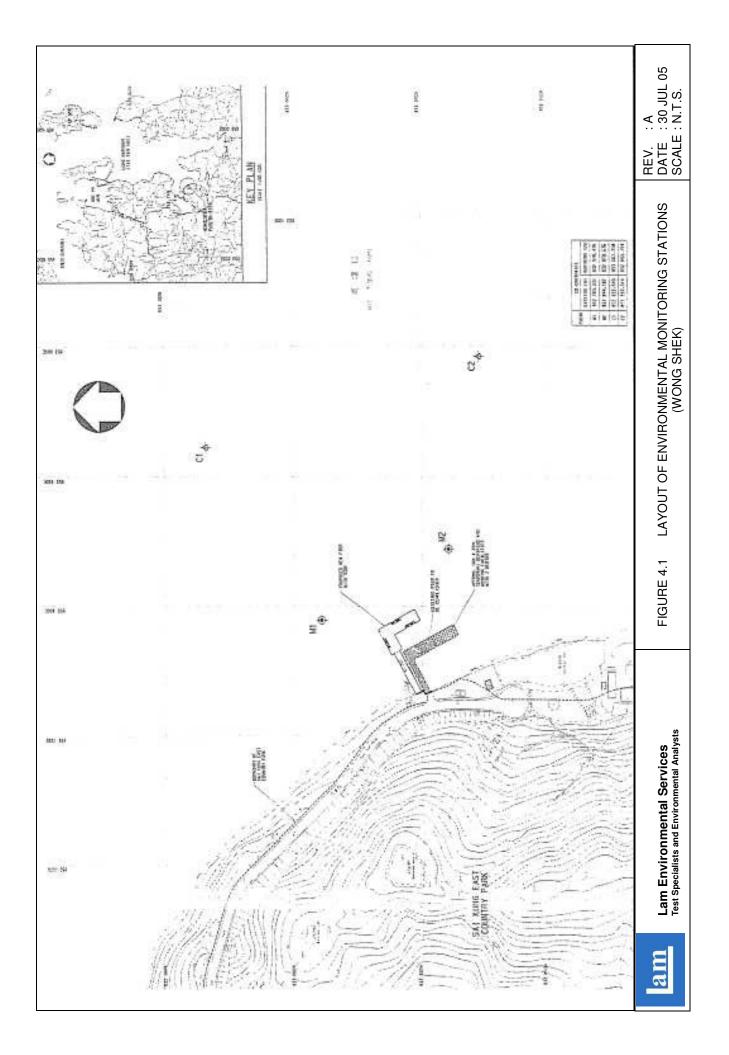
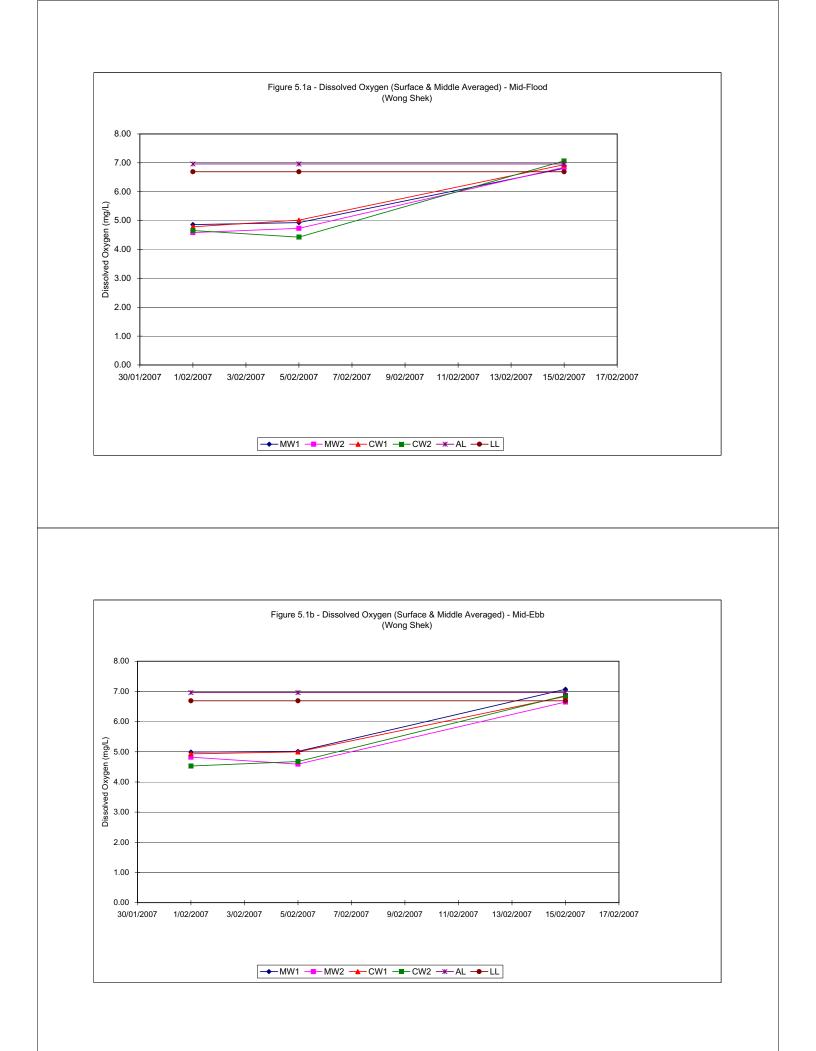
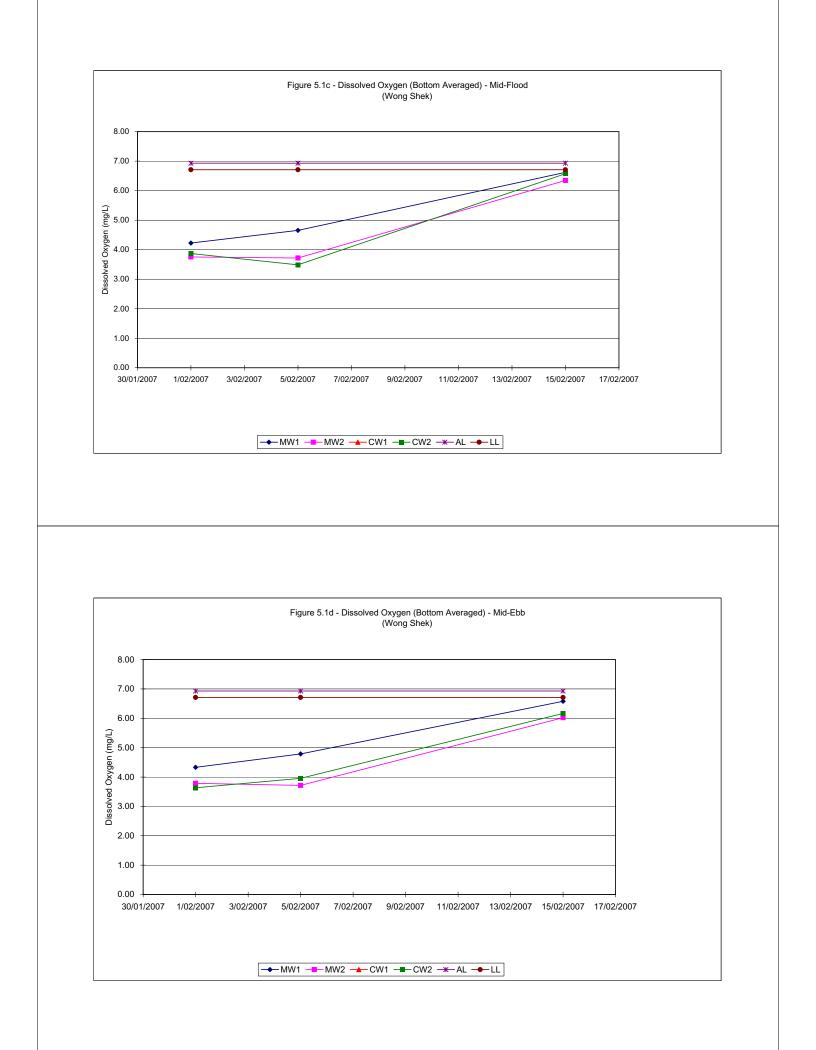


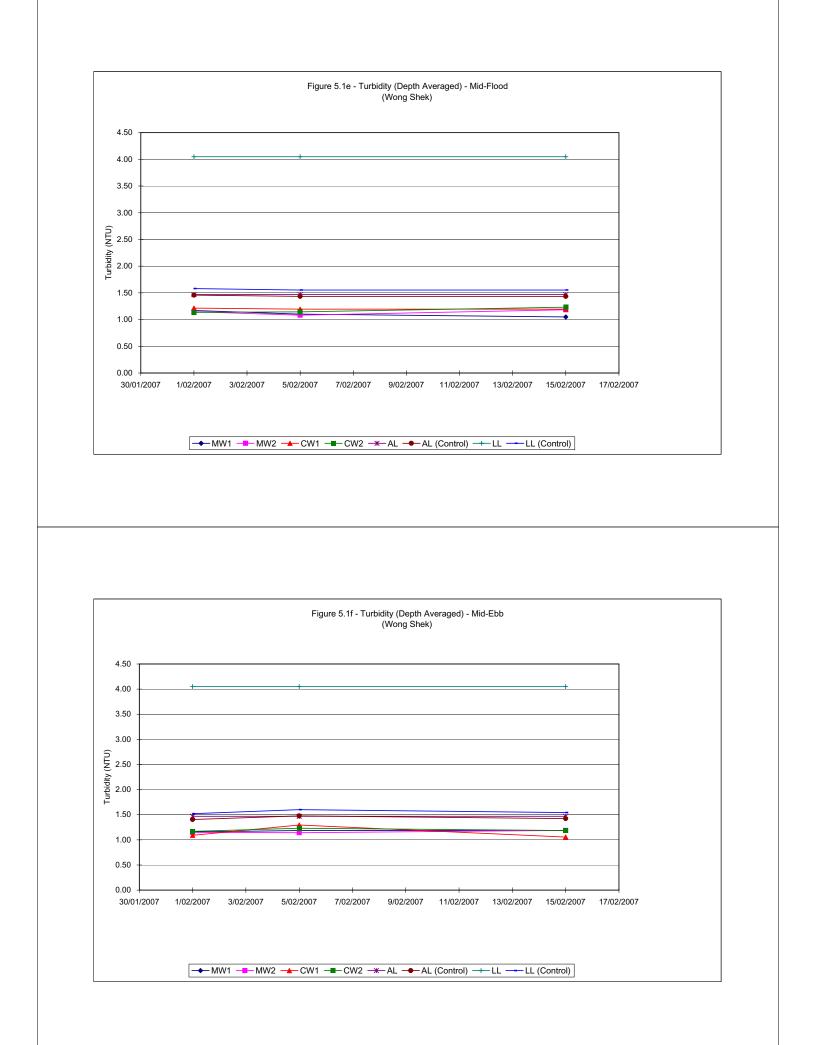


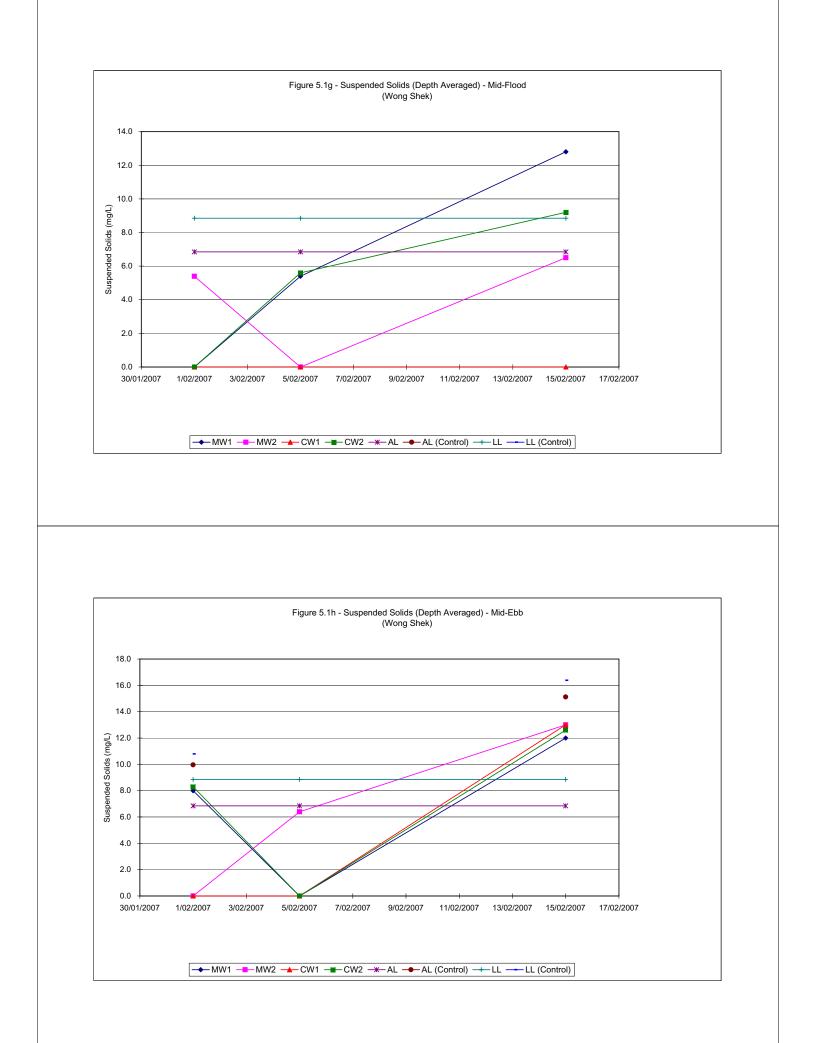
Figure 5.1a-h

Graphical Plots of Water Quality Monitoring Results











Appendix A

Organization Chart



Environmental Protection Department Project Proponent 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	ock No : <u>7149</u> Da	te of Calibrati	on :	11/20	PD F	Procedure Used : IC 34
Temp.:	20°C	Operator :	Bin	1	Signature	: 7

A <u>Temperature Check</u>

Reference Equipment Used : M	ercury-in- Glass th	ermometer Stock	No.: (sl	
Reference Equipment reading :	23.2 °C	Sonde reading_	23.6	°C
Reference Equipment reading :	23, d oc	Sonde reading :	23.6	°C

(Note: Difference between the two readings to be <0.5°C.)

B DO (% Saturation) Calibration

To be performed in aerated clean sea water before use and checked after use. Difference should be less than 10%.

Laboratory Check

Zero DO check (prepared in clean sea water according to APHA 4500-O G, section 3a.)

probe reading _____ %

C <u>Conductivity (Salinity Calibration)</u>

Standards Used : 35 ppt , $______,$ Check Standard : 35 ppt Readout Value : 34,24 ppt

Difference between readout value and actual value should be less than 3%.

D <u>Conductivity Calibration</u>		
Standards Used :,,		(mS/cm) 6/11/06
Check Standard :	Readout Value :	(mS/cm)

Difference between readout value and actual value should be less than 2%.

Lam Laboratories Limited

E <u>Turbidity Calibration</u>		
Standards Used :,	, (NTU)	
Check Standard :	Readout Value : (NT	U)
Difference between readout valu	ue and actual value should be less than 1	0%.
F pH check		
Standard Used : pH,0°	, pH <u>0,00</u> .	
Buffer standard : pH $-\frac{900}{100}$	-	
QC Check Standard : pH 9.182 .	. Readout Value : pH <u>9,15</u>	
Certified by: <u>(nda</u> Section Manager	Date : 04/11/2016	

-	,			Constant of the second s	
am		CEF	RTIFICATE O	F CALIBRAT	ION
			IN - H	OUSE	
1412 Honour Ind. Centre 6 Sun Yip St. Chai Wan Hong Kong		Date Of Issue :		Serial No : IC 42	a/ /EL
Item Being Calibra	ited : <u>Turbi</u>	dity Standards (C	Gelex) Date	Of Calibration :	22/1/07
Item Stock No :		EL4+1	Opera	ator :	minp
Environment Temp			Proce	dure No Used :) IC 42 (Revision N
Primary Standards	s use(<u>20, 1</u>	00 and 800 NTU F	ormazin standards	s prepared fresh.	
Ref. Equip.used/ S	Stock <u>No:</u>	607R003.	Gob Ros	3, 6001	2003
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		signed value	New measured		
Gelex Standards	Date:	(NTU)	value (NTU)	Agreement %	Requirement %
				5-	

Ociex Otandards	(NTU)	(NTU)	%	%
0 - 10 NTU	45	46.5	3%	± 5
10 - 100 NTU	48	49.1	270	± 5
100 - 1000 NTU	482	463	470	± 5
Comments :	The equipment and Gelex Standards c with the Manufacturer's recommendati		עוסף	
Input data checked by :		Certifie	d by: Operations Mar) nager

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		CE	RTIFICATE OI	F CALIBRAT	TON
Honour Ind. Centre			IN - H	OUSE	
Yip St. Chai Wan Kong		Date Of Issue :		Serial No : IC 42	26/ /EL
Item Being Calibrate	ed : <u>Turbí</u>	dity Standards ((Gelex) Date (Of Calibration :	22/1/07
Item Stock No :		EL 41	Opera	ator :	
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Gelex Standards		ty of standard ution used	Measured Value	R ²	Requirement R ²
		(NTU) 1	(NTU)		
0 - 10 NTU		5	6-9	0-9999	> 0.996
		10	(1.2	0-7111	
		20	20.6		
			20.0		
10 - 100 NTU		50	+4	<i>a</i> tr	> 0.996
10 - 100 NTU		50 80	174 81	0.9963	> 0.996
10 - 100 NTU			81	0.9963	> 0.996
10 - 100 NTU		80	&1 /02	0.9963 0.9998	> 0.996
		80 100	81		
100 - 1000 NTU		80 100 400 800	B1 1.52 394 Jo2 complies / does not com	0.9978	



Appendix D

Water Quality Monitoring Results

Water Quality Monitoring Data Sheet (Wong Shek)

Project:	Contract I	No. CV/2004/0	02 Recons	truction of V	Vong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
Date of	Sampling:	1/2/2007		w	leather C	ondition:	sunny				Ambier	nt Tempera	ature,⁰C:	19		т	ide State:	Mid-Floo	d		
Station	Time	Sea	Overall	Sampling	Tempera	ature, ⁰C	Dissolve	ed Oxyge	n, mg/L	Dissolve	d Oxygei	n, %	Salinity,	ppt	Turbidity	, NTU		Suspend	led Solid	s, mg/L	Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	a	b	Average			Depth Average	
MW1 S	17:05			1	18.8	18.8	4.88	4.84		67.7	67.7		34.6	34.6	1.25	1.30		<5.0		-	
MW1 M	17:08	small wave	5						4.86			67.7					1.17			<5.0	
MW1 B	17:11	-		4	18.7	18.7	4.22	4.23	4.23	61.6	61.5	61.6	34.8	34.8	1.12	1.01		<5.0			
MW2 S	16:45			1	18.6	18.6	5.06	5.06		70.3	70.4		34.5	34.5	1.40	1.17		5.4			
MW2 M	16:48	small wave	10	5	18.6	18.6	4.08	4.13	4.58	60.4	60.8	65.5	34.6	34.6	1.03	1.00	1.15	<5.0		5.4	
MW2 B	16:51	-		9	18.5	18.5	3.76	3.75	3.76	56.6	56.6	56.6	34.7	34.7	1.09	1.19		<5.0			
CW1 S	17:15																				
CW1 M	17:18	small wave	3	1.5	18.7	18.7	4.80	4.77	4.79	66.9	66.8	66.9	34.6	34.6	1.18	1.25	1.22	<5.0		<5.0	
CW1 B	17:21	-																			
CW2 S	16:55			1	18.6	18.6	5.09	5.09		71.0	71.0		34.5	34.5	0.88	1.04		<5.0	<5.0		
CW2 M	16:58	small wave	11	5.5	18.5	18.5	4.24	4.21	4.66	61.3	61.4	66.2	34.6	34.6	1.24	1.30	1.14	<5.0	<5.0	<5.0	
CW2 B	17:01			10	18.4	18.4	3.88	3.86	3.87	55.4	55.4	55.4	34.6	34.6	1.15	1.20		<5.0	<5.0		
			<u> </u>																		<u> </u>
Equipmer	it used:	Dissolved Ox	kygen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled	By:	Cheng Y	'i	
		Turbidity Met	ter:		EM	2365		Calibrati	on Check:		10.4	NTU					Checked	By:	Raymon	d Dai	
		Salinity Mete	er:		EM	6167		Calibrati	on Check:		35.3	ppt					Date:		8/2/2007	7	
		Thermomete	r:		EM	6167															
Project:	Contract I	No. CV/2004/0	02 Recons	truction of V	Vong She	k and Ko	Lau Wa	n Public	Piers			Kin Shing					Job No.:	J429			
	Contract I Sampling:				/eather C	ondition:	sunny					Kin Shing					Job No.: ide State:				
				W	/eather C		sunny				Ambier d Oxyger	nt Tempera		19		T , NTU		Mid-Ebb	led Solid	s, mg/L	Remarks
Date of Station	Sampling: Time	1/2/2007 Sea	Overall	W Sampling Depth,m	Veather C Tempera a	ondition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L	Dissolve a	Ambier d Oxyger b	nt Tempera	ature,°C: Salinity, a	19 ppt b	Turbidity a	T <u>, NTU</u> b	ide State:	Mid-Ebb			Remarks
Date of Station MW1 S	Sampling: Time 11:50	Sea Condition	Overall Depth, m	W	eather C	ondition: ature, °C	sunny Dissolve	ed Oxyge	n, mg/L	Dissolve	Ambier d Oxyger	nt Tempera	ature,⁰C: Salinity,	19	Turbidity	T , NTU	ide State: Average	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 11:50 11:53	1/2/2007 Sea	Overall	W Sampling Depth,m	Tempera a 18.6	ondition: ature, °C b 18.6	sunny Dissolve a 5.00	b 4.98	n, mg/L Average 4.99	Dissolve a 69.1	Ambien d Oxygen b 69.2	nt Tempera n, % Average 69.2	ature,°C: Salinity, a 34.7	19 ppt b 34.6	Turbidity a 1.31	T <u>, NTU</u> b 1.17	ide State:	Mid-Ebb Suspend 8		Depth	Remarks
Date of Station MW1 S	Sampling: Time 11:50	Sea Condition	Overall Depth, m	W Sampling Depth,m	Veather C Tempera a	ondition: ature, °C b	sunny Dissolve a	ed Oxyge b	n, mg/L Average	Dissolve a	Ambier d Oxyger b	nt Tempera n, % Average	ature,°C: Salinity, a	19 ppt b	Turbidity a	T <u>, NTU</u> b	ide State: Average	Mid-Ebb		Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 11:50 11:53	Sea Condition	Overall Depth, m	W Sampling Depth,m	Tempera a 18.6	ondition: ature, °C b 18.6	sunny Dissolve a 5.00	b 4.98	n, mg/L Average 4.99	Dissolve a 69.1	Ambien d Oxygen b 69.2	nt Tempera n, % Average 69.2	ature,°C: Salinity, a 34.7	19 ppt b 34.6	Turbidity a 1.31	T <u>, NTU</u> b 1.17	ide State: Average	Mid-Ebb Suspend 8		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 11:50 11:53 11:56	Sea Condition	Overall Depth, m 4	W Sampling Depth,m 1 3	Veather C a 18.6 18.6	ondition: ature, °C b 18.6 18.5	sunny Dissolve a 5.00 4.34	d Oxyge b 4.98 4.32	n, mg/L Average 4.99 4.33	Dissolve a 69.1 62.5	Ambier d Oxyger b 69.2 62.6	nt Tempera n, % Average 69.2 62.6	ature,°C: Salinity, a 34.7 34.7	19 ppt 34.6 34.7	Turbidity a 1.31 1.04	T 5, NTU b 1.17 1.11	ide State: Average	Mid-Ebb Suspend 8 <5.0		Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 11:50 11:53 11:56 11:30	1/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1	Tempera a 18.6 18.6 18.8	ondition: ature, °C b 18.6 18.5 18.8	sunny Dissolve a 5.00 4.34 5.11	ed Oxyge b 4.98 4.32 5.11	n, mg/L Average 4.99 4.33	Dissolve a 69.1 62.5 72.0	Ambier d Oxyger b 69.2 62.6 71.8	nt Tempera n, % Average 69.2 62.6	ature,°C: Salinity, a 34.7 34.7 34.6	19 ppt 34.6 34.7 34.6	Turbidity a 1.31 1.04 1.06	T , NTU b 1.17 1.11 1.06	ide State: Average 1.16	Mid-Ebb Suspence 8 <5.0 <5.0		Depth Average 8.0	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	1/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5	Veather C Tempera 18.6 18.6 18.8 18.8 18.8	ondition: ature, °C b 18.6 18.5 18.8 18.8 18.6	sunny Dissolve a 5.00 4.34 5.11 4.56	4.98 4.32 5.11 4.50	n, mg/L Average 4.99 4.33 4.82	Dissolve a 69.1 62.5 72.0 63.4	Ambien d Oxygen b 69.2 62.6 71.8 63.4	nt Temper: n, % Average 69.2 62.6 67.7	ature, °C: Salinity, a 34.7 34.7 34.6 34.6	19 ppt 34.6 34.7 34.6 34.7	Turbidity a 1.31 1.04 1.06 1.24	T , NTU b 1.17 1.11 1.06 1.20	ide State: Average 1.16	Mid-Ebb Suspend 8 <5.0 <5.0 <5.0		Depth Average 8.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36	1/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 4.5	Veather C Tempera 18.6 18.6 18.8 18.8 18.8	ondition: ature, °C b 18.6 18.5 18.8 18.8 18.6	sunny Dissolve a 5.00 4.34 5.11 4.56	4.98 4.32 5.11 4.50	n, mg/L Average 4.99 4.33 4.82 3.79	Dissolve a 69.1 62.5 72.0 63.4	Ambien d Oxygen b 69.2 62.6 71.8 63.4	nt Tempera Average 69.2 62.6 67.7 54.8	ature, °C: Salinity, a 34.7 34.7 34.6 34.6	19 ppt 34.6 34.7 34.6 34.7	Turbidity a 1.31 1.04 1.06 1.24	T , NTU b 1.17 1.11 1.06 1.20	ide State: Average 1.16	Mid-Ebb Suspend 8 <5.0 <5.0 <5.0		Depth Average 8.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00	1/2/2007 Sea Condition small wave	Overali Depth, m 4 9	W Sampling Depth,m 1 3 1 4.5 8	/eather C Tempera a 18.6 18.6 18.8 18.6 18.6 18.6	ondition: ature, °C b 18.6 18.5 18.8 18.6 18.6 18.6	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80	4.98 4.98 4.32 5.11 4.50 3.77	n, mg/L Average 4.99 4.33 4.82 3.79	Dissolve a 69.1 62.5 72.0 63.4 54.8	Ambieu d Oxyger b 69.2 62.6 71.8 63.4 54.8	nt Tempera Average 69.2 62.6 67.7 54.8	ature,°C: Salinity, a 34.7 34.6 34.6 34.8	19 ppt 34.6 34.7 34.6 34.7 34.8	Turbidity a 1.31 1.04 1.06 1.24 1.13	T , NTU b 1.17 1.11 1.06 1.20 1.20	ide State: Average 1.16 1.15	Mid-Ebb Suspend 8 <5.0 <5.0 <5.0 <5.0		Depth Average 8.0 <5.0	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 M MW2 B CW1 S CW1 M	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03	1/2/2007 Sea Condition small wave	Overali Depth, m 4 9	W Sampling Depth,m 1 3 1 4.5 8	/eather C Tempera a 18.6 18.6 18.8 18.6 18.6 18.6	ondition: ature, °C b 18.6 18.5 18.8 18.6 18.6 18.6	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80	4.98 4.98 4.32 5.11 4.50 3.77	n, mg/L Average 4.99 4.33 4.82 3.79	Dissolve a 69.1 62.5 72.0 63.4 54.8	Ambieu d Oxyger b 69.2 62.6 71.8 63.4 54.8	nt Tempera Average 69.2 62.6 67.7 54.8	ature,°C: Salinity, a 34.7 34.6 34.6 34.8	19 ppt 34.6 34.7 34.6 34.7 34.8	Turbidity a 1.31 1.04 1.06 1.24 1.13	T , NTU b 1.17 1.11 1.06 1.20 1.20	ide State: Average 1.16 1.15	Mid-Ebb Suspend 8 <5.0 <5.0 <5.0 <5.0		Depth Average 8.0 <5.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06	1/2/2007 Sea Condition small wave	Overali Depth, m 4 9	W Sampling Depth,m 1 3 1 4.5 8 1.5	/eather C Tempera a 18.6 18.6 18.6 18.6 18.6	ature, *C b 18.6 18.5 18.8 18.6 18.6 18.6	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93	n, mg/L Average 4.99 4.33 4.82 3.79 4.93	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9	Ambien d Oxygee b 69.2 62.6 71.8 63.4 54.8 68.3	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1	ature, °C: Salinity, a 34.7 34.6 34.6 34.6 34.6	19 ppt b 34.6 34.7 34.6 34.7 34.8 34.6 34.6	Turbidity a 1.31 1.04 1.24 1.13 1.01	T , <u>NTU</u> b 1.17 1.11 1.06 1.20 1.20 1.17	ide State: Average 1.16 1.15	Mid-Ebb Suspence 8 <5.0 <5.0 <5.0 <5.0 <5.0		Depth Average 8.0 <5.0	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M 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	1/2/2007 Sea Condition small wave small wave	Overall Depth, m 4 9 3	W Sampling Depth,m 1 3 1 4.5 8 1.5	/eather C Tempera 18.6 18.6 18.6 18.6 18.6 18.6 18.6	ature, ⁶ C b 18.6 18.5 18.8 18.6 18.6 18.6 18.7 18.7	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93 4.98	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93 4.96	n, mg/L Average 4.99 4.33 4.82 3.79 4.93	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9 69.4	Ambien d Oxygen b 69.2 62.6 71.8 63.4 54.8 68.3 68.3 68.3	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1	ature, °C: Salinity, a 34.7 34.6 34.6 34.6 34.6 34.6 34.5	19 ppt b 34.6 34.7 34.6 34.7 34.8 34.6 34.5	Turbidity a 1.31 1.04 1.06 1.24 1.13 1.01	T , <u>NTU</u> b 1.17 1.11 1.06 1.20 1.20 1.20 1.22	Tide State: Average 1.16 1.15	Mid-Ebb Suspence 8 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	<5.0	Depth Average 8.0 <5.0 <5.0	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 M 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 11:40	1/2/2007 Sea Condition small wave small wave small wave	Overall Depth, m 4 9 3 10	W Sampling Depth,m 1 3 1 4.5 8 8 1.5 1 5 9	/eather C Tempera 18.6 18.6 18.8 18.6 18.6 18.6 18.6 18.6	ondition: ature, ⁹ C b 18.6 18.5 18.8 18.6 18.6 18.6 18.7 18.7 18.7 18.5	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93 4.93 4.98 4.10 3.66	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93 4.93 4.96 4.07 3.61	n, mg/L Average 4.99 4.33 4.82 3.79 4.93 4.53 4.53 3.64	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9 69.4 60.6	Ambien d Oxygen b 69.2 62.6 71.8 63.4 54.8 68.3 69.0 60.6 53.1	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1 64.9 53.1	ature,°C: <u>Salinity,</u> <u>34.7</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.5</u> <u>34.5</u>	19 ppt b 34.6 34.7 34.6 34.7 34.6 34.6 34.5 34.5 34.5	Turbidity a 1.31 1.04 1.06 1.24 1.13 1.01 1.32 0.97	NTU b 1.17 1.11 1.06 1.20 1.20 1.17 1.20 1.11	ide State: Average 1.16 1.15 1.09 1.17	Mid-Ebb Suspenc 8 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <7.4	<5.0 9.2	Depth Average 8.0 <5.0 <5.0 8.3	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B CW1 S CW1 B CW2 S CW2 M	Sampling: Time 11:50 11:53 11:56 11:30 11:33 11:36 12:00 12:03 12:06 11:40 11:40	1/2/2007 Sea Condition small wave small wave small wave small wave Dissolved Ox	Overall Depth, m 4 9 3 10 cygen Mete	W Sampling Depth,m 1 3 1 4.5 8 8 1.5 1 5 9	Teather C Temper- a 18.6 18.6 18.6 18.6 18.6 18.6 18.7 18.5 18.5 18.6 EM	ature, [°] C b 18.6 18.5 18.8 18.6 18.6 18.6 18.7 18.7 18.7 18.5 18.5 6167	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93 4.93 4.98 4.10 3.66	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93 4.96 4.07 3.61	n, mg/L Average 4.99 4.33 4.82 3.79 4.93 4.53 3.64 on Check:	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9 69.4 60.6	Ambien d Oxygen b 69.2 62.6 71.8 63.4 54.8 66.3 69.0 60.6 53.1 100	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1 64.9 53.1 100%:	ature,°C: <u>Salinity,</u> <u>34.7</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.5</u> <u>34.5</u>	19 ppt b 34.6 34.7 34.6 34.7 34.6 34.6 34.5 34.5 34.5	Turbidity a 1.31 1.04 1.06 1.24 1.13 1.01 1.32 0.97	NTU b 1.17 1.11 1.20 1.20 1.20 1.20 1.24 1.11 1.24	ide State: Average 1.16 1.15 1.09 1.17 Sampled	Mid-Ebb Suspend 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	c.5.0 c.5.0 c.5.0 c.5.0 Cheng Y	Depth Average 8.0 <5.0 <5.0 8.3	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 M 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 11:40	1/2/2007 Sea Condition small wave small wave small wave small wave Dissolved Ov Turbidity Met	Overall Depth, m 4 9 3 10 cvgen Mete	W Sampling Depth,m 1 3 1 4.5 8 8 1.5 1 5 9	/eather C Tempera 18.6 18.6 18.8 18.6 18.6 18.6 18.6 18.6	ondition: ature, ⁹ C b 18.6 18.5 18.8 18.6 18.6 18.6 18.7 18.7 18.7 18.5	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93 4.93 4.98 4.10 3.66	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93 4.96 4.07 3.61	n, mg/L Average 4.99 4.33 4.82 3.79 4.93 4.53 4.53 3.64	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9 69.4 60.6	Ambien d Oxygen b 69.2 62.6 71.8 63.4 54.8 68.3 69.0 60.6 53.1	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1 64.9 53.1 100%:	ature,°C: <u>Salinity,</u> <u>34.7</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.5</u> <u>34.5</u>	19 ppt b 34.6 34.7 34.6 34.7 34.6 34.6 34.5 34.5 34.5	Turbidity a 1.31 1.04 1.06 1.24 1.13 1.01 1.32 0.97	NTU b 1.17 1.11 1.20 1.20 1.20 1.20 1.24 1.11 1.24	ide State: Average 1.16 1.15 1.09 1.17	Mid-Ebb Suspend 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	<5.0 9.2	Depth Average 8.0 <5.0 <5.0 8.3	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 M 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 11:40	1/2/2007 Sea Condition small wave small wave small wave small wave Dissolved Ox	Overall Depth, m 4 9 3 10 cvgen Mete	W Sampling Depth,m 1 3 1 4.5 8 8 1.5 1 5 9	Teather C Temper- a 18.6 18.6 18.6 18.6 18.6 18.6 18.7 18.5 18.5 18.6 EM	ature, [°] C b 18.6 18.5 18.8 18.6 18.6 18.6 18.7 18.7 18.7 18.5 18.5 6167	sunny Dissolve a 5.00 4.34 5.11 4.56 3.80 4.93 4.93 4.98 4.10 3.66	d Oxyge b 4.98 4.32 5.11 4.50 3.77 4.93 4.93 4.96 4.07 3.61 Calibrati	n, mg/L Average 4.99 4.33 4.82 3.79 4.93 4.53 3.64 on Check:	Dissolve a 69.1 62.5 72.0 63.4 54.8 67.9 69.4 60.6	Ambien d Oxygen b 69.2 62.6 71.8 63.4 54.8 66.3 69.0 60.6 53.1 100	nt Tempera n, % Average 69.2 62.6 67.7 54.8 68.1 64.9 53.1 100%: NTU	ature,°C: <u>Salinity,</u> <u>34.7</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.6</u> <u>34.5</u> <u>34.5</u>	19 ppt b 34.6 34.7 34.6 34.7 34.6 34.6 34.5 34.5 34.5	Turbidity a 1.31 1.04 1.06 1.24 1.13 1.01 1.32 0.97	NTU b 1.17 1.11 1.20 1.20 1.20 1.20 1.24 1.11 1.24	ide State: Average 1.16 1.15 1.09 1.17 Sampled	Mid-Ebb Suspenc 8 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0	c.5.0 c.5.0 c.5.0 c.5.0 Cheng Y	Depth Average 8.0 <5.0 <5.0 8.3 <u>'i</u> d Dai	Remarks

					W۶	ater C	Juali	ty M	onitor	ing [Jata	Shee	t (W	ong	Shek	:)					
Project:	Contract I	No. CV/2004/0	02 Recons	struction of V	Vong She	ek and Kc) Lau Wa	in Public	Piers	_	Client:	Kin Shing	Constru	ction Co.	., Ltd.	-	Job No.:	J429	_		
Date of (Sampling:	: 5/2/2007		w	Veather Co	ondition:		sunny		-	Ambie	ent Tempera	ature,ºC:	19	<u>. </u>	. T	Tide State:	Mid-Floc	od	-	
Station	Time	Sea	Overall	Sampling	Temper	rature, ⁰C	Dissolve	ed Oxyge	n, mg/L	Dissolve	ed Oxyge	n, %	Salinity,	ppt	Turbidity	, NTU		Suspenr	ded Solids	is, mg/L	Remarks
	1	Condition	Depth, m	n Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MW1 S	9:20			1	17.4	17.4	4.93	4.93		68.8	68.7		35.0	35.0	0.92	1.07		<5.0			
MW1 M	9:23	small wave	5						4.93			68.8					1.10			5.4	
MW1 B	9:26		<u> </u>	4	17.4	17.4	4.66	4.65	4.66	63.2	63.2	63.2	35.0	35.0	1.13	1.29		5.4			
MW2 S	9:00		<u> </u>	1	17.3	17.3	5.18	5.15	4.73	71.4	71.4	67.0	34.8	34.8	1.22	1.05		<5.0			
MW2 M	9:03	small wave	11	5.5	17.2	17.2	4.30	4.30	4.70	62.6	62.6	07.0	35.0	35.0	1.13	1.10	1.08	<5.0		<5.0	
MW2 B	9:06	<u> </u>	<u> </u>	10	17.1	17.1	3.70	3.74	3.72	56.4	56.4	56.4	35.1	35.1	0.93	1.07		<5.0		<u> </u> '	
CW1 S	9:30		['						5.02			70.1								'	
CW1 M	9:33	small wave	3	1.5	17.4	17.4	5.02	5.01	0.02	69.8	70.3	10	35.1	35.1	1.15	1.24	1.20	<5.0		<5.0	
CW1 B	9:36	<u> </u>	<u> '</u>	<u> </u>												Ĺ				<u> </u> '	
CW2 S	9:10		<u> </u>	1	17.3	17.3	4.75	4.72	4.43	67.0	66.8	- 63.7	35.0	35.0	1.15	1.01		<5.0	<5.0	'	
CW2 M	9:13	small wave	12	6	17.1	17.1	4.11	4.13	4.40	60.4	60.5	00.7	35.1	35.1	1.37	1.20	1.15	5.2	6	5.6	
CW2 B	9:16	!	<u> </u>	11	17.0	17.0	3.48	3.49	3.49	53.8	53.8	53.8	35.2	35.2	1.04	1.10		<5.0	<5.0	<u> </u> '	
Equipmen		Dissolved Ox			EM	6167	_	Calibrati	ion Check:			100%:					Sampled		Cheng Y		
		Turbidity Met	ier:		EM	2365	•	Calibrati	ion Check:		10.2	NTU					Checked I		Raymon		-
		Salinity Meter	ir:		EM	6167	•	Calibrati	ion Check:		35.5	ppt					Date:		12/2/200)7	-
		Thermometer	ir:		EM	6167															
Project:	Contract	No. CV/2004/0	02 Recons	struction of V	Nong She	ek and Kc) Lau Wa	n Public	Piers	_	Client:	Kin Shing	Constru	ction Co.	., Ltd.	-	Job No.:	J429	_		
Date of \$	Sampling:	: 5/2/2007	,	w	Veather Co	Condition:		sunny		_	Ambie	ent Tempera	ature,°C:	. 19	,	. ı	Tide State:	Mid-Ebb)	_	
Station	Time	Sea	Overall	Sampling	Temper	rature, ⁰C	Dissolve	-d Oxyge	n. mg/L	Dissolve	ed Oxyge	n. %	Salinity,	not	Turbidity	. NTU		Suspen	ded Solids	Is. mg/L	Remarks
	·		Depth, m		а	b	a		Average	a		Average	a	b	a	b	Average			Depth Average	
MW1 S	14:20		<u> </u>	1	17.6	17.6	5.03	5.00	- 5.02	71.3	71.2	71.3	35.1	35.1	1.09	1.14		<5.0			
MW1 M	14:23	small wave	4						0.02			/1.0				I	1.19			<5.0	
MW1 B	14:26	<u> </u>	<u> </u>	3	17.5	17.5	4.80	4.77	4.79	68.9	69.1	69.0	35.2	35.2	1.24	1.27		<5.0		<u> </u> '	
MW2 S	14:00			1	17.6	17.6	4.98	4.99	4.59	69.7	69.9	66.4	34.8	34.8	1.12	1.04		<5.0			
MW2 M	14:03	small wave	9	4.5	17.4	17.4	4.20	4.19	4.59	63.0	63.1	00.4	35.0	35.0	1.33	1.18	1.14	6.4		6.4	

MW2 B 8 17.3 17.3 3.72 3.71 3.72 57.4 57.4 57.4 35.1 35.1 1.18 <5.0 14:06 1.00 CW1 S 14:30 5.00 70.9 CW1 M 14:33 small wave 3 1.5 17.5 17.5 5.00 4.99 70.8 70.9 35.1 35.1 1.25 1.34 1.30 <5.0 <5.0 CW1 B 14:36 CW2 S 14:10 17.5 5.03 34.9 1 17.5 5.01 70.3 70.4 34.9 1.27 1.19 <5.0 <5.0 66.6 4.68 CW2 M 14:13 small wave 11 5.5 17.3 4.33 4.34 62.8 62.7 35.1 35.1 1.03 1.11 1.23 <5.0 <5.0 <5.0 17.3 17.3 17.3 3.97 57.6 57.9 35.2 35.2 1.38 1.41 <5.0 CW2 B 14:16 10 3.94 3.96 57.8 <5.0

EM 6167 100 100%: Equipment used: Dissolved Oxygen Meter: Calibration Check: Sampled By: Cheng Yi Turbidity Meter: EM 2365 Calibration Check: 10.2 NTU Checked By: Raymond Dai 12/2/2007 6167 35.5 ppt Salinity Meter: EM Calibration Check: Date: 6167

EM Thermometer:

Water Quality Monitoring Data Sheet (Wong Shek)

Project:	Contract I	No. CV/2004/0	02 Recons	truction of V	Vong She	k and Ko	Lau Wa	n Public	Piers		Client:	Kin Shing	Construe	ction Co.,	Ltd.		Job No.:	J429			
Date of	Sampling:	15/2/2007		w	/eather C	ondition:	sunny				Ambier	nt Tempera	ature,⁰C:	21		٦	ide State:	Mid-Floo	bd		
Station	Time	Sea	Overall	Sampling	Tempera	ature, ⁰C	Dissolve	d Oxyge	n. ma/L	Dissolve	d Oxygei	1. %	Salinity,	ppt	Turbidity	NTU		Suspend	ded Solid	s. ma/L	Remarks
olulion		Condition		Depth,m	a	b	a		Average	a		Average	a	b	a	b	Average	ouopone		Depth Average	i loniano
MW1 S	15:20			1	19.4	19.4	6.81	6.81	0.01	97.4	99.3	00.4	35.2	35.2	0.99	0.90		20			
MW1 M	15:23	small wave	4						6.81			98.4					1.05			12.8	
MW1 B	15:26			3	19.3	19.3	6.62	6.62	6.62	96.5	96.6	96.6	35.4	35.4	1.16	1.15		5.6			
MW2 S	15:00			1	19.0	19.0	7.07	7.05	6.85	103.4	103.4	100.0	35.3	35.3	1.07	1.34		<5.0			
MW2 M	15:03	small wave	10	5	18.4	18.4	6.63	6.64		96.5	96.8		35.4	35.5	1.16	1.10	1.18	7.2		6.5	
MW2 B	15:06			9	18.2	18.2	6.37	6.32	6.35	91.8	91.8	91.8	35.6	35.6	1.19	1.24		5.8			
CW1 S	15:30	-							6.94			100.6									
CW1 M	15:33	small wave	3	1.5	18.8	18.8	6.93	6.94		100.6	100.6		35.4	35.4	1.16	1.23	1.20	<5.0		<5.0	
CW1 B	15:36																				
CW2 S	15:10	-		1	19.0	19.0	7.20	7.20	7.07	106.1	106.3	103.3	35.4	35.4	1.02	1.13		7.8	11		
CW2 M	15:13	small wave	11	5.5	18.6	18.6	6.93	6.94		100.4	100.4		35.6	35.6	1.35	1.42	1.23	<5.0	<5.0	9.2	
CW2 B	15:16			10	18.2	18.2	6.58	6.57	6.58	94.0	94.0	94.0	35.6	35.6	1.28	1.20		8.8	<5.0		
Equipmer	t used:	Dissolved O	waen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled I	Bv:	Cheng Y	'n	
		Turbidity Met			EM	2365			on Check:		9.8						Checked I		Raymon		
		Salinity Mete			EM	6167			on Check:		34.9	ppt					Date:		22/2/200		
		Thermomete			EM	6167															
Project:	Contract I	No. CV/2004/0)2 Recons	truction of V	Vong She	k and Ko	Lau Wa	n Public	Piers			Kin Shing					Job No.:	J429			
Date of	Sampling:	No. CV/2004/0		W	/eather C	ondition:		sunny			Ambier	nt Tempera				7	ide State:	Mid-Ebb			
				W	/eather C			sunny			Ambier d Oxyger	nt Tempera		21		7	ide State:	Mid-Ebb	ded Solid	Depth	Remarks
Date of	Sampling:	15/2/2007 Sea	Overall	W	/eather C Tempera	ondition: ature, °C	Dissolve	sunny d Oxyge	n, mg/L	Dissolve	Ambier d Oxyger	nt Tempera n, %	ature,⁰C: Salinity,	21	Turbidity	, NTU	ide State:	Mid-Ebb	ded Solid		Remarks
Date of Station	Sampling: Time	15/2/2007 Sea	Overall	W Sampling Depth,m	/eather C Tempera a	ondition: ature, °C b	Dissolve a	sunny d Oxyge b	n, mg/L	Dissolve	Ambier d Oxyger b	nt Tempera n, %	ature,°C: Salinity, a	21 ppt b	Turbidity a	, NTU b	ide State:	Mid-Ebb	ded Solid	Depth	Remarks
Date of Station MW1 S	Sampling: Time 12:00	Sea Condition	Overall Depth, m	W Sampling Depth,m	/eather C Tempera a	ondition: ature, °C b	Dissolve a	sunny d Oxyge b	n, mg/L Average	Dissolve	Ambier d Oxyger b	nt Tempera n, % Average	ature,°C: Salinity, a	21 ppt b	Turbidity a	, NTU b	ide State: Average	Mid-Ebb	ded Solid	Depth Average	Remarks
Date of Station MW1 S MW1 M	Sampling: Time 12:00 12:03	Sea Condition	Overall Depth, m	W Sampling Depth,m	Veather C Tempera a 20.1	ondition: ature, °C b 20.0	Dissolve a 7.07	sunny d Oxyger b 7.07	n, mg/L Average 7.07 6.58	Dissolve a 104.3	Ambien d Oxygen b 104.2	nt Tempera n, % Average 104.3 97.2	ature,°C: Salinity, a 35.0	21 ppt b 35.0	Turbidity a 1.22	7 , NTU b 1.00	ide State: Average	Mid-Ebb Suspend	ded Solid	Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B	Sampling: Time 12:00 12:03 12:06	Sea Condition	Overall Depth, m 4	W Sampling Depth,m 1 3	Veather C a 20.1 19.3	ature, °C b 20.0 19.5	Dissolve a 7.07 6.58	sunny d Oxyge b 7.07 6.58	n, mg/L Average 7.07	Dissolve a 104.3 97.2	Ambier d Oxyger b 104.2 97.2	nt Tempera n, % Average 104.3	ature,°C: Salinity, a 35.0 35.2	21 ppt 35.0 35.2	Turbidity a 1.22 1.33	, NTU b 1.00 1.19	ide State: Average	Mid-Ebb Suspend 13 11	ded Solid	Depth Average	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S	Sampling: Time 12:00 12:03 12:06 11:40	Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1	Veather C a 20.1 19.3 19.6	ondition: ature, °C b 20.0 19.5 19.6	Dissolve a 7.07 6.58 6.93	sunny d Oxyger b 7.07 6.58 6.92	n, mg/L Average 7.07 6.58	Dissolve a 104.3 97.2 100.4	Ambier d Oxyger b 104.2 97.2 100.8	nt Tempera n, % Average 104.3 97.2	ature,°C: <u>Salinity,</u> a 35.0 35.2 35.1	21 ppt 35.0 35.2 35.1	Turbidity a 1.22 1.33 1.06	, NTU b 1.00 1.19 1.14	ide State: Average 1.19	Mid-Ebb Suspend 13 11 14	ded Solid	Depth Average 12.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M	Sampling: Time 12:00 12:03 12:06 11:40 11:43	Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5	Veather C Tempera 20.1 19.3 19.6 19.3	ondition: ature, °C b 20.0 19.5 19.6 19.3	Dissolve a 7.07 6.58 6.93 6.34	sunny d Oxyge b 7.07 6.58 6.92 6.40	n, mg/L Average 7.07 6.58 6.65 6.02	Dissolve a 104.3 97.2 100.4 97.2	Ambien d Oxygen b 104.2 97.2 100.8 97.2	nt Tempera Average 104.3 97.2 98.9 93.3	ature, °C: Salinity, a 35.0 35.2 35.1 35.4	21 ppt 35.0 35.2 35.1 35.4	Turbidity a 1.22 1.33 1.06 1.53	1.00 1.19 1.14	ide State: Average 1.19	Mid-Ebb Suspend 13 11 11 14 11	ded Solid	Depth Average 12.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46	Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5	Veather C Tempera 20.1 19.3 19.6 19.3	ondition: ature, °C b 20.0 19.5 19.6 19.3	Dissolve a 7.07 6.58 6.93 6.34	sunny d Oxyge b 7.07 6.58 6.92 6.40	n, mg/L Average 7.07 6.58 6.65	Dissolve a 104.3 97.2 100.4 97.2	Ambien d Oxygen b 104.2 97.2 100.8 97.2	nt Tempera n, % Average 104.3 97.2 98.9	ature, °C: Salinity, a 35.0 35.2 35.1 35.4	21 ppt 35.0 35.2 35.1 35.4	Turbidity a 1.22 1.33 1.06 1.53	1.00 1.19 1.14	ide State: Average 1.19	Mid-Ebb Suspend 13 11 11 14 11	ded Solid	Depth Average 12.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10	15/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5 9	/eather C Tempera 20.1 19.3 19.6 19.3 19.1	ondition: ature, °C b 20.0 19.5 19.6 19.3 19.2	Dissolve a 7.07 6.58 6.93 6.34 6.03	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01	n, mg/L Average 7.07 6.58 6.65 6.02	Dissolve a 104.3 97.2 100.4 97.2 93.3	Ambien d Oxyger b 104.2 97.2 100.8 97.2 93.3	nt Tempera Average 104.3 97.2 98.9 93.3	ature,°C: <u>Salinity</u> a 35.0 35.2 35.1 35.4 35.4	21 ppt 35.0 35.2 35.1 35.4 35.4	Turbidity a 1.22 1.33 1.06 1.53 0.96	, NTU b 1.00 1.19 1.14 1.44 1.00	Tide State: Average 1.19	Mid-Ebb Suspend 13 11 14 11 14	ded Solid	Depth Average 12.0 13.0	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 M MW2 B CW1 S CW1 M	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13	15/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5 9	/eather C Tempera 20.1 19.3 19.6 19.3 19.1	ondition: ature, °C b 20.0 19.5 19.6 19.3 19.2	Dissolve a 7.07 6.58 6.93 6.34 6.03	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01	n, mg/L Average 7.07 6.58 6.65 6.02 6.84	Dissolve a 104.3 97.2 100.4 97.2 93.3	Ambien d Oxyger b 104.2 97.2 100.8 97.2 93.3	nt Temperan n, % Average 104.3 97.2 98.9 93.3 99.5	ature,°C: <u>Salinity</u> a 35.0 35.2 35.1 35.4 35.4	21 ppt 35.0 35.2 35.1 35.4 35.4	Turbidity a 1.22 1.33 1.06 1.53 0.96	, NTU b 1.00 1.19 1.14 1.44 1.00	Tide State: Average 1.19	Mid-Ebb Suspend 13 11 14 11 14	ded Solid	Depth Average 12.0 13.0	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13 12:16	15/2/2007 Sea Condition small wave	Overall Depth, m 4	W Sampling Depth,m 1 3 1 5 9 9 1.5	Yeather C Tempera 20.1 19.3 19.6 19.3 19.1 19.5 19.5	ature, *C b 20.0 19.5 19.6 19.3 19.2	Dissolve a 7.07 6.58 6.93 6.34 6.03 6.84	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01 6.83	n, mg/L Average 7.07 6.58 6.65 6.02	Dissolve a 104.3 97.2 100.4 97.2 93.3 99.5	Ambient d Oxygen b 104.2 97.2 100.8 97.2 93.3 99.5	nt Tempera Average 104.3 97.2 98.9 93.3	ature,°C: <u>Salinity</u> , a 35.0 35.2 35.1 35.4 35.1	21 ppt b 35.0 35.2 35.1 35.4 35.4 35.2	Turbidity a 1.22 1.33 1.06 1.53 0.96 1.08	1.19 1.00 1.14 1.44 1.03	Tide State: Average 1.19	Mid-Ebb Suspence 13 11 14 11 14 11 14 13		Depth Average 12.0 13.0	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B CW2 S	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13 12:16 11:50	15/2/2007 Sea Condition small wave small wave small wave	Overall Depth, m 4 10 3	W Sampling Depth,m 1 3 1 5 9 9 1.5	/eather C Temperar 20.1 19.3 19.6 19.3 19.1 19.5	ature, °C b 20.0 19.5 19.6 19.3 19.2 19.5	Dissolve a 7.07 6.58 6.93 6.93 6.93 6.93 6.93 6.93 6.93 7.00	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01 6.83 7.00	n, mg/L Average 7.07 6.58 6.65 6.02 6.84	Dissolve a 104.3 97.2 100.4 97.2 93.3 99.5 100.6	Ambient d Oxygen b 104.2 97.2 100.8 97.2 93.3 99.5 101.0	nt Temperan n, % Average 104.3 97.2 98.9 93.3 99.5	ature,°C: <u>Salinity</u> , a 35.0 35.2 35.1 35.4 35.4 35.1 35.1	21 ppt b 35.0 35.2 35.1 35.4 35.4 35.2 35.2 35.1	Turbidity a 1.22 1.33 1.06 1.53 0.96 1.08	1.19 1.14 1.44 1.00 1.39	Tide State: Average 1.19 1.19 1.06	Mid-Ebb Suspence 13 11 14 11 14 13 9.6	7.4	Depth Average 12.0 13.0 13.0	Remarks
Date of Station MW1 S MW1 M MW2 B MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13 12:16 11:50 11:55	15/2/2007 Sea Condition 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 1.5 9 9	reather C Temperative 20.1 19.3 19.6 19.3 19.1 19.5 19.5 19.5 19.2 19.0	ondition: ature, ⁹ C b 20.0 19.5 19.6 19.3 19.2 19.5 19.2 19.0	Dissolve a 7.07 6.58 6.93 6.93 6.93 6.93 6.93 6.93 6.93 6.93	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01 6.83 7.00 6.72 6.15	n, mg/L Average 7.07 6.58 6.65 6.02 6.84 6.84 6.86 6.17	Dissolve a 104.3 97.2 100.4 97.2 93.3 99.5 100.6 98.4	Ambien d Oxygen b 104.2 97.2 100.8 97.2 93.3 99.5 101.0 98.4 93.3	nt Temperan n, % Average 104.3 97.2 98.9 93.3 99.5 99.6 93.4	ature,°C: <u>Salinity</u> , <u>3</u> <u>35.2</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.1</u> <u>35.1</u> <u>35.3</u>	21 ppt b 35.0 35.2 35.4 35.4 35.4 35.4 35.4 35.2 35.1 35.3	Turbidity a 1.22 1.33 1.06 1.53 0.96 1.08 1.25 1.15	1.19 1.14 1.44 1.44 1.44 1.39 1.17	Tide State: Average 1.19 1.19 1.06 1.19	Mid-Ebb Suspence 13 11 14 11 14 11 14 13 9.6 17 13	7.4 9.6	Depth Average 12.0 13.0 13.0 12.6	Remarks
Date of Station MW1 S MW1 M MW1 B MW2 S MW2 M MW2 B CW1 S CW1 S CW1 M CW1 B CW1 B CW1 S CW1 M	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13 12:16 11:50 11:53 11:56 t used:	15/2/2007 Sea Condition 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 1.5 9 9	Teather C Tempera 20.1 19.3 19.6 19.3 19.1 19.5 19.5 19.5 19.2 19.0 EM	ature, *C b 20.0 19.5 19.6 19.3 19.2 19.5 19.5 19.5 19.2 19.0 6167	Dissolve a 7.07 6.58 6.93 6.34 6.03 6.84 7.00 6.72 6.18	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01 6.83 7.00 6.72 6.15 Calibrati	n, mg/L Average 7.07 6.58 6.65 6.02 6.84 6.84 6.86 6.17 on Check:	Dissolve a 104.3 97.2 100.4 97.2 93.3 99.5 100.6 98.4	Ambiel d Oxygeu b 104.2 97.2 100.8 97.2 93.3 99.5 101.0 98.4 93.3	nt Temperative n, % Average 104.3 97.2 98.9 93.3 99.5 99.6 93.4 100%:	ature,°C: <u>Salinity</u> , <u>3</u> <u>35.2</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.1</u> <u>35.1</u> <u>35.3</u>	21 ppt b 35.0 35.2 35.4 35.4 35.4 35.4 35.4 35.2 35.1 35.3	Turbidity a 1.22 1.33 1.06 1.53 0.96 1.08 1.25 1.15	1.19 1.14 1.44 1.44 1.44 1.39 1.17	Image Image 1.19 1.19 1.06 1.06 1.19 Image	Mid-Ebb Suspend 13 11 14 11 14 11 14 13 9.6 17 13 89:	7.4 19 9.6 Cheng Y	Depth Average 12.0 13.0 13.0 12.6	Remarks
Date of Station MW1 S MW1 M MW2 S MW2 M MW2 B CW1 S CW1 M CW1 B CW2 S CW2 M CW2 B	Sampling: Time 12:00 12:03 12:06 11:40 11:43 11:46 12:10 12:13 12:16 11:50 11:53 11:56 t used:	15/2/2007 Sea Condition small wave small wave small wave	Overall Depth, m 4 10 3 12 cygen Mete er:	W Sampling Depth,m 1 3 1 5 9 1.5 1 1.5 9 9	reather C Temperative 20.1 19.3 19.6 19.3 19.1 19.5 19.5 19.5 19.2 19.0	ondition: ature, ⁹ C b 20.0 19.5 19.6 19.3 19.2 19.5 19.2 19.0	Dissolve a 7.07 6.58 6.93 6.93 6.93 6.93 6.93 6.93 6.93 6.93	sunny d Oxyge b 7.07 6.58 6.92 6.40 6.01 6.83 7.00 6.72 6.15 Calibrati	n, mg/L Average 7.07 6.58 6.65 6.02 6.84 6.84 6.86 6.17	Dissolve a 104.3 97.2 100.4 97.2 93.3 99.5 100.6 98.4	Ambien d Oxygen b 104.2 97.2 100.8 97.2 93.3 99.5 101.0 98.4 93.3	nt Temperan n, % Average 104.3 97.2 98.9 93.3 99.5 99.6 93.4	ature,°C: <u>Salinity</u> , <u>3</u> <u>35.2</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.4</u> <u>35.1</u> <u>35.1</u> <u>35.3</u>	21 ppt b 35.0 35.2 35.4 35.4 35.4 35.4 35.4 35.2 35.1 35.3	Turbidity a 1.22 1.33 1.06 1.53 0.96 1.08 1.25 1.15	1.19 1.14 1.44 1.44 1.44 1.39 1.17	Tide State: Average 1.19 1.19 1.06 1.19	Mid-Ebb Suspence 13 11 14 11 14 11 14 13 9.6 17 13 89: 89:	7.4 9.6	Depth Average 12.0 13.0 13.0 12.6 <u>'i</u> d Dai	Remarks



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 - Pier Demolition March - April 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar
					2	
					(Ebb: 15:36)	
	10.14	10.14			(Flood: 09:16)	(7.14
11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
	No sui	table tides for 12-	14 Mar		WQM ³	
					(Ebb: 10:43)	
					(Flood: 15:10)	
18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	· 24-Mar
	WQM ³		WQM ³		WQM ³	
	(Ebb: 12:40)		(Ebb: 14:07)		(Ebb: 15:37)	
	(Flood: 18:42)		(Flood: 07:55)		(Flood: 09:03)	
25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	· 31-Mar
	No sui	table tides for 26-2	28 Mar		WQM ³	
					(Ebb: 10:49)	
					(Flood: 16:25)	
1-Apr	2-Apr	3-Apr	4-Apr	-	-	-
	140 M ³		WON ³	Public Holiday	Public Holiday	Public Holiday
	WQM ³		WQM ³			
	(Ebb: 11:57) (Flood: 17:58)		(Ebb: 13:30) (Flood: 07:19)			
8-Apr	(Flood: 17.38) 9-Apr	10-Apr	(Flood: 07:19) 11-Apr	12-Apr	13-Apr	· 14-Apr
8-Арі	9-Apr Public Holiday	то-Арг	П-Арг	12-Арі	тэ-Арг	ι4-Αρι
	Fublic Holiday				140 H ³	
			WQM ³			
			No mid-ebb tides		(Ebb: 10:04)	
			(Flood: 07:41)		(Flood: 15:23)	
15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
	WQM ³	Completion of Pie	r Demolition			
	(Ebb: 11:34)					
	(Flood: 17:39)					

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 3 times a week due to pier demolition works.



CONTRACT NO: CV/2004/02

RECONSTRUCTION OF WONG SHEK AND KO LAU WAN PUBLIC PIERS

ENVIRONMENTAL MONITORING & AUDIT MONTHLY REPORT (KO LAU WAN)

- FEB 2007 -

CLIENT:

Kin Shing Construction Company Limited

1/F, 27 Yin Chong Street, Mongkok, Kowloon, H.K.

Telephone: (852) 2835 7087 Facsimile: (852) 2780-2805

PREPARED BY:

Lam Environmental Services

Room 1411-16 14/F Honour Industrial Centre 6 Sun Yip Street Chai Wan, H.K.

Telephone: (852) 2897-3282 Facsimile: (852) 2897-5509 E-mail: <u>info@lamlab.com</u> Website: <u>http://www.lamlab.com</u>

CERTIFIED BY:

cin

Raymond Dai Senior Environmental Scientist

DATE:

15 Jan 2008

MATERIALAB

Fax:+852-2450-6138

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EXECUTIVE SUMMARY

This is the Monthly Environmental Monitoring and Audit (EM&A) report for Feb 2007 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 28^{th} Feb 2007 for the construction of Ko Lau Wan Public Pier.

Construction Activities for the Reported Period

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

- Removal of temporary cover and hoardings
- Site clearance
- Plant maintenance

Water Quality Monitoring

3 water quality monitoring events in terms of turbidity, dissolved oxygen, suspended solids, temperature, and salinity was carried out at MK1, MK2, MK3, MK4, CK1 and CK2 at Ko Lau Wan. After 16 Feb 07, all the pier construction works were completed and no site work was required until the commencement demolition of pier by 9 Mar 07. Thus, water quality monitoring was suspended during the period from 16 Feb 07 to 8 Mar 07.

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 or non-inert C&D material was disposed and 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

3 site inspections were conducted by the Environmental Team (ET) in this reported period. 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
-	1 Feb	No particular finding	-	-
-	5-Feb	No particular finding	-	-
-	15-Feb	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
Demolition of pier	Air. Water, Noise, Waste	Provide adequate dust suppression measures
		 Avoid concurrent noisy operation during timber and steel preparation
		 Material and waste to be stored properly
		No littering in land or sea



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 28th Feb 2007 for the construction of Ko Lau Wan Public Pier in accordance to Section 26 of the Particular Specification, Project Profile (PP-191/2003) and Environmental Permit (EP-186/2004) for this Project.

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

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

1.2 STRUCTURE OF THE REPORT

- **Section 1** *Introduction* details the scope and structure of the report.
- Section 2 *Project Background* summarizes background and scope of the project, site description, project organization and contact details of key personnel, construction programme and works undertaken during the reporting period.
- Section 3 *Implementation Status* summarizes the status of Environmental Permits / Licenses, implementation of environmental protection and pollution control / mitigation measures in an updated schedule for the reporting period.
- Section 4 *Monitoring Requirements* summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency and programmes.

- Section 5 *Monitoring Results* summarizes the monitoring results obtained in the reporting period.
- Section 6 Compliance Audit summarizes the auditing of monitoring results, all exceedances environmental parameters.
- Section 7 Site Inspection and Audit summarizes the findings of weekly site inspections and independent audit undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.
- Section 8 *Complaints, Notification of Summons and Prosecution* summarizes the complaints, notification of summons and successful prosecution for breaches of environmental legislation and the actions taken within the reporting period.
- Section 9 *Future Key Issues* summarizes the upcoming works and a forecast of the environmental impact and monitoring schedule for the next reporting period.
- Section 10 Conclusion



2

PROJECT BACKGROUND

2.1 SCOPE OF THE PROJECT AND SITE DESCRIPTION

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

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

2.2 PROJECT ORGANIZATION AND CONTACT PERSONNEL

Civil Engineering Office of Civil Engineering and Development Department is the project proponent. The organization chart for the EM&A programme is attached in <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 2.2Contact 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 Ko Lau Wan Pier during this reporting period are:

- Removal of temporary cover and hoardings
- Site clearance
- Plant maintenance

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 <u>Appendix B</u>.



4 MONITORING REQUIREMENTS

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

4.1 WATER QUALITY MONITORING

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

Table 4.1aWater Quality Monitoring Stations

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

Monitoring Methodology

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

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



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

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

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

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

Monitoring Equipment

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

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



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

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

Current calibration certificates are presented in <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 4.1b Laboratory Test Procedures

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

4.3 WATER QUALITY CRITERIA

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

Table 4.3 Action and Limit Levels for Water Quality Monitoring

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

Note:

- 1. "Depth-averaged" is calculated by taking the arithmetic means of reading all three depths.
- 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 – Feb 07

5 -1	0007	Water Quality (DO, Turbidity, SS)	Site Inspection
Feb	2007	MK1, MK2, MK3, MK4, CK1, CK2	
1	Thu	Х	Х
2	Fri		
3	Sat		
4	Sun		
5	Mon	Х	Х
6	Tue		
7	Wed		
8	Thu		
9	Fri		
10	Sat		
11	Sun		
12	Mon		
13	Tue		
14	Wed		
15	Thu	Х	Х
16	Fri		
17	Sat		
18	Sun		
19	Mon		
20	Tue		
21	Wed		
22	Thu		
23	Fri		
24	Sat		
25	Sun		
26	Mon		
27	Tue		
28	Wed		

Note:

- X: Monitoring conducted; monitoring has been suspended after the completion of pier construction work since 16 Feb 07 which will be recommenced by 9 Mar 07 when the pier demolition work begins.
- 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 3 occasions at stations MK1, MK2, MK3, MK4, CK1 and CK2. Calculated water quality monitoring results in this reporting period are reviewed and summarized in *Tables 5.1a and 5.1b*. Details of measured and tested results can be referred in <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) – Feb 07

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MK1	5.43	4.86	1.13	7.9
MK2	5.74	4.78	1.15	7.6
MK3	5.47	4.80	1.16	9.3
MK4	5.41	4.60	1.14	8.1
CK1	5.23	4.27	1.14	6.9
CK2	5.33	4.19	1.16	8.4

Table 5.1b Water Quality Monitoring Results (mid-ebb tide) – Feb 07

Station	Averaged DO Surface & Middle (mg/L)	Averaged DO Bottom (mg/L)	Averaged Turbidity (NTU)	Averaged Suspended Solids (mg/L)
MK1	5.35	4.55	1.15	9.4
MK2	5.40	4.52	1.14	8.7
MK3	5.26	4.25	1.10	7.9
MK4	5.38	4.44	1.12	7.6
CK1	5.32	4.40	1.09	8.0
CK2	5.32	4.31	1.18	7.7

5.2 WASTE MONITORING RESULTS

No inert or non-inert C&D material was disposed and no chemical waste was transported off site in this reported period.

6 COMPLIANCE AUDIT

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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 6.1aSummary of Water Quality Exceedance (mid-flood tide) – Feb 07

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

Table 6.1b Summary of Water Quality Exceedance (mid-ebb tide) – Feb 07

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

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

No exceedance for turbidity and the observed exceedances suspended solids is within 7 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 3 inspections during this reporting period. The results of these inspections and outcomes are summarized in *Table 7*.

Table 7 Summary of Environmental Inspection and Audit – Feb 07

Item	Date	Observations	Action taken by Contractor	Outcome
-	1 Feb	No particular finding	-	-
-	5-Feb	No particular finding	-	-
-	15-Feb	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 <u>Appendix E</u>.

Table 9 Construction Activities and Recommended Mitigation Measures – Mar 2007

Construction Works	Predict Impacts	Proposed Mitigation Measures
Demolition of pier	Air. Water, Noise, Waste	 Provide adequate dust suppression measures Avoid concurrent noisy operation during timber and steel preparation Material and waste to be stored properly No littering in land or sea



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

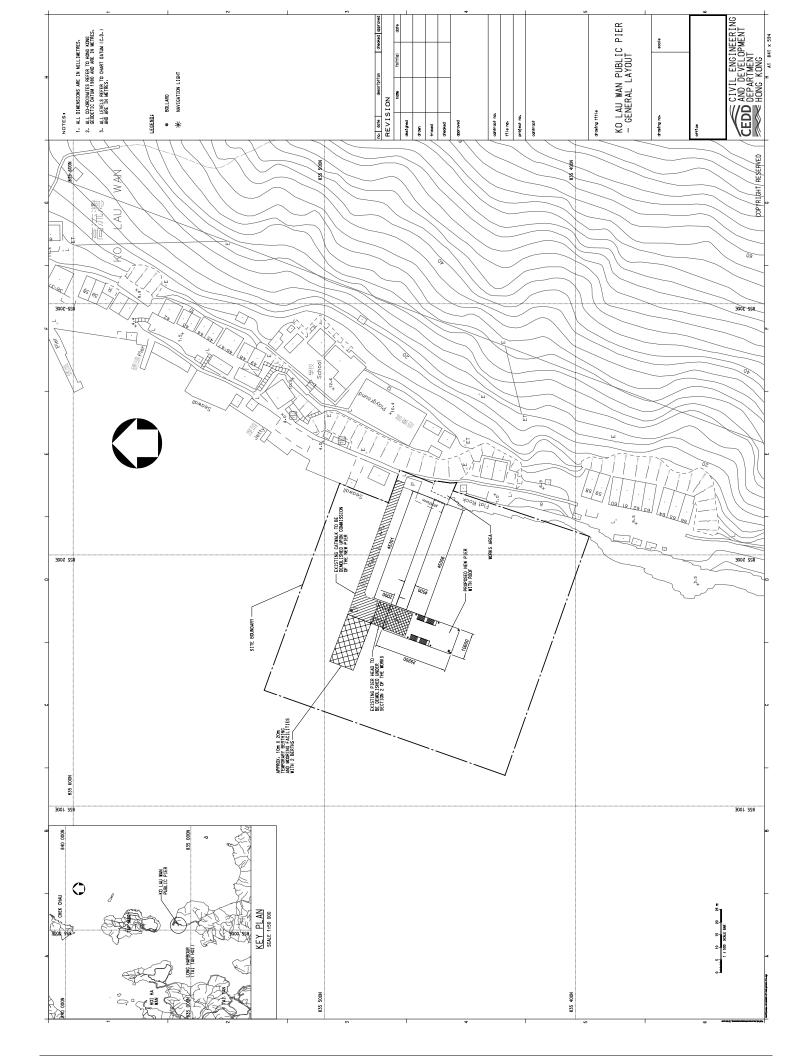
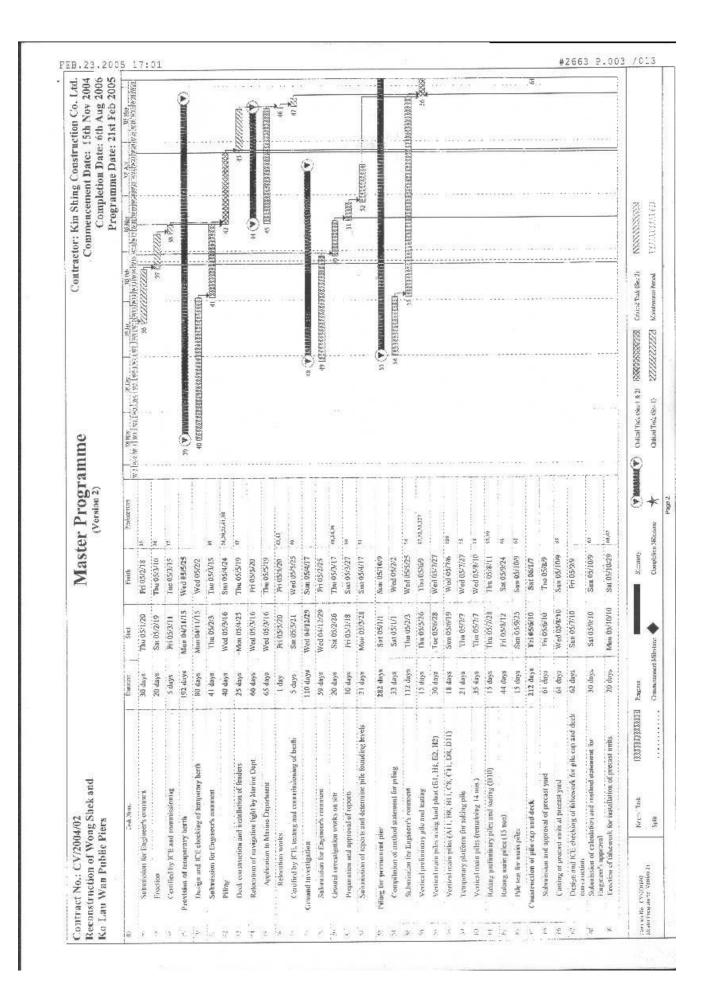




Figure 2.3

Master Construction Programme

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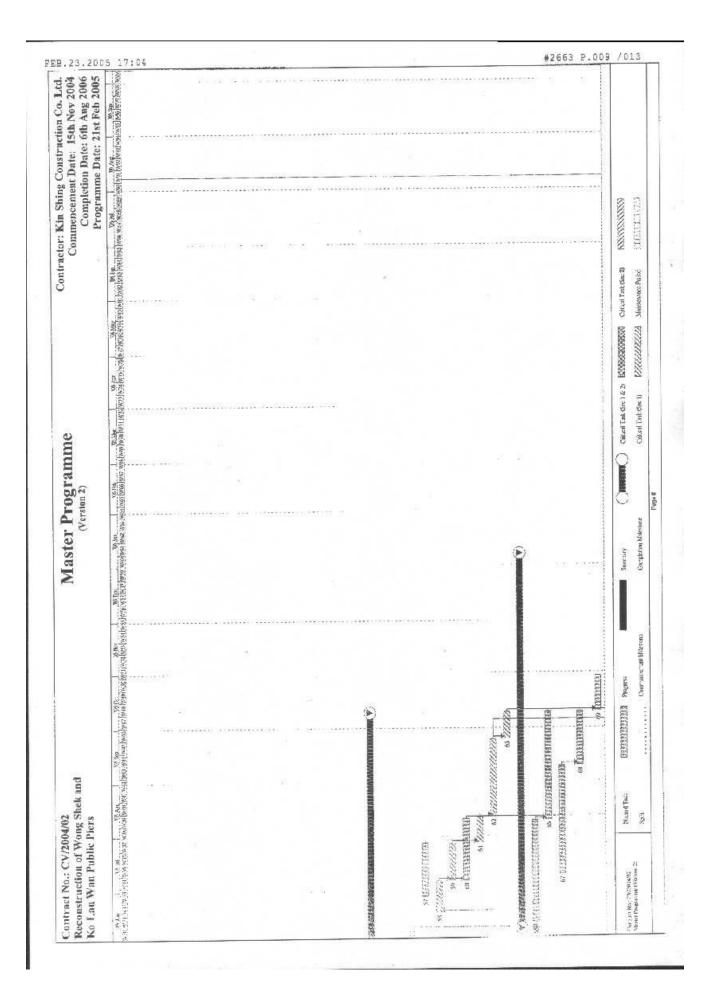
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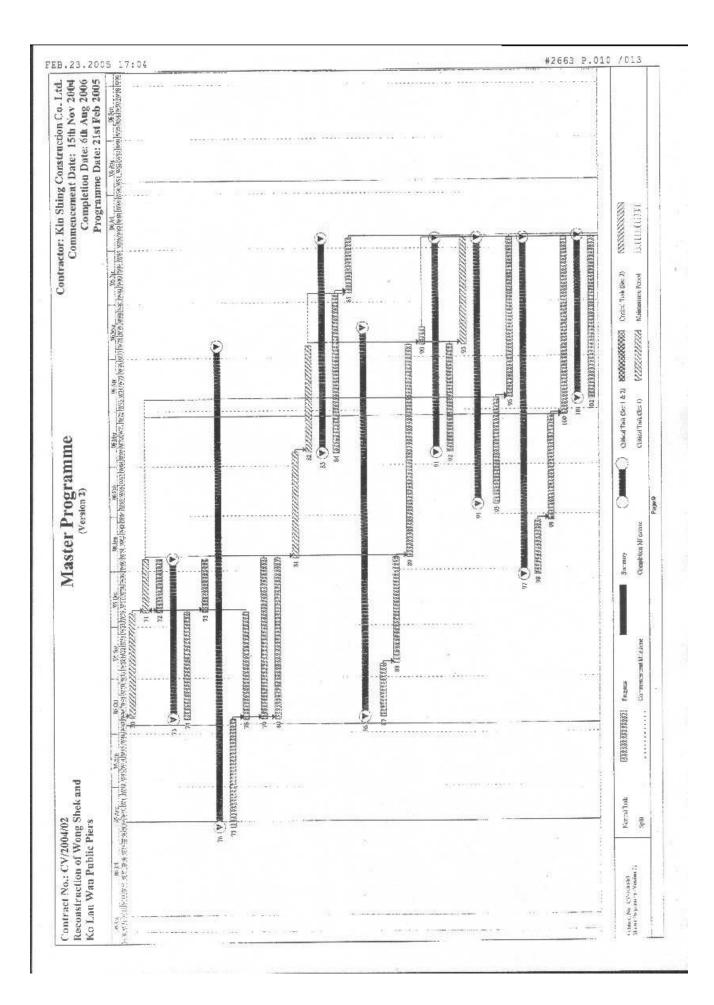
Reconstruction of Wong S Ko Lau Wan Public Piers	Contract No.: CV/2004/02 Reconstruction of Wong Shek and Ko Lau Wan Public Piers				Mas	Master Programme		Contractor: Kin Shing Construction Co. Ltd. Commencement Date: 15th Nov 2004 Completion Date: 6th Aug 2006 Programme Date: 21st Feb 2005	uction Co. Ltd. 15th Nov 2004 :: 6th Aug 2006 : 21st Feb 2005
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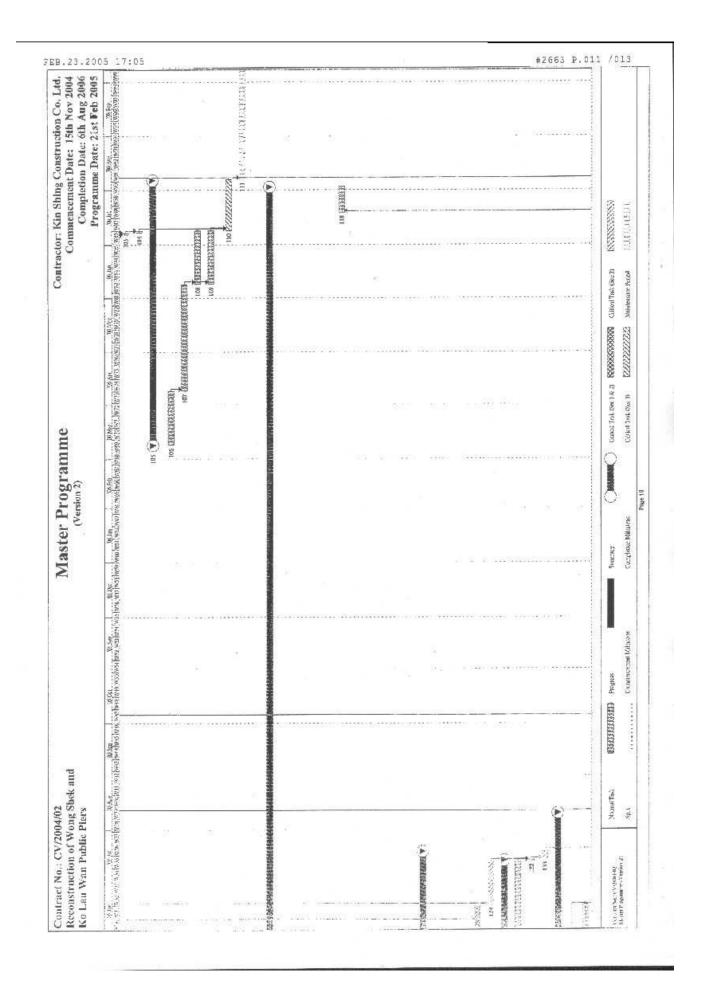
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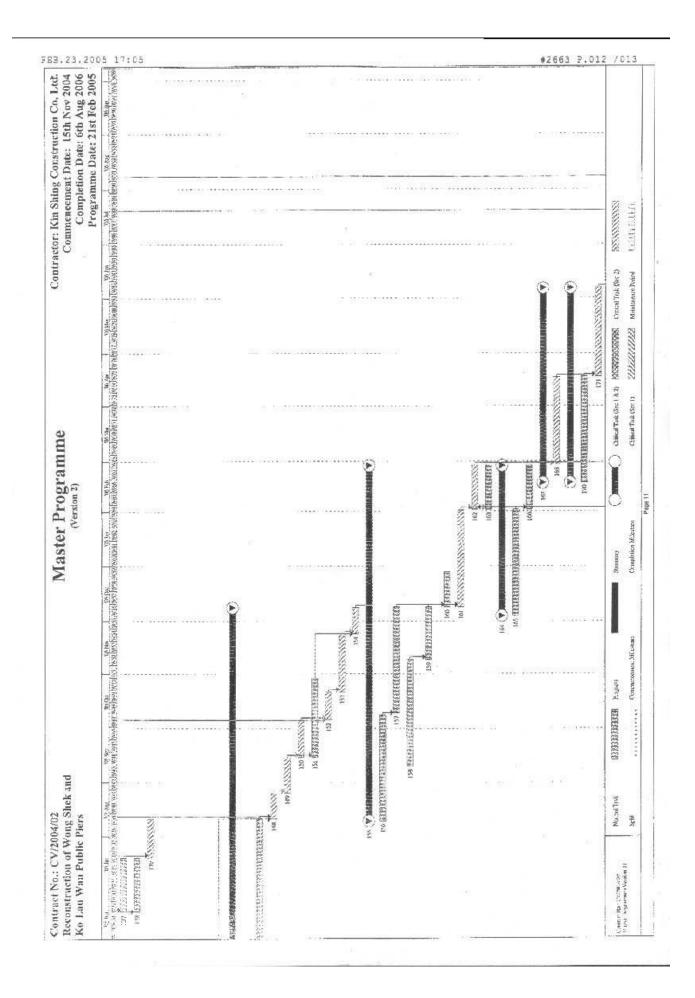
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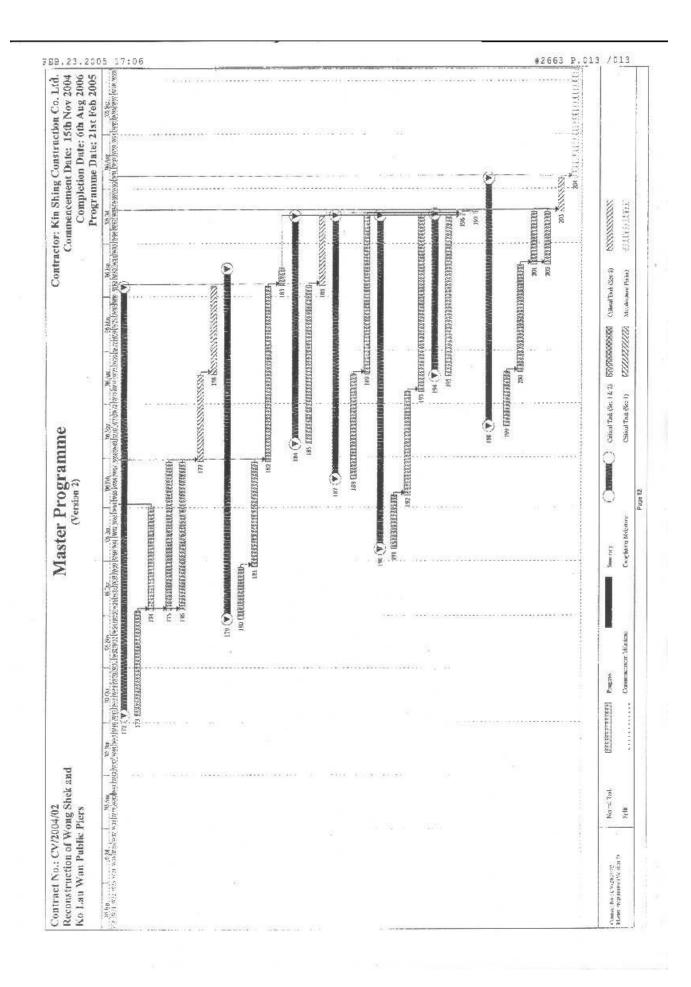




Figure 4.1

Layout of Environmental Monitoring Stations

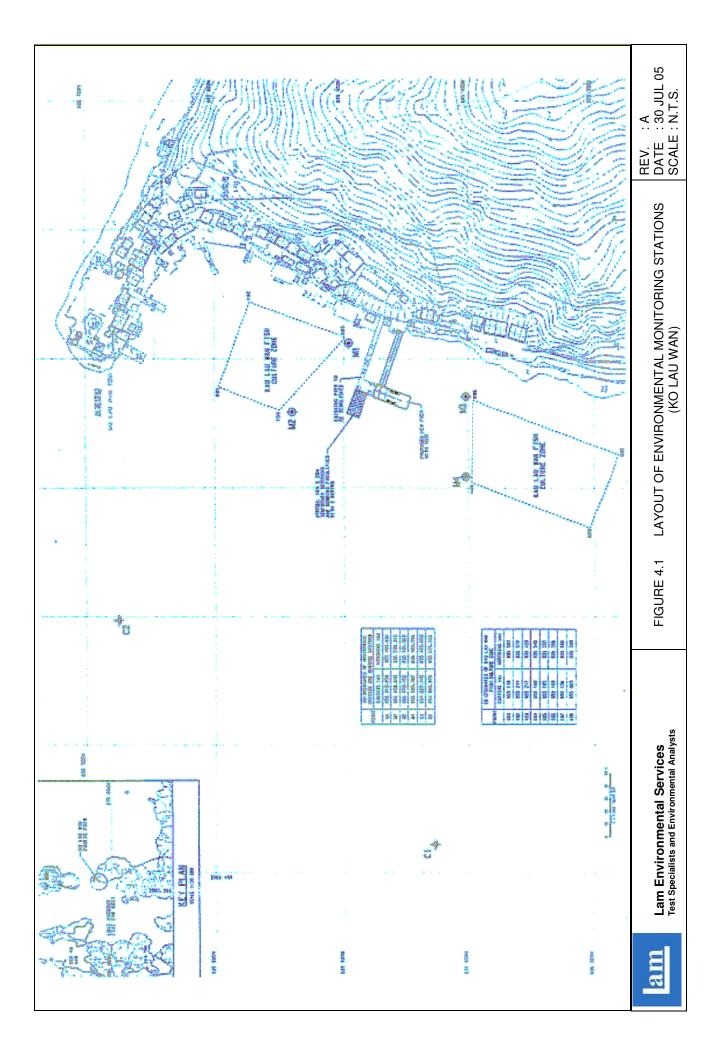
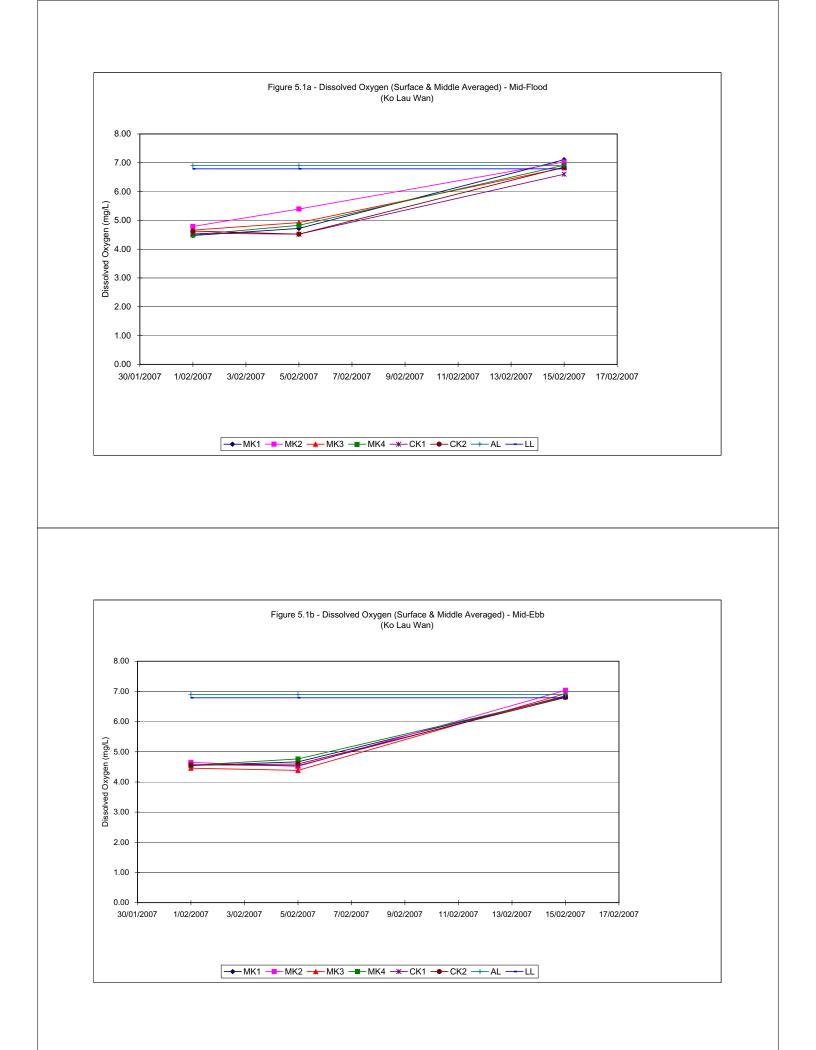
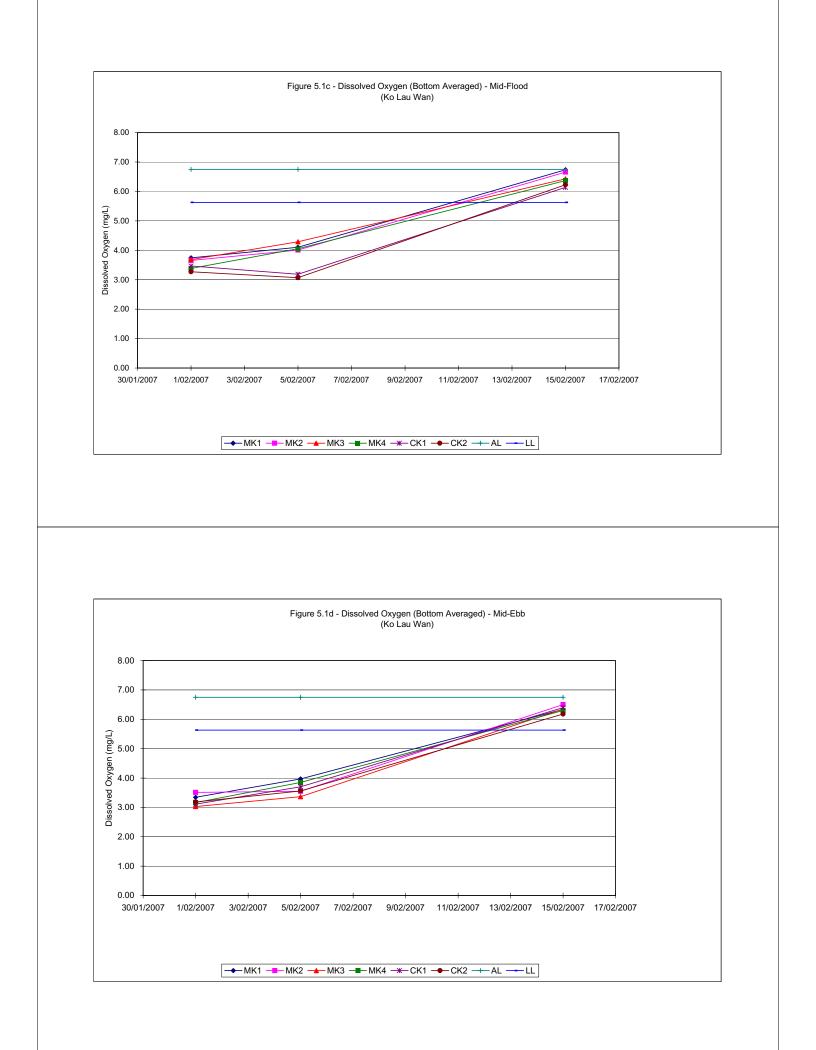


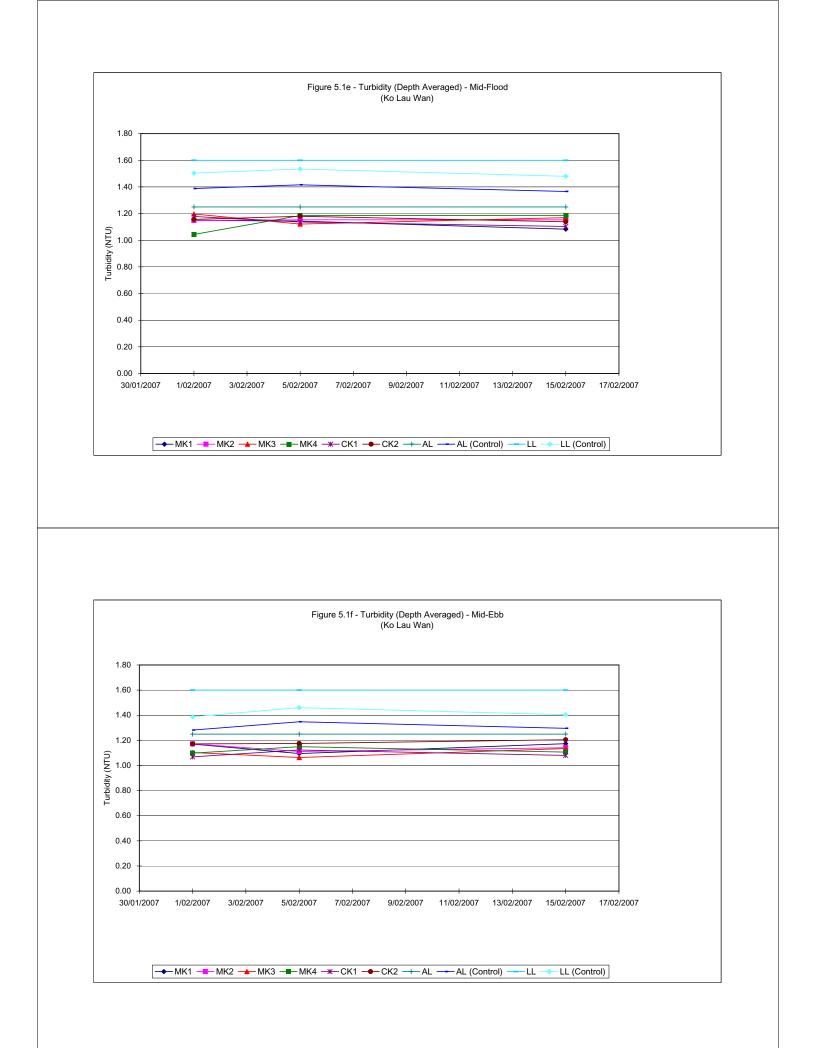


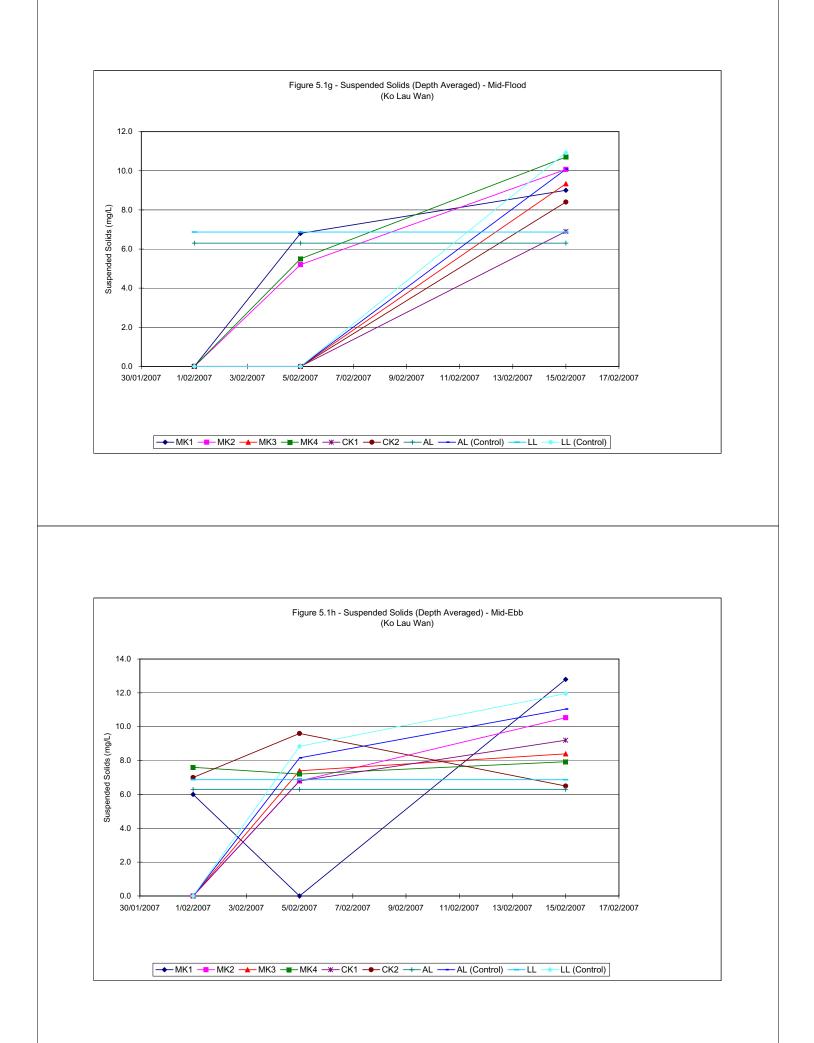
Figure 5.1a-h

Graphical Plots of Water Quality Monitoring Results











Appendix A

Organization Chart



Environmental Protection Department Project Proponent 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.	Not applicable at this stage	-
	AQ07	Stockpiles of sand, aggregate and construction and demolition material greater than 20m3 shall be enclosed on three sides, with walls extending above the pile and 2 meters beyond the front of the pile.	Not applicable at this stage	-
	AQ08	Water sprays shall be provided and used both to dampen stored materials and when receiving raw materials.	Not applicable at this stage	-
	AQ09	Clean and water the Site to minimize the fugitive dust emissions.	Implemented	-
	AQ10	Furnace, boiler or other plant or equipment or use any fuel that might in any circumstances produce smoke or any other air pollution should not be installed.	Implemented	-
Noise	N01	All plant and equipment to be used on Site are properly maintained in good operating condition and noisy construction activities shall be effectively sound-reduced by means of silencers, mufflers, acoustic linings or shields, acoustic sheds or screens or other means to avoid disturbance to any nearby noise sensitive receivers.	Implemented	-
	N02	No excavator mounted breaker shall be used within 125m from any nearby noise sensitive receivers. Use hydraulic concrete crusher whenever applicable.	Implemented	-
	N03	All construction works should stop on Sundays and General Holidays.	Implemented	-
Water Quality	WQ01	Water in wheel washing facilities shall be changed at frequent intervals and sediments shall be removed regularly.	Not applicable at this stage	-
	WQ02	The polluted water from the wheel washing facilities would not be discharged into all existing stream courses/drains and nearby waterbodies.	Not applicable at this stage	-
	WQ03	All existing stream courses and drains within, and adjacent to the Site should be kept free from any debris and any excavated materials arising from the Works	Implemented	-
	WQ04	Chemicals and concrete agitator washings should not be deposited in watercourses.	Implemented	-
	WQ05	The effluent shall comply with the standards stated in the "Technical Memorandum on Standards and Effluent discharges into Drainage and Sewerage Systems, Inland and Coastal Waters" for the appropriate Water Control Zone.	Implemented	-
	WQ06	No spoil or debris of any kind is allowed to be pushed, washed down, fall or be deposited on land or on the seabed adjacent to the Site.	Implemented	-
	WQ07	Maintain any existing site drainage system at all times including removal of solids in sand traps, manholes and stream beds.	Implemented	-
	WQ08	Material from any earthworks should not be washed into the drainage system.	Implemented	-
	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 - Ko Lau Wan



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.	Implemented	-
	W02	All metals should be recovered on site for collection by recycling contractors.	Implemented	-
	W03	All cardboard and paper packaging should be recovered on site, properly stockpiled in dry condition and covered to prevent cross contamination by other C&D materials.	Implemented	-
	W04	All demolition debris from demolition works should be sorted to recover on site broken concrete, reinforcement bars, mechanical and electrical fittings as well as other building services fittings/materials that have established recycling outlets.	Implemented	-

Implementation Schedule of Mitigation Measures - Ko Lau Wan



Appendix C

Calibration Certificates for Monitoring Equipment

Record sheet for calibration of Water Sonde

Item Sto	ock No : <u>7149</u> Da	te of Calibrati	on :	11/20	PD F	Procedure Used : IC 34
Temp.:	20°C	Operator :	Bin	1	Signature	: 7

A <u>Temperature Check</u>

Reference Equipment Used : M	ercury-in- Glass th	ermometer Stock	No.: (sl	
Reference Equipment reading :	23.2 °C	Sonde reading_	23.6	°C
Reference Equipment reading :	23, d oc	Sonde reading :	23.6	°C

(Note: Difference between the two readings to be <0.5°C.)

B DO (% Saturation) Calibration

To be performed in aerated clean sea water before use and checked after use. Difference should be less than 10%.

Laboratory Check

Zero DO check (prepared in clean sea water according to APHA 4500-O G, section 3a.)

probe reading _____ %

C <u>Conductivity (Salinity Calibration)</u>

Standards Used : 35 ppt , $_____,$ Check Standard : 35 ppt Readout Value : 34,24 ppt

Difference between readout value and actual value should be less than 3%.

D <u>Conductivity Calibration</u>		
Standards Used :,,		(mS/cm) 6/11/06
Check Standard :	Readout Value :	(mS/cm)

Difference between readout value and actual value should be less than 2%.

Lam Laboratories Limited

E <u>Turbidity Calibration</u>		
Standards Used :,	, (NTU)	
Check Standard :	Readout Value : (NT	U)
Difference between readout valu	ue and actual value should be less than 1	0%.
F pH check		
Standard Used : pH,0°	, pH <u>0,00</u> .	
Buffer standard : pH $-\frac{900}{100}$	-	
QC Check Standard : pH 9.182 .	. Readout Value : pH <u>9,15</u>	
Certified by: <u>(nda</u> Section Manager	Date : 04/11/2016	

-	,			Constant of the second s	
am		CEF	RTIFICATE O	F CALIBRAT	ION
			IN - H	OUSE	
1412 Honour Ind. Centre 6 Sun Yip St. Chai Wan Hong Kong		Date Of Issue :		Serial No : IC 42	a/ /EL
Item Being Calibra	ited : <u>Turbi</u>	dity Standards (C	Gelex) Date	Of Calibration :	22/1/07
Item Stock No :		EL4+1	Opera	ator :	minp
Environment Temp			Proce	dure No Used :) IC 42 (Revision N
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Ref. Equip.used/ S	Stock <u>No:</u>	607R003.	Gob Ros	3, 6001	2003
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				5-	

Ociex Otandards	(NTU)	(NTU)	%	%
0 - 10 NTU	45	46.5	3%	± 5
10 - 100 NTU	48	49.1	270	± 5
100 - 1000 NTU	482	463	470	± 5
Comments :	The equipment and Gelex Standards c with the Manufacturer's recommendati		עוסף	
Input data checked by :		Certifie	d by: Operations Mar) nager

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Honour Ind. Centre			IN - H	OUSE							
Yip St. Chai Wan Kong		Date Of Issue :		Serial No : IC 42	26/ /EL						
Item Being Calibrate	ed : <u>Turbí</u>	dity Standards ((Gelex) Date (Of Calibration :	22/1/07						
Item Stock No :		EL 41	Opera	ator :							
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		10	(1.2	0-7111							
		20	20.6								
			20.0								
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10 - 100 NTU		50 80	174 81	0.9963	> 0.996						
10 - 100 NTU			81	0.9963	> 0.996						
10 - 100 NTU		80	&1 /02	0.9963 0.9998	> 0.996						
		80 100	81								
100 - 1000 NTU		80 100 400 800	B1 1.52 394 Jo2 complies / does not com	0.9978							



Appendix D

Water Quality Monitoring Results

Water Quality Monitoring Data Sheet (Ko Lau Wan)

	Contract	No. CV/2004/0	2 11000113		Tong one	ik anu ku	Lau Wa				onom.	Kin Shing	Construc	50011 00.,	LIU.		Job No.:	0425	-		
Date of	Sampling:	1/2/2007		. w	leather C	ondition:	sunny				Ambie	nt Tempera	ature,°C:	19		T	Fide State:	Mid-Floo	bd		
Station	Time	Sea	Overall		Tempera					Dissolve			Salinity,		Turbidity			Suspend	ded Solid		Remarks
		Condition	Depth, m	Depth,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	18:05			1	18.6	18.6	4.90	4.92	4.47	71.3	71.4	67.1	34.6	34.6	1.38	1.24		<5.0			
MK1 M	18:08	mid wave	8	4	18.4	18.4	4.04	4.03	4.47	63.0	62.7	67.1	34.6	34.6	1.12	1.06	1.15	<5.0		<5.0	
MK1 B	18:11			7	18.3	18.3	3.76	3.73	3.75	58.4	58.3	58.4	34.8	34.7	1.05	1.05		<5.0			
MK2 S	18:15			1	18.5	18.5	5.13	5.13		71.8	71.9		34.5	34.5	0.90	1.14		<5.0			
MK2 M	18:18	mid wave	11	5.5	18.5	18.4	4.43	4.46	4.79	65.6	66.0	68.8	34.6	34.6	1.20	1.11	1.15	<5.0		<5.0	
MK2 B	18:21			10	18.4	18.2	3.66	3.65	3.66	56.3	56.4	56.4	34.7	34.7	1.28	1.26	_	<5.0			
									3.00			50.4									
MK3 S	17:45			1	18.5	18.5	5.08	5.02	4.66	71.2	71.2	67.3	34.5	34.5	1.14	1.18		<5.0			
MK3 M	17:48	mid wave	8	4	18.4	18.4	4.27	4.27		63.4	63.3		34.4	34.6	1.29	1.34	1.20	<5.0		<5.0	
MK3 B	17:51			7	18.4	18.4	3.68	3.69	3.69	56.6	56.6	56.6	34.6	34.6	1.08	1.15		<5.0			
MK4 S	17:55			1	18.5	18.5	5.00	4.96	4.50	71.0	70.7	65.8	34.5	34.5	0.88	0.99		<5.0			
MK4 M	17:58	mid wave	10	5	18.4	18.4	4.03	4.01	1.00	60.8	60.5	00.0	34.6	34.6	1.18	1.13	1.04	<5.0		<5.0	
MK4 B	18:01			9	18.3	18.3	3.38	3.39	3.39	53.7	53.8	53.8	34.7	34.7	1.06	1.02		<5.0			
CK1 S	18:35			1	18.4	18.4	4.86	4.86		69.4	69.4		34.5	34.5	1.12	1.05		<5.0			
CK1 M	18:38	mid wave	19	9.5	18.2	18.2	4.26	4.24	4.56	61.5	61.5	65.5	34.7	34.7	1.30	1.38	1.18	<5.0		<5.0	
CK1 B	18:41			8	18.1	18.1	3.47	3.47	3.47	54.1	54.3	54.2	34.6	34.7	1.12	1.10		<5.0			
CK2 S	18:25			1	18.4	18.4	5.16	5.16		71.8	71.8	=	34.5	34.5	1.15	1.34		<5.0			
		miduuouo	20						4.63			66.2					1.10			-E 0	
CK2 M	18:28	mid wave	20	10	18.2	18.2	4.09	4.10		60.8	60.5		34.6	34.6	1.08	1.20	1.16	<5.0		<5.0	
CK2 B	18:31			19	18.0	18.0	3.27	3.27	3.27	52.0	52.0	52.0	34.8	34.8	1.03	1.14		<5.0			
		Salinity Mete	r:		EM	2365 6167	•	Calibrati	on Chock:		10.4 35.3						Date:	-	Raymon 8/2/2007		
		Thermomete		truction of V	EM Vong She	6167 k and Ko	o Lau Wa				Client:	Kin Shing					Job No.:				
Date of	Sampling:	No. CV/2004/0 1/2/2007	02 Recons	truction of V	EM Vong She /eather C	6167 k and Ko ondition:) Lau Wa sunny	n Public	Piers		Client: Ambier	Kin Shing nt Tempera	ature,°C:	19		1		Mid-Ebb			
		No. CV/2004/0		truction of V W Sampling	EM Vong She /eather C	6167 k and Ko) Lau Wa sunny	n Public	Piers	Dissolve	Client: Ambier	Kin Shing nt Tempera		19		, NTU	Job No.:	Mid-Ebb			Remarks
Date of Station	Sampling: Time	No. CV/2004/0 1/2/2007 Sea	02 Recons	truction of V W Sampling Depth,m	EM Vong She reather C Tempera a	6167 ek and Ko ondition: ature, °C b) Lau Wa sunny Dissolve a	n Public d Oxyge b	Piers	Dissolve a	Client: Ambier d Oxyge b	Kin Shing nt Tempera n, %	ature,°C: Salinity, a	19 ppt b	Turbidity a	, NTU b	Job No.: Fide State:	Mid-Ebb Suspend		s, mg/L	Remarks
Date of Station MK1 S	Sampling: Time 12:30	No. CV/2004/0 1/2/2007 Sea Condition	02 Recons Overall Depth, m	truction of V W Sampling Depth,m	EM Vong She Yeather C Tempera a 18.6	6167 ek and Ko ondition: ature, °C b 18.6	Dissolve a 4.88	n Public d Oxyge b 4.88	Piers	Dissolve a 73.4	Client: Ambier d Oxyge b 73.4	Kin Shing nt Tempera n, %	ature,°C: Salinity, a 34.6	19 ppt b 34.6	Turbidity a 1.09	, NTU b 1.34	Job No.: lide State:	Mid-Ebb Suspend		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M	Sampling: Time 12:30 12:33	No. CV/2004/0 1/2/2007 Sea	02 Recons	truction of V W Sampling Depth,m 1 4	EM Vong She leather C Temper a 18.6 18.5	6167 ek and Ko ondition: ature, °C b 18.6 18.5	Dissolve a 4.88 4.20	n Public d Oxyge b 4.88 4.21	Piers n, mg/L Average 4.54	Dissolve a	Client: Ambieu d Oxyge b 73.4 67.8	Kin Shing nt Tempera n, % Average 70.5	ature,°C: Salinity, a 34.6 34.5	19 ppt b	Turbidity a	, NTU b 1.34 1.18	Job No.: Fide State:	Mid-Ebb Suspend <5.0 6		s, mg/L Depth	Remarks
Date of Station MK1 S	Sampling: Time 12:30	No. CV/2004/0 1/2/2007 Sea Condition	02 Recons Overall Depth, m	truction of V W Sampling Depth,m	EM Vong She Yeather C Tempera a 18.6	6167 ek and Ko ondition: ature, °C b 18.6	Dissolve a 4.88	n Public d Oxyge b 4.88	Piers n, mg/L Average	Dissolve a 73.4	Client: Ambier d Oxyge b 73.4	Kin Shing nt Tempera n, % Average	ature,°C: Salinity, a 34.6	19 ppt b 34.6	Turbidity a 1.09	, NTU b 1.34	Job No.: lide State:	Mid-Ebb Suspend		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M	Sampling: Time 12:30 12:33	No. CV/2004/0 1/2/2007 Sea Condition	02 Recons Overall Depth, m	truction of V W Sampling Depth,m 1 4	EM Vong She leather C Temper a 18.6 18.5	6167 ek and Ko ondition: ature, °C b 18.6 18.5	Dissolve a 4.88 4.20	n Public d Oxyge b 4.88 4.21	Piers n, mg/L Average 4.54 3.35	Dissolve a 73.4 67.2	Client: Ambieu d Oxyge b 73.4 67.8	Kin Shing nt Tempera Average 70.5 56.6	ature,°C: Salinity, a 34.6 34.5	19 ppt b 34.6 34.5	Turbidity a 1.09 1.20	, NTU b 1.34 1.18	Job No.: lide State:	Mid-Ebb Suspend <5.0 6		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B	Sampling: Time 12:30 12:33 12:36	No. CV/2004/0 1/2/2007 Sea Condition	02 Recons Overall Depth, m	truction of V W Sampling Depth,m 1 4 7	EM Vong She Veather C Temper a 18.6 18.5 18.4	6167 ek and Kc ondition: ature, °C b 18.6 18.5 18.4	Dissolve a 4.88 4.20 3.34	d Oxyge b 4.88 4.21 3.35	Piers n, mg/L Average 4.54	Dissolve a 73.4 67.2 56.6	Client: Ambien d Oxyge b 73.4 67.8 56.6	Kin Shing nt Tempera n, % Average 70.5	ature,°C: Salinity, a 34.6 34.5 34.4	19 ppt 34.6 34.5 34.4	Turbidity a 1.09 1.20 1.11	, NTU b 1.34 1.18 1.10	Job No.: lide State:	Mid-Ebb Suspend <5.0 6 <5.0		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S	Sampling: Time 12:30 12:33 12:36 12:40	No. CV/2004/(1/2/2007 Sea Condition mid wave	02 Recons Overall Depth, m 8	truction of V W Sampling Depth,m 1 4 7 1	EM Vong She leather C Tempera a 18.6 18.5 18.4 18.6	6167 ek and Ko ondition: ature, °C b 18.6 18.5 18.4 18.6	Dissolve a 4.88 4.20 3.34 5.01	n Public d Oxyge b 4.88 4.21 3.35 4.98	Piers n, mg/L Average 4.54 3.35	Dissolve a 73.4 67.2 56.6 75.0	Client: Ambier d Oxyge b 73.4 67.8 56.6 74.3	Kin Shing nt Tempera Average 70.5 56.6	ature, °C: Salinity, a 34.6 34.5 34.4 34.6	19 b 34.6 34.5 34.4 34.6	Turbidity a 1.09 1.20 1.11 1.20	, NTU b 1.34 1.18 1.10 1.19	Job No.: Fide State: Average	Mid-Ebb Suspend <5.0 6 <5.0 <5.0		s, mg/L Depth Average 6.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M	Sampling: Time 12:30 12:33 12:36 12:40 12:43	No. CV/2004/(1/2/2007 Sea Condition mid wave	02 Recons Overall Depth, m 8	truction of V W Sampling Depth,m 1 4 7 1 5	EM Vong She Yeather C Temper- a 18.6 18.5 18.4 18.6 18.5	6167 ek and Ko ondition: ature, °C b 18.6 18.5 18.4 18.6 18.5	Dissolve a 4.88 4.20 3.34 5.01 4.30	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31	Piers	Dissolve a 73.4 67.2 56.6 75.0 67.5	Client: Ambieu d Oxyge b 73.4 67.8 56.6 74.3 67.8	Kin Shing nt Tempera Average 70.5 56.6 71.2 57.9	ature, °C: Salinity, a 34.6 34.5 34.4 34.6 34.4	19 ppt 34.6 34.5 34.4 34.6 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07	, NTU b 1.34 1.18 1.10 1.19 1.09	Job No.: Fide State: Average	Mid-Ebb Suspend <5.0 6 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B	Sampling: Time 12:30 12:33 12:36 12:40 12:43 12:46	No. CV/2004/(1/2/2007 Sea Condition mid wave	02 Recons Overall Depth, m 8	truction of V W Sampling Depth,m 1 4 7 1 5 9	EM Vong She Yeather C Tempera a 18.6 18.5 18.4 18.6 18.5 18.4 18.5 18.4	6167 ek and Ko ondition: ature, °C b 18.6 18.5 18.4 18.6 18.5 18.4	Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52	Piers n, mg/L Average 4.54 3.35 4.65	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0	Client: Ambieu d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8	Kin Shing nt Tempera Average 70.5 56.6 71.2	ature, °C: Salinity, a 34.6 34.5 34.4 34.6 34.4 34.4	19 b 34.6 34.5 34.4 34.4 34.4 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30	, NTU b 1.34 1.18 1.10 1.19 1.09 1.18	Job No.: Fide State: Average	Mid-Ebb Suspend <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S	Sampling: Time 12:30 12:33 12:40 12:43 12:46 12:40	No. CV/2004// 1/2/2007 Sea Condition mid wave mid wave	02 Recons Overall Depth, m 8 10	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 1	EM Vong She Yeather C 18.6 18.5 18.4 18.6 18.5 18.4 18.5	6167 kk and Kc ondition: 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5	Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92	Piers	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8	Client: Ambiei b 73.4 67.8 56.6 74.3 67.8 57.8 57.8 73.9	Kin Shing nt Tempera Average 70.5 56.6 71.2 57.9	ature,°C: Salinity, a 34.6 34.5 34.4 34.6 34.4 34.4 34.6	19 ppt 34.6 34.5 34.4 34.4 34.4 34.4 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10	NTU b 1.34 1.18 1.10 1.19 1.09 1.18 1.20	Job No.: Fide State: 1.17 1.17	Mid-Ebb Suspend <5.0 6 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M	Sampling: Time 12:30 12:33 12:36 12:40 12:43 12:46 12:40 12:43	No. CV/2004// 1/2/2007 Sea Condition mid wave mid wave	02 Recons Overall Depth, m 8 10	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5	EM Vong She feather C Tempera a 18.6 18.5 18.4 18.6 18.5 18.4 18.5 18.4	6167 k and Kc ondition: 18.6 18.5 18.4 18.5 18.4 18.5 18.4	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0	Client: Ambieu d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1	Kin Shing nt Tempera 1, % Average 70.5 56.6 71.2 57.9 69.5	ature,°C: <u>Salinity,</u> 34.6 34.5 34.4 34.4 34.4 34.6 34.5	19 ppt 34.6 34.5 34.4 34.4 34.4 34.4 34.4 34.6 34.5	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28	, NTU b 1.34 1.18 1.10 1.19 1.09 1.18 1.20 1.09	Job No.: Fide State: 1.17 1.17	Mid-Ebb Suspend <5.0 6 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S	Sampling: Time 12:30 12:33 12:36 12:40 12:40 12:40 12:43 12:46 12:40 12:43 12:46 12:20	No. CV/2004/(1/2/2007 Sea Condition mid wave mid wave	22 Recons	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 1 3.5 6	EM Vong She eeather C Temper- a 18.6 18.5 18.4 18.6 18.5 18.4 18.5 18.3 18.3 18.3	6167 k and Kc ondition: ature, *C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.50 4.93 3.04 5.11	d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4	Client: Ambieu d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 74.4	Kin Shing nt Tempera 1, % Average 70.5 56.6 71.2 57.9 69.5	ature,°C: <u>Salinity</u> a 34.6 34.4 34.6 34.4 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5	19 ppt 34.6 34.5 34.4 34.4 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28 0.93 1.07	NTU b 1.34 1.18 1.10 1.19 1.09 1.09 1.09 1.02 0.91	Job No.: Fide State: 1.17 1.17 1.10	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S	Sampling: Time 12:30 12:33 12:36 12:40 12:20 12:20	No. CV/2004// 1/2/2007 Sea Condition mid wave mid wave	02 Recons Overall Depth, m 8 10	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 4.5	EM Vong She Peather C Temper- a 18.6 18.5 18.4 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.4 18.5	6167 k and Kc ondition: ature, °C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 1	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02	d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3	Client: Ambiel d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 74.4 65.4	Kin Shing nt Temperative 70.5 56.6 71.2 57.9 69.5 57.4	ature,°C: <u>Salinity</u> , <u>a</u> 34.6 34.4 34.4 34.4 34.4 34.5 34.4 34.5 34.5 34.5 34.5	19 ppt b 34.6 34.4 34.4 34.4 34.4 34.6 34.4 34.5 34.4 34.5 34.5 34.5	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.28 0.93 1.07 1.15	NTU b 1.34 1.18 1.10 1.19 1.18 1.10 1.19 1.09 1.18 1.20 1.09 1.02 0.91 1.27	Job No.: Fide State: 1.17 1.17	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 S MK3 B MK4 S MK4 M	Sampling: Time 12:30 12:33 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40	No. CV/2004/(1/2/2007 Sea Condition mid wave mid wave	22 Recons	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 4.5 6 1 4.5	EM Vong Shee feather C Temper- a 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.4 18.5 18.3 18.3	6167 k and Kc ondition: 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16	Piers n. mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8	Client: Ambie b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 74.4 65.4 65.4 55.9	Kin Shing nt Temperative n, % Average 70.5 56.6 71.2 57.9 69.5 57.4	ature,°C: Salinity, a 34.6 34.5 34.4 34.6 34.4 34.6 34.5 34.5 34.5 34.5 34.5	19 ppt b 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.28 0.93 1.07 1.15 1.03	NTU b 1.34 1.18 1.10 1.19 1.09 1.09 1.02 0.91 1.27 1.16	Job No.: Fide State: 1.17 1.17 1.10	Mid-Ebb Suspend <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK2 S MK2 M MK2 B MK3 M MK3 B MK3 B MK3 B MK4 S MK4 M MK4 B CK1 S	Sampling: Time 12:30 12:33 12:36 12:40 12:40 12:43 12:46 12:40 12:43 12:46 12:20 12:23 12:26 13:00	No. CV/2004/ 1/2/2007 Sea Condition mid wave mid wave mid wave	22 Reconsolution	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1	EM Vong She /eather C 1 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.4 18.5 18.3 18.4 18.5 18.3	6167 k and Kc ondition: ature, C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.33 3.98 3.04 5.11 4.02 3.17 5.06	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.02 5.11 3.02 5.11 3.97 3.16	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8 72.7	Client: Ambiel d Oxyge b 73.4 67.8 56.6 74.3 67.8 73.9 65.1 57.4 73.9 65.1 57.4 73.9 65.1 57.4 73.9 73.9	Kin Shing nt Temperative 70.5 56.6 71.2 57.9 69.5 57.4	a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4	19 ppt b 34.6 34.5 34.4 34.6 34.4 34.4 34.5 34.4 34.5 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28 0.93 1.07 1.15 1.03 0.80	NTU b 1.34 1.18 1.10 1.19 1.09 1.09 1.02 0.91 1.27 1.16 1.15	Job No.: ride State: Average 1.17 1.17 1.10 1.10	Mid-Ebb Suspens <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S MK4 S MK4 M MK4 B CK1 S CK1 M	Sampling: Time 12:30 12:33 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40 12:40	No. CV/2004/(1/2/2007 Sea Condition mid wave mid wave	22 Recons	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1 9 9	EM Vong Shee feather C Temper- a 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.4 18.5 18.3 18.3	6167 k and Kc ondition: 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16	Piers n. mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17 4.57	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8	Client: Ambiel d Oxyge b 73.4 67.8 56.6 74.3 67.8 73.9 65.1 57.4 73.9 65.1 57.4 55.9 73.0 65.7	Kin Shing nt Temperative n,% Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9 69.4	ture,°C: Salinity, a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.6 34.5 34.4 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.6	19 ppt b 34.6 34.5 34.4 34.6 34.4 34.6 34.5 34.5 34.4 34.5 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.07 1.30 1.07 1.15 1.03 0.80 0.80	NTU b 1.34 1.18 1.10 1.19 1.09 1.09 1.02 0.91 1.27 1.16	Job No.: Fide State: 1.17 1.17 1.10	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0	Remarks
Date of Station MK1 S MK1 M MK2 S MK2 M MK2 B MK3 M MK3 B MK3 B MK3 B MK4 S MK4 M MK4 B CK1 S	Sampling: Time 12:30 12:33 12:36 12:40 12:40 12:43 12:46 12:40 12:43 12:46 12:20 12:23 12:26 13:00	No. CV/2004/ 1/2/2007 Sea Condition mid wave mid wave mid wave	22 Reconsolution	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1	EM Vong She /eather C 1 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.4 18.5 18.3 18.4 18.5 18.3	6167 k and Kc ondition: ature, C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.33 3.98 3.04 5.11 4.02 3.17 5.06	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.02 5.11 3.02 5.11 3.97 3.16	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8 72.7	Client: Ambiel d Oxyge b 73.4 67.8 56.6 74.3 67.8 73.9 65.1 57.4 73.9 65.1 57.4 73.9 65.1 57.4 73.9 73.9	Kin Shing nt Temperative n.% Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9	a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4	19 ppt b 34.6 34.5 34.4 34.6 34.4 34.4 34.5 34.4 34.5 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28 0.93 1.07 1.15 1.03 0.80	NTU b 1.34 1.18 1.10 1.19 1.09 1.09 1.02 0.91 1.27 1.16 1.15	Job No.: ride State: Average 1.17 1.17 1.10 1.10	Mid-Ebb Suspens <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S MK4 S MK4 M MK4 B CK1 S CK1 M	Sampling: Time 12:30 12:33 12:40 12:40 12:40 12:40 12:40 12:40 12:20 12:20 12:23 12:26 13:00	No. CV/2004/ 1/2/2007 Sea Condition mid wave mid wave mid wave	22 Reconsolution	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1 9 9	EM Vong She feather C Tempera 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.3 18.3	6167 k and Kc ondition: ature, 'C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 1	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.50 4.93 3.04 5.11 4.02 3.17 5.06 4.07	d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16 5.06 4.10	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17 4.57 3.11	Dissolve a 73.4 67.2 56.6 67.5 58.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8 72.7 66.0	Client: Ambiel d Oxyge b 73.4 67.8 56.6 74.3 67.8 73.9 65.1 57.4 73.9 65.1 57.4 55.9 73.0 65.7	Kin Shing nt Temperative n, % Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9 69.4 55.7	ture,°C: Salinity, a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.6 34.5 34.4 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.6	19 ppt b 34.6 34.5 34.4 34.6 34.4 34.6 34.5 34.5 34.4 34.5 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.07 1.30 1.07 1.15 1.03 0.80 0.80	NTU b 1.34 1.18 1.10 1.19 1.09 1.18 1.20 1.09 1.02 0.91 1.27 1.16 1.15 1.19	Job No.: ride State: Average 1.17 1.17 1.10 1.10	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B CK1 S CK1 M CK1 B	Sampling: Time 12:30 12:33 12:46 12:40 12:43 12:46 12:40 12:43 12:46 12:20 12:23 12:26 13:00 13:03 13:03	No. CV/2004/ 1/2/2007 Sea Condition mid wave mid wave mid wave	22 Reconsolution	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 1 3.5 6 1 4.5 8 1 9 17	EM Vong She deather C Tempera 18.6 18.5 18.4 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.4 18.5 18.3 18.4 18.5 18.3 18.4 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18	6167 k and Kc ondition: ature, C b 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02 3.17 5.06 4.07 3.12	n Public b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16 5.06 4.10 3.10	Piers n. mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17 4.57	Dissolver a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 74.4 65.3 75.8 72.7 66.0 55.8	Client: Ambier d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 74.4 65.4 55.9 73.0 65.7 73.0	Kin Shing nt Temperative n,% Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9 69.4	Salinity, a 34.6 34.5 34.4 34.4 34.4 34.4 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.6 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.6 34.3 34.6 34.3	19 ppt 34.6 34.5 34.4 34.4 34.4 34.4 34.4 34.5 34.4 34.5 34.5 34.5 34.5 34.5 34.5 34.6 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28 0.93 1.07 1.15 1.03 0.80 1.07 1.07	NTU b 1.34 1.18 1.10 1.19 1.09 1.18 1.20 1.09 1.02 0.91 1.27 1.16 1.15 1.19 1.19	Job No.: ride State: Average 1.17 1.17 1.10 1.10	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B CK1 S CK1 B CK2 S	Sampling: Time 12:30 12:33 12:36 12:40 12:40 12:40 12:40 12:40 12:43 12:46 12:20 12:23 12:26 13:00 13:00 13:06 12:50	No. CV/2004/(1/2/2007 Sea Condition mid wave mid wave mid wave mid wave	22 Recons Overall Depth, m 8 10 7 9 9 18	truction of V W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1 9 17 17 17	EM Vong Shee deather C Tempera 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.4 18.5 18.3 18.3 18.5 18.3 18.5	6167 k and Kc ondition: 18.6 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18.5 18.5 18.5 18.5 18.4 18.5 18.	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02 3.17 5.06 4.07 3.12	n Public d Oxyge b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16 5.06 4.10 3.10 4.90	Piers n, mg/L Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17 4.57 3.11	Dissolver a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 74.4 65.3 72.7 66.0 55.8 71.8	Client: Ambieu b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 73.9 65.1 55.9 73.0 65.7 73.0 65.7 73.0	Kin Shing nt Temperative n, % Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9 69.4 55.7	Salinity, a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.6 34.7 34.8 34.9 34.2 34.2	19 ppl 34.6 34.5 34.4 34.6 34.5 34.4 34.6 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.5 34.2 34.2 34.2 34.2	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.10 1.28 0.93 1.07 1.15 1.03 0.80 1.07 1.17 1.07	NTU b 1.34 1.18 1.10 1.19 1.09 1.18 1.20 1.09 1.20 1.18 1.20 1.18 1.20 1.18 1.27 1.16 1.15 1.19 1.03 1.00	Job No.: Tide State: Average 1.17 1.17 1.10 1.10 1.07	Mid-Ebb Suspend <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 S MK3 M MK3 B MK4 B CK1 S CK1 M CK2 S CK2 M	Sampling: Time 12:30 12:33 12:36 12:40 12:40 12:40 12:40 12:40 12:43 12:46 12:20 12:23 12:26 13:00 13:03 13:06 12:50	No. CV/2004/(1/2/2007 Sea Condition mid wave mid wave mid wave mid wave	22 Recons Overall Depth, m 8 10 7 9 9 18	truction of V Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 3.5 6 1 4.5 8 1 4.5 8 1 9 17 7 1 9 17	EM Vong She feather C Temper- a 18.6 18.5 18.4 18.5 18.4 18.5 18.3 18.3 18.3 18.4 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3 18.5 18.3	6167 k and Kc ondition: ature, C b 18.6 18.5 18.4 18.5 18.5 18.4 18.5 18.4 18.5 18.4 18.5 18.5 18.5 18.4 18.5 18.5 18.4 18.5 18	Lau Wa sunny Dissolve a 4.88 4.20 3.34 5.01 4.30 3.50 4.93 3.98 3.04 5.11 4.02 3.17 5.06 4.07 3.12 4.91	n Public b 4.88 4.21 3.35 4.98 4.31 3.52 4.92 3.99 3.02 5.11 3.97 3.16 5.06 4.10 3.10 4.90 4.90	Piers Average 4.54 3.35 4.65 3.51 4.46 3.03 4.55 3.17 4.57 3.11 4.56	Dissolve a 73.4 67.2 56.6 75.0 67.5 58.0 73.8 65.0 57.3 74.4 65.3 55.8 71.8 68.0 55.8 71.8	Client: Ambiei d Oxyge b 73.4 67.8 56.6 74.3 67.8 57.8 73.9 65.1 57.4 73.9 65.1 55.9 73.9 65.1 55.9 73.0 65.7 73.0 65.7 73.0 65.7 73.0	Kin Shing n. % Average 70.5 56.6 71.2 57.9 69.5 57.4 69.9 55.9 69.4 55.7 69.8	Salinity, a 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.6 34.6 34.6 34.6 34.6 34.6 34.6 34.6 34.6	19 ppt 34.6 34.5 34.4 34.6 34.4 34.6 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.4 34.5 34.6 34.7 34.6 34.6 34.6 34.6	Turbidity a 1.09 1.20 1.11 1.20 1.07 1.30 1.07 1.15 1.03 0.80 1.07 1.17 1.07 1.17 1.07	NTU b 1.34 1.18 1.19 1.09 1.18 1.20 0.91 1.27 1.16 1.15 1.19 1.03	Job No.: Tide State: Average 1.17 1.17 1.10 1.10 1.07	Mid-Ebb Suspend <5.0		s, mg/L Depth Average 6.0 <5.0 <5.0 7.6	Remarks

 EM
 2365
 Calibration Check:
 10.4
 NTU
 Checked By:
 Raymond Dai

 EM
 6167
 Calibration Check:
 35.3
 ppt
 Date:
 8/2/2007
 Turbidity Meter: EM 6167 Date: Calibration Check: Salinity Meter: 35.3 ppt

8/2/2007

Thermometer:

EM 6167

Water Quality Monitoring Data Sheet (Ko Lau Wan)

.,	Contract	No. CV/2004/0	JZ NECUIS		Volig Sile	in anu nu			11010		Onern.	Kin Shing	Construc	20011 00.	LIU.		Job No.:	0.20			
Date of	Sampling:	5/2/2007		W	eather C	ondition:	sunny				Ambier	nt Tempera	ature,°C:	19		. 1	ide State:	Mid-Floc	d		
Station	Time	Sea Condition	Overall Depth, m	Sampling Denth m	Tempera a	ature, °C b	Dissolve a		n, mg/L Average	Dissolve a		n, % Average	Salinity, a	ppt b	Turbidity a	, NTU b	Average	Suspend	ded Solid	s, mg/L Depth	Remarks
					_	-	-	-		-	-		-		_	-			1	Average	
MK1 S	10:05			1	17.5	17.5	4.86	4.84	4.72	67.3	67.2	66.4	34.7	34.7	1.34	1.10		<5.0			
MK1 M	10:08	mid wave	8	4	17.3	17.3	4.59	4.58		65.6	65.4		34.9	34.9	1.11	1.19	1.14	6.8		6.8	
MK1 B	10:11			7	17.2	17.2	4.11	4.10	4.11	58.7	58.6	58.7	35.0	35.0	1.07	1.05		<5.0			
MK2 S	10:15			1	17.5	17.6	4.99	4.97	5.39	70.1	70.0	67.2	34.8	34.8	0.98	1.08		<5.0			
MK2 M	10:18	mid wave	11	5.5	17.3	17.3	4.30	7.31		64.3	64.3		34.9	34.9	1.34	1.20	1.15	5.2		5.2	
MK2 B	10:21			10	17.2	17.2	4.01	4.01	4.01	60.4	60.5	60.5	35.0	35.0	1.15	1.17		<5.0			
MK3 S	6:45			1	17.4	17.4	5.19	5.19	4.92	73.8	74.0	70.8	34.9	34.9	1.16	1.12		<5.0			
МКЗ М	6:48	mid wave	8	4	17.3	17.4	4.64	4.66	4.52	67.7	67.7	70.0	35.0	35.0	1.30	1.14	1.12	<5.0		<5.0	
MK3 B	6:51			7	17.2	17.2	4.30	4.28	4.29	62.0	62.0	62.0	35.1	35.1	1.06	0.95		<5.0			
MK4 S	6:55			1	17.4	17.4	5.17	5.17		73.0	72.6		34.9	34.9	1.43	1.20		5			
MK4 M	6:58	mid wave	10	5	17.4	17.4	4.50	4.47	4.83	66.8	66.9	69.8	34.9	34.9	1.11	1.03	1.19	<5.0		5.5	
MK4 B	7:01			9	17.2	17.2	4.06	4.05	4.06	60.7	60.5	60.6	35.1	35.1	1.20	1.14		6			
CK1 S	10:35			1	17.5	17.5	4.97	5.00		70.4	70.5		35.0	35.0	0.95	0.85		<5.0			
CK1 M	10:38	mid wave	20	10	17.2	17.2	4.06	4.06	4.52	63.8	63.8	67.1	35.2	35.2	1.18	1.15	1.14	<5.0		<5.0	
CK1 B	10:41			19	17.1	17.1	3.18	3.19	3.19	53.3	53.8	53.6	35.3	35.2	1.30	1.39		<5.0			
CK2 S	10:25			1	17.4	17.4	4.83	4.89		68.8	68.9		35.0	35.0	1.04	1.01		<5.0			
CK2 M	10:28	mid wave	21	10.5	17.2	17.2	4.20	4.16	4.52	63.0	62.7	65.9	35.2	35.2	1.28	1.39	1.18	<5.0		<5.0	
-		ind wave	21	20					2.07		-	E4.1					1.10	<5.0		10.0	
CK2 B	10:31			20	17.1	17.0	3.07	3.07	3.07	54.0	54.1	54.1	35.3	35.3	1.20	1.16		<5.0			
Equipmer	t used:	Dissolved Ox	vgen Mete	er:	EM	6167		Calibrati	on Check:		100	100%:					Sampled	By:	Cheng Y	ï	
		Turbidity Met			EM	2365			on Check:		10.2	•					Checked		Raymon		
		Salinity Mete			EM	6167			on Check:		35.5	•					Date:		12/2/200		
		ounny moto	••																		
		Thermomete			EM							ppr									
		Thermomete	er:		EM	6167						- PPr									
Project:		Thermomete		truction of V		6167		n Public				Kin Shing	Construc	ction Co.	, Ltd.		Job No.:	J429			
	Contract I		02 Recons			6167 k and Ko) Lau Wa	n Public			Client:										
	Contract I Sampling: Time	No. CV/2004/0 5/2/2007 Sea	02 Recons	W	Vong She /eather C Tempera	6167 ek and Ko ondition: ature, °C	Lau Wa cloudy Dissolve	d Oxyge	Piers	Dissolve	Client: Ambier d Oxyger	Kin Shing nt Tempera n, %	ature,°C: Salinity,	19 ppt	Turbidity	1 , NTU	Job No.: Fide State:	Mid-Ebb		s, mg/L	Remarks
Date of	Contract I Sampling: Time	No. CV/2004/0 5/2/2007 Sea	02 Recons	W	Vong She Veather C	6167 k and Ko ondition:) Lau Wa cloudy	d Oxyge	Piers		Client: Ambier d Oxyger	Kin Shing	ature,°C:	19		1	Job No.:	Mid-Ebb			Remarks
Date of	Contract I Sampling: Time	No. CV/2004/0 5/2/2007 Sea	02 Recons	W	Vong She /eather C Tempera	6167 ek and Ko ondition: ature, °C	Lau Wa cloudy Dissolve	d Oxyge	Piers n, mg/L Average	Dissolve	Client: Ambier d Oxyger	Kin Shing nt Tempera n, % Average	ature,°C: Salinity,	19 ppt	Turbidity	1 , NTU	Job No.: Fide State:	Mid-Ebb		s, mg/L Depth	Remarks
Date of Station	Contract I Sampling: Time	No. CV/2004/0 5/2/2007 Sea	02 Recons	W Sampling Depth,m	Vong She Yeather C Tempera a	6167 ek and Ko ondition: ature, °C b	b Lau Wa cloudy Dissolve a	d Oxyge b	Piers	Dissolve a	Client: Ambier d Oxyger b	Kin Shing nt Tempera n, %	ature,°C: Salinity, a	19 ppt b	Turbidity a	, NTU b	Job No.: Fide State:	Mid-Ebb Suspend		s, mg/L Depth	Remarks
Date of Station MK1 S	Contract I Sampling: Time 15:10	No. CV/2004/(5/2/2007 Sea Condition	02 Recons Overall Depth, m	Sampling Depth,m	Vong She Yeather C Tempera a 17.6	6167 ek and Ko ondition: ature, °C b 17.6	Dissolve a 5.05	d Oxyge b 5.05	Piers n, mg/L Average	Dissolve a 71.8	Client: Ambier d Oxyger b 71.9	Kin Shing nt Tempera n, % Average	ature,°C: Salinity, a 34.8	19 ppt b 34.8	Turbidity a 1.12	, NTU b 1.02	Job No.: īde State: Average	Mid-Ebb Suspend		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M	Contract I Sampling: Time 15:10 15:13	No. CV/2004/(5/2/2007 Sea Condition	02 Recons Overall Depth, m	W Sampling Depth,m 1 4	Vong She Veather C Tempera a 17.6 17.5	6167 ek and Ko ondition: ature, °C b 17.6 17.5	Dissolve a 5.05 4.28	d Oxyge b 5.05 4.28	Piers n, mg/L Average 4.67 3.97	Dissolve a 71.8 64.0	Client: Ambier d Oxygen b 71.9 64.0	Kin Shing nt Tempera Average 67.9 60.3	Salinity, a 34.8 34.9	19 ppt b 34.8 34.9	Turbidity a 1.12 1.28	, NTU b 1.02 1.12	Job No.: īde State: Average	Mid-Ebb Suspend <5.0 <5.0		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B	Contract I Sampling: Time 15:10 15:13 15:16	No. CV/2004/(5/2/2007 Sea Condition	02 Recons Overall Depth, m	W Sampling Depth,m 1 4 7	Vong She Yeather C Tempera 17.6 17.5 17.3	6167 ek and Ko ondition: ature, °C b 17.6 17.5 17.4	Dissolve a 5.05 4.28 3.97	d Oxyge b 5.05 4.28 3.97	Piers n, mg/L Average 4.67	Dissolve a 71.8 64.0 60.3	Client: Ambier d Oxyget b 71.9 64.0 60.3	Kin Shing nt Tempera n, % Average 67.9	ature,°C: Salinity, a 34.8 34.9 35.0	19 b 34.8 34.9 35.0	Turbidity a 1.12 1.28 0.93	, NTU b 1.02 1.12 1.10	Job No.: īde State: Average	Mid-Ebb Suspend <5.0 <5.0 <5.0		s, mg/L Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S	Contract I Sampling: Time 15:10 15:13 15:16 15:20	No. CV/2004/(5/2/2007 Sea Condition mid wave	Overall Depth, m 8	W Sampling Depth,m 1 4 7 1	Vong She /eather C Temper- a 17.6 17.5 17.3 17.6	6167 ek and Ko ondition: ature, °C b 17.6 17.5 17.4 17.6	Dissolve a 5.05 4.28 3.97 4.87	d Oxyge b 5.05 4.28 3.97 4.87	Piers n, mg/L Average 4.67 3.97	Dissolve a 71.8 64.0 60.3 70.4	Client: Ambier d Oxyger b 71.9 64.0 60.3 70.4	Kin Shing nt Tempera Average 67.9 60.3	ature, °C: Salinity, a 34.8 34.9 35.0 34.8	19 ppt 34.8 34.9 35.0 34.8	Turbidity a 1.12 1.28 0.93 1.23	7, NTU b 1.02 1.12 1.10 1.36	Job No.: Fide State: Average 1.10	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23	No. CV/2004/(5/2/2007 Sea Condition mid wave	Overall Depth, m 8	Sampling Depth,m 1 4 7 1 5	Vong She reather C Tempera 17.6 17.5 17.3 17.6 17.5	6167 ek and Ko ondition: ature, °C b 17.6 17.5 17.4 17.6 17.5	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16	d Oxyge b 5.05 4.28 3.97 4.87 4.16	Piers n, mg/L Average 4.67 3.97 4.52 3.55	Dissolve a 71.8 64.0 60.3 70.4 65.3	Client: Ambier b 71.9 64.0 60.3 70.4 65.0	Kin Shing nt Tempera Average 67.9 60.3 67.8 58.6	ature, °C: Salinity, a 34.8 34.9 35.0 34.8 34.8 34.9	19 ppt 34.8 34.9 35.0 34.8 34.9	Turbidity a 1.12 1.28 0.93 1.23 1.04	, NTU b 1.02 1.12 1.10 1.36 1.03	Job No.: Fide State: Average 1.10	Mid-Ebb Suspend <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26	No. CV/2004/(5/2/2007 Sea Condition mid wave	Overall Depth, m 8	Sampling Depth,m 1 4 7 1 5 9	Vong She reather C Tempera 17.6 17.5 17.3 17.6 17.5 17.4	6167 ek and Ko ondition: ature, °C b 17.6 17.5 17.4 17.6 17.5 17.4	Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56	Piers n, mg/L Average 4.67 3.97 4.52	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8	Kin Shing nt Tempera n, % Average 67.9 60.3 67.8	ature,°C: Salinity, a 34.8 34.9 35.0 34.8 34.9 35.0	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11	, NTU b 1.02 1.12 1.10 1.36 1.03 0.90	Job No.: Fide State: Average 1.10	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8	Sampling Depth,m 1 4 7 1 5 9 1	Vong She reather C Tempers a 17.6 17.5 17.3 17.6 17.5 17.4 17.7	6167 k and Kc ondition: 17.6 17.5 17.4 17.5 17.4 17.7 17.4	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91	Piers n, mg/L Average 4.67 3.97 4.52 3.55	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3	Kin Shing nt Tempera Average 67.9 60.3 67.8 58.6	ature, °C: Salinity, a 34.8 34.9 35.0 34.8 34.9 35.0 34.8	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.8	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72	7, NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03	Job No.: ide State: Average 1.10 1.11	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:53	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8	W Sampling Depth,m 1 4 7 1 5 9 9 1 3.5	Vong She feather C Tempera 17.6 17.5 17.3 17.6 17.5 17.4 17.7 17.5	6167 k and Kc ondition: 17.6 17.5 17.4 17.6 17.5 17.4 17.5 17.4 17.7	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.16 3.54 4.16 3.54 4.91 3.87	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9 57.4	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4	Kin Shing nt Tempera n, % Average 67.9 60.3 67.8 58.6 58.6 63.8	ature, °C: Salinity, a 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13	, NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03 1.09	Job No.: ide State: Average 1.10 1.11	Mid-Ebb Suspend <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK2 B MK3 S MK3 M	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:53 14:56	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8	W Sampling Depth,m 1 4 7 1 5 9 1 5 9 1 3.5 6	Vong She eather C Temper- a 17.6 17.5 17.3 17.6 17.5 17.4 17.7 17.5 17.4 17.5 17.5 17.4	6167 k and Kc ondition: 17.6 17.6 17.6 17.6 17.6 17.6 17.7 17.5 17.4 17.7 17.5	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37	d Oxyge b 5.05 4.28 3.97 4.16 3.56 4.91 3.85 3.36	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 68.9 57.4 52.0	Client: Ambieu b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1	Kin Shing nt Tempera n, % Average 67.9 60.3 67.8 58.6 58.6 63.8	ature, °C: Salinity, a 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20	7, NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03 1.09 1.21	Job No.: ide State: Average 1.10 1.11	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 S MK3 M MK3 B MK4 S	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:26 14:53 14:55 14:55 15:00 15:00	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8 10 7	W Sampling Depth,m 1 4 7 1 5 9 9 1 3.5 6 1 5 5	Vong Sheher C Tempera 17.6 17.5 17.3 17.6 17.5 17.7 17.5 17.7 17.5 17.7	6167 k and Kc ondition: 17.6 17.6 17.5 17.4 17.5 17.4 17.5 17.7 17.5 17.7 17.5 17.7 17.5	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44	d Oxyge b 5.05 4.28 3.97 4.87 4.87 4.87 4.16 3.56 4.91 3.85 5.10 4.40	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 59.9 57.4 52.0 72.1 63.7	Client: Ambier d Oxyger b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0	ature,°C: 2 Salinity, a 34.8 34.9 35.0 34.8 34.9 34.8 34.9 34.8 34.9 34.9 34.8 34.9 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.8 34.9 34.	19 pppt b 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 34.9 35.0 34.9 34.9 35.0 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 34.9 35.0 34.8 34.9 35.0 34.9 34.9 35.0 34.9 34.9 35.0 34.9 34.9 35.0 34.9 34.9 35.0 34.9	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06	NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.21 1.15 1.17	Job No.: ïde State: Average 1.10 1.11 1.06	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8 7.4	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B	Contract 1 Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:50 14:50 14:50 14:50	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8 10 7	Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9	Vong She eather C Temper- a 17.6 17.5 17.3 17.6 17.5 17.4 17.7 17.5 17.5 17.7 17.5	6167 k and Kc ondition: 17.6 17.6 17.7 17.7 17.7 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44 3.87	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 3.36 5.10 4.40 3.84	Piers n. mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 59.9 57.4 52.0 72.1 63.7 57.2	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2	Kin Shing n, % Average 67.9 60.3 58.6 58.6 52.1	ature,°C: <u>Salinity</u> , <u>a</u> 34.8 34.9 35.0 34.9 34.9 34.9 34.9 34.9 34.9 34.9 34.9 34.9 34.9 34.9 35.0	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.8 34.9 35.0 35.0 34.8 35.0 35.	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06 1.20	NTU b 1.02 1.12 1.10 1.36 1.03 1.03 1.03 1.03 1.21 1.15 1.17 1.08	Job No.: ïde State: Average 1.10 1.11 1.06	Mid-Ebb Suspenc <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8 7.4	Remarks
Date of Station MK1 S MK1 S MK1 M MK2 S MK2 M MK3 M MK3 M MK3 M MK3 M MK4 S MK4 M MK4 B CK1 S	Contract 1 Sampling: 15:10 15:13 15:20 15:23 15:26 14:50 14:50 14:50 15:00 15:03 15:06 15:06	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons Overall Depth, m 8 10 7 10	Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 5 9 1 5 9 1	Vong She eather C 1emper- a 17.6 17.5 17.6 17.5 17.6 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.3	6167 k and Kc ondition: ature, °C b 17.6 17.5 17.4 17.5 17.4 17.5 17.5 17.5 17.5 17.4 17.5 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.4 17.5 17.4 17.5 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.5 17.4 1	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.37 4.16 3.54 4.91 3.87 5.11 4.44 3.86 4.91	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 5.10 4.40 3.84 4.87	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9 57.4 52.0 72.1 63.7 57.2 68.9	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0	Salinity, a 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0	19 ppt 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 34.9	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.20 1.20 1.20 1.16	NTU b 1.02 1.12 1.10 1.36 1.03 1.09 1.21 1.15 1.17 1.08 1.14	Job No.: Tide State: Average 1.10 1.11 1.06 1.15	Mid-Ebb Suspence <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0		s, mg/L Depth Average <5.0 6.8 7.4 7.2	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 B MK2 B MK2 B MK2 B MK2 B MK3 S MK4 S MK4 S MK4 S MK4 S MK4 S MK4 S	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:53 14:56 15:00 15:00 15:00 15:40	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 8 10 7	W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 9 1 9 1 9 1 9 1 9.5	Vong She eather C Temper- a 17.6 17.5 17.3 17.6 17.5 17.4 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.3 17.4	6167 k and Kc ondition: ature, 'C b 17.6 17.5 17.4 17.6 17.5 17.4 17.5 17.7 17.5 1	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44 3.86 4.91 4.20	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 3.36 5.10 4.40 3.84 4.87 4.87 4.17	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76 3.85 4.54	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9 57.4 52.0 72.1 63.7 57.2 68.9 62.1	Client: Ambier d Oxyger b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7 68.7 62.0	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0 57.2 65.4	ature,°C: 2 Salinity, 7 a 34.8 34.9 35.0 34.8 34.9 35.0 34.9 34.9 35.0 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 3	19 ppt 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06 1.20 1.16 1.08	NTU b 1.02 1.12 1.10 1.36 1.03 1.03 1.03 1.09 1.21 1.15 1.17 1.08 1.14 0.99	Job No.: ide State: Average 1.10 1.11 1.06	Mid-Ebb Suspence <5.0		s, mg/L Depth Average <5.0 6.8 7.4	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B MK4 B CK1 S CK1 M CK1 B	Contract I Sampling: Time 15:10 15:13 15:16 15:20 15:26 14:50 14:53 14:56 15:00 15:00 15:00 15:00 15:43 15:40	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons Overall Depth, m 8 10 7 10	W Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 9 1 9 1 5 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 1 1 1	Vong She eather C Temper a 17.6 17.5 17.3 17.6 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.3	6167 k and Kc ondition: 17.6 17.6 17.5 17.4 17.5 17.4 17.5 17.7 17.7 17.5 17.7 17.5 17.7 17.7 17.5 17.7 17.7 17.5 17.7 17.7 17.5 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.7 17.1 17.7 17.1	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44 3.86 4.91 4.20 3.70	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 3.36 5.10 4.40 3.84 4.87 4.17 3.70	Piers n. mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76 3.85	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 58.3 59.9 57.4 52.0 72.1 63.7 57.2 68.9 62.1 56.1	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7 62.0 56.0	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0 57.2	ature,°C: a Salinity, y a 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 35.0 34.9 35.0	19 ppt b 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06 1.20 1.16 1.08 1.08 1.08	NTU b 1.02 1.12 1.10 1.36 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	Job No.: Tide State: Average 1.10 1.11 1.06 1.15	Mid-Ebb Suspence <5.0		s, mg/L Depth Average <5.0 6.8 7.4 7.2	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B CK1 S CK1 B CK2 S	Contract 1 Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:50 14:50 14:50 15:00 15:03 15:06 15:03 15:06 15:40 15:43 15:46	No. CV/2004/(5/2/2007 Sea Condition mid wave mid wave mid wave mid wave	02 Recons Overall Depth, m 8 10 7 10 19	Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 3.5 6 1 5 9 1 9.5 18 1	Vong She eather C Temper- a 17.6 17.5 17.3 17.6 17.5 17.4 17.7 17.5 17.7 17.5 17.3 17.4 17.2 17.4 17.2 17.1	6167 k and Kc ondition: 17.6 17.6 17.7 17.5 17.4 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.5 17.5 17.4 17.5 17.7 17.5 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44 3.86 4.91 4.20 3.70 4.87	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 5.10 4.40 3.84 4.87 4.17 3.70 4.87	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76 3.85 4.54	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9 57.4 52.0 72.1 63.7 57.2 68.9 62.1 56.1 70.0	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7 62.0 56.1 69.5	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0 57.2 65.4	ature,°C: 2 Salinity, y a 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 34.9 35.0 34.7 35.0 3	19 ppt b 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 35.0 35.1 35.1 34.8	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06 1.20 1.16 1.08 1.20	NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03 1.09 1.21 1.15 1.17 1.08 1.14 0.99 1.17	Job No.: Tide State: Average 1.10 1.11 1.06 1.15 1.12	Mid-Ebb Suspence <5.0		s, mg/L Depth Average <5.0 6.8 7.4 7.2 6.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 M MK3 M MK3 M MK3 M MK4 B CK1 S CK1 M CK2 S CK2 M	Contract 1 Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:50 14:50 14:50 14:50 15:00 15:03 15:06 15:40 15:30	No. CV/2004// 5/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons Overall Depth, m 8 10 7 10	Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 5 9 1 5 9 1 9 1 9 1 9.5 18 1 9.5	Vong She eather C Temperc. a 17.6 17.5 17.3 17.6 17.5 17.6 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.3 17.4 17.2 17.4 17.2 17.1 17.4	6167 k and Kc ondition: ature, C b 17.6 17.7 17.5 17.4 17.7 17.5 17.4 17.7 17.5 17.7 17.5 17.4 17.7 17.5 17.4 17.7 17.5 17.4 17.7 17.5 17.4 17.7 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.2 17.4 17.2 17.4 17.2	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 5.11 4.44 3.86 4.91 4.20 3.70 4.87 4.87	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.85 3.36 5.10 4.40 3.84 4.87 4.17 3.70 4.88 4.30	Piers Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76 3.85 4.54 3.70 4.60	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 68.9 57.4 52.0 72.1 63.7 57.2 68.9 62.1 56.1 70.0 62.3	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7 62.0 56.1 68.5 62.4	Kin Shing nt Temperative n, % Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0 57.2 65.4 56.1 66.1	ature,°C: <u>a</u> <u>a</u> 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.8 35.0 34.8 34.8 34.8 35.0 35.0 34.8 34.	19 ppt b 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 35.0 35.1 34.8 35.0 35.1	Turbidity a 1.12 1.28 0.93 1.23 1.24 1.06 1.20 1.16 1.20 1.16 1.20	NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03 1.09 1.21 1.15 1.17 1.08 1.14 0.99 1.17 1.08 1.17	Job No.: Tide State: Average 1.10 1.11 1.06 1.15	Mid-Ebb Suspence <5.0		s, mg/L Depth Average <5.0 6.8 7.4 7.2	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B CK1 S CK1 B CK2 S	Contract 1 Sampling: Time 15:10 15:13 15:16 15:20 15:23 15:26 14:50 14:50 14:50 14:50 15:00 15:03 15:06 15:03 15:06 15:40 15:43 15:46	No. CV/2004/(5/2/2007 Sea Condition mid wave mid wave mid wave mid wave	02 Recons Overall Depth, m 8 10 7 10 19	Sampling Depth,m 1 4 7 1 5 9 1 3.5 6 1 5 9 1 3.5 6 1 5 9 1 9.5 18 1	Vong She eather C Temper- a 17.6 17.5 17.3 17.6 17.5 17.4 17.7 17.5 17.7 17.5 17.3 17.4 17.2 17.4 17.2 17.1	6167 k and Kc ondition: 17.6 17.6 17.7 17.5 17.4 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.4 17.5 17.5 17.5 17.5 17.4 17.5 17.7 17.5 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.7 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.4 17.5 17.	Lau Wa cloudy Dissolve a 5.05 4.28 3.97 4.87 4.16 3.54 4.91 3.87 3.37 5.11 4.44 3.86 4.91 4.20 3.70 4.87	d Oxyge b 5.05 4.28 3.97 4.87 4.16 3.56 4.91 3.85 5.10 4.40 3.84 4.87 4.17 3.70 4.87	Piers n, mg/L Average 4.67 3.97 4.52 3.55 4.39 3.37 4.76 3.85 4.54 3.70	Dissolve a 71.8 64.0 60.3 70.4 65.3 58.3 69.9 57.4 52.0 72.1 63.7 57.2 68.9 62.1 56.1 70.0	Client: Ambier b 71.9 64.0 60.3 70.4 65.0 58.8 70.3 57.4 52.1 72.1 64.1 57.2 68.7 62.0 56.1 69.5	Kin Shing nt Temperative Average 67.9 60.3 67.8 58.6 63.8 52.1 68.0 57.2 65.4 56.1	ature,°C: 2 Salinity, y a 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 34.9 35.0 34.7 35.0 3	19 ppt b 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.8 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 34.9 35.0 35.0 35.1 35.1 34.8	Turbidity a 1.12 1.28 0.93 1.23 1.04 1.11 0.72 1.13 1.20 1.24 1.06 1.20 1.16 1.08 1.20	NTU b 1.02 1.12 1.10 1.36 1.03 0.90 1.03 1.09 1.21 1.15 1.17 1.08 1.14 0.99 1.17	Job No.: Tide State: Average 1.10 1.11 1.06 1.15 1.12	Mid-Ebb Suspence <5.0		s, mg/L Depth Average <5.0 6.8 7.4 7.2 6.8	Remarks

EM 6167
 EM
 2365
 Calibration Check:
 10.2
 NTU
 Checked By:
 Raymond Dai

 EM
 6167
 Calibration Check:
 35.5
 ppt
 Date:
 12/2/2007
 Turbidity Meter: Date: Calibration Check: 35.5 ppt Salinity Meter:

12/2/2007

Thermometer:

Water Quality Monitoring Data Sheet (Ko Lau Wan)

,	Contract	No. CV/2004/	JZ NECONS		Volig Sile	anu nu	Lau Wa		1 1010		Glient.	Kin Shing	Construc	CUON CO.	Llu.		Job No.:	J429	•		
Date of	Sampling:	15/2/2007		w	eather C	ondition:	sunny				Ambie	nt Tempera	ature,°C:	21		٦	Fide State:	Mid-Floo	bd	-	
Station	Time	Sea	Overall			ature, °C				Dissolve			Salinity,		Turbidity		1.	Suspen	ded Solid		Remarks
		Condition	Depth, m	Deptn,m	а	b	а	b	Average	а	b	Average	а	b	а	b	Average			Depth Average	
MK1 S	16:00			1	19.0	19.0	7.20	7.20	7.11	104.4	104.3	102.1	35.4	35.4	1.16	1.11		<5.0			
MK1 M	16:03	mid wave	7	3.5	18.7	18.7	6.99	7.03		99.5	100.1		35.3	35.3	1.05	1.05	1.08	10		9.0	
MK1 B	16:06			6	18.5	18.5	6.73	6.74	6.74	93.7	93.7	93.7	35.3	35.3	0.97	1.16		8			
MK2 S	16:10			1	19.1	19.1	7.13	7.13	7.00	100.5	100.6		35.2	35.2	1.19	1.24		13			
MK2 M	16:13	mid wave	10	5	18.9	18.9	6.92	6.92	7.03	99.4	99.2	99.9	35.3	35.3	1.06	1.13	1.15	8		10.1	
MK2 B	16:16			9	18.6	18.6	6.64	6.68	6.66	95.3	95.3	95.3	35.4	35.4	1.15	1.15		9.2		1	
MK3 S	15:40			1	19.4	19.4	6.95	6.95		101.3	101.3		35.1	35.1	1.18	1.05		10			
МКЗ М	15:43	mid wave	7	3.5	19.0	19.0	6.70	6.70	6.83	100.6	100.4	100.9	35.3	35.3	1.02	1.09	1.17	11		9.3	
MK3 B	15:46			6	18.8	18.7	6.43	6.43	6.43	97.2	97.2	97.2	35.5	35.5	1.38	1.30		7			
MK4 S	15:50			1	19.3	19.3	7.02	7.00		95.6	95.6	-	35.1	35.1	1.26	1.17		<5.0			
MK4 M	15:53	mid wovo	9	4.5	19.0	19.0	6.83	6.81	6.92	94.9	95.3	95.4	35.3	35.3	1.30	1.04	1.19	6.4		10.7	
-		mid wave	э						6.37			93.5					1.19			10.7	
MK4 B	15:56			8	18.7	18.7	6.37	6.37	0.3/	93.7	93.3	J3.5	35.4	35.4	1.07	1.28		15			
CK1 S	16:30			1	19.2	19.2	6.88	6.88	6.60	104.5	104.5	101.3	35.2	35.2	1.06	1.15		5.6			
CK1 M	16:33	mid wave	20	10	18.8	18.8	6.32	6.32		98.2	98.0		35.5	35.5	1.30	1.15	1.10	8.2		6.9	
CK1 B	16:36			19	18.0	18.0	6.14	6.14	6.14	95.6	95.6	95.6	35.6	35.6	1.01	0.95		<5.0			
CK2 S	16:20			1	19.2	19.2	7.14	7.10	6.85	106.6	106.6	101.7	35.1	35.0	1.06	1.34		<5.0			
CK2 M	16:23	mid wave	20	10	18.7	18.7	6.58	6.58		96.8	96.7		35.4	35.4	1.28	1.16	1.14	8.4		8.4	
CK2 B	16:26			19	18.0	18.0	6.23	6.23	6.23	94.5	94.5	94.5	35.8	35.8	1.04	0.95		<5.0			
Equipmer	t used:	Dissolved Ox	vgen Mete	er:	EM	6167		Calibrati	on Check:			100%:					Sampled	By:	Cheng \	Yi	
		Turbidity Met	er:		EM	2365		Calibrati	on Check:		9.8	NTU					Checked	By:	Raymor	nd Dai	
		Salinity Mete	r:		EM	6167		Calibrati	on Check:		34.9	ppt					Date:		22/2/200	07	
		-																			
		Thermomete	er:		EM	6167															
Drojest	Contract							n Dublia	Diere		Client	Via China	Constru	ation Co.	1 44		lob No :	1400			
		No. CV/2004/		truction of V	Vong She	ek and Ko		n Public	Piers			Kin Shing					Job No.:				
Date of	Sampling:	No. CV/2004/	02 Recons	truction of V	Vong She leather C	ek and Ko	sunny				Ambie	nt Tempera	ature,°C:	21		1	Job No.: Fide State:	Mid-Ebb		-	0
		No. CV/2004/		truction of V	Vong She leather C	ek and Ko	sunny			Dissolve	Ambier d Oxyge	nt Tempera		21		1		Mid-Ebb	ded Solid	Depth	Remarks
Date of Station	Sampling: Time	No. CV/2004/I 	02 Recons	truction of V W Sampling Depth,m	Vong She Yeather C Temper a	ek and Ko ondition: ature, °C b	sunny Dissolve a	d Oxyge b	n, mg/L	а	Ambier d Oxyge b	nt Tempera n, %	ature,°C: Salinity, a	21 ppt b	Turbidity a	, NTU b	Fide State:	Mid-Ebb			Remarks
Date of Station MK1 S	Sampling: Time 12:50	No. CV/2004/ 15/2/2007 Sea Condition	02 Recons Overall Depth, m	Sampling Depth,m	Vong She Yeather C Temper a 19.3	ek and Ko ondition: ature, "C b 19.3	sunny Dissolve a 6.95	d Oxyge b 6.95	n, mg/L	a 103.3	Ambier d Oxyge b 103.0	nt Tempera n, %	ature,°C: Salinity, a 35.2	21 ppt b 35.2	Turbidity a 1.34	, NTU b 1.10	Fide State: Average	Mid-Ebb Suspend		Depth Average	Remarks
Date of Station MK1 S MK1 M	Sampling: Time 12:50 12:53	No. CV/2004/I 	02 Recons	Sampling Depth,m	Vong She Veather C Temper a 19.3 19.1	ek and Ko ondition: ature, °C b 19.3 19.1	sunny Dissolve a 6.95 6.72	d Oxyge b 6.95 6.72	n, mg/L Average 6.84	a 103.3 99.8	Ambier d Oxyger b 103.0 99.8	nt Tempera n, % Average 101.5	ature,°C: Salinity, a 35.2 35.4	ppt b 35.2 35.4	Turbidity a 1.34 1.06	, NTU b 1.10 1.20	Fide State:	Mid-Ebb Suspend 16 7.4		Depth	Remarks
Date of Station MK1 S MK1 M MK1 B	Sampling: Time 12:50 12:53 12:56	No. CV/2004/ 15/2/2007 Sea Condition	02 Recons Overall Depth, m	Sampling Depth,m 1 3 5	Vong She leather C Temper a 19.3 19.1 18.9	ek and Ko ondition: ature, °C b 19.3 19.1 18.9	sunny Dissolve a 6.95 6.72 6.34	d Oxyge b 6.95 6.72 6.34	n, mg/L Average	a 103.3 99.8 97.2	Ambier d Oxyge b 103.0 99.8 97.2	nt Tempera n, % Average	ature,°C: Salinity, a 35.2 35.4 35.7	21 ppt 35.2 35.4 35.7	Turbidity a 1.34 1.06 1.15	, NTU b 1.10 1.20 1.19	Fide State: Average	Mid-Ebb Suspend 16 7.4 15		Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S	Sampling: Time 12:50 12:53 12:56 13:00	No. CV/2004// 15/2/2007 Sea Condition mid wave	Overall Depth, m 6	W Sampling Depth,m 1 3 5 1	Vong She leather C Temper a 19.3 19.1 18.9 19.2	ek and Ko ondition: ature, °C b 19.3 19.1 18.9 19.2	sunny Dissolve a 6.95 6.72 6.34 7.10	d Oxyge b 6.95 6.72 6.34 7.10	n, mg/L Average 6.84	a 103.3 99.8 97.2 105.6	Ambier d Oxyge b 103.0 99.8 97.2 105.6	nt Tempera n, % Average 101.5	ature,°C: Salinity, a 35.2 35.4 35.7 35.3	21 ppt 35.2 35.4 35.7 35.3	Turbidity a 1.34 1.06 1.15 1.40	, NTU b 1.10 1.20 1.19 1.30	Average	Mid-Ebb Suspend 16 7.4 15 13		Depth Average 12.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M	Sampling: Time 12:50 12:53 12:56 13:00 13:03	No. CV/2004/ 15/2/2007 Sea Condition	02 Recons Overall Depth, m	Sampling Depth,m 1 3 5 1 4.5	Vong She feather C Temper a 19.3 19.1 18.9 19.2 19.0	ek and Ko ondition: ature, °C b 19.3 19.1 18.9 19.2 19.0	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99	d Oxyge b 6.95 6.72 6.34 7.10 6.95	n, mg/L Average 6.84 6.34 7.04	a 103.3 99.8 97.2 105.6 101.3	Ambien d Oxyge b 103.0 99.8 97.2 105.6 101.4	nt Tempera n, % Average 101.5 97.2 103.5	ature, °C: Salinity, a 35.2 35.4 35.7 35.3 35.3	21 ppt 35.2 35.4 35.7 35.3 35.3 35.6	Turbidity a 1.34 1.06 1.15 1.40 1.06	, NTU b 1.10 1.20 1.19 1.30 1.12	Fide State: Average	Mid-Ebb Suspend 16 7.4 15 13 7.6		Depth Average	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06	No. CV/2004// 15/2/2007 Sea Condition mid wave	Overall Depth, m 6	Sampling Depth,m 1 3 5 1 4.5 8	Vong She Yeather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6	ek and Ko ondition: ature, "C b 19.3 19.1 18.9 19.2 19.0 18.7	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50	n, mg/L Average 6.84 6.34	a 103.3 99.8 97.2 105.6 101.3 96.6	Ambiel d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6	nt Tempera Average 101.5 97.2	ature,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93	, NTU b 1.10 1.20 1.19 1.30 1.12 1.04	Average	Mid-Ebb Suspend 16 7.4 15 13 7.6 11		Depth Average 12.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M	Sampling: Time 12:50 12:53 12:56 13:00 13:03	No. CV/2004// 15/2/2007 Sea Condition mid wave	Overall Depth, m 6	Sampling Depth,m 1 3 5 1 4.5	Vong She feather C Temper a 19.3 19.1 18.9 19.2 19.0	ek and Ko ondition: ature, °C b 19.3 19.1 18.9 19.2 19.0	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99	d Oxyge b 6.95 6.72 6.34 7.10 6.95	n, mg/L Average 6.84 6.34 7.04	a 103.3 99.8 97.2 105.6 101.3	Ambien d Oxyge b 103.0 99.8 97.2 105.6 101.4	nt Tempera n, % Average 101.5 97.2 103.5	ature, °C: Salinity, a 35.2 35.4 35.7 35.3 35.3	21 ppt 35.2 35.4 35.7 35.3 35.3 35.6	Turbidity a 1.34 1.06 1.15 1.40 1.06	, NTU b 1.10 1.20 1.19 1.30 1.12	Average	Mid-Ebb Suspend 16 7.4 15 13 7.6		Depth Average 12.8 10.5	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06	No. CV/2004// 15/2/2007 Sea Condition mid wave	Overall Depth, m 6	Sampling Depth,m 1 3 5 1 4.5 8	Vong She Yeather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6	ek and Ko ondition: ature, "C b 19.3 19.1 18.9 19.2 19.0 18.7	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50	n, mg/L Average 6.84 6.34 7.04 6.50	a 103.3 99.8 97.2 105.6 101.3 96.6	Ambiel d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6	nt Tempera n, % Average 101.5 97.2 103.5 96.6	ature,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93	, NTU b 1.10 1.20 1.19 1.30 1.12 1.04	Average	Mid-Ebb Suspend 16 7.4 15 13 7.6 11		Depth Average 12.8	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06 12:30	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 6 9	Sampling Depth,m 1 3 5 1 4.5 8 1	Vong She reather C 19.3 19.1 18.9 19.2 19.0 18.6 19.0	ek and Ko ondition: ature, °C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04	n, mg/L Average 6.84 6.34 7.04 6.50	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3	Ambien d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3	nt Tempera n, % Average 101.5 97.2 103.5 96.6	ature,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8 35.8 35.1	21 ppt 35.2 35.4 35.7 35.3 35.6 35.6 35.8 35.1	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17	, NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.04	Average 1.17 1.14	Mid-Ebb Suspend 16 7.4 15 13 7.6 11 8.2		Depth Average 12.8 10.5	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06 12:30 12:33	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 6 9	Sampling Depth,m 1 3 5 1 4.5 8 1 3	Vong She feather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 19.0	ek and Ko ondition: ature, "C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 19.0	Sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9	Ambier d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0	ature,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8 35.8 35.1 35.5	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.8 35.1 35.5	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29	, NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.15	Average 1.17 1.14	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6		Depth Average 12.8 10.5	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK2 B MK3 S MK3 M	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06 12:30 12:33 12:36	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave	Overall Depth, m 6 9	truction of V Sampling Depth,m 1 3 5 1 4.5 8 1 3 3 5	Vong She feather C 1 emper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 19.0 19.0 18.5	ek and Kco ondition: 19.3 19.1 19.2 19.0 18.7 19.0 19.0 19.0 19.0	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36	n, mg/L Average 6.84 6.34 7.04 6.50 6.93	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0	Ambies d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6	ature,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8 35.8 35.1 35.5 35.9	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.8 35.1 35.5 35.9	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06	NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.15 1.10	Average 1.17 1.14	Mid-Ebb Suspend 16 7.4 15 13 7.6 11 8.2 9.6 7.4		Depth Average 12.8 10.5	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S	Sampling: Time 12:50 12:53 12:56 13:00 13:00 13:06 12:30 12:30 12:36 12:40	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 4.5 8 1 3 5 5 1	Vong She feather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.1	and Kc ondition: ature, C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.7 19.0 18.7 19.0 18.5 19.1	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.84 6.88	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.89 6.89	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0	ature,°C: <u>Salinity</u> <u>a</u> 35.2 35.4 35.7 35.3 35.6 35.8 35.6 35.9 35.9 35.2	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.6 35.8 35.5 35.9 35.2	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16	NTU D b 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.15 1.10 1.03 1.03	Fide State: Average 1.17 1.14 1.14	Mid-Ebb Suspend 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4		Depth Average 12.8 10.5 8.4	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 B MK3 S MK3 S MK3 M MK3 B MK4 S	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:06 12:30 12:33 12:36 12:40 12:43	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons	struction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 3 5 1 3 5 1 3 5 1 5	Vong She eather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.5 19.1 18.9	k and Kc ondition: alure, °C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.5 19.1 18.9	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.88 6.75	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.80 6.89 6.75	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35 6.82 6.30	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7	ature, °C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.8 35.5 35.5 35.9 35.2 35.2 35.2 35.4 35.5 35.5 35.2	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.5 35.9 35.2 35.5	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09	NTU D 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.15 1.10 1.30 1.30 1.30	Fide State: Average 1.17 1.14 1.14	Mid-Ebb Suspenn 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6		Depth Average 12.8 10.5 8.4	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 M MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:03 13:06 12:30 12:30 12:30 12:30 12:30 12:40 12:43	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	02 Recons	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 3 5 1 5 1 5 9	Vong She eather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.1 18.9 18.7	k and Kc ondition: ature, °C 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.5 19.1 18.9 18.7 18.9	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.88 6.75 6.30	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36 6.38 6.36 6.39	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35 6.82	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5	Salinity. a 35.2 35.4 35.7 35.8 35.6 35.1 35.5 35.9 35.4 35.4	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.9 35.5 35.9 35.2 35.5 35.9	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06	NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.15 1.10 1.03 1.30 1.00	Fide State: Average 1.17 1.14 1.14	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8		Depth Average 12.8 10.5 8.4	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 M MK3 M MK3 M MK3 M MK4 S MK4 M MK4 B CK1 S	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:03 12:30 12:33 12:36 12:40 12:43 12:44 13:24	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	Overall Depth, m 6 9 6	sampling Depth,m 1 3 5 1 4.5 8 1 3 5 1 5 1 5 1 3 5 1 5 1 5 1 5 9 1	Vong She eather C 1emper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.1 18.9 18.7 19.1 18.9 18.7	k and Kc ondition: 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.5 19.1 18.9 18.7 19.0 18.5	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.82 6.34 6.34 6.34 7.04 6.82 6.34 6.34	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36 6.36 6.36 6.30 7.04	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35 6.82 6.30	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7	ature, °C: Salinity, a 35.2 35.4 35.4 35.5 35.8 35.8 35.9 35.9 35.2 35.9 35.2 35.4 36.0 35.4 36.0 35.2	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.9 35.5 35.9 35.2 35.5 36.0 35.0	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 0.94	NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.15 1.10 1.03 1.30 1.00 0.88	Average 1.17 1.14 1.14 1.11	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15		Depth Average 12.8 10.5 8.4 7.9	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK3 S MK3 M MK3 S MK4 S MK4 M MK4 B MK4 S MK4 M MK4 B CK1 S CK1 M CK1 B	Sampling: Time 12:50 12:53 12:56 13:00 13:00 13:06 12:30 12:30 12:33 12:36 12:40 12:40 12:40 13:20 13:23	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	Overall Depth, m 6 9 6	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 4.5 8 1 3 5 5 1 1 5 9 1 1 9 9 1 7	Vong She eather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.5 18.7	k and Kc ondition: b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.5 18.1 18.9 18.7 19.3 18.5 18.2	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.88 6.75 6.30 7.03 6.67 7.03 6.67	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36 6.89 6.75 6.30 7.04 6.67 7.04 6.67	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.93 6.35 6.82 6.30 6.85	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6 98.0 98.0 92.6	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4 98.0 98.0	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7 102.3	ture, °C: Salinity, a 35.2 35.4 35.7 35.6 35.8 35.9 35.2 35.9 35.2 35.2 35.4 35.2 35.2 35.4 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.3 35.2 35.5	21 ppt 35.2 35.4 35.7 35.3 35.6 35.8 35.5 35.9 35.2 35.5 35.9 35.2 35.	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 0.94 1.18 1.18	NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.15 1.04 1.04 1.04 1.03 1.30 1.30 1.30 1.30 1.30 1.30	Average 1.17 1.14 1.14 1.11	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15 6.6 6.6 6.6		Depth Average 12.8 10.5 8.4 7.9	Remarks
Date of Station MK1 S MK1 M MK1 B MK2 S MK2 M MK2 M MK3 S MK3 M MK4 S MK4 M MK4 B MK4 B CK1 S CK1 M CK1 B CK2 S	Sampling: Time 12:50 12:53 12:56 13:00 13:00 13:00 12:30 12:30 12:30 12:40 12:43 12:40 12:43 12:46 13:20 13:26 13:26 13:26	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave mid wave	02 Reconst Depth, m 6 9 6 10 18	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 4.5 8 1 3 5 1 5 9 1 9 1 7 1 9 1 7 1	Vong She eather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3	k and Kc ondition: alture, °C 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.7 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3	sunny Dissolve a Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.75 6.34 6.76 6.30 7.03 6.67 6.40	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 6.50 6.80 6.80 6.80 6.75 6.30 7.04 6.67 7.04 6.67 6.40	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.93 6.35 6.82 6.30 6.85	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6 98.0 92.6 109.4	Ambiei d Oxget b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4 98.0 92.4 92.4	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7 102.3	ture,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.6 35.6 35.7 35.5 35.9 35.2 35.4 35.4 35.5 35.2 35.4 35.7 35.2 35.2 35.4 35.7	21 ppt 35.2 35.4 35.7 35.3 35.6 35.6 35.5 35.5 35.5 35.5 35.5	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 1.16 1.09 1.06 1.18 1.06	NTU b 1.10 1.20 1.30 1.12 1.04 1.04 1.04 1.03 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.31	Fide State: Average 1.17 1.14 1.14 1.14 1.14 1.08	Mid-Ebb Suspend 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15 6.6 6 6 6.6		Depth Average 12.8 10.5 8.4 7.9 9.2	Remarks
Date of Station MK1 S MK1 M MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK3 B MK3 B MK4 B CK1 S CK1 M CK1 B CK2 S CK2 M	Sampling: Time 12:50 12:53 12:56 13:00 13:03 13:03 13:03 12:30 12:33 12:36 12:40 12:43 12:46 13:20 13:23 13:26 13:20 13:21 13:26	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave	Overall Depth, m 6 9 6	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 3 5 1 3 5 1 9 9 1 1 9 9 1 7 1 9 9 17 1 9,5	Vong She eather C 1emper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3 18.2	k and Kc ondition: ature, °C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.5 18.9 18.9 18.9 18.7 19.0 18.5 18.9 18.7 19.0 18.5 18	sunny Dissolve A Dissolve A Comparison Comparison	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36 6.30 7.04 6.30 7.04 6.40 7.09	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35 6.35 6.82 6.82 6.82 6.85 6.80	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6 98.4 93.7 106.6 98.0 92.6 109.4 109.4	Ambieu d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4 98.0 92.4 109.5 109.5	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7 102.3 92.5 105.9	Salinity, "C: a 35.2 35.4 35.7 35.8 35.1 35.5 35.4 35.5 35.4 35.5 35.4 35.5 35.6 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7	21 ppt 35.2 35.3 35.4 35.3 35.5 35.9 35.5 35.9 35.5 35.9 35.2 35.5 35.0 35.0 35.0 35.0 35.7 35.7 35.7 35.7 35.7 35.7 35.7	Turbidili a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 1.16 1.09 1.06 1.18 1.06 1.25 1.07	NTU b 1.10 1.20 1.30 1.12 1.04 1.04 1.04 1.04 1.04 1.05 1.00 1.00 0.88 1.35 1.07 1.34 1.12	Average 1.17 1.14 1.14 1.11	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15 6.6 6 6 6 6 6 6 6		Depth Average 12.8 10.5 8.4 7.9	Remarks
Date of Station MK1 S MK1 M MK2 S MK2 M MK2 B MK3 S MK3 M MK3 B MK4 S MK4 M MK4 B CK1 S CK1 M CK1 B	Sampling: Time 12:50 12:53 12:56 13:00 13:00 13:00 12:30 12:30 12:30 12:40 12:43 12:40 12:43 12:46 13:20 13:26 13:26 13:26	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave mid wave	02 Reconst Depth, m 6 9 6 10 18	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 4.5 8 1 3 5 1 5 9 1 9 1 7 1 9 1 7 1	Vong She eather C Temper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3	k and Kc ondition: alture, °C 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.7 19.0 18.7 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3	sunny Dissolve a Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.82 6.34 6.75 6.34 6.76 6.30 7.03 6.67 6.40	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 6.50 6.80 6.80 6.80 6.75 6.30 7.04 6.67 7.04 6.67 6.40	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.93 6.35 6.82 6.82 6.82 6.82 6.82 6.82	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6 98.0 92.6 109.4	Ambiei d Oxget b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4 98.0 92.4 92.4	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7 102.3 92.5	ture,°C: Salinity, a 35.2 35.4 35.7 35.3 35.6 35.6 35.6 35.7 35.5 35.9 35.2 35.4 35.4 35.5 35.2 35.4 35.7 35.2 35.2 35.4 35.7	21 ppt 35.2 35.4 35.7 35.3 35.6 35.6 35.5 35.5 35.5 35.5 35.5	Turbidity a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 1.16 1.09 1.06 1.18 1.06	NTU b 1.10 1.20 1.19 1.30 1.12 1.04 1.04 1.05 1.10 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.31	Fide State: Average 1.17 1.14 1.14 1.14 1.14 1.08	Mid-Ebb Suspend 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15 6.6 6 6 6.6		Depth Average 12.8 10.5 8.4 7.9 9.2	Remarks
Date of Station MK1 S MK1 M MK2 B MK2 B MK2 B MK2 B MK2 B MK3 S MK4 M MK4 S MK4 S MK4 S MK4 S MK4 S CK1 S CK1 M CK1 B CK2 S CK2 M CK2 B	Sampling: Time 12:50 12:53 12:56 13:00 13:00 13:06 12:30 12:30 12:33 12:36 12:40 13:20 13:20 13:20 13:20 13:21 13:23 13:26	No. CV/2004/ 15/2/2007 Sea Condition mid wave mid wave mid wave mid wave	D2 Reconst Overall Depth, m 6 9 6 6 10 11 18 18	truction of V W Sampling Depth,m 1 3 5 1 4.5 8 1 3 5 1 3 5 1 9 9 1 7 9 1 7 9 1 7 9 1 7 1 9 9 1 7 1 9 1 7 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1	Vong She eather C 1emper a 19.3 19.1 18.9 19.2 19.0 18.6 19.0 18.6 19.0 18.5 19.0 18.5 19.1 18.9 18.7 19.3 18.5 18.2 19.3 18.2	k and Kc ondition: ature, °C b 19.3 19.1 18.9 19.2 19.0 18.7 19.0 18.5 18.9 18.9 18.9 18.7 19.0 18.5 18.9 18.7 19.0 18.5 18	sunny Dissolve a 6.95 6.72 6.34 7.10 6.99 6.50 7.04 6.88 6.75 6.30 7.03 6.67 6.40 7.04 6.53 6.67 6.53 6.53	d Oxyge b 6.95 6.72 6.34 7.10 6.95 6.50 7.04 6.80 6.36 6.89 6.75 6.30 7.04 6.67 6.67 6.67 6.40 7.09 6.53 6.18	n, mg/L Average 6.84 6.34 7.04 6.50 6.93 6.35 6.35 6.82 6.82 6.82 6.85 6.80	a 103.3 99.8 97.2 105.6 101.3 96.6 103.3 97.9 96.0 100.6 98.4 93.7 106.6 98.4 93.7 106.6 109.4 103.2 92.6 109.4 103.2 93.1	Ambiei d Oxyge b 103.0 99.8 97.2 105.6 101.4 96.6 103.3 97.9 96.0 100.6 98.5 93.7 106.4 98.0 92.4 109.5 101.4 92.0	nt Tempera n, % Average 101.5 97.2 103.5 96.6 100.6 96.0 99.5 93.7 102.3 92.5 105.9	Salinity, "C: a 35.2 35.4 35.7 35.8 35.1 35.5 35.4 35.5 35.4 35.5 35.4 35.5 35.6 35.7 35.7 35.7 35.7 35.7 35.7 35.7 35.7	21 ppt 35.2 35.3 35.4 35.3 35.5 35.9 35.5 35.9 35.5 35.9 35.2 35.5 35.0 35.0 35.0 35.0 35.7 35.7 35.7 35.7 35.7 35.7 35.7	Turbidili a 1.34 1.06 1.15 1.40 1.06 0.93 1.17 1.29 1.06 1.16 1.09 1.06 1.16 1.09 1.06 1.18 1.06 1.25 1.07	NTU b 1.10 1.20 1.30 1.12 1.04 1.04 1.04 1.04 1.04 1.05 1.00 1.00 0.88 1.35 1.07 1.34 1.12	Fide State: Average 1.17 1.14 1.14 1.14 1.14 1.08	Mid-Ebb Suspense 16 7.4 15 13 7.6 11 8.2 9.6 7.4 5.4 8.6 9.8 15 6.6 6 6.6 6.6 6.6 <5.0 6.4		Depth Average 12.8 10.5 8.4 7.9 9.2 6.5	Remarks

 Turbidity Meter:
 EM
 2365
 Calibration Check:
 9.8
 NTU
 Checked By:
 Raymond Dai

 Salinity Meter:
 EM
 6167
 Calibration Check:
 34.9
 ppt
 Date:
 22/2/2007

Thermometer:

EM 6167



Appendix E

Monitoring Schedule - Upcoming month

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

Water Quality Monitoring Schedule - Pier Demolition March - April 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar
					2	
					(Ebb: 15:36)	
	10.14	10.14		15.14	(Flood: 09:16)	(7.14
11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
	No sui	table tides for 12-	14 Mar		WQM ³	
					(Ebb: 10:43)	
					(Flood: 15:10)	
18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
	WQM ³		WQM ³		WQM ³	
	(Ebb: 12:40)		(Ebb: 14:07)		(Ebb: 15:37)	
	(Flood: 18:42)		(Flood: 07:55)		(Flood: 09:03)	
25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	· 31-Mar
	No sui	table tides for 26-2	28 Mar		WQM ³	
					(Ebb: 10:49)	
					(Flood: 16:25)	
1-Apr	2-Apr	3-Apr	4-Apr	-	-	-
			WON ³	Public Holiday	Public Holiday	Public Holiday
	WQM ³		WQM ³ (Ebb: 12:20)			
	(Ebb: 11:57) (Flood: 17:58)		(Ebb: 13:30) (Flood: 07:19)			
8-Apr	(Flood: 17.38) 9-Apr	10-Apr	(FI000. 07.19) 11-Apr	12-Apr	13-Apr	14-Apr
8-Арі	9-Apr Public Holiday	то-Арг	П-Арг	12-Αρι	13-Арі	ι4-Αρι
	Fublic Holiday				140 H ³	
			WQM ³			
			No mid-ebb tides		(Ebb: 10:04)	
			(Flood: 07:41)		(Flood: 15:23)	
15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
	WQM ³	Completion of Pie	er Demolition			
	(Ebb: 11:34)					
	(Flood: 17:39)					

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 3 times a week due to pier demolition works.