ENVIRONMENTAL MONITORING & AUDIT REPORT

Hip Hing - Ngo Kee Joint Venture

Hong Kong Convention and Exhibition Centre Expansion Project:

Monthly Environmental Monitoring and Audit Report for March 2007

April 2007

Environmental Resources Management

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April 2007

Reference 0050690

For and on behalf of			
Environmental Resources Management			
Approved by: Steve Duckworth			
Signed: Store Duckwoll	_		
Position: Deputy Managing Director			
Certified by:			
(Environmental Team Leader - Marcus Ip)		
/			
Date: 19 April 2007			

This report has been prepared by Environmental Resources Management the trading name of 'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

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Our Ref: 3.16/014/2006/it

19 April (2007

Maunsell Consultants Asia Ltd Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, N.T., Hong Kong

Attn: Ms Vera Chan

Dear Sir/Madam,

Hong Kong Convention Center Expansion Project Monthly EM&A Report for February 2007 (Environmental Permit No. EP-239/2006/A)

With reference to the captioned document concerning the Monthly EM&A report for March 2007 received from ERM dated 18 April 2007 and subsequent submission received from ERM on 19 April 2007, we are pleased to provide our verification for the document pursuant to condition 3 of the Environmental Permit (EP) No. EP-239/2006/A.

Yours faithfully,

Nature & Technologies (HK) Limited

Ir Dr Gabriel C K Lam Managing Director

CC:

Hong Kong Trade Development Council (Attn: Mr. K. F. Chan)

Hip Hing Ngo Kee Joint Venture (Attn: Mr. Eric Lau & Mr. William Tam)

ERM (Attn: Mr. Marcus Ip)

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EXECUTIVE SUMMARY

The construction works for Hong Kong Convention and Exhibition Centre Expansion Project (EIAO Register No: AEIAR-100/2006) commenced on 1 August 2006. This is the eighth monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 March 2007 to 31 March 2007 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting Period

The major construction works undertaken during the reporting period included the construction of pre-bored H piles at Grid D/17 north shore, construction of mini piles for marine platform at G/F north shore, construction of marine platform at G/F east shore, installation of marine piles in the marine channel, construction of RC column at Grid A1a/24 and Ba/24, construction of pedestrian tunnel in Zone 1-5 and RS 1-4 and erection of A1 Truss at Grid A1.

Environmental Monitoring and Audit Progress

A summary of the monitoring activities in this reporting period is listed below:

24-hour Total Suspended Particulates (TSP) monitoring5 sets1-hour TSP monitoring16 setsWater quality monitoring13 setsAdditional water quality monitoring4 setsEnvironmental site auditing5 times

Air Quality

Five sets of 24-hour and sixteen sets of 1-hour TSP monitoring were carried out at the designated monitoring stations (AM1 & AM2) during the reporting period. No exceedance was recorded during the reporting month.

Water Quality

Thirteen sets of water quality monitoring for dissolved oxygen, turbidity and suspended solids were carried out at the designated monitoring stations W3, W4 and W5. Four exceedances of Action Level of turbidity were recorded on 23, 26, 28 and 30 March 2007. Investigations indicated that these exceedances were likely due to natural fluctuation in water quality rather than Project works.

Additional water quality monitoring also commenced on 21 March 2007. Four sets of water quality measurement for dissolved oxygen, turbidity, suspended solids and total inorganic nitrogen were carried out at the designated monitoring stations C1, C2 and M1.

Construction Waste Management

The major construction activities undertaken in the reporting month were demolition of existing Atrium Link, land-based piling works and marine piling works. A total of 583 tonnes of inert C&D materials (including 0.5 tonnes materials reused in this Project) and 110 tonnes of C&D wastes were generated during the reporting month. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 Fill Bank and the public fill barging point at Quarry Bay respectively.

Environmental Site Auditing

Five weekly environmental site audits were carried out by the ET. Details of the audit findings and implementation status are presented in *Section 6*.

Environmental Non-conformance

No environmental non-compliance was identified during the reporting period.

No environmental complaint or summons was received during the reporting period.

Future Key Issues

Major works to be undertaken in the coming monitoring period are marine piling works and foundation works.

Potential environmental impacts arising from the construction activities in the coming month are mainly associated with dust, site runoff, marine water quality and waste.

1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by Hip Hing – Ngo Kee Joint Venture as the Environmental Team (ET) to implement the Environmental Monitoring and Audit (EM&A) programme for Hong Kong Convention and Exhibition Centre Expansion Project (the Project).

1.1 PURPOSE OF THE REPORT

This is the eighth EM&A report which summarizes the impact monitoring results and audit findings for the EM&A programme during the reporting period from **1 March 2007** to **31 March 2007**.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1: **Introduction**

details the scope and structure of the report.

Section 2: **Project Information**

summarizes background and scope of the Project, site description, project organization and contact details, construction programme, the construction works undertaken and the status of Environmental Permits/Licences during the reporting period.

Section 3: Environmental Monitoring Requirement

summarizes the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequency, monitoring locations, Action and Limit Levels and Event / Action Plans.

Section 4: **Implementation Status on Environmental Mitigation Measures** summarizes the implementation of environmental protection measures during the reporting period.

Section 5: Monitoring Results

summarizes the monitoring results obtained in the reporting period.

Section 6: **Environmental Site Auditing**

summarizes the audit findings of the weekly site inspections undertaken within the reporting period.

Section 7: Environmental Non-conformance

summarizes any environmental exceedance, environmental complaints and environmental summons received within the reporting period.

Section 8 : **Future Key Issues**

summarizes the impact forecast and monitoring schedule for the next three months.

Section 9: Review of EM&A Data and EIA Predictions

compares and contrasts the EM&A data in the month with the EIA predictions and annotates with explanation for any discrepancies.

Section 10 : Conclusion

2 PROJECT INFORMATION

2.1 BACKGROUND

The Hong Kong Trade Development Council (HKTDC) is expanding its existing facilities to provide additional space for Hong Kong's leading trade fairs to be held at the Hong Kong Convention and Exhibition Centre (HKCEC). The Project is located in the North Wan Chai and will occupy the aerial space between Phase I and Phase II of the HKCEC. The new Atrium Link Extension (ALE) will span across the water channel between Phase I and Phase II of the HKCEC to accommodate 3 main levels of Exhibition Hall Extensions. The level of the main roof of the Extension will be of similar height as that of the podium roof of the Phase I building. A northern row of permanent supporting columns will be located on land close to Expo Drive Central and similarly a southern row will land near to Convention Avenue. There will be no permanent intermediate columns in the waterway.

The major works activities for the ALE will comprise the following:

- Construction and demolition of the temporary footbridge;
- Demolition of the existing Atrium Link;
- Construction and demolition of a temporary working platform;
- Construction of foundations and pile caps for the ALE; and
- Construction of superstructure for the ALE.

The potential environmental impacts of the Project have been studied in the "Hong Kong Convention and Exhibition Centre, Atrium Link Extension – Environmental Impact Assessment Report" (EIAO Register No: AEIAR-100/2006). The EIA was approved on 21 April 2006 under the Environmental Impact Assessment Ordinance (EIAO). An Environmental Permit (EP-239/2006) for the works was granted on 12 May 2006. An application for variation of the Environmental Permit was made on 25 January 2007, an amended Environmental Permit (EP-239/2006/A) was granted on 12 February 2007. Under the requirements of Condition 3.1 of Environmental Permit EP-239/2006/A, an EM&A programme as set out in the EM&A Manual is required to be implemented.

The construction works commenced on 1 August 2006 and are scheduled to be completed by March 2009.

2.2 SITE DESCRIPTION

The works areas of the Project are illustrated in *Annex A*.

2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in this reporting period is shown in *Table 2.1*. The locations of the construction activities are shown in *Annex B*.

Table 2.1 Summary of Construction Activities Undertaken from 1 March 2007 to 31 March 2007

Construction Activities Undertaken

- Pre-bored H piles at Grid D/17 north shore
- Construction of mini piles for marine platform at G/F north shore
- Construction of marine platform at G/F east shore
- Installation of marine pile in the marine channel
- Construction of RC column at Grid A1a/24 and Ba/24
- Construction of pile cap at Grid A/17
- Construction of pedestrian tunnel in Zone 1-5 and RS 1-4
- Erection of A1 Truss at Grid A1

2.4 PROJECT ORGANISATION

The Project organisation chart and contact details are shown in *Annex C*.

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the relevant permits, licences, and/or notifications on environmental protection for this Project since August 2006 is presented in *Table 2.2*.

Table 2.2 Summary of Environmental Licensing, Notification and Permit Status

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	EP-239/2006/A	Throughout the Contract	Permit granted on 12 February 2007
Notification of Construction Works under Air Pollution Control (Construction Dust) Regulation			Notification on 23 June 2006
Discharge Licence under Water Pollution Control Ordinance	EP860/W10/XY0145	N/A	-
Chemical Waste Producer Registration	WPN5213-134-H3125- 01	N/A	Chemical waste types: spent paint, acid, alkaline, adhesive, diesel fuel, lubricating oil and bitumen.

Permit/ Licenses/	Reference	Validity Period	Remarks
Notification		-	
Valid Construction	GW-RS0694-06	Valid from 21	
Noise Permit for area		November 2006 to	
inside the Atrium		30 March 2007	
Link			
	GW-RS0722-06	Valid from 2	
		December 2006 to	
		30 April 2007	
	GW-RS0026-07	Valid from 21	
		January 2007 to 14	
		July 2007	
	PP-RS0043-06	Valid from 15	
		January 2007 to 14	
		July 2007	
	GW-RS0829-06	Valid from 3	
		January 2007 to 2	
		June 2007	

3

3.1 AIR QUALITY MONITORING

3.1.1 Monitoring Location

In accordance with the EM&A Manual, 24-hour and 1-hour Total Suspended Particulates (TSP) levels were conducted at the monitoring stations listed in *Table 3.1.* Maps and photographs showing the monitoring stations are presented in *Annex D*.

Table 3.1 Air Monitoring Stations

Monitoring Station	Description
AM1	Pedestrian Plaza
AM2	Renaissance Harbour View Hotel Hong Kong

3.1.2 Monitoring Parameters, Frequency and Programme

Air quality monitoring was conducted in accordance with the requirements stipulated in the EM&A Manual (*Table 3.2*). The monitoring programme for this and next three months is shown in *Annex E*.

Table 3.2 TSP Monitoring Parameter and Frequency

Parameter	Frequency
24-hour TSP	Once every 6 days
1-hour TSP	3 times every 6 days

3.1.3 Action and Limit Levels

The Action and Limit levels were established in accordance with the EM&A Manual and are presented in *Table 3.3*.

Table 3.3 Action and Limit Levels for Air Quality

Parameter	Air Monitoring	Action Level, μg/m³	Limit Level, μg/m³
	Station		
24-hour TSP	AM1	161	260
	AM2	168	260
1-hour TSP	AM1	327	500
	AM2	329	500

3.1.4 Monitoring Equipment

Continuous 24-hour and 1-hour TSP monitoring were performed using High Volume Samplers (HVS) with appropriate sampling inlets installed, located at the designated monitoring station. The performance specification of HVS complies with the standard method "Determination of Suspended Particulate Matter in the Atmosphere (High Volume Method)" as stipulated in US EPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50 Appendix B).

Table 3.4 summarizes the equipment that was used in the 24-hour and 1-hour TSP monitoring.

Table 3.4 TSP Monitoring Equipment

Monitoring Station	Equipment	Model (HVS, Calibration Kit)
AM1 (for 24-hr TSP)	HVS, Calibration Kit	GMW-9503, Tisch TE-5025 A
AM2 (for 24-hr TSP)	HVS, Calibration Kit	GMW-9795, Tisch TE-5025A
AM1 (for 1-hr TSP)	HVS, Calibration Kit	GMW-9864, Tisch TE-5025A
AM2 (for 1-hr TSP)	HVS, Calibration Kit	GMW-8115, Tisch TE-5025 A

3.1.5 Monitoring Methodology

Installation

The HVSs at AM1 and AM2 were placed at about 1.3 m above local ground level and about 4.3 m above local ground respectively. All of the HVSs were free-standing with no obstruction.

The following criteria were considered in the installation of the HVSs:

- horizontal platform with appropriate support to secure the samplers against gusty wind were provided at AM1 & AM2;
- a minimum of 2 m separation from walls, parapets and penthouses was required for rooftop samplers;
- no furnace or incinerator flues were nearby;
- airflow around the sampler was unrestricted; and
- permission was obtained to set up the samplers and to gain access to the monitoring stations.

Preparation of Filter Papers by ETS-Test Consultant Ltd

- glass fibre filters were labelled and sufficient filters that were clean and without pinholes were selected;
- all filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than \pm 3 °C; the relative humidity (RH) was 40%; and
- ETS-Test Consultant Ltd, a HOKLAS accredited laboratory, implements comprehensive quality assurance and quality control programmes.

Field Monitoring

- the power supply was checked to ensure that the HVSs were working properly;
- the filter holder and the area surrounding the filter were cleaned;

- the filter holder was removed by loosening the foul bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully;
- the filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
- the swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- then the shelter lid was closed and secured with the aluminium strip;
- the HVSs were warmed-up for about 5 minutes to establish runtemperature conditions;
- a new flowrate record sheet was set into the flow recorder;
- the flow rate of the HVSs was checked and adjust at around 0.6 -1.44 m³/min. The range specified in the EM&A Manual was between 0.6 1.7 m³/min;
- the programmable timer was set for a sampling period of 24 hours \pm 1 hour, and the starting time, weather condition and the filter number were recorded;
- the initial elapsed time was recorded;
- at the end of sampling, the sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact;
- it was then placed in a clean plastic envelope and sealed;
- all monitoring information was recorded on a standard data sheet; and
- filters were sent to ETS-Test Consultant Ltd for analysis.

3.1.6 Maintenance and Calibration

The HVSs and their accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.

The flow rate of each HVS with mass flow controller were calibrated using an orifice calibrator. Initial calibration of the dust monitoring equipments were conducted upon installation and prior to commissioning. Five-point calibration was carried out for HVSs using Tisch TE-5025 A Calibration Kit. The calibration records for the HVSs are given in *Annex F*.

3.1.7 Event Action Plan

The Event / Action Plan (EAP) for air quality monitoring is presented in *Annex J*.

3.2 WATER QUALITY MONITORING

3.2.1 Monitoring Location

In accordance with the EM&A Manual, the marine water quality monitoring was conducted at the designated monitoring stations during the installation and removal of temporary marine piles listed in *Table 3.5*. The map and photographs showing the monitoring stations are presented in *Annex D*.

Table 3.5 Water Quality Monitoring Locations

Station	Location	Intake Level	Easting	Northing
W3	Hong Kong Convention and Exhibition Centre Phase I Cooling Water Intake	7.5m below the existing pump house floor	835852	815907
W4	Wan Chai Tower/ Revenue Tower/ Immigration Tower Cooling Water Intake ⁽¹⁾	5m below the top of the existing sea wall	835944	815885
W5	Great Eagle Centre, China Resources Building Cooling Water Intake	5m below the top of the existing sea wall	835963	815886

Note:

3.2.2 Monitoring Parameters, Frequency and Programme

The water quality monitoring was conducted in accordance with *Table 3.6* during the period of installation and removal of temporary marine piles. The monitoring programme for the next month is shown in *Annex E*

Table 3.6 Water Quality Monitoring Parameters & Frequency

Parameter	Frequency	No. of Samples per Monitoring Event	Duration
, ,	3 days per week at mid- flood & mid-ebb tides		During installation and removal of
Turbidity			temporary marine piles.

Reference was made to the predicted tides at Quarry Bay, which is the tidal station nearest to the Project Site, published on the web site of Hong Kong Observatory (http://www.hko.gov.hk/tide/eQUBtide.htm). Where midebb or mid-flood tides occurred beyond the normal working hours (in the middle of the night or early morning), the water quality monitoring was conducted during the working hours, during which the potential water quality impacts from disturbed sediments are expected to be highest, to ensure that these potential water quality impacts are captured.

⁽¹⁾ The cooling water intake for Wan Chai Tower / Revenue Tower/ Immigration Tower was partially relocated to the new pump house adjacent to Station W3.

Measurements of suspended solids (SS), turbidity in Nephelometric Turbidity Units (NTU) and dissolved oxygen (DO) in mgL⁻¹ were undertaken at designated monitoring stations. The first parameter was determined in the laboratory with the latter three were measured in-situ.

3.2.3 Action and Limit Levels

The Action and Limit levels were established in accordance with the EM&A Manual and are presented in *Table 3.7*.

Table 3.7 Action and Limit Levels for Water Quality

Parameter	Tide	Action Level	Limit Level
Dissolved Oxygen	Mid-Ebb	3.26	3.23
(DO) in mgL ⁻¹	Mid-Flood	3.25	3.14
Suspended Solids (SS)	Mid-Ebb	9.00	10.00
in mgL-1	Mid-Flood	8.18	8.40
Turbidity (Tby) in	Mid-Ebb	5.32	6.19
NTU	Mid-Flood	4.76	5.79

3.2.4 Monitoring Equipment and Methodology

Dissolved oxygen and temperature measuring equipment

The portable and weatherproof dissolved oxygen (DO) measuring meter (YSI Model 95) was used in the impact monitoring.

The DO measuring meter has a membrane electrode with automatic temperature compensation complete with a 50-feet cable. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring station.

Turbidity Measurement Instrument

The turbidity measurements were carried out on split water sample collected from the same depths of SS samples. A portable and weatherproof turbidity-measuring meter (HACH 2100P) was used in the impact monitoring. It has a photoelectric sensor capable of measuring turbidity between 0-1000 NTU. Response of the sensor was checked with certified standard turbidity solutions before the start of measurement.

Suspended Solids

Water samples for suspended solids measurement were collected by means of a transparent PVC cylinder (Kahlsico Water Sampler), packed in ice (cooled to 4°C without being frozen) and delivered to the laboratory as soon as possible after collection. The SS determination work was started within 24 hours after the collection of the water samples, and the testing method of SS was carried by ETS-Testconsult Ltd (HOKLAS accredited laboratory) in accordance with

the APHA 19ed $2540D^{(1)}$ and the lowest detection limit is 1 mgL⁻¹. The Quality Assurance/Quality Control (QA/QC) procedures were followed as per HOKLAS requirements.

Water Depth Detector

A portable, battery-operated echo sounder (Speedtech instrument SM-5A) was used for the determination of water depth at each designated monitoring station.

Location of the Monitoring Sites

A hand-held GPS (MLR SP24) and together with a suitably scaled map was used for locating the water quality monitoring stations.

Calibration of Equipment

All in-situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently re-calibrated at 3 monthly intervals throughout the water quality monitoring. The calibration records for the monitoring instruments are given in *Annex H*.

3.2.5 Event / Action Plan

The Event / Action Plan (EAP) for water quality monitoring is presented in *Annex J.*

3.2.6 Additional Water Quality Monitoring

As part of the Application for Variation of Environmental Permit (Application No. VEP-227/2007) submitted on 25 January 2007, the Permit Holder undertook to conduct additional water quality monitoring in the marine channel in connection with the installation of temporary marine piles, in addition to the water quality monitoring at the three designated cooling water intakes discussed in *Section 3.2.1*. The additional water quality monitoring programme, Supplement to EM&A Manual, was submitted to the EPD on 4 April 2007 for consideration and is being reviewed by the EPD.

In the interim, the Contractor voluntarily commenced the additional water quality monitoring on 21 March 2007 to collect water quality data. The following describes the details of the additional water quality monitoring programme submitted to EPD. Future adjustments to the programme may be required subject to the outcome of EPD's review of the information submitted.

⁽¹⁾ American Public Health Association Standard Methods for the Examination of Water and Wastewater.

Two control stations and an impact monitoring station were selected for the collection of data on water quality within and outside the marine channel. The locations of the control stations and the impact monitoring station are presented in *Table 3.8* and *Annex D*.

Table 3.8 Monitoring Stations for Additional Water Quality Monitoring Programme

Station	Location	Monitoring Water Depth	Easting	Northing
C1 ⁽¹⁾	Adjoins Expo Drive	Surface, middle and bottom	835692	815904
$C2^{(2)}$	Adjoins Expo Drive East	Surface, middle and bottom	836014	815926
M1 ⁽³⁾	Approximately at the centre of the marine channel	Surface, middle and bottom	835852	815907

Remark

- (1) C1 has been assigned the upstream station during mid-ebb tide with reference to the flow pattern within and in the vicinity of the marine channel.
- (2) C2 has been assigned the upstream station during mid-flood tide with reference to the flow pattern within and in the vicinity of the marine channel.
- (3) Taking into account the foreseeable difficulty in accessing the exact centre of the marine channel, monitoring station M1 was chosen to be the same location as W3 under the current monitoring programme but outside the silt screen.

Monitoring Schedule and Requirement

The additional water quality monitoring was conducted in accordance with *Table 3.9* during the installation of temporary marine piles at the proposed monitoring stations listed in *Table 3.8*. The monitoring programme for the following month is shown in *Annex E*.

Table 3.9 also summarises the monitoring frequency and water quality parameters adopted for the reporting month. Duplicate in-situ measurements and water samples for testing suspended solids (SS), and one water sample for testing total inorganic nitrogen (TIN) were taken for each sampling event.

Table 3.9 Additional Water Quality Monitoring Frequency and Parameters

Activity	Monitoring Frequency	Monitoring Parameters
During the installation of	Three days per week at mid-	Dissolved Oxygen (DO),
temporary marine piles	flood and mid-ebb tides	Turbidity, Suspended Solid
		(SS), Total Inorganic Nitrogen
		(TIN)
Four-week monitoring	Three days per week at mid-	Dissolved Oxygen (DO),
immediately after the	flood and mid-ebb tides	Turbidity, Suspended Solid
completion of the installation		(SS), Total Inorganic Nitrogen
of the temporary marine piles		(TIN)
Four-week monitoring during	Three days per week at mid-	Dissolved Oxygen (DO),
the dry season after the	flood and mid-ebb tides	Turbidity, Suspended Solid
completion of the installation		(SS), Total Inorganic Nitrogen
of the temporary marine piles		(TIN)

Measurements were taken at three water depths, namely 1 m below water surface, mid-depth and 1 m above sea bed, except where the water depth is

less than 6 m, in which case the mid-depth sample was omitted. Where the water depth was less than 3 m, monitoring was undertaken only at mid-depth.

Monitoring Equipment

The same monitoring equipment including dissolved oxygen and temperature measuring equipment, turbidity measurement instrument and water depth detector was used as described in Section 3.2.4.

Laboratory Measurement / Analysis

Water samples for laboratory analyses under the additional water quality monitoring programme were collected following the same procedures described in *Section 3.2.4* for SS. The laboratory analyses were conducted within 24 hours after the collection of the water samples by ETS-Testconsult Ltd (HOKLAS accredited laboratory) in accordance with the analytical methods presented in *Table 3.10*. The Quality Assurance/Quality Control (QA/QC) procedures were followed as per HOKLAS requirements.

Table 3.10 Analytical Methods for Water Quality Parameters Monitored

Water Quality Parameter	Analytical Method	Detection Limit
Suspended Solids (SS)	APHA ⁽¹⁾ 2540D or HOKLAS-	1 mgL ⁻¹
	accredited method	
Total Inorganic Nitrogen (TIN)	APHA ⁽¹⁾ 4500 - NO ₃ F & NH ₃ G or	0.1 mgL ⁻¹
	HOKLAS-accredited method	
Remark:		
(1) American Public Health Ass	sociation (APHA) Standard Methods for	the Examination of Water

and Wastewater, 19th edition

4 IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Report, the Environmental Permit and EM&A Manual. The implementation status of environmental mitigation and status of relevant required submissions under the EP are reported as part of the monthly EM&A report⁽¹⁾. Relevant submissions made on these measures and requirements during the reporting period are summarized in *Annex K*.

⁽¹⁾ The last Monthly EM&A Report for February 2007 was submitted to the EPD on 20 March 2007.

5 MONITORING RESULTS

5.1 AIR QUALITY

The monitoring data at AM1 and AM2 were provided by ETS-Testconsult Ltd. Five sets of 24-hour and sixteen sets of 1-hour TSP monitoring were carried out at the designated monitoring stations (AM1 & AM2) during the reporting period. The monitoring data for 24-hour TSP and 1-hour TSP together with wind data and graphical presentations are presented in *Annex G*. In addition, the monitoring results can also be found in the web-site (http://www.hkcecema.com/index.html).

The weather condition during the monitoring period varied from sunny to rainy. The local impacts observed near the monitoring stations were mainly vehicle emissions along Convention Avenue and Fleming Road.

5.2 WATER QUALITY

Water quality monitoring was conducted in the reporting period and the results of water quality monitoring were provided by ETS-Testconsult Ltd. Thirteen sets of water quality measurements were carried out at the designated monitoring stations W3, W4 and W5.

Additional water quality monitoring was also undertaken from 21 March 2007 on a voluntary basis. Four sets of water quality measurements were carried out at the designated monitoring stations C1, C2 and M1 but the checking of compliance and the Event and Action Plan were not yet implemented pending EPD's approval of the additional monitoring programme and the associated Action and Limit Levels.

The monitoring data and graphical presentations are summarized in *Annex I*. The monitoring results can also be found in the web-site (http://www.hkcecema.com/index.html).

During the reporting month, exceedances of water quality parameters of the monitoring stations were summarized in *Table 5.1*. Notification of Exceedances with detailed investigation reports were issued to IEC and EPD immediately when the exceedances were identified.

Table 5.1 Summary of Record of Exceedanace recorded in March 2007

Station	Record of Exceedance
W3	Exceedance of Action Level of Turbidity on 23 March 2007
	Exceedance of Action Level of Turbidity on 28 March 2007
	Exceedance of Action Level of Turbidity on 30 March 2007
W4	Exceedance of Action Level of Turbidity on 26 March 2007

Exceedances of Action Level of turbidity were recorded on 23, 26, 28 and 30 March 2007. During the time of monitoring, no silty water was observed to be discharged from the site to the marine channel. It is considered that the exceedances of Action Level of Turbidity were likely due to natural fluctuation rather than Project works. In addition, the gravimetric measurement of SS in the laboratory, which is considered a more accurate and quantitative measurement, complied with the Action Level, indicating the water quality was acceptable as compared with the Action Level.

5.3 WASTE MANAGEMENT

Waste generated from this Project includes inert construction and demolition (C&D) materials and non-inert C&D wastes. Reference has been made on the Monthly Summary Waste Flow Table prepared by Hip Hing – Ngo Kee Joint Venture (*Annex L*). With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting quarter are summarized in *Table 5.2*. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 Fill Bank and the public fill barging point at Quarry Bay respectively.

Table 5.2 Quantities of Waste Generated from the Project

	Quantity		
Month / Year	C&D Materials (inert) (a)	C&D Materials (non-inert) b)	Chemical Waste
March 2007	583 tonnes	110 tonnes	0
		(No steel materials were	
		collected)	

Notes:

- (a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil. 0.5 tonne of inert C&D materials was reused either in this Project. Non-reused inert C&D materials were disposed of at the public fill barging point at Quarry Bay.
- (b) C&D wastes include steel materials generated from demolition of footbridge, the existing Atrium Link and working platform, paper / cardboard packaging waste, chemical waste and other wastes such as general refuse. No steel materials were collected during the reporting month and the C&D wastes other than general refuse were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility.

6 ENVIRONMENTAL SITE AUDITING

Weekly site inspections were carried out by the ET. Five site inspections were conducted on 1, 8, 13, 22 and 29 March 2007. There was no non-compliance event recorded in the reporting month.

Major findings and recommendations are summarized as follows:

Site Specific

- (i) Oil stains were observed in the area around an air compressor located on the southern working platform. The drip tray provided for the air compressor was poorly maintained. Oil, debris and rubbish were observed to have cumulated in the drip tray. It is recommended that the Contractor should replace the drip tray. Oil and debris removed from the faulty drip tray and leaked oil collected from the working platform should be disposed of in accordance with the Emergency Plan for Oil Spillage. Corrective action was taken in the reporting period.
- (ii) The Contractor is recommended to provide proper provisions to collect, treat and dispose of the water generated from grouting activities near BP3. Corrective action was taken in the reporting period.
- (iii) Refuse was found on the northern seawall. The Contractor is recommended to remove the refuse ASAP. The Contractor was also reminded to provide sufficient rubbish bins and to educate the workers to dispose of refuse in the rubbish bins provided. Corrective action was taken in the reporting period.
- (iv) A crane lorry was observed to be leaving the site without using the wheel washing facilities provided. The Air Pollution Control Ordinance stipulates that every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction site. The Contractor is recommended to strictly follow this practice. Corrective action was taken in the reporting period.

Water Discharge Sampling

In accordance with the discharge licence issued under WPCO, water sampling should be conducted quarterly to ensure the quality of treated effluent at three designated discharge points complies with the requirements of discharge license. Water quality sampling at Discharge Point 1, the gully located at the east end of Expo Drive Central, was conducted on 15 March 2007. *Table 6.1* shows that the effluent discharged from the project was in compliance with the discharge limit stipulated in the Water Discharge License. The laboratory testing reports of the water sampling and the map showing the locations of discharge points are presented in *Annex N*.

Table 6.1 Results of Water Sampling at Discharge Point 1

Parameter	Test Result	Discharge Limit
Discharge Point 1		
рН	6.6	6-9
Total Suspended Solids (TSS) Dried at 103-105°C (mg/L)	14	≤30
Chemical Oxygen Demand (COD) (mgO ₂ /L)	<50	≤80

Landscape and Visual Monitoring

In accordance with *Section 6.7* of the EM&A Manual, bi-weekly landscape and visual monitoring is required to ensure that the design, implementation and maintenance of landscape and visual mitigation measures are fully achieved. The monitoring has commenced since January 2007 and is conducted by Earthasia Limited. The implementation status of landscape and visual mitigation measures is given in *Annex K*.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 SUMMARY OF ENVIRONMENTAL EXCEEDANCE

No exceedance of the Action and Limit Levels of 24-hour and 1-hour TSP was recorded at monitoring stations during the reporting period.

Four exceedances of the Action Level of water quality parameters were recorded at monitoring stations during the reporting period. Details of the exceedance are summarized in *Table 5.1*.

7.2 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

No non-compliance event was recorded during the reporting period.

7.3 SUMMARY OF ENVIRONMENTAL COMPLAINT

No complaint was received during the reporting period.

7.4 SUMMARY OF ENVIRONMENTAL SUMMONS AND PROSECUTION

No summons or prosecution on environmental matters was received during the reporting period.

8 FUTURE KEY ISSUES

8.1 KEY ISSUES FOR THE COMING MONTH

Works to be taken for the coming monitoring period are summarized in *Table 8.1.*

Table 8.1 Construction Works to be Undertaken in the Coming Month

Work to be taken

- Construction of marine platform at G/F east shore
- Construction of marine piles at marine channel
- Construction of pile cap at Grid A/17
- Construction of permanent mini-piles at Grid 17
- Construction of pile cap at BP4, BP5 and B/17
- Construction of RC column at Grid A1a/24 and Grid Ba/24
- Phase I A&A works at Grid 24-25
- Modification of existing Atrium Link for new RC column at Grid A/17 and B/17
- Preparation work for demolition of existing Atrium Link at Grid A/17 25
- Erection of A1 Truss from L2 up to L5 at A1 and Zone 5
- Construction of pedestrian tunnel

Potential environmental impacts arising from the above construction activities are mainly associated with dust, site runoff and waste management.

8.2 MONITORING SCHEDULE FOR THE COMING MONTHS

The tentative schedule of TSP monitoring for the next months is presented in *Annex E*. The environmental monitoring will be conducted at the same monitoring locations as in this reporting month.

It is anticipated that the installation of temporary marine piles will still be carried out in April 2007 and the water monitoring will be conducted during the installation of temporary marine piles. The tentative schedule of water quality monitoring for next month is presented in *Annex E*. The monitoring programme has been reviewed and was considered as adequate to cater for the nature of works in progress.

The construction programme for the next three months is presented in *Annex M*.

AIR QUALITY

9

9.1

Since the EIA only have qualitative assessment of dust impact during construction phase, the comparison was made between the monitoring results and the Hong Kong Air Quality Objectives (HKAQO) (*Table 9.1*).

Table 9.1 Comparison of the HKAQO and Air Quality Monitoring Results

Monitoring Stations	Corresponding ASR in EIA	HKAQO, ug/m³	Measured 24 hour TSP Monitoring Results, ug/m ^{3 (2)}	
		24 hour (1)	Average	Range
AM1	AM8	260	84	34 - 145
AM2	AM6	260	79	29 - 145

Remarks:

The monitoring results show that the 24-hour TSP levels during the reporting period were well below the maximum allowable concentration stipulated in the HKAQO. Recommended mitigation measures in *Section 4.24* of EIA were implemented during the reporting period and were considered effective.

9.2 WATER QUALITY

The hydrodynamic modelling assessment undertaken in the approved EIA Report was targeted at assessing the potential effects of the marine works on the flushing capacity of the water channel during the construction phase and no prediction was made on the change in water quality, hence no comparison can be made with the monitoring results.

9.3 WASTE MANAGEMENT

The estimated amount of waste generated in this Project and the quantities of waste generated during the reporting period are presented in *Table 9.2*. Recommended mitigation measures in *Sections 6.35 to 6.41* of the EIA were implemented during the reporting period and regarded as effective.

⁽¹⁾ Only 24 hours TSP monitoring results were compared as there is no maximum allowable concentration of 1 hour TSP in HKAQO.

 $^{^{(2)}}$ Average and range of data were calculated for the period of monitoring between August 2006 to March 2007

Table 9.2 Comparison of the Estimated and Actual Amount of Waste Generated

585 tonnes 4,680 tonnes	0
4.680 tannas	
4.680 toppes	
4,000 tornies	305 tonnes
390 tonnes	0
20,000 tonnes	10,448 tonnes
Insignificant	478 tonnes
Small	288 Litres
	390 tonnes 20,000 tonnes Insignificant

9.4 **CONCLUSION OF REVIEW**

The EIA predictions and the monitoring results during the reporting period have been reviewed. The EIA concluded that the Project would not cause adverse impacts to the environment, and the monitoring results also indicated that the construction of the Project has not caused adverse impacts to the environment. Recommendations given in the EIA are also considered to be adequate and effective for minimising the environmental impacts.

⁽¹⁾ The actual amount of C&D Materials was recorded since the commencement of construction works.

10 CONCLUSION

The Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken during the period from 1 March to 31 March 2007 in accordance with EM&A Manual and the requirement under EP-239/2006/A.

No exceedance of the Action and Limit Levels of 24-hour and 1-hour TSP was recorded at the monitoring stations during the reporting month.

Four exceedances of Action Level of Turbidity were recorded on 23, 26, 28 and 30 March 2007. Results of investigation indicated that these exceedances were likely due to natural fluctuation in water quality rather than Project works.

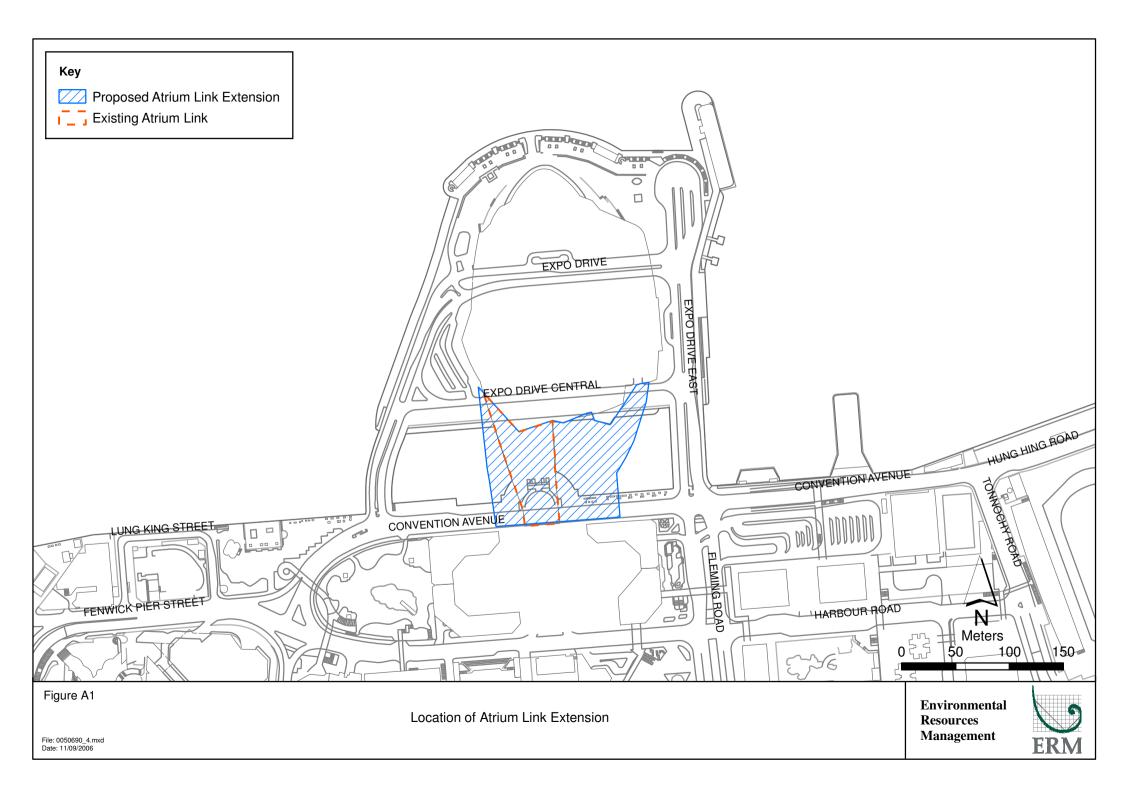
No non-compliance event was recorded during the reporting month.

No complaint and summons/prosecution was received during the reporting period.

The ET will keep track of the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Annex A

Locations of Works Areas

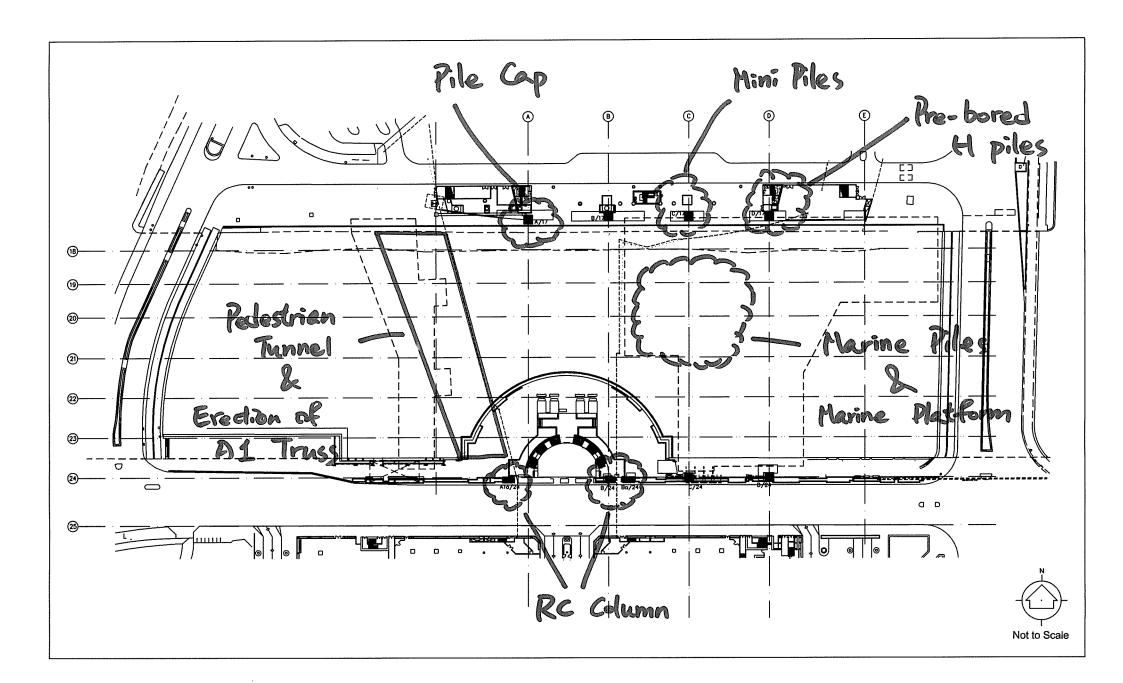


Annex B

Location of Construction Activities during the Reporting Month

Summary of Works for March 2007

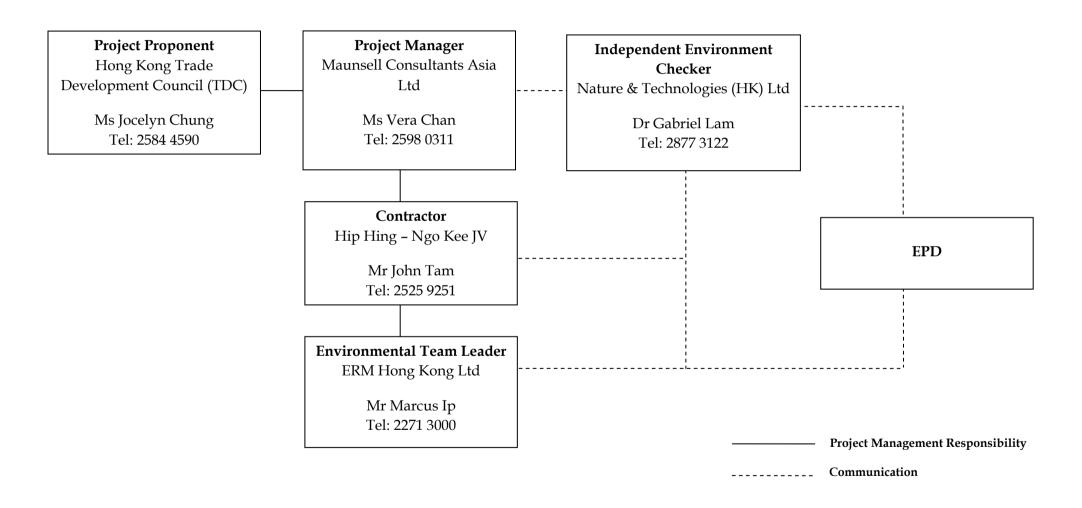
Description	Location	
Construction of pre-bored H piles	Grid D/17 North Shore	
Construction of mini piles for marine platform	G/F North Shore	
Construction of marine platform	G/F East Shore	
Installation of Marine Pile	Marine Channel	
Construction of RC column	Grid A1a/24 & Ba/24	
Construction of pile cap	Grid A/17	
Construction of pedestrian tunnel	Zone 1-5 & RS 1-4	
Erection of A1 truss	Grid A1	



Annex C

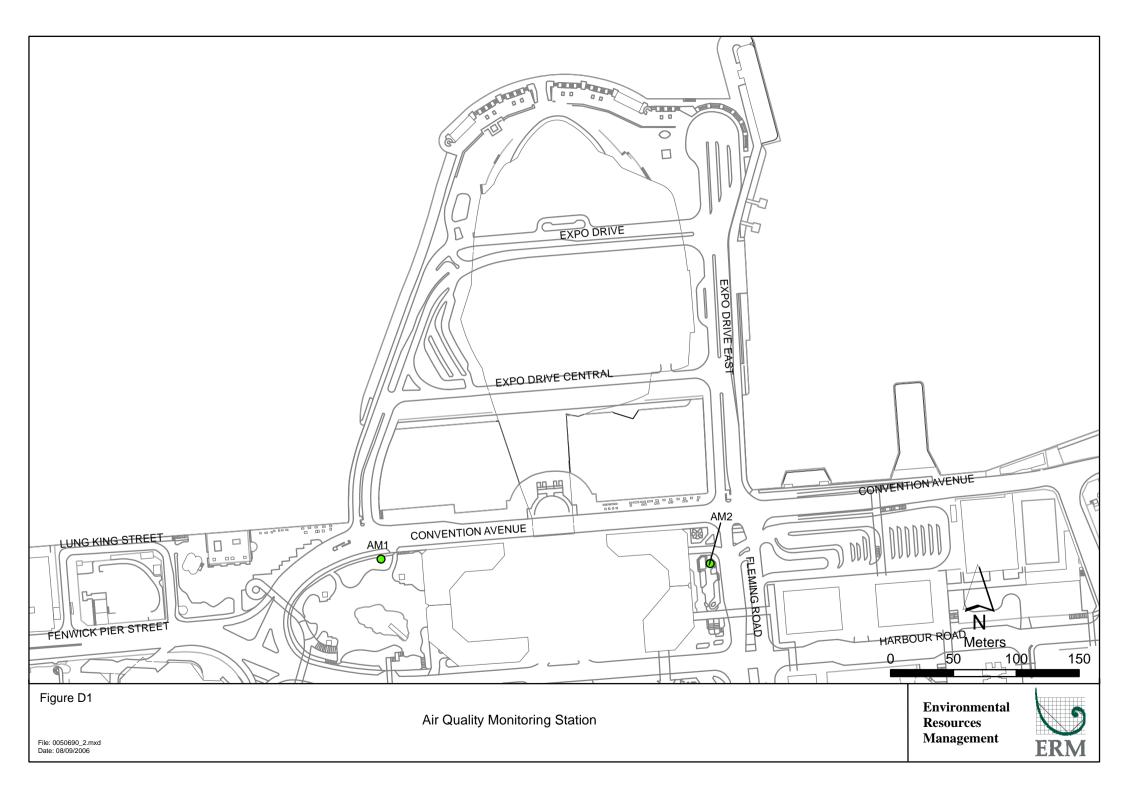
Project Organisation

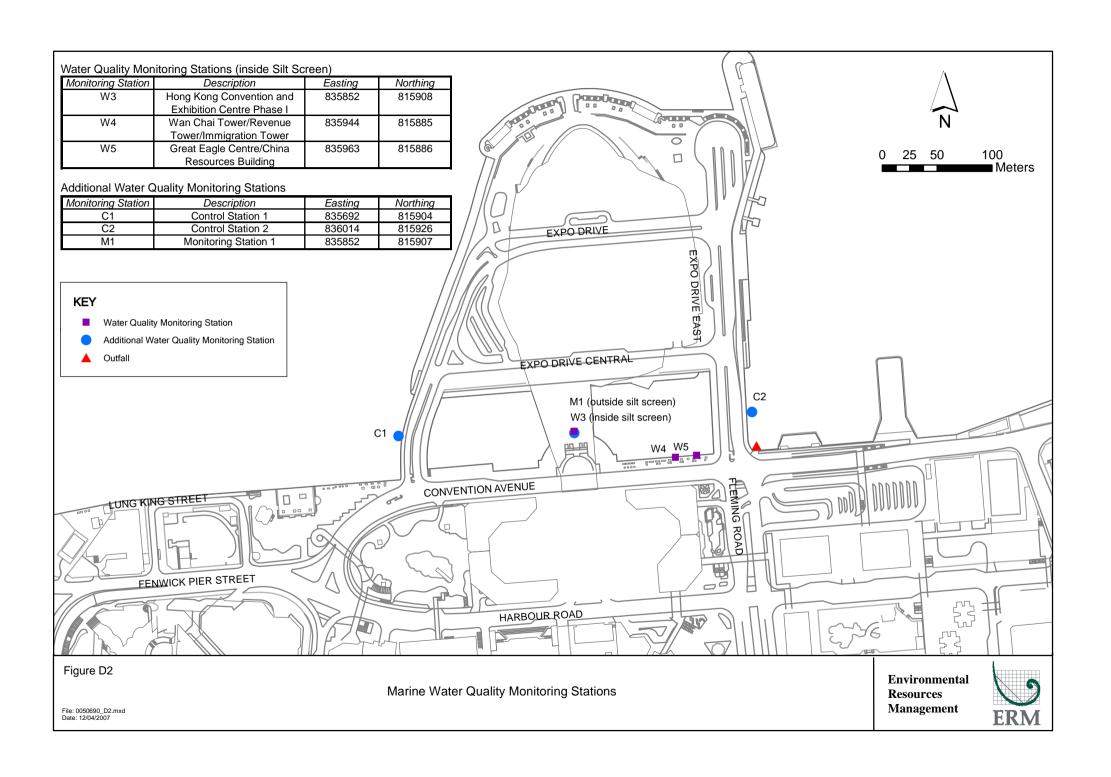
Project Organization (with contact details)



Annex D

Locations of Air and Water Quality Monitoring Stations



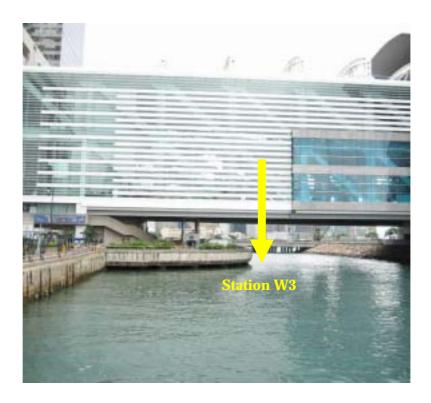




Air Quality Monitoring Station (AM1)



Air Quality Monitoring Station (AM2)



Water Quality Monitoring Location – Station W3



Water Quality Monitoring Location – Stations W4 and W5 $\,$



Additional Water Quality Monitoring Location – Station C1



Additional Water Quality Monitoring Location - Station C2



Additional Water Quality Monitoring Location – Station M1

Annex E

Monitoring Schedule for the Reporting Period and Next Month

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Air Quality Monitoring Schedule - March 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
,				01-Mar	02-Mar	03-Mar
					Air Monitoring 1 hr TSP	
04-Mar	05-Mar	06-Mar	07-Mar	08-Mar	09-Mar	10-Mar
	Air Monitoring 1 hr TSP	Air Monitoring 1 hr and 24 hr TSP	Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP	
11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
	Air Monitoring 1 hr and 24 hr TSP		Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP	Air Monitoring 1 hr and 24 hr TSP
18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
	Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP		Air Monitoring 1 hr and 24 hr TSP	
25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar
	Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP	Air Monitoring 1 hr and 24 hr TSP	Air Monitoring 1 hr TSP	

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Air Quality Monitoring Schedule - April 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01-Apr				05-Apr		07-Apr
	Air Monitoring 1 hr TSP		Air Monitoring 1 hr and 24 hr TSP		Air Monitoring 1 hr TSP	
08-Apr	09-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr
	Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP	
15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr
	Air Monitoring 1 hr and 24 hr TSP		Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP	
22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr
	Air Monitoring 1 hr TSP		Air Monitoring 1 hr TSP		Air Monitoring 1 hr and 24 hr TSP	
29-Apr	30-Apr					
	Air Monitoring 1 hr TSP					

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Water Quality Monitoring Schedule - March 2007

Sunday	Mo	onday	Tuesday	Wedn	esday	Thursday	Fri	iday	Saturday
		-	•		-	01-Mar		02-Mar	03-Mar
							Mid-ebb	11:58	
							Mid-flood	17:17	
04-Mar		05-Mar	06-Mar		07-Mar	08-Mar		09-Mar	10-Mar
	Mid-flood	07:32		Mid-flood	08:12		Mid-flood	08:48	
	Mid-ebb	13:17		Mid-ebb	14:14		Mid-ebb	15:14	
11-Mar		12-Mar	13-Mar		14-Mar	15-Mar		16-Mar	17-Mar
	Mid-flood	09:00		Mid-flood	08:55		Proposed	10:57	
	Mid-ebb	18:00		Proposed	18:30		Mid-flood	15:42	
				Mid-ebb			No mid-ebb)	
				out of piling	hour				
18-Mar		19-Mar	20-Mar		21-Mar	22-Mar		23-Mar	24-Mar
	Mid-ebb	12:40		Mid-flood	07:44		Mid-flood	08:46	
	Mid-flood	18:36		Mid-ebb	13:57		Mid-ebb	15:26	
25-Mar		26-Mar	27-Mar		28-Mar	29-Mar		30-Mar	31-Mar
	Mid-flood	09:30		Mid-flood	09:14		Proposed	11:05	
	Mid-ebb	18:30		Mid-ebb	18:30		Mid-flood	16:25	
							No mid-ebb)	

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Water Quality Monitoring Schedule - April 2007

Sunday	Mo	onday	Tuesday	Wedne		Thursday		iday	Saturday
01-Apr		02-Apr	03-Apr		04-Apr	05-Apr		06-Apr	07-Apr
	Mid-ebb	12:20		Mid-flood	07:01		Mid-flood	07:32	
	Mid-flood	18:31		Mid-ebb	13:14		Mid-ebb	14:05	
08-Apr		09-Apr	10-Apr		11-Apr	12-Apr		13-Apr	14-Apr
	Mid-flood	08:16			8:00 (flood)		Proposed	9:44 (ebb)	
	Mid-ebb	16:14		Proposed	18:30 (ebb)		Mid-flood	14:20	
				111111 Cl 1 O			M		
				Mid-flood &			No mid-ebb)	
45.000		40.4	47.0	out of piling		40.4		00.4	04 4 7 7
15-Apr	Mid-ebb	16-Apr 11:35	17-Apr		18-Apr 12:53		Mid-flood	20-Apr 07:33	21-Apr
	Mid-flood	17:35			12:53 18:30 (flood)		Mid-nood	14:20	
	MIG-1100G	17.37		Proposed	16.30 (11000)		Mid-epp	14.20	
				Mid-flood					
				out of piling	hour				
22-Apr		23-Apr	24-Apr		25-Apr	26-Apr		27-Apr	28-Apr
•	Proposed	8:00 (flood)	_ · · · · ·		07:15		Proposed	10:00 (ebb)	
	Mid-ebb	17:18		Proposed	18:30 (ebb)		Mid-flood	15:14	
		-		.,	()			-	
	Mid-flood			Mid-ebb			No mid-ebb	1	
	out of pilin	g hour		out of piling	hour				
29-Apr	•	30-Apr							
·	Mid-ebb	11:26							
	Mid-flood	17:43							

Annex F

Calibration Reports for HVS



東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

B/F., Block B, Veristrong industrial Centre, 34-36 Au Pul Wan Street, Fotan, Hong Kong

Tel: 2695 8318 Fax: 2695 3944 E-mail : etl@ets-testconsult.com Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer

Graseby GMW

Date of Calibration

26 February 2007

Serial No.

9864 (ET/EA/003/19)

Calibration Due Date :

25 April 2007

Method

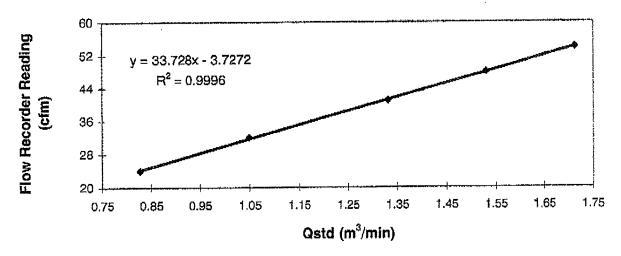
: Based on Operations Manual for the 5-point calibration using standard calibration kit

manufactured by Tisch TE-5025 A

Results

Flow recorder re	ading (cfm)	54	48	41	32	24
Qstd (Actual flor	w rate, m³/min)	1.71	1,53	1.33	1.05	0.83
Pressure:	768.06 mm Hg		Temp.:	291	K	

Sampler 9864 Calibration Curve Site: Wan Chai (AM-1) Date of Calibration: 26 February 2007



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5-point calibration

The high volume sampler complies * / does-not-comply * with the specified requirements and is deemed acceptable */ unacceptable * for use.

Calibrated by : Juk

MAK Kei Wai

(Senior Technician)

Approved by

H, T. CHOW

(Asst. Environmental Officer)



東業徳勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pul Wan Street, Foten, Hong Kong

Tel : 2695 8318 Fax : 2695 3944 E-mail : etl@ets-testconsult.com Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer

Graseby GMW

Date of Calibration

26 February 2007

Serial No.

9795 (ET/EA/003/18)

Calibration Due Date :

25 April 2007

Method

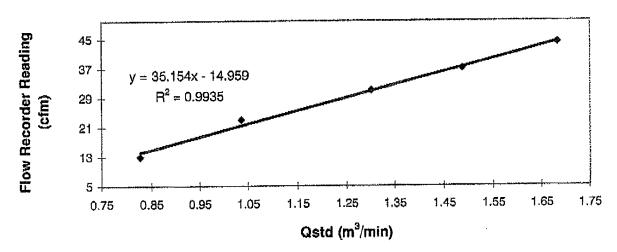
: Based on Operations Manual for the 5-point calibration using standard calibration kit

manufactured by Tisch TE-5025 A

- Results

Flow recorder re	ading (cfm)	44	37	31	23	13
Ostd (Actual flow	w rate, m³/min)	1,68	1.49	1.30	1.04	0.83
Pressure:	768.06 mm Hg		Temp.:	291	K	

Sampler 9795 Calibration Curve Site: Wan Chai (AM-2) Date of Calibration: 26 February 2007



Acceptance Criteria:

Correlation coefficient (r) of the calibration curve greater than 0.990 after

a 5-point calibration

The high volume sampler complies * / does not-comply * with the specified requirements and is deemed acceptable */ unacceptable * for use.

Calibrated by : Make

MAK Kei Wai

(Senior Technician)

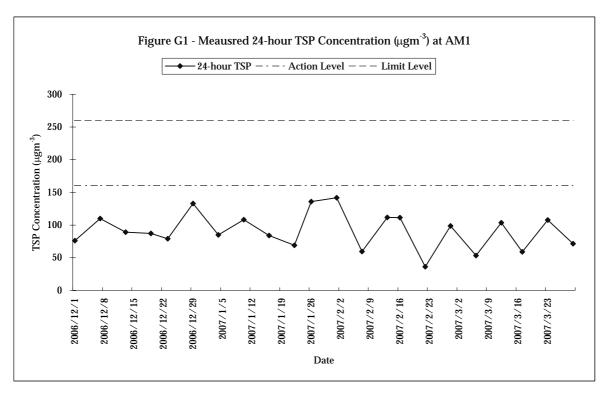
Approved by

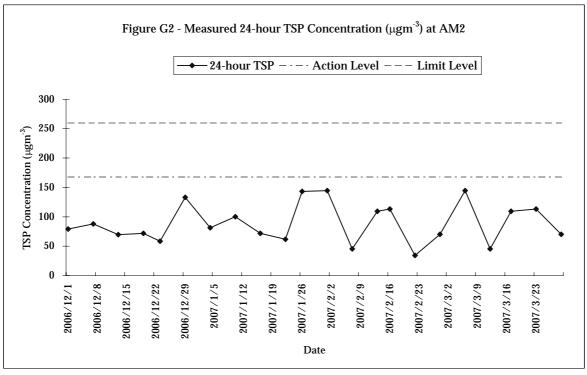
H. T. CHOW

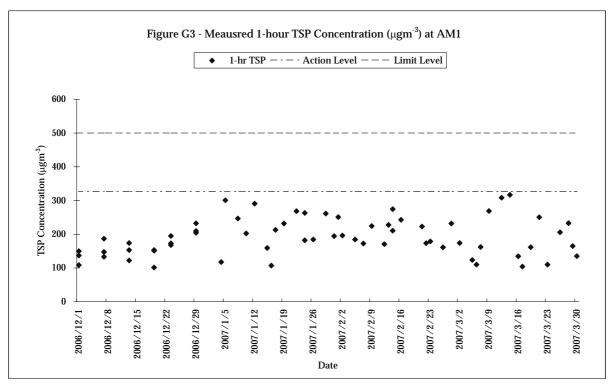
(Asst. Environmental Officer)

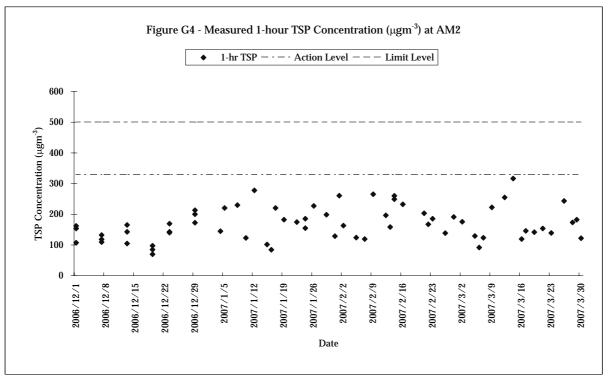
Annex G

24-hour and 1-hour TSP Monitoring Results









24-hour TSP Monitoring Results

24-hour TSP Monitoring Results at Station AM1 (Nearby The Grand Hyatt)

Date	Filter W	/eight (g)	Flow Rate	(m³/min.)	Elaps	se Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
06-Mar-07	2.8281	2.9165	1.15	1.15	11370.5	11394.5	24.0	53	Rainy	14.2	0.0884	1.15	1653.4
12-Mar-07	2.8894	3.0649	1.18	1.18	11397.5	11421.5	24.0	104	Cloudy	16.8	0.1755	1.18	1695.5
17-Mar-07	2.8945	2.9898	1.12	1.12	11424.5	11448.5	24.0	59	Rainy	18.3	0.0953	1.12	1611.5
23-Mar-07	2.8406	3.0187	1.15	1.15	11451.5	11475.5	24.0	108	Cloudy	20.3	0.1781	1.15	1653.4
29-Mar-07	2.8787	2.9908	1.09	1.09	11478.5	11502.5	24.0	71	Cloudy	23.8	0.1121	1.09	1568.0

 Min
 53

 Max
 108

 Average
 79

24-hour TSP Monitoring Results at Station AM2 (Nearby Renaissance Harbour View Hotel)

Date	Filter W	/eight (g)	Flow Rate	(m ³ /min.)	Elaps	se Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
06-Mar-07	2.8682	3.1590	1.40	1.40	9635.0	9659.0	24.0	145	Rainy	14.2	0.2908	1.40	2010.1
12-Mar-07	2.8999	2.9987	1.51	1.51	9662.0	9686.0	24.0	46	Cloudy	16.8	0.0988	1.51	2169.4
17-Mar-07	2.8132	3.0548	1.53	1.53	9689.0	9713.0	24.0	109	Rainy	18.3	0.2416	1.53	2208.1
23-Mar-07	2.8181	3.0724	1.56	1.56	9716.0	9740.0	24.0	113	Cloudy	20.3	0.2543	1.56	2247.7
29-Mar-07	2.8469	3.0024	1.53	1.53	9769.0	9793.0	24.0	70	Cloudy	23.8	0.1555	1.53	2210.3

 Min
 46

 Max
 145

 Average
 97

1-hour TSP Monitoring Results

1-hour TSP Monitoring Results at Station AM1 (Nearby The Grand Hyatt)

Date	Filter W	/eight (g)	Flow Rate	(m³/min.)	Elaps	se Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
02-Mar-07	2.8144	2.8270	1.21	1.21	11367.5	11368.5	1.0	174	Cloudy	20.8	0.0126	1.21	72.5
05-Mar-07	2.8156	2.8248	1.24	1.24	11368.5	11369.5	1.0	124	Rainy	20.9	0.0092	1.24	74.2
06-Mar-07	2.8335	2.8407	1.09	1.09	11369.5	11370.5	1.0	110	Rainy	14.2	0.0072	1.09	65.3
07-Mar-07	2.8570	2.8676	1.09	1.09	11394.5	11395.5	1.0	162	Rainy	11.9	0.0106	1.09	65.3
09-Mar-07	2.8394	2.8565	1.06	1.06	11395.5	11396.5	1.0	269	Cloudy	15.5	0.0171	1.06	63.6
12-Mar-07	2.8820	2.9005	1.00	1.00	11396.5	11397.5	1.0	308	Cloudy	16.8	0.0185	1.00	60.0
14-Mar-07	2.8546	2.8753	1.09	1.09	11421.5	11422.5	1.0	317	Cloudy	20.2	0.0207	1.09	65.3
16-Mar-07	2.8992	2.9080	1.09	1.09	11422.5	11423.5	1.0	135	Cloudy	23.4	0.0088	1.09	65.3
17-Mar-07	2.9033	2.9103	1.12	1.12	11423.5	11424.5	1.0	104	Rainy	18.3	0.0070	1.12	67.1
19-Mar-07	2.9005	2.9105	1.03	1.03	11448.5	11449.5	1.0	162	Cloudy	17.5	0.0100	1.03	61.8
21-Mar-07	2.8793	2.8961	1.12	1.12	11449.5	11450.5	1.0	250	Cloudy	18.0	0.0168	1.12	67.1
23-Mar-07	2.8169	2.8241	1.09	1.09	11450.5	11451.5	1.0	110	Cloudy	20.3	0.0072	1.09	65.3
26-Mar-07	2.8079	2.8217	1.12	1.12	11475.5	11476.5	1.0	206	Rainy	22.8	0.0138	1.12	67.1
28-Mar-07	2.8036	2.8184	1.06	1.06	11476.5	11477.5	1.0	233	Cloudy	21.7	0.0148	1.06	63.6
29-Mar-07	2.8966	2.9071	1.06	1.06	11477.5	11478.5	1.0	165	Cloudy	23.8	0.0105	1.06	63.6
30-Mar-07	2.8906	2.8999	1.15	1.15	11502.5	11503.5	1.0	135	Cloudy	24.9	0.0093	1.15	68.9

 Min
 104

 Max
 317

 Average
 185

1-hour TSP Monitoring Results at Station AM2 (Nearby Renaissance Harbour View Hotel)

Date	Filter W	/eight (g)	Flow Rate	(m³/min.)	Elaps	e Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
02-Mar-07	2.7945	2.8107	1.53	1.53	9793.0	9794.0	1.0	176	Cloudy	20.8	0.0162	1.53	92.1
05-Mar-07	2.8481	2.8600	1.53	1.53	9794.0	9795.0	1.0	129	Rainy	20.9	0.0119	1.53	92.1
06-Mar-07	2.8134	2.8225	1.65	1.65	9795.0	9796.0	1.0	92	Rainy	14.2	0.0091	1.65	98.9
07-Mar-07	2.8307	2.8429	1.65	1.65	9820.0	9821.0	1.0	123	Rainy	11.9	0.0122	1.65	98.9
09-Mar-07	2.7948	2.8168	1.65	1.65	9821.0	9822.0	1.0	222	Cloudy	15.5	0.0220	1.65	98.9
12-Mar-07	2.8739	2.8978	1.56	1.56	9822.0	9823.0	1.0	255	Cloudy	16.8	0.0239	1.56	93.8
14-Mar-07	2.8943	2.9283	1.79	1.79	9847.0	9848.0	1.0	316	Cloudy	20.2	0.0340	1.79	107.5
16-Mar-07	2.8886	2.8992	1.48	1.48	9848.0	9849.0	1.0	120	Cloudy	23.4	0.0106	1.48	88.7
17-Mar-07	2.8832	2.8964	1.51	1.51	9849.0	9850.0	1.0	146	Rainy	18.3	0.0132	1.51	90.4
19-Mar-07	2.8869	2.9002	1.56	1.56	9874.0	9875.0	1.0	142	Cloudy	17.5	0.0133	1.56	93.8
21-Mar-07	2.8696	2.8843	1.59	1.59	9875.0	9876.0	1.0	154	Cloudy	18.0	0.0147	1.59	95.5
23-Mar-07	2.8213	2.8339	1.51	1.51	9876.0	9877.0	1.0	139	Cloudy	20.3	0.0126	1.51	90.4
26-Mar-07	2.8303	2.8527	1.53	1.53	9901.0	9902.0	1.0	243	Rainy	22.8	0.0224	1.53	92.1
28-Mar-07	2.8912	2.9072	1.53	1.53	9902.0	9903.0	1.0	174	Cloudy	21.7	0.0160	1.53	92.1
29-Mar-07	2.8886	2.9054	1.53	1.53	9903.0	9904.0	1.0	182	Cloudy	23.8	0.0168	1.53	92.1
30-Mar-07	2.8884	2.8992	1.48	1.48	9928.0	9929.0	1.0	122	Cloudy	24.9	0.0108	1.48	88.7

 Min
 92

 Max
 316

 Average
 171

Meteorological Data Extracted from King's Park Stations of the Hong Kong Observatory

			Kin	g's Park Station		
Date	Weather	Average Air Temperature (°C)	Average Wind Speed (km/h)	Average Relative Humiditiy (%)	Total Rainfall (mm)	Wind Direction
02-Mar-07	Cloudy	20.8	10.0	80.0	0.0	SE
05-Mar-07	Rainy	20.9	6.8	78.0	4.0	NE
06-Mar-07	Rainy	14.2	11.0	76.0	5.5	NE
07-Mar-07	Rainy	11.9	8.3	80.0	1.0	NE
09-Mar-07	Cloudy	15.5	9.6	90.0	0.0	SE
12-Mar-07	Cloudy	16.8	14.9	88.0	0.0	SE
14-Mar-07	Cloudy	20.2	8.7	20.2	0.0	SE
16-Mar-07	Cloudy	23.4	5.7	87.0	0.0	SE
17-Mar-07	Rainy	18.3	13.7	90.0	1.0	SE
19-Mar-07	Cloudy	17.5	7.5	77.0	6.5	NE
21-Mar-07	Cloudy	18.0	10.3	71.0	0.0	SE
23-Mar-07	Cloudy	20.3	12.8	82.0	0.0	SE
26-Mar-07	Rainy	22.8	10.6	93.0	1.5	SE
28-Mar-07	Cloudy	21.7	13.0	80.0	0.0	SE
29-Mar-07	Cloudy	23.8	5.8	83.0	0.0	W
30-Mar-07	Cloudy	24.9	7.0	85.0	0.0	NW

Annex H

Calibration Certificates of Water Monitoring Equipment



Form E/CE/R/12 Issue 6 (1/1) [05/05]

todel No.	:		1001		Manufactur	er	: YSI
					Scrial No.		: 97H 04 071 A3
	:		7		Calibration	Due Date	: 17/5/07
of. No. of Reference Th	ermometer	:			E7/2403	101	
cf. No. of Potassium Di	ichromate:				27/0520	1003 /02	
Temperature Verifi	ication	***************************************	·········				
					Temper	ature (°C)	
Theimiom	eter reading				<u> </u>	D+0	
Meter	reading					· 0.0	
Lineality Checking	7						······································
Zinoung Chousing			/ f	3352-141-4	Titration res		m r AA
Purging time, min	I DO m	eter reading	Average	Winkler 1	2	Average	Difference (%) of DO Content
2	7.5/	7.53	7.52	7.48	7. 49	7.49	6,27
5	3.29	5.31	٠ ١٠٠٠	5-22	5.20	5.21	1.71
10	3.5%	3.54	3.45	3, 61.	92.5	3.60	. 1.40
Linear	regression c	oefficient				0.9990	
Zero Point Checkin	OO meter re	ading, mg/l				- වාරද	

Salinity Checking		www.man.aman.acabapa.aaagadda.	- 		· · · · · · · · · · · · · · · · · · ·		
Salinity Checking	DO m	ieter readin	g, mg/L	Winkler	Titration re	sult, mg/L	Difference (%) of DO
Salinity Checking Salinity (ppt)	1	2	g, mg/L	1	2	ult, mg/L Average	Difference (%) of DO Content
Salinity Checking		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Difference (%) of DO Content (.48



	Internal Calibration Report of Turbidimeter								
Equipmer	Equipment Ref. No. : FT/EN/006 (00) Manufacturer : ttf-cit								
Model No	э. : <u>на</u> ен	2100P	Serial No. :	040500031856					
Date of Calibration : 21/2/07 Calibration Due: 20/11/07									
Data .									
	1-60	53-0	540	"					
	0 - 10 NTU	10 - 100 NTU	100 - 1000 NTU						
	Gelex Vial	Gelex Vial	Gelex Vial	<u> </u>					
	S-63	53.2	<u>.</u> (4)						
The equipment complies * / does not comply * with the specified requirements and is deemed acceptable * / unacceptable * for use. * Delete as appropriate									
Calibrate	Calibrated by : Approved by:								



Porm E/EN/L/06/Issut 7 (1/1) [05/05]

LABORATORY SHEET Determination of Total Suspended Solids Dried at 103°C-105°C

Laboratory Information

Client

ERM -- Hong Kong Ltd

Lab. Ref. No.

W 21499 (01-48)

Client Ref. No.

E 70122HK

W. I. No.

EN / 7 / 3 / 103

Source

HK Convention & Exhibition Centre

Date Received

Sample Type

Sea water

Date Tested

271 3 107

Date Sampled

26 1 3 107

Test Method

In-house Method TPE/006/W

No. of Sample

Description

Recovery of Check =

180 X100/ =94.7/2

	Ref. No.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Drying oven used	ET / 0502 /	002	
TSS standard used	J ₂ 73		
		<u> </u>	
Lab. Ref. No.	(01)	(Dup)	(02)

Lab. Ref. No.			₩ <i>≥</i> /¥99 (<u>0</u> 1)	(Dup)	(02)	(03)	(04)	(05)	(06)	(07)
Client sample ID	Blank	Check Std	F3	, F3	F3-D	F4	F4-D	F5	F5-D	E3
Foil Bowl No.	B1	Cī	1	D1	2	3	4	5	6	7
Mass of Filter	1202.4	1318.9	1301.2	1322.1	1327.1	1332.8	1302.9	7.2661	1467	1329.6
+ Foil Bowl (mg) (B)	1302.3	1318.8	1301.1	1321.9	13.6.9	1732.7	1302.8	1335.4	1334.2	1329.5
Vol. of Sample (mL)	500	500	200	200	400	400	400	400	400	400
Mass of Filter	1302.5	1369.0	1302.3	1323.1	1329.0	63×. 8	1304.9	1337-3	1336 - 1	1331.5
+ Foil Bowl	1302.3	1368 - 8	1302.1	1322.9	1328.9	1334·7	1304.B	147.2	B36.0	133/.3
+ S. S. (mg) (A)							:			
Total Suspended Solids (mg/L) *	0	(00	2.0	ه.).	5.0	5.0	5.0	٧.٢	۲.۲	۲.٦
Chloride Check (✓)	/	/	/	/	/				/	
Expanded uncertainty, Uexp				,						

* Total Suspended Solids (mg/L) = (A - B) / Vol. of Sample used x 1000

Check Sample:

Acceptance criteria

Blank: ≤ 0.5mg/L 1.

Yes 🔽

Difference between duplicates: < 10% 2.

Yes 📝

Recovery of spike sample ; 80% to 120% 3.

(%) -120 (%) Yes Yes 🖊 No

PQL

5.0mg/L (Seawater / Drinking water / Wastewater) -

Remark

: ፲፯. g mg Silica Gel H was added to 500ml distilled water as check. ()

No

No

No

mg/L)

Tested By

: 7/-

Checked By :

ade



Form E/EN/L/06/Issue 7 (1/1) [05/05]

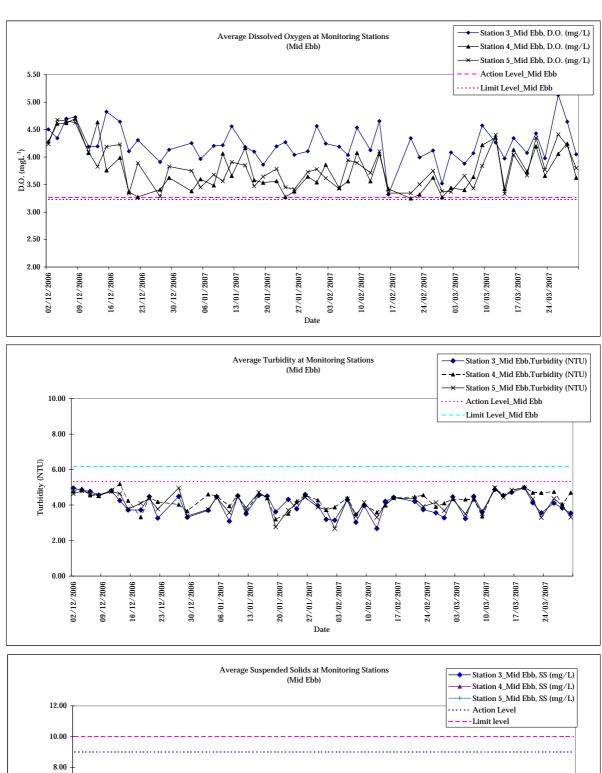
LABORATORY SHEET Determination of Total Suspended Solids Dried at 103°C-105°C

Information provided by	client			į	aborato	ory Infor	mation					
Client :				ı	.ab. Ref.	No. :		•				
Client Ref. No. :				١	V. I. No.	:						
Source :				[Date Rece	eived :	242					
Sample Type :				I	Date Test	ed :	***					
Date Sampled :				7	Test Meth	od :	In-ho	use Meth	od TPE/00	06/W		
No. of Sample :												
Description :				Recov	ery of Sp	of Spike = $\frac{26 - 4.3}{9.5} \times 100\% = 106.8\%$						
Ĭ			Ref. No.									
Drying oven used			0502/0	02								
TSS standard used			ე ⁵ 23	• • • • • • • • • • • • • • • • • • • •								
Lab. Ref. No.	W21499 (08)	(09)	(10)	(11)	(12)	(spike)						
Client sample ID	E3-D	Ë-4	E4-D	E-5	E5-D	E5-D						
Foil Bowl No.	8	9	10	11	12	S1						
Mass of Filter	B13.9	1319.9	1328.1	1302.9	1302.3	1317-1						
+ Foil Bowl (mg) (B)	1313.8	1319.8	1327.9	1302.7	802.1	1317.0				· * · * * · · · · · · · · · · · · · · ·		
			W D THE CONTROL									
Vol. of Sample (mL)	400	400	400	400	200	200						
Mass of Filter	1315-7	1322.0	B30.1	1304.7	BB. (134.4						
+ Foil Bowl	1315.6	1321.8	1328.9	1304.5	1303.0	1374.2						
+ S. S. (mg) (A)												
Total Suspended Solids (mg/L) *	7.4	1.0	5.0	۷.5	٧.٢	36						
Chloride Check (✓)	/	/		/	/	_/						
Expanded uncertainty, Uexp												
*Total Suspended Solids (mg/L)	≖(A-B)	/ Vol. of 8	Sample us	ed x 1000			,			سسس		
Acceptance : 1. Bla	nk : ≤ 0.5	mg/L						Yes	No			
: 2. Diff	erence be	etween o	iuplicates	s : < 10%	•			Yes [] No			
: 3. Red	covery of	spike sa	mple : 80	% to 12	0%			Yes 🗸]. No			
: 4. Che	ack Samp	ole :	80	(%)	120 (%)		Yes] No			
PQL : 5.0mg/L	(Seawate	er / Drink	ing wate	r / Waste	water)							
Remark : 1.9 mg	Silica Gel	H was a	added to	200ml "E	5-D" as	spike (2.14	mg/	'L)			
Tested By : P					Check	ed Bv :		1				

Annex I

Water Quality Monitoring Results

Figure 1 - Water Quality Monitoring Results (Mid Ebb)



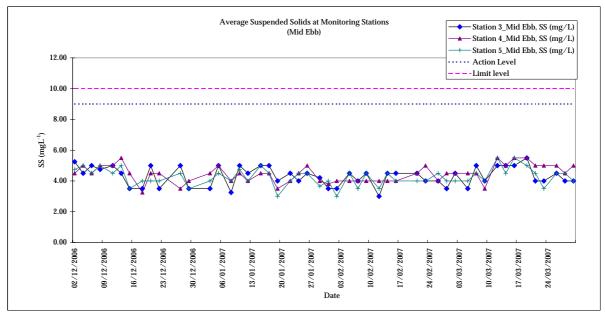
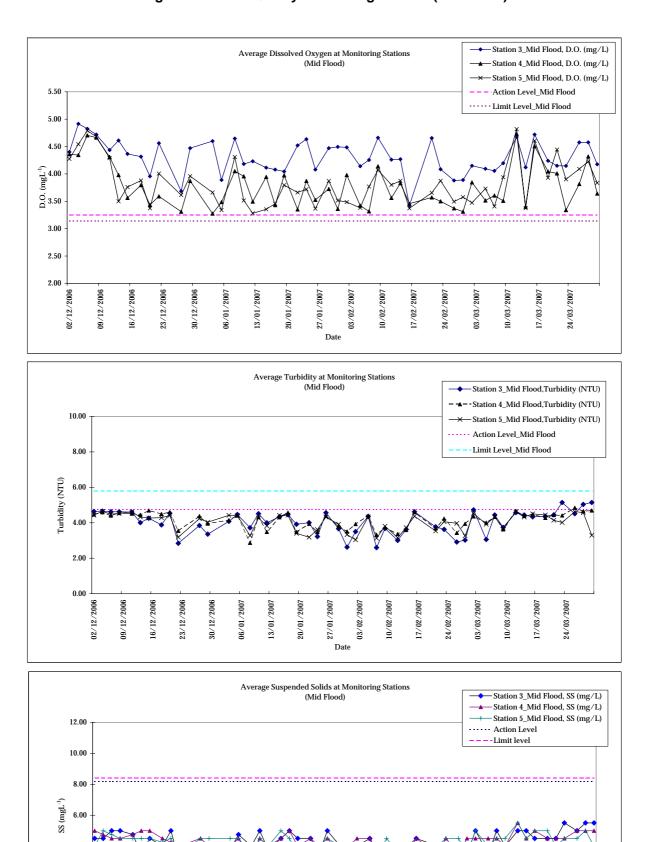


Figure 2 - Water Quality Monitoring Results (Mid Flood)



27/01/2007

03/05/2007

10/02/2007

17/02/2007

24/02/2007

03/03/2002

10/03/2007

24/03/2007

17/03/2007

2.00

0.00

02/15/2006

12/2006

16/12/2006

23/12/2006

30/12/2006

Date		02/03/2007	,		02/03/2007	7		05/03/2007			05/03/2007			07/03/2007			07/03/2007	,		09/03/2007			09/03/2007	7		12/03/2007			12/03/2007	
Time (hh:mm)		12:48 - 12:5	3		18:00 - 18:1	15		13:38 - 13:52	:38 - 13:52		08:11 - 08:26 14:55 -		14:55 - 15:10 09:02 - 09:17		15:14 - 15:22		2	08:48 - 09:02		12	18:30 - 18:40)	09:32 - 09:42		,				
Ambient Temperature		26			27			20		18			13		12			16			16		24			24				
Weather		Fine			Fine			Cloudy			Cloudy			Fine		Fine			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)		7.70			7.90			7.50			8.20			7.70			7.90			8.80			7.60			8.20			8.60	
Monitoring Depth		7.50			7.50			7.50			7.50			7.50			7.50			9.60			7.80			7.50			7.50	
Tide		Mid-Ebb			Mid-Flood	l		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.4	21.5	21.5	21.5	21.6	21.6	19.2	19.3	19.3	19.0	19.0	19.0	20.0	20.0	20.0	19.8	19.7	19.8	18.6	18.5	18.6	18.4	18.6	18.5	26.6	26.5	26.6	26.8	26.8	26.8
Salinity (ppt)	31.6	31.7	31.7	31.3	31.3	31.3	32.3	32.3	32.3	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.7	31.4	31.3	31.4	31.5	31.5	31.5	32.1	32.1	32.1	31.9	31.8	31.9
D.O. (mg/L)	4.05	4.12	4.1	4.07	4.23	4.2	3.91	3.85	3.9	4.12	4.07	4.1	4.03	4.11	4.1	4.09	4.02	4.1	4.62	4.53	4.6	4.17	4.22	4.2	4.25	4.28	4.3	4.69	4.66	4.7
D.O. Saturation (%)	54.3	55.2	54.8	54.5	56.8	55.7	54.2	53.3	53.8	57.3	56.7	57.0	53.8	54.9	54.4	54.6	53.7	54.2	63.8	62.5	63.2	57.5	58.2	57.9	58.2	58.6	58.4	64.2	63.8	64.0
Turbidity (NTU)	4.42	4.50	4.5	4.68	4.77	4.7	3.26	3.21	3.2	3.04	3.08	3.1	4.52	4.46	4.5	4.40	4.48	4.4	3.64	3.60	3.6	3.72	3.76	3.7	4.88	4.87	4.9	4.59	4.57	4.6
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	3.5	3.5	3.5	3.5	3.5	3.5	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0
Remarks		tion of pede	strian tunnel		tion of pedes	strian tunnel ducted		ion of pedest			on of pedes being cond	trian tunnel		ion of pedes being cond			ion of pedes being cond	strian tunnel lucted		ion of pedes being condi		Construction	on of pedes			on of pedes being condu			ion of pedest being condu	

^{*} For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 times the MDL.

Within Action Level ?

Date	02/03	02/03/2007					
D.O. (mg/L)	Υ	Υ					
Turbidity (NTU)	Υ	Υ					
SS (mg/L)	Y	Υ					

Date	02/03	3/2007
D.O. (mg/L)	Y	Υ
Turbidity (NTU)	Y	Υ
SS (mg/L)	Y	Υ

02/03	02/03/2007								
Υ	Υ								
Υ	Υ								
Y	Υ								

)7		05/03	/2007
Υ		Υ	ļ
Υ		Υ	
Υ		Υ	
	-		

05/03	/2007
Υ	Υ
Υ	Υ

١	05/03	/2007
	Υ	Υ
	Υ	Υ
	Υ	Υ

05/03/2007											
Υ	Υ										
Υ	Υ										
Υ	Υ										

07/03/2007								
Υ	Υ							
Υ	Υ							
Υ	Υ							

09/03
Υ
Υ
Υ

09/03/2007							
Υ	Υ						
Υ	Υ						
Υ	Υ						

	12/03	/2007
	Υ	Υ
	Υ	Υ
	Υ	Υ

Υ		Y
Υ		Y
	_	
7		12/0

12/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

Date		14/03/200	7		14/03/2007			16/03/2007			16/03/2007		19/03/2007			19/03/2007				21/03/2007		21/03/2007			23/03/2007			23/03/2007						
Time (hh:mm)	19:10 - 19:25 09:35 - 09:50)		11:30 - 11:40			16:15 - 16:25			13:12 - 13:22			19:10 - 19:20			13:55 - 14:04			08:36 - 08:46			15:48 - 16:00			08:50 - 09:02								
Ambient Temperature		23			22			26			26		18			18			20			20			21			20						
Weather		Sunny			Sunny			Cloudy			Cloudy		Cloudy			Cloudy			Cloudy				Cloudy		Cloudy			Cloudy						
Water Depth (m)		7.80			8.00			8.20		8.80			7.80		8.40		8.40 8.70		9.20			8.60			9.50									
Monitoring Depth	7.50 7.		7.50			7.50			7.50			7.50		7.50		7.50		7.50		7.50		7.50 7.30		7.30			7.30		7.50			7.50		
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood					
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average				
Water Temperature (°C)	20.9	20.9	20.9	20.7	20.7	20.7	23.6	23.6	23.6	23.8	23.8	23.8	20.8	20.9	20.9	20.6	20.6	20.6	20.6	20.7	20.7	20.4	20.5	20.5	21.5	21.6	21.6	21.5	21.5	21.5				
Salinity (ppt)	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.2	31.4	31.4	31.4	31.5	31.4	31.5	32.4	32.6	32.5	32.1	32.2	32.2	30.8	30.8	30.8	30.5	30.6	30.6				
D.O. (mg/L)	3.92	4.03	4.0	4.10	4.14	4.1	4.37	4.32	4.3	4.70	4.74	4.7	4.09	4.06	4.1	4.26	4.22	4.2	4.46	4.40	4.4	4.11	4.19	4.2	3.94	4.02	4.0	4.18	4.11	4.1				
D.O. Saturation (%)	53.0	54.0	53.5	56.2	56.8	56.5	59.8	59.1	59.5	64.3	64.9	64.6	56.0	55.6	55.8	58.3	57.8	58.1	62.0	61.2	61.6	57.1	58.2	57.7	53.1	54.2	53.7	58.4	57.4	57.9				
Turbidity (NTU)	4.51	4.57	4.5	4.41	4.47	4.4	4.70	4.73	4.7	4.32	4.35	4.3	4.98	4.97	5.0	4.37	4.36	4.4	4.16	4.10	4.1	4.42	4.48	4.5	3.59	3.53	3.6	5.11	5.17	5.1				
SS* (mg/L)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.5	5.5	5.5	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.5	4.0	4.0	4.0	5.5	5.5	5.5				
Remarks		ion of pede being con	strian tunnel ducted		ion of pedes being condi			ion of pedest			ion of pedes being cond			on of pedes being cond	trian tunnel		ion of pedes being cond	strian tunnel lucted		ion of pedes being condi			ion of pedes being cond	trian tunnel		on of pedes being cond	trian tunnel ucted		tion of pedes s being cond					

Within Action Level ?

Date	14/03/2007						
D.O. (mg/L)	Υ	Υ					
Turbidity (NTU)	Υ	Υ					
SS (mg/L)	Υ	Υ					

Within Limit Level ?							
Date	14/0	3/2007					
D.O. (mg/L)	Y	Υ					
Turbidity (NTU)	Y	Υ					
SS (mg/L)	Y	Y					

14/03/2007									
Υ	Υ								
Υ	Υ								
Y	Υ								

16/03/2007											
Υ	Υ										
Υ	Y										
Υ	Υ										

16/03/2007				
Υ	-			
Υ	١			
Υ	١			

Ť	Ť	
Υ	Υ	
16/03	/2007	Ì
10/03	12001	
Υ	Υ	

07	
Υ	Υ
Υ	7
Υ	Υ

21/03	/200/	
Υ	Y	Υ
Υ	Y	Υ
Υ	Y	Υ

23/03/2007

/2007	21/03	/2007	23/03	/2007
Υ	Υ	Υ	Υ	Υ
Υ	Υ	Υ	Υ	Υ
Y	Υ	Y	Y	Y

	1																	
Date		26/03/2007		26/03/2007			28/03/2007		28/03/2007		30/03/2007			30/03/2007				
Time (hh:mm)		16:30 - 16:4	1		08:40 - 08:5	0		19:52 - 20:0	12		11:08 - 11:1	8		11:45 - 12:0	0	17:05 - 17:20		
Ambient Temperature		24			23			25			25			25		26		
Weather		Cloudy		С				Cloudy			Cloudy		Sunny			Sunny		
Water Depth (m)		9.00			9.80			9.80			10.20			8.40			8.90	
Monitoring Depth		8.20			7.60			7.50		7.50		7.50		7.50				
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	Tood Mid-Ebb		Mid-Ebb		Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	22.5	22.6	22.6	22.4	22.4	22.4	22.9	23.0	23.0	22.8	22.8	22.8	24.8	24.8	24.8	25.0	25.0	25.0
Salinity (ppt)	30.6	30.6	30.6	30.4	30.3	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.2	30.2	30.2	30.4	30.4	30.4
D.O. (mg/L)	5.10	5.16	5.1	4.54	4.61	4.6	4.62	4.67	4.6	4.59	4.56	4.6	3.98	4.12	4.1	4.15	4.20	4.2
D.O. Saturation (%)	69.9	70.7	70.3	62.2	63.2	62.7	63.7	64.4	64.1	63.3	62.9	63.1	53.5	55.2	54.4	58.1	58.6	58.4
Turbidity (NTU)	4.09	4.13	4.1	4.50	4.52	4.5	3.82	3.85	3.8	5.02	5.05	5.0	3.50	3.58	3.5	5.18	5.10	5.1
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	4.0	4.0	4.0	5.5	5.5	5.5	4.0	4.0	4.0	5.5	5.5	5.5
Remarks		ion of pedes being cond			ion of pedes being cond			ion of pedes being cond			ion of pedes being cond			ion of pedes			ion of pedes	strian tunnel

Within Action Level ?

SS (mg/L)

Date	26/03	26/03/2007				
D.O. (mg/L)	Y	Υ				
Turbidity (NTU)	Y	Υ				
SS (mg/L)	Y	Υ				

Within Limit Level ?						
Date	26/03/2007					
D.O. (mg/L)	Y	Υ				
Touch Latter (ALTER)						

26/03/2007						
Y	Υ					
Y	Υ					
Y	Y					

28/03/2007							
Υ	Υ						
Υ	Υ						
Υ	Υ						

		_
13	/2007	
	Υ	

30/03/2007						
Υ	Υ					
Υ	Υ					
Υ	Υ					

Annex I HKCEC EM&A_WQM_0703.xls, Station	n 3

Date		02/03/200	7		02/03/2007			05/03/2007			05/03/2007			07/03/2007			07/03/2007	,		09/03/2007			09/03/2007			12/03/2007			12/03/2007	
Time (hh:mm)		12:28 - 12:4	13		17:40 - 17:5	5		13:19 - 13:33	3		07:48 - 08:03	3		14:35 - 14:5	0		08:32 - 08:4	7		15:24 - 15:3	6	(09:04 - 09:18	3		18:12 - 18:22	2		09:12 - 09:22	2
Ambient Temperature		26			27			20			18			13			12			16			16	*		24			24	
Weather	Fine Fine			Cloudy				Cloudy			Fine		Fine		Cloudy		Cloudy		Cloudy		Cloudy									
Water Depth (m)	4.50 4.80			3.40 3.80			4.40		4.60		3.60		3.20		3.80		4.00													
Monitoring Depth		5.00			5.00			5.00		5.00		5.00			5.00		5.20		4.80		5.00		5.00							
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	*		Mid-Ebb			Mid-Flood	
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.5	21.5	21.5	21.6	21.6	21.6	19.9	19.9	19.9	19.6	19.5	19.6	19.9	20.0	20.0	19.8	19.8	19.8	18.7	18.8	18.8	18.5	18.6	18.6	26.7	26.7	26.7	27.2	27.2	27.2
Salinity (ppt)	31.6	31.6	31.6	31.2	31.3	31.3	31.9	31.8	31.9	32.1	32.0	32.1	32.6	32.6	32.6	32.6	32.6	32.6	31.6	31.5	31.6	31.7	31.6	31.7	32.0	32.0	32.0	32.0	31.9	32.0
D.O. (mg/L)	3.48	3.40	3.4	4.11	3.58	3.8	3.43	3.37	3.4	3.54	3.49	3.5	3.62	3.66	3.6	3.57	3.64	3.6	4.18	4.26	4.2	3.49	3.53	3.5	4.34	4.37	4.4	4.75	4.71	4.7
D.O. Saturation (%)	46.7	45.7	46.2	55.2	48.0	51.6	47.5	46.7	47.1	49.3	48.6	49.0	48.5	49.0	48.8	47.7	48.7	48.2	57.7	58.8	58.3	48.2	48.7	48.5	59.0	59.4	59.2	65.0	64.5	64.8
Turbidity (NTU)	4.31	4.36	4.3	4.39	4.33	4.4	4.29	4.35	4.3	3.97	4.04	4.0	4.29	4.34	4.3	4.31	4.36	4.3	3.38	3.34	3.4	3.65	3.61	3.6	4.97	4.96	5.0	4.68	4.67	4.7
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.5	3.5	3.5	4.0	4.0	4.0	5.5	5.5	5.5	5.5	5.5	5.5
Remarks		tion tempora ng platform v conducted			tion tempora g platform w conducted	as being		ion temporar g platform wa conducted			ion temporar g platform wa conducted			tion tempora g platform w conducted	as being		ion tempora g platform w conducted	as being		tion tempora g platform w conducted		working	on temporar platform wa conducted			ion temporar g platform wa conducted			ion temporar g platform wa conducted	

^{*} For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Within Action Level ?

SS (mg/L)

Date	02/03/2007					
D.O. (mg/L)	Υ	Υ				
Turbidity (NTU)	Υ	Υ				
SS (mg/L)	Y	Y				

02/03	02/03/2007							
Υ	Y							
Υ	Υ							
Υ	Υ							

05/03	/2007
Υ	Y
Υ	Y
Υ	Y

05/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

07/03	/2007
Υ	Υ
Υ	Υ
Y	Υ

07/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

Within Limit Level ?		
Date	02/03	/2007
D.O. (mg/L)	Υ	Y

02/03/2007							
Y	Υ						
Y	Υ						
Y	Υ						

02/03/2007						
Υ	Υ					
Υ	Υ					
Υ	Υ					

05/03	/2007
Υ	Y
Υ	Y
Υ	Y

05/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

07/0	07/03/2007						
Υ	Υ						
Υ	Υ						
Υ	Υ						

09/03/2007								
Υ	Y							
Υ	Y							
Υ	Υ							

12/0	3/2007
Υ	Y
Υ	Y
Υ	Υ

12/03/2007							
Υ	Υ						
Υ	Υ						
Υ	Υ						

Date		14/03/2007			14/03/2007			16/03/2007		16/03/2007		19/03/2007 19/03/2007			21/03/2007			21/03/2007			23/03/2007			23/03/2007						
Time (hh:mm)		18:50 - 19:0	5		09:15 - 09:3)		11:10 - 11:20)		15:55 - 16:0	5		12:52 - 13:02	2		18:50 - 19:0	0		14:07 - 14:1	6		08:49 - 08:5	5		16:07 - 16:1	19		09:08 - 09:20	1
Ambient Temperature		23			22			26			26			18			18			20			20			21			20	
Weather		Sunny			Sunny			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy	
Water Depth (m)		4.40			4.60			3.80			4.20			3.80			4.20			4.10			4.40			4.00			4.20	
Monitoring Depth		5.00			5.00			5.00			5.00			5.00			5.00			5.20			5.20			5.00			5.00	
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.9	20.8	20.9	20.7	20.7	20.7	23.8	23.8	23.8	23.9	23.9	23.9	20.7	20.7	20.7	20.4	20.4	20.4	20.5	20.4	20.5	20.3	20.3	20.3	21.4	21.4	21.4	21.2	21.3	21.3
Salinity (ppt)	32.1	32.1	32.1	32.0	32.1	32.1	32.1	32.1	32.1	32.0	32.0	32.0	31.2	31.2	31.2	31.1	31.1	31.1	32.1	32.3	32.2	32.2	32.3	32.3	30.7	30.7	30.7	30.3	30.3	30.3
D.O. (mg/L)	3.38	3.46	3.4	3.37	3.43	3.4	4.12	4.15	4.1	4.52	4.49	4.5	3.72	3.75	3.7	4.07	4.02	4.0	4.17	4.22	4.2	3.98	4.04	4.0	3.69	3.63	3.7	3.38	3.30	3.3
D.O. Saturation (%)	45.9	47.1	46.5	45.1	46.3	45.7	56.4	56.8	56.6	61.9	61.5	61.7	50.9	51.3	51.1	55.7	55.0	55.4	57.9	58.7	58.3	55.3	56.2	55.8	49.7	48.9	49.3	47.2	46.1	46.7
Turbidity (NTU)	4.52	4.61	4.6	4.33	4.45	4.4	4.81	4.79	4.8	4.49	4.47	4.5	5.02	5.05	5.0	4.29	4.26	4.3	4.72	4.68	4.7	4.48	4.40	4.4	4.64	4.73	4.7	4.38	4.44	4.4
SS* (mg/L)	5.0	5.0	5.0	4.5	4.5	4.5	5.5	5.5	5.5	5.0	5.0	5.0	5.5	5.5	5.5	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5
Remarks		ion tempora			ion tempora			ion temporar			tion tempora			tion temporar			tion tempora			ion tempora	ring marine		tion tempora			tion tempora			ion temporar	
	WOIKIII	conducted		WOIKIII	conducted	as being	WOIKIN	conducted	is being	WOIKIII	conducted	as being	WOIKIII	conducted	as being	WUIKIII	conducted		WOIKING	conducted		WOIKIN	conducted		WOIKIII	conducted		WOIKIII	conducted	

Within Action Level ?

Date	14/03/2007							
D.O. (mg/L)	Υ	Υ						
Turbidity (NTU)	Υ	Υ						
SS (mg/L)	Υ	Υ						

14/03	3/2007
Υ	Υ
Y	Υ
Y	Υ

16/03	/2007	
Υ	Υ	
Υ	Υ	
Υ	Υ	

16/03/2007						
Υ	Υ					
Υ	Y					
Υ	Υ					

19/03/2007						
Υ	Υ					
Y	Υ					
Υ	Y					

19/03	3/2007
Y	Y
Υ	Y
Υ	Y

23/03	/2007
Y	Y
Y	Y
Y	Y

Within	Limit	Level	?	
Date				

Date	14/03	3/2007
D.O. (mg/L)	Υ	Υ
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

14/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

	16/03	/200
	Υ	
	Υ	
	Υ	

3/2007	
Y	
Y	
Y	

19/0	3/2007
Y	Υ
Y	Υ
Y	Υ

23/03	3/2007
Υ	Υ
Υ	Υ
Υ	Y

	1																	
Date		26/03/2007			26/03/2007	'		28/03/2007			28/03/2007			30/03/2007			30/03/2007	
Time (hh:mm)		16:45 - 16:5	2		08:54 - 09:0	3		19:27 - 19:3	7		10:32 - 10:4	2		11:25 - 11:4	0		16:45 - 17:0	0
Ambient Temperature		24			23			25			25			25			26	
Weather		Cloudy			Cloudy			Cloudy			Cloudy		Sunny Sunny					
Water Depth (m)		4.60			4.40			3.80			4.00		4.20 4.40					
Monitoring Depth		5.20			5.20			5.00			5.00		5.00 5.00					
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1 Trial 2 Average		
Water Temperature (°C)	22.4	22.5	22.5	22.5	22.5	22.5	22.9	22.8	22.9	22.8	22.7	22.8	24.8	24.8	24.8	24.9 25.0 25.0		
Salinity (ppt)	30.5	30.6	30.6	30.7	30.5	30.6	30.6	30.5	30.6	30.7	30.7	30.7	30.3	30.3	30.3	30.3 30.3 30.3		
D.O. (mg/L)	4.03	4.09	4.1	3.79	3.84	3.8	4.27	4.22	4.2	4.30	4.34	4.3	3.66	3.59	3.6	3.62 3.66 3.6		
D.O. Saturation (%)	55.2	56.0	55.6	51.9	52.6	52.3	58.4	57.8	58.1	59.3	59.8	59.6	49.3	48.4	48.9	48.7	49.4	49.1
Turbidity (NTU)	4.79	4.72	4.8	4.87	4.83	4.9	4.04	4.06	4.1	4.67	4.62	4.6	4.68	4.71	4.7	4.65	4.73	4.7
SS* (mg/L)	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0 5.0 5.0 5.0			5.0
Remarks		tion tempora g platform w conducted			ion tempora g platform w conducted			ion tempora g platform w conducted	as being		tion tempora g platform w conducted			ion tempora g platform w conducted	as being		tion tempora ig platform w conducted	

Within Action Level ?

Date	26/03	3/2007
D.O. (mg/L)	Y	Υ
Turbidity (NTU)	Y	Υ
SS (mg/L)	Y	Y

26/03	/2007
Y	Υ
N	N
Y	Υ

28/03/2007					
,	Υ				
,	Υ				
,	Υ				

30/03/2007		
Υ	Υ	
Υ	Υ	
Υ	Υ	

30/03/2007		
Υ	Υ	
Υ	Υ	
Υ	Υ	

Within Limit Level ?	
Date	26/03/20

Date	26/03/2007	
D.O. (mg/L)	Υ	Y
Turbidity (NTU)	Υ	Y
SS (mg/L)	Υ	Υ

26/03/2007		
Y	Υ	
Y	Υ	
Y	Y	

28/03/2007		
Υ	Y	
Υ	Y	
Υ	Y	

28/03/2007		
Υ	Υ	
Υ	Υ	
Υ	Υ	

30/03/2007		30/03	
,	Υ	Υ	
,	Υ	Υ	
,	Υ	Υ	

Water Quality Monitoring Results for Station 5

Date		02/03/200	7		02/03/2007	,		05/03/2007			05/03/2007			07/03/2007	7		07/03/2007			09/03/2007	,		09/03/2007	7		12/03/2007			12/03/2007	,
Time (hh:mm)		11:58 - 12:	13		17:20 - 17:3	5		13:00 - 13:1	4		07:32 - 07:4	4		14:14 - 14:3	30		08:12 - 08:2	7		15:38 - 16:0	2		09:20 - 09:3	15		18:00 - 18:1	0		09:00 - 09:1	0
Ambient Temperature		26			27			20			18			13			12			16			16			24			24	
Weather		Fine			Fine			Cloudy			Cloudy			Fine			Fine			Cloudy			Cloudy			Cloudy			Cloudy	
Water Depth (m)		4.70			4.90			3.60			4.20			4.60			4.80			4.00			3.40			3.80			4.00	
Monitoring Depth		5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.20			5.00			5.00	
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.4	21.4	21.4	21.6	21.6	21.6	19.7	19.6	19.7	19.4	19.4	19.4	20.0	20.0	20.0	19.8	19.8	19.8	18.7	18.6	18.7	18.5	18.6	18.6	26.7	26.7	26.7	27.2	27.2	27.2
Salinity (ppt)	31.7	31.7	31.7	31.2	31.1	31.2	31.9	32.0	32.0	32.0	32.0	32.0	32.6	32.6	32.6	32.6	32.6	32.6	31.2	31.3	31.3	31.5	31.6	31.6	32.1	32.1	32.1	32.1	32.0	32.1
D.O. (mg/L)	3.33	3.41	3.4	3.46	3.49	3.5	3.69	3.63	3.7	3.75	3.71	3.7	3.39	3.47	3.4	3.37	3.44	3.4	3.87	3.81	3.8	3.91	3.97	3.9	4.42	4.39	4.4	4.80	4.84	4.8
D.O. Saturation (%)	44.8	45.9	45.4	46.5	46.9	46.7	51.1	50.3	50.7	52.2	51.6	51.9	45.3	46.4	45.9	45.2	46.1	45.7	53.4	52.7	53.1	54.0	54.8	54.4	60.1	59.7	59.9	65.2	65.7	65.5
Turbidity (NTU)	4.28	4.37	4.3	4.57	4.49	4.5	3.53	3.47	3.5	3.89	3.94	3.9	4.29	4.37	4.3	4.26	4.38	4.3	3.54	3.50	3.5	3.72	3.68	3.7	4.99	4.96	5.0	4.60	4.63	4.6
SS* (mg/L)	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.5	5.5	5.5	5.5	5.5	5.5	5.5
Remarks		tion tempora ng platform v conducted			ction tempora ng platform w conducted			tion tempora g platform w conducted	as being		tion tempora g platform w conducted			tion tempora g platform w conducted	vas being		tion tempora g platform w conducted			tion tempora g platform w conducted	ring marine as being	working	ion tempora g platform w conducted	as being		tion tempora ng platform w conducted			ction tempora ng platform w conducted	vas being

^{*} For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Within Action Level ?

SS (mg/L)

Date	02/03	3/2007
D.O. (mg/L)	Υ	Υ
Turbidity (NTU)	Υ	Υ
SS (mg/L)	Υ	Υ

02/03	02/03/2007				
Υ	Y				
Υ	Υ				
Υ	Υ				

05/03/2007				
Υ	Υ			
Υ	Υ			
Υ	Υ			

05/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

07/03	/2007
Υ	Υ
Υ	Υ
Y	Υ

07/03/2007			
Y	Y		
Y	Υ		
Υ	Υ		

09/03/2007				
Υ	Y			
Υ	Y			
Υ	Y			

Date	02/03	3/2007
D.O. (mg/L)	Υ	Υ
Turbidity (NTU)	Υ	Y

02/03/2007				
Y	Y			
Y	Y			
Y	Y			

05/03	/2007
Υ	Y
Υ	Y
Υ	Υ

05/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

07/03/2007						
Υ	Υ					
Υ	Υ					
Υ	Υ					

12/03/2007							
Υ	Υ						
Υ	Υ						
~	~						

Water Quality Monitoring Results for Station 5

Date		14/03/2007			14/03/2007			16/03/2007			16/03/2007			19/03/2007			19/03/2007			21/03/2007			21/03/2007	,		23/03/2007	,		23/03/2007	
Time (hh:mm)		18:30 - 18:4	5		08:55 - 09:1)		10:57 - 11:07	,		15:42 - 15:52	2		12:40 - 12:50)		18:36 - 18:4	6		14:18 - 14:3	0	08:58 - 09:18		16:23 - 16:38		09:27 - 09:38		3		
Ambient Temperature		23			22			26			26			18			18			20			20			21		1	20	
Weather		Sunny			Sunny			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy	
Water Depth (m)		4.70			4.90			4.00			4.20			3.80			4.20		4.40			5.60			4.00		4.40			
Monitoring Depth		5.00			5.00			5.00			5.00			5.00			5.00			5.60		5.20		5.00		5.00				
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb		Mid-Flood				Mid-Ebb		Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.9	21.0	21.0	20.8	20.8	20.8	23.8	23.8	23.8	23.9	23.8	23.9	20.8	20.8	20.8	20.5	20.5	20.5	20.3	20.3	20.3	20.1	20.2	20.2	21.5	21.5	21.5	21.4	21.4	21.4
Salinity (ppt)	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	31.2	31.2	31.2	31.1	31.1	31.1	32.5	32.4	32.5	32.5	32.4	32.5	30.5	30.6	30.6	30.4	30.3	30.4
D.O. (mg/L)	3.29	3.38	3.3	3.33	3.42	3.4	4.06	4.02	4.0	4.59	4.62	4.6	3.68	3.65	3.7	3.95	3.91	3.9	4.32	4.38	4.4	4.47	4.42	4.4	3.80	3.74	3.8	3.87	3.93	3.9
D.O. Saturation (%)	44.8	45.9	45.4	44.8	45.5	45.2	55.6	55.0	55.3	62.4	62.8	62.6	50.4	50.0	50.2	53.7	53.1	53.4	60.0	60.9	60.5	62.1	61.4	61.8	51.2	50.4	50.8	54.1	54.9	54.5
Turbidity (NTU)	4.40	4.45	4.4	4.28	4.37	4.3	4.84	4.87	4.9	4.51	4.50	4.5	4.99	4.97	5.0	4.43	4.45	4.4	4.36	4.31	4.3	4.17	4.11	4.1	3.25	3.33	3.3	3.97	4.06	4.0
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	4.5	4.5	4.5
Remarks	working	on tempora platform w conducted			ion tempora g platform w conducted			ion temporar platform wa conducted			tion temporar g platform wa conducted			tion temporar g platform wa conducted			tion tempora g platform w conducted			ion tempora g platform w conducted			tion tempora g platform w conducted	as being	working	tion tempora g platform w conducted	as being		on temporar platform wa conducted	

Within Action Level ?

Date	14/03/2007					
D.O. (mg/L)	Υ	Υ				
Turbidity (NTU)	Υ	Υ				
SS (mg/L)	Υ	Υ				

14/03	14/03/2007						
Υ	Υ						
Υ	Υ						
Υ	Υ						

16/03/2007					
Υ	Y				
Υ	Y				
Υ	Y				

16/03	/2007
Υ	Υ
Υ	Υ
Υ	Υ

19/0	3/2007
Υ	Υ
Υ	Y
Υ	Y

2007	Ī	21/03	/2007
Υ		Υ	
Υ		Υ	
Υ		Υ	
	_		

23/03/2007					
Y	Υ				
Y	Υ				
Y	Υ				

Within Limit Level ?	
Date	1

Date	14/03/2007						
D.O. (mg/L)	Υ	Υ					
Turbidity (NTU)	Υ	Υ					
SS (mg/L)	Y	Y					

14/03/2007					
Y	Υ				
Y	Υ				
Y	Υ				

16/03	16/03/2007					
Υ	Υ					
Υ	Υ					
Υ	Υ					

16/03/2007						
Υ	Υ					
Υ	Υ					
Υ	Υ					

23/03	/2007
Y	Υ
Y	Υ
Y	Υ

Water Quality Monitoring Results for Station 5

Date	26/03/2007 26/03/2007		28/03/2007 28/03/2007			30/03/2007			30/03/2007									
Time (hh:mm)	16:58 - 17:08			09:07 - 09:17			19:15 - 19:25		10:20 - 10:30		11:05 - 11:20		16:25 - 16:40					
Ambient Temperature		24		23 25		25		25		26								
Weather	Cloudy				Cloudy			Cloudy		Cloudy		Sunny			Sunny			
Water Depth (m)	4.40				4.60			3.80		4.00		4.40			4.60			
Monitoring Depth		5.20			5.20			5.00		5.00		5.00		5.00				
Tide		Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood	d Mid-E		Mid-Ebb		Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	22.3	22.4	22.4	22.3	22.4	22.4	22.9	22.9	22.9	22.8	22.8	22.8	24.9	24.9	24.9	24.9	25.0	25.0
Salinity (ppt)	30.3	30.5	30.4	30.2	30.4	30.3	30.5	30.4	30.5	30.6	30.6	30.6	30.2	30.2	30.2	30.3	30.4	30.4
D.O. (mg/L)	4.45	4.38	4.4	4.12	4.06	4.1	4.22	4.19	4.2	4.24	4.21	4.2	3.76	3.84	3.8	3.89	3.78	3.8
D.O. Saturation (%)	61.0	60.0	60.5	56.4	55.6	56.0	57.8	57.4	57.6	58.5	58.0	58.3	50.6	51.8	51.2	52.3	51.0	51.7
Turbidity (NTU)	4.39	4.34	4.4	4.65	4.61	4.6	3.95	3.98	4.0	4.59	4.57	4.6	3.23	3.40	3.3	3.22	3.36	3.3
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	4.0
Remarks		ion tempora g platform w conducted			ion tempora g platform w conducted			ion tempora g platform w conducted			tion tempora g platform w conducted			ion tempora g platform w conducted	as being		tion tempora g platform w conducted	

Within Action Level ?

SS (mg/L)

Date	26/03/2007			
D.O. (mg/L)	Υ	Υ		
Turbidity (NTU)	Υ	Υ		
SS (mg/L)	Υ	Υ		

26/03/2007				
Y	Υ			
Y	Υ			
Y	Υ			

28/03/2007				
Υ	Υ			
Υ	Υ			
Υ	Υ			

28/03/2007					
Υ	Υ				
Υ	Υ				
Υ	Υ				

/2007	1	30/03	/2007
Υ		Υ	Υ
Υ		Υ	Υ
Υ		Υ	Υ

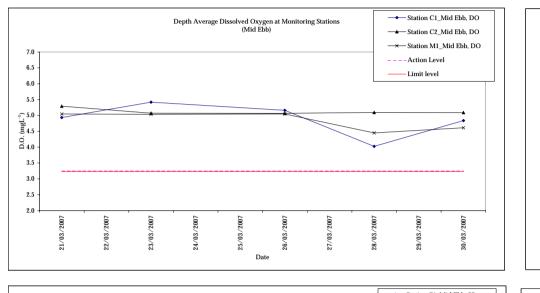
26/03/2007						
Y	Υ					
Y	Υ					
Y	Υ					

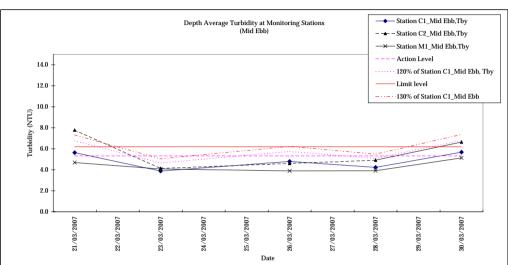
28/03	/2007
Υ	Υ
Υ	Υ
Y	Y

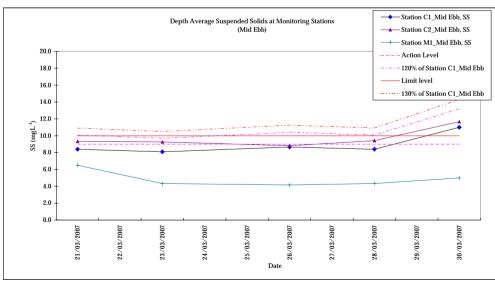
28/03	/2007
Y	Υ
Y	Υ
Y	Υ

Y Y Y Y Y Y	30/03	/2007
Y Y	Υ	Υ
Y Y	Υ	Υ
	Υ	Υ

Figure 3 - Additional Water Quality Monitoring Results (Mid Ebb)







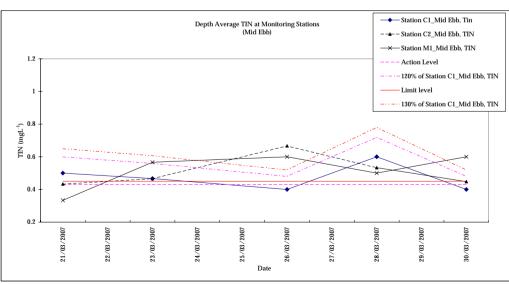
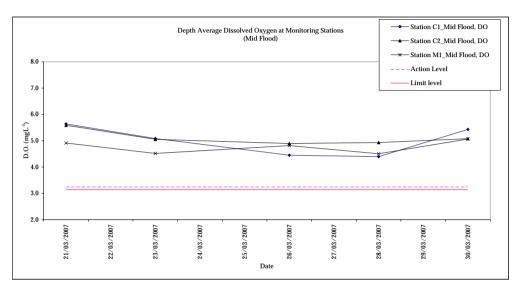
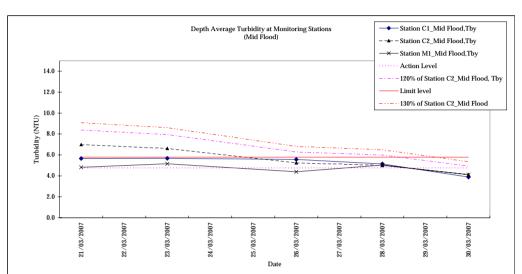
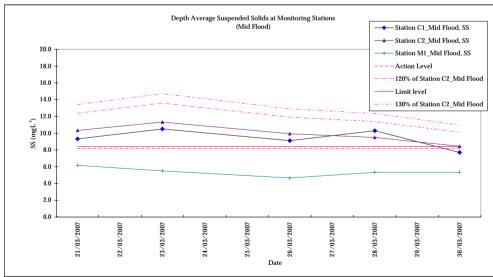
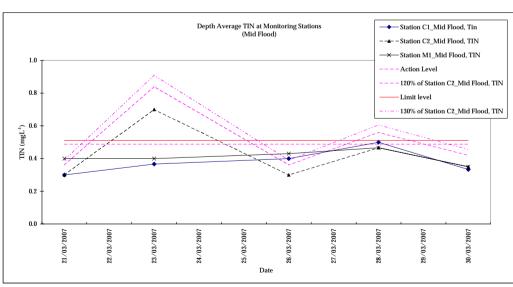


Figure 4 - Additional Water Quality Monitoring Results (Mid Flood)









Water Quality Monitoring Results for Station C1 (Mid-Ebb Tide

_	1						1							1																					1
Date			21	/03/2007						23/0	03/2007						26/0	03/2007						28/0	3/2007						30/0	3/2007			
Time (hh:mm)			13:0	02 - 13:13						14:45	5 - 14:57						18:30	0 - 18:41						18:30	- 18:45						11:05	- 11:20			
Ambient Temperature				20							21							24							25							25			
Weather				Cloudy						С	loudy						С	loudy						Cl	oudy						Si	ınny			
Water Depth (m)				13.60						1	4.00						1	3.20						14	4.00						1-	4.30			
Monitoring Depth	1	.00		6.80	12.6	60		1.	.00	7.	.00	13.00			1	.00	6	.60	12.20			1.	00	7.0	00	13.00			1	.00	7.	20	13.30		
Tide			N	/lid-Ebb						Mi	id-Ebb						Mi	id-Ebb						Mic	l-Ebb						Mic	l-Ebb			
Trial	Trial 1	Trial 2	Trial	1 Trial 2	Trial	1 Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.4	20.5	20.2	20.3	19.9	20.0	20.2	22.6	22.4	21.5	21.6	21.5	21.5	21.9	22.6	22.5	22.3	22.3	22.1	22.0	22.3	22.9	22.9	22.6	22.7	22.3	22.4	22.6	24.8	24.7	24.0	24.2	24.0	24.0	24.3
Salinity (ppt)	32.8	32.7	33.1	33.1	33.3	33.4	33.1	30.4	30.4	30.5	30.6	30.2	30.4	30.4	29.7	29.9	30.6	30.4	30.9	30.8	30.4	30.4	30.4	30.9	30.9	30.8	30.7	30.7	30.2	30.2	30.4	30.4	30.6	30.6	30.4
D.O. (mg/L)	4.64	4.60	4.76	4.82	5.40	5.38	4.9	5.61	5.48	5.70	5.55	5.21	4.96	5.4	5.44	5.49	5.16	5.10	4.92	4.86	5.2	3.88	3.85	4.15	4.19	4.06	4.02	4.0	4.81	4.86	4.39	4.80	5.11	5.07	4.8
D.O. Saturation (%)	63.1	62.6	64.7	65.5	73.4	73.2	67.1	76.6	75.4	77.2	76.7	70.2	69.5	74.3	74.5	75.2	70.7	69.9	67.4	66.6	70.7	53.2	52.9	57.2	57.8	55.6	55.0	55.3	65.1	66.0	63.7	66.9	68.9	68.4	66.5
Turbidity (NTU)	5.55	5.53	5.34	5.30	6.01	6.05	5.6	4.10	4.26	3.79	3.81	3.71	3.62	3.9	5.18	5.14	4.82	4.78	4.40	4.46	4.8	4.27	4.29	4.02	4.05	4.38	4.36	4.2	5.92	5.83	5.05	4.94	6.11	6.17	5.7
SS* (mg/L)	7.2	7.3	9.3	9.3	8.8	8.5	8.4	8.0	8.0	8.3	8.2	8.0	8.0	8.1	9.0	9.0	8.5	8.5	8.5	8.5	8.7	8.5	8.5	8.2	8.2	8.5	8.5	8.4	11.0	11.0	10.0	10.0	12.0	12.0	11.0
NO _x , mg N/L	<	0.1		0.3		0.5	0.4	<(0.1	C	0.3		0.2	0.3	<	0.1	(0.2	C	0.1	0.2	0	.4	0.	.3		0.2	0.3	١).3	<().1	(0.1	0.2
NH ₃ , mg NH ₃ -N/L	(1.3		0.2		0.2	0.2	0	1.3	С	0.3	-	0.3	0.3	(1.3	(0.3	C).3	0.3	0	.4	0.	.3		0.2	0.3	C).4	<().1	<	0.1	0.4
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L		1.3		0.5		0.7	0.5	0	1.3		0.6		0.5	0.5		1.3		0.5		1.4	0.4	0	.8	0	.6		0.4	0.6		1.7	-(0.1		1.1	0.4

^{*} For the values of suspended solids less than Smg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 times the MDL.

Water Quality Monitoring Results for Station C2 (Mid-Ebb Tide

								-																				1							1
Date			21/0	3/2007						23/0	03/2007						26/0	3/2007						28/0	3/2007						30/0	3/2007			
Time (hh:mm)			13:36	6 - 13:50						15:08	8 - 15:22						19:02	- 19:15						18:55	5 - 19:10						11:45	5 - 12:00			
Ambient Temperature				20							21							24							25							25			
Weather			С	loudy						С	loudy						CI	oudy						С	loudy						Sr	unny			
Water Depth (m)			1	4.90						1	4.40						1-	4.80						1	4.60						1-	4.60			
Monitoring Depth	1.	00	7.	.50	13.90			1.	00	7	.20	13.40			1.	00	7.	40	13.80			1.	00	7.	.30	13	3.60		1.0	00	7.5	.50	13.60		
Tide			Mi	d-Ebb	•					Mi	id-Ebb	•					Mic	d-Ebb						Mi	d-Ebb	•					Mic	d-Ebb	•		
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.4	20.3	20.1	20.2	19.9	20.0	20.2	22.2	22.4	21.3	21.3	21.2	21.2	21.6	22.4	22.3	22.2	22.1	22.0	21.9	22.2	22.9	23.0	22.8	22.7	22.3	22.3	22.7	24.7	24.7	24.2	24.3	24.0	24.0	24.3
Salinity (ppt)	32.5	32.6	32.9	32.8	33.1	33.3	32.9	29.8	29.8	30.6	30.6	30.7	30.6	30.4	29.8	29.9	30.6	30.4	30.9	30.9	30.4	30.5	30.4	30.8	30.8	30.8	30.8	30.7	30.4	30.3	30.4	30.4	30.5	30.5	30.4
D.O. (mg/L)	4.64	4.72	5.32	5.36	5.90	5.82	5.3	4.91	4.88	5.21	5.11	5.17	5.13	5.1	5.38	5.30	5.02	5.10	4.76	4.82	5.1	5.37	5.32	5.15	5.11	4.83	4.80	5.1	5.17	5.13	5.12	5.08	5.08	4.97	5.1
D.O. Saturation (%)	63.1	64.2	72.4	72.9	80.2	79.2	72.0	66.3	65.5	69.5	68.3	69.4	68.9	68.0	73.7	72.6	68.8	69.9	65.2	66.0	69.4	74.1	73.4	70.5	70.0	66.1	65.7	70.0	69.4	68.9	68.8	68.6	67.8	66.7	68.4
Turbidity (NTU)	9.52	9.46	7.21	7.24	6.64	6.60	7.8	5.02	4.94	3.24	3.39	4.04	4.14	4.1	4.79	4.83	4.37	4.44	4.58	4.64	4.6	5.01	5.05	4.75	4.72	4.99	4.97	4.9	6.03	6.19	5.26	5.39	8.50	8.44	6.6
SS* (mg/L)	9.0	9.0	10.0	10.0	9.0	9.0	9.3	10.0	10.0	9.0	9.0	8.8	8.8	9.3	9.0	9.3	8.8	8.8	8.5	8.5	8.8	10.0	10.0	9.0	9.0	9.2	9.3	9.4	12.0	12.0	11.0	11.0	12.0	12.0	11.7
NO _x , mg N/L	0	.4	C).2		0.1	0.2	0	.2	(0.2		0.2	0.2	0	.3	0	.2	(0.3	0.3	0	.3	c	0.3	C	1.3	0.3	0	.4	0	1.2).4	0.3
NH ₃ , mg NH ₃ -N/L	0	.2	C).2		0.2	0.2	0	.3	(0.3		0.2	0.3	C	.7	0	.3	(0.2	0.4	0	.2	C).3	C	1.2	0.2	<0).1	0	1.2).1	0.2
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L	0			0.4		0.3	0.4		.5	,	0.5		0.4	0.5		.0		.5	,	0.5	0.7		.5		0.6		1.5	0.5	0.	4	0).5	0.4

^{*} For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Water Quality Monitoring Results for Station M1 (Mid-Ebb Tide

														1							T							1							1
Date			21/	03/2007						23/0	3/2007						26/0	03/2007						28/0	3/2007						30/0	3/2007			4
Time (hh:mm)			13:1	8 - 13:3	0					15:33	3 - 15:44						18:46	6 - 18:57						19:35	5 - 19:50						11:25	- 11:40			
Ambient Temperature				20							21							24							25							25			
Weather			C	Cloudy						CI	loudy						С	loudy						С	loudy						S.	unny			
Water Depth (m)				9.60						ç	9.40						1	0.20						9	9.80						ξ	.40			
Monitoring Depth	1.	00	4	1.80		8.60		1	.00	4.	.70	8.40			1.	00	5	.10	9.20			1.	00	4	.90	8	.80		1.	.00	4.	70	8.40		
Tide			M	lid-Ebb						Mie	d-Ebb						Mi	id-Ebb						Mi	d-Ebb						Mic	d-Ebb			
Trial	Trial 1	Trial 2	Trial 1	Trial	2 Trial	1 Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial :	2 Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.4	20.4	20.0	20.2	19.9	20.0	20.2	21.4	21.4	21.2	21.2	21.1	21.1	21.2	22.5	22.4	22.4	22.3	22.0	22.1	22.3	23.0	23.0	22.7	22.7	22.4	22.5	22.7	24.8	24.8	24.2	24.2	24.0	24.0	24.3
Salinity (ppt)	32.6	32.5	32.8	33.0	33.0	33.2	32.9	30.6	30.6	30.7	30.8	30.7	30.7	30.7	29.8	29.8	30.5	30.6	31.0	31.1	30.5	30.4	30.5	30.9	30.8	30.9	30.9	30.7	30.3	30.3	30.3	30.4	30.6	30.5	30.4
D.O. (mg/L)	5.18	5.12	5.37	5.30	4.62	4.68	5.0	5.00	4.92	5.43	5.28	4.83	4.75	5.0	5.28	5.36	5.10	5.02	4.72	4.78	5.0	4.49	4.45	4.58	4.54	4.30	4.33	4.4	4.25	4.38	5.00	4.92	4.52	4.59	4.6
D.O. Saturation (%)	70.4	69.6	73.0	72.1	62.8	63.6	68.6	71.3	70.1	73.2	71.6	65.8	64.9	69.5	72.3	73.4	69.9	68.8	64.7	65.5	69.1	61.9	61.4	63.2	62.6	59.3	59.7	61.4	59.6	61.2	67.3	66.5	59.0	59.8	62.2
Turbidity (NTU)	5.08	5.04	4.46	4.50	4.52	4.50	4.7	3.84	3.87	4.17	4.23	4.05	4.28	4.1	4.04	4.08	3.86	3.90	3.75	3.71	3.9	3.97	3.96	3.85	3.81	3.90	3.94	3.9	4.47	4.61	5.23	5.33	5.58	5.52	5.1
SS* (mg/L)	6.0	6.0	7.0	7.0	6.5	6.5	6.5	4.0	4.0	4.5	4.5	4.5	4.5	4.3	4.5	4.5	4.0	4.0	4.0	4.0	4.2	4.5	4.5	4.0	4.0	4.5	4.5	4.3	4.5	4.5	5.0	5.0	5.5	5.5	5.0
NO _x , mg N/L	0	.3		0.1		<0.1	0.2	(0.2	0	1.3		0.3	0.3	C	.3	(0.3		0.5	0.4	0	.2	0	0.3		0.3	0.3	0	0.3	0	.4		0.5	0.4
NH ₃ , mg NH ₃ -N/L	0	.2		0.3		0.1	0.2	(0.3	0	1.3	- 1	0.3	0.3	С	.2	(0.3		0.2	0.2	C	.3	C).3	-	0.1	0.2	О).2	0	.4		<0.1	0.3
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L	0	.5		0.4		0.1	0.3		0.5	0	1.6		0.6	0.6	0	.5		0.6		0.7	0.6	o	.5	().6		0.4	0.5	c).5	С	.8		0.5	0.6

^{*}For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Water Quality Monitoring Results for Station C1 (Mid-Flood Tide

	T .						T							T							1							1							1
Date				3/2007							3/2007			1				3/2007							3/2007				\vdash			3/2007			
Time (hh:mm)			07:4	1 - 08:01						07:55	5 - 08:08						09:30	- 09:41						09:30	09:45						16:25	- 16:40			
Ambient Temperature				20							20							23							25							26			
Weather			С	loudy						С	loudy						CI	oudy						С	loudy						s	unny			
Water Depth (m)			1	3.40						1	4.00						1	3.70						1	4.60						1	4.30			
Monitoring Depth	1.	00	6	.70		12.40		1.0	00	7.	.00	13.00)		1.	00	6.	85	12.70			1.	00	7.	.30	13.60	1		1.	.00	7.	20	1	3.30	
Tide			Mic	l-Flood						Mic	f-Flood						Mid	-Flood						Mid	l-Flood	•					Mid	l-Flood	•		
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.3	20.2	20.1	20.1	20.0	20.0	20.1	22.1	22.0	21.5	21.5	21.3	21.3	21.6	22.4	22.4	22.1	22.1	22.2	22.2	22.2	22.7	22.7	22.4	22.4	22.3	22.4	22.5	24.9	24.9	24.2	24.1	24.0	24.0	24.4
Salinity (ppt)	33.0	33.1	32.9	33.0	32.8	33.0	33.0	28.6	28.6	29.4	29.4	29.5	29.5	29.2	29.5	29.5	29.9	30.0	30.0	30.0	29.8	30.4	30.4	30.8	30.7	30.8	30.8	30.7	30.1	30.1	30.3	30.3	30.5	30.5	30.3
D.O. (mg/L)	5.38	5.30	6.74	6.68	4.82	4.90	5.6	5.18	5.11	5.07	5.00	5.09	5.03	5.1	4.58	4.55	4.46	4.43	4.35	4.31	4.4	4.39	4.42	4.58	4.55	4.19	4.23	4.4	5.60	5.51	5.48	5.59	5.24	5.16	5.4
D.O. Saturation (%)	73.1	72.1	91.7	90.8	65.5	66.6	76.6	70.6	69.5	68.1	67.3	68.6	67.8	68.7	62.6	62.2	60.8	60.4	59.9	58.9	60.8	60.1	60.5	62.7	62.3	57.4	57.9	60.2	76.5	75.4	75.4	77.1	70.4	69.7	74.1
Turbidity (NTU)	6.03	6.05	4.72	4.66	6.26	6.29	5.7	5.96	5.74	5.04	4.98	6.21	6.14	5.7	5.50	5.52	5.39	5.40	5.80	5.81	5.6	4.64	4.63	5.36	5.37	5.42	5.45	5.1	4.17	4.23	3.77	3.81	3.78	3.60	3.9
SS* (mg/L)	9.5	9.8	9.0	9.0	9.3	9.3	9.3	10.0	10.0	9.5	9.5	12.0	12.0	10.5	9.0	9.2	8.5	8.5	9.7	9.8	9.1	9.0	8.8	11.0	11.0	11.0	11.0	10.3	8.0	8.2	7.5	7.5	7.5	7.5	7.7
NO _x , mg N/L	<(0.1	<	0.1		<0.1	<0.1	<0	.1	<	0.1		0.2	0.2	<	0.1	0	.1	-	0.2	0.2	0	.2	<	0.1		0.1	0.2	<(0.1	<	0.1		0.1	<0.1
NH ₃ , mg NH ₃ -N/L	0	.3	().3		0.3	0.3	0.	3	C	0.3		0.3	0.3	C	.3	0	.3		0.3	0.3	0	.5	C).4		0.3	0.4	С).4	C	1.3).3	0.3
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L	0	.3).3		0.3	0.3	0.	3).3		0.5	0.4		.3	0	.4		0.5	0.4	0	.7		1.4		0.4	0.5		1.4	0	1.3		1.3	0.3

^{*} For the values of suspended solids less than Smg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Water Quality Monitoring Results for Station C2 (Mid-Flood Tide

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Date			21/0	3/2007						23/0	03/2007						26	/03/2007						28/0	3/2007						30/0	3/2007			
Time (hh:mm)			08:24	- 08:35						08:15	5 - 08:27						10:	06 - 10:15						10:00	0 - 10:15						17:05	5 - 17:20			
Ambient Temperature				20							20							23							25							26			
Weather			CI	oudy						С	loudy							Cloudy						С	loudy						Sr	unny			
Water Depth (m)			1:	5.20						1	5.40							15.20						1	5.00						1-	4.90			
Monitoring Depth	1	.00	7.	60	1	14.20		1.	.00	7.	.70	14.40				1.00		7.60	14.20			1.	00	7	.50	14.00			1.	.00	7.	.50	18	3.90	
Tide			Mid	-Flood						Mic	l-Flood						М	lid-Flood						Mic	l-Flood						Mid	l-Flood			
Trial	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial	1 Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.4	20.3	20.2	20.2	19.9	20.0	20.2	21.9	21.7	21.3	21.2	21.1	21.1	21.4	22.4	22.5	22.2	22.2	22.0	22.1	22.2	22.4	22.4	22.0	22.0	22.1	22.0	22.2	24.8	24.8	24.2	24.3	24.1	24.1	24.4
Salinity (ppt)	32.7	32.5	32.9	32.7	33.1	33.2	32.9	29.8	29.8	30.2	30.2	30.3	30.2	30.1	29.8	29.7	30.3	30.4	30.5	30.4	30.2	30.7	30.7	30.6	30.5	30.6	30.6	30.6	30.1	30.2	30.3	30.4	30.5	30.4	30.3
D.O. (mg/L)	4.44	4.51	6.01	6.09	6.22	6.26	5.6	5.06	5.02	5.18	5.25	5.02	4.79	5.1	5.12	5.18	4.96	5.02	4.58	4.50	4.9	4.94	4.91	5.07	5.02	4.83	4.80	4.9	4.98	4.82	5.27	5.11	5.18	5.09	5.1
D.O. Saturation (%)	60.4	61.3	81.7	82.8	84.6	85.1	76.0	68.5	67.6	69.5	70.6	67.5	65.6	68.2	70.1	71.0	67.9	68.8	62.7	61.7	67.0	68.1	67.7	69.9	69.2	66.6	66.2	68.0	67.1	64.9	69.8	68.3	69.5	68.4	68.0
Turbidity (NTU)	9.03	9.06	6.87	6.80	5.12	5.06	7.0	6.08	5.99	5.24	5.50	8.51	8.45	6.6	5.38	5.36	5.10	5.18	5.22	5.24	5.2	5.18	5.23	4.89	4.82	4.96	4.92	5.0	5.02	5.08	3.22	3.26	4.02	4.15	4.1
SS* (mg/L)	9.0	9.0	11.0	11.0	11.0	11.0	10.3	11.0	11.0	10.0	10.0	13.0	13.0	11.3	8.8	8.8	10.0	10.0	11.0	11.0	9.9	10.0	10.0	9.0	9.0	9.5	9.5	9.5	10.0	10.0	7.3	7.2	8.2	8.0	8.5
NO _x , mg N/L	<	0.1	<(0.1		<0.1	<0.1	<	0.1	<	0.1	(0.6	0.6		<0.1		<0.1		:0.1	<0.1	C	.2	().1		0.1	0.1	0).2	<0).1	<	0.1	0.2
NH ₃ , mg NH ₃ -N/L).3	0	.3		0.3	0.3	0).3	C).3	(0.9	0.5		0.3		0.3		0.3	0.3	C	.4	().2		0.4	0.3	0	0.3	<0).1	С	0.2	0.3
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L																																			
).3	0	.3		0.3	0.3	0).3	C).3		1.5	0.7		0.3		0.3		0.3	0.3	C	.6	().3		0.5	0.5	0).5	<0	J.1	0).2	0.4

^{*}For the values of suspended solids less than \$mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Water Quality Monitoring Results for Station M1 (Mid-Flood Tide

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Date			21/	03/2007						23/0	3/2007						26/0	3/2007						28/0	3/2007						30/03	3/2007			1
Time (hh:mm)			08:0	5 - 08:19)]			08:35	- 08:46						09:48	3 - 09:57						10:5	0 - 11:05						16:45	- 17:00			1
Ambient Temperature				20							20							23							25						;	26			1
Weather			(Cloudy						CI	loudy						С	loudy						С	loudy						Sı	unny			1
Water Depth (m)				9.80						1	0.20						1	0.60						1	0.20						9	.70		I.	
Monitoring Depth	1.	.00		1.90		8.80		1	.00	5.	.10	9.20			1.	00	5	.30	9.60			1	.00	5	.10	9.20			1.	.00	4.5	50	8.70	1	ĺ
Tide			Mi	d-Flood	•					Mid	l-Flood						Mic	i-Flood	•					Mic	d-Flood						Mid	-Flood	•		ĺ
Trial	Trial 1	Trial 2	Trial 1	Trial 2	2 Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average	Trial 1	Trial 2	Trial 1	Trial 2	Trial 1	Trial 2	Depth Average
Water Temperature (°C)	20.4	20.3	20.2	20.3	20.1	20.0	20.2	21.4	21.3	21.1	21.1	20.9	20.9	21.1	22.3	22.4	22.1	22.2	22.0	22.1	22.2	22.8	22.8	22.6	22.6	22.6	22.7	22.7	24.9	24.9	24.2	24.2	24.0	24.1	24.4
Salinity (ppt)	32.9	33.1	33.2	33.0	33.1	33.4	33.1	30.3	30.5	30.5	30.5	30.5	30.4	30.5	29.7	29.6	30.2	30.1	30.4	30.3	30.1	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.2	30.2	30.3	30.3	30.4	30.5	30.3
D.O. (mg/L)	4.92	5.00	5.67	5.72	4.04	4.12	4.9	4.23	4.59	4.58	4.49	4.54	4.66	4.5	4.87	4.96	4.62	4.70	4.91	4.84	4.8	4.67	4.61	4.49	4.45	4.42	4.37	4.5	5.08	4.91	5.38	5.43	4.86	4.72	5.1
D.O. Saturation (%)	66.9	68.0	77.1	77.8	54.9	56.0	66.8	59.4	63.0	64.0	62.9	59.2	60.6	61.5	66.7	67.9	63.3	64.4	67.3	66.3	66.0	63.9	63.1	61.9	61.4	60.9	60.3	61.9	72.0	70.3	72.6	73.2	66.4	64.6	69.9
Turbidity (NTU)	5.14	5.10	4.76	4.72	4.64	4.60	4.8	4.59	4.62	5.28	5.34	5.60	5.53	5.2	4.43	4.47	4.31	4.35	4.40	4.36	4.4	5.07	5.02	4.98	4.95	5.10	5.14	5.0	3.86	3.97	4.17	4.29	4.19	4.21	4.1
SS* (mg/L)	5.0	5.0	6.5	6.5	7.0	7.0	6.2	5.0	5.0	5.5	5.5	6.0	6.0	5.5	4.5	4.5	4.5	4.5	5.0	5.0	4.7	5.5	5.5	5.0	5.0	5.5	5.5	5.3	5.0	5.0	5.5	5.5	5.5	5.5	5.3
NO _x , mg N/L	<	0.1		0.3		<0.1	0.3	<	0.1	0	1.2	<	0.1	0.2	0	.2	().4		0.1	0.2	().2	().1	0).2	0.2	<(0.1	<0).1	<	:0.1	<0.1
NH ₃ , mg NH ₃ -N/L	C	0.3		0.3		0.3	0.3	(1.3	0	1.4	().3	0.3	0	.2	().1		0.3	0.2	().4	(0.3	0).2	0.3	<(0.1	0.	.4	(0.3	0.4
Total Inorganic Nitrogen (Ammonia + NO _x), mg/L	0).3		0.6		0.3	0.4		1.3	0	1.6	().3	0.4	0	.4).5		0.4	0.4).6		0.4	0).4	0.5	<	0.1	0.	.4		0.3	0.4

^{*} For the values of suspended solids less than 5mg/L (PQL), the results are for reference only. PQL stands for practical quantitation Limit, or lowest reporting limit, which is estimated from the method detection limit (MDL). Normally PQL is about 5 tim

Annex J

Event / Action Plans for Air and Water Quality Monitoring

Table J1 Event Action Plans for Air Quality

Event		Action		
Action Level	ET	Contractor	ER	IEC
Exceedance for one sample	 Identify source Notify IEC, ER and Contractor within 1 working day after receiving the laboratory results. Conduct additional monitoring to investigate the causes. Report the investigation results and if exceedance is due to contractor's construction works to the IEC, ER and Contractor. Increase monitoring frequency to once per 2 days for 24-hour TSP and daily for 1-hour TSP until exceedance stops if exceedances are considered related to contractor's construction works and report the results to IEC, ER and Contractor within 1 working day after receiving the laboratory results. 	 Take immediate action to avoid further exceedance and rectify any unacceptable practice. Submit air mitigation proposal to IEC and ER for agreement within 3 working days if ET indicated that exceedance is related to the construction works Implement agreed proposal within a time scale agreed with ER and IEC. 	 Confirm receipt of notification of failure in writing. Notify Contractor. Require Contractor to submit air mitigation proposal. Ensure remedial measures are properly implemented. 	 Review monitoring data and investigation report submitted by ET. Review Contractor's air mitigation proposal and advise the ER accordingly. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.
Exceedance for two or more consecutive samples	 Identify source Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results Conduct additional monitoring to investigate the causes. Report the investigation results and if exceedances are due to contractor's construction works to EPD, IEC, ER and Contractor within 3 working days after additional monitoring. Increase monitoring frequency to daily for 24-hour TSP and 1-hour TSP if exceedances are considered related to contractor's construction works until exceedance stops, and report the results to EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results. If exceedances continue after 1-week monitoring events, request ER to arrange meeting with ER, IEC and contractor to discuss remedial actions. 	 Take immediate action to avoid further exceedance and rectify any unacceptable practice In consultation with the IEC, submit air mitigation proposal to IEC and ER for agreement within 3 working days of notification if ET indicated that exceedances are related to construction works Implement agreed proposal within a time scale agreed with ER and IEC. Amend working methods if appropriate. 	 Confirm receipt of notification of failure in writing. Notify Contractor. Require Contractor to submit air mitigation proposal. Ensure remedial measures are properly implemented. 	 Review monitoring data and investigation report submitted by ET. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal. Review Contractor's air mitigation proposal and advise the ER accordingly. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.

Event		Action		
Limit Level	ET	Contractor	ER	IEC
Exceedance for one sample	 Identify source Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results Conduct additional monitoring to investigate the causes. Report the investigation results and if exceedances are due to contractor's construction works to EPD, IEC, ER and Contractor within 3 working days after additional monitoring. Increase monitoring frequency to daily if exceedances are considered related to contractor's construction works until exceedance stops, and report the results to EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results. 	 Take immediate action to avoid further exceedance and rectify any unacceptable practice In consultation with the IEC, submit air mitigation proposal to IEC and ER for agreement within 3 working days of notification if ET indicated that exceedances are related to construction works Implement agreed proposal within a time scale agreed with ER and IEC. Amend working methods if appropriate. 	 Confirm receipt of notification of failure in writing. Notify Contractor. Require Contractor to submit air mitigation proposal. Ensure remedial measures are properly implemented. 	 Review monitoring data and investigation report submitted by ET. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal. Review Contractor's air mitigation proposal and advise the ER accordingly. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.
Exceedance for two or more consecutive samples	 Identify source Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results Conduct additional monitoring to investigate the causes. Report the investigation results and if exceedances are due to contractor's construction works to EPD, IEC, ER and Contractor within 3 working days after additional monitoring. Increase monitoring frequency to daily if exceedances are considered related to contractor's construction works until exceedance stops, and report the results to EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results. If exceedances continue after 2 consecutive monitoring events, request ER to arrange meeting with IEC and contractor to discuss remedial actions. 	 Take immediate action to avoid further exceedance and rectify any unacceptable practice In consultation with the IEC, submit air mitigation proposal to IEC and ER for agreement within 3 working days of notification if ET indicated that exceedances are related to construction works Implement agreed proposal within a time scale agreed with ER and IEC. Amend working methods and proposal if appropriate. Stop relevant portion(s) of works as required by ER, ET and IEC 	 Confirm receipt of notification of failure in writing. Notify Contractor. Require Contractor to submit air mitigation proposal. Ensure remedial measures are properly implemented. If exceedances continue arrange meeting with Contractor, IEC and ET and to consider what portion(s) of works should be further mitigated or have to stop. 	 Review monitoring data and investigation report submitted by ET. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal. Review Contractor's air mitigation proposal and advise the ER accordingly. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.

 Table J2
 Event Action Plans for Water Quality

Event		Ac	tion	
	ET	IC(E)	ER	Contractor
Action level being exceeded by one sampling day	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IC(E) and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IC(E) and Contractor; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next day of exceedance. 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with IC(E) on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IC(E) and propose mitigation measures to IC(E) and ER; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	 Identify source(s) of impact; Inform IC(E) and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IC(E) and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next working day of exceedance. 	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	 Discuss with IC(E) on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IC(E) and propose mitigation measures to IC(E) and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)

Event		Ac	tion	
	ET	IC(E)	ER	Contractor
Limit level being exceeded by one sampling day	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IC(E), contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IC(E), ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with IC(E), ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IC(E) and ER and propose mitigation measures to IC(E) and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by more than one consecutive sampling days	 Identify source(s) of impact; Inform IC(E), contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IC(E), ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Discuss with IC(E), ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures; Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified) 	 Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IC(E) and ER and propose mitigation measures to IC(E) and ER within 3working days; Implement the agreed mitigation measures; As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities. (The above actions should be taken within 1 working day after the exceedance is identified)

Annex K

Summary of Implementation Status

Annex K - Summary of Environmental Protection / Mitigation Activities

Environmental Permit No. EP-239/2006/A

EP Condition Ref	Submission	Action Required by the Permit Holder	Implementation Status		
	Measures for Mitigating Water Quality Impact				
2.4	Method statement on silt screens for seawater intakes (including design and maintenance requirements)	2 weeks before commencement of marine pile installation works	Method statement was submitted to the EPD on 21/6/06.		
			Method statement (Revision A) was submitted to the EPD on 29/9/06.		
2.5	Method statement on silt curtain system for marine piling works (including design and maintenance requirements)	2 weeks before commencement of marine pile installation works	Method statement was submitted to the EPD on 15/9/06.		
2.8	Design drawings specifying pile dimension and layout	2 weeks before commencement of marine pile installation works	Marine pile layout (final stage) was submitted to the EPD on 15/2/07.		
			Revised marine pile layout (final stage) was submitted to the EPD on $26/3/07$.		
Measures for M	litigating Air Quality Impact				
2.9	Design drawings of ventilation facility for fresh air intakes (req'd only before operation of Project)	2 weeks before commencement of installation of ventilation facility			
Measures for M	litigating Landscape and Visual Impact				
2.10	Implementation programme for landscape and visual mitigation measures (for both construction and operational phases of Project)	Within 6 months after commencement of construction of Project	Implementation programme (CM01, CM04 and CM05) was submitted to the EPD on 8/12/06. Proposal for CM03 was submitted to the EPD on 8/12/06. Proposal for CM01, CM04 and CM05 was submitted to the EPD on 15/12/06. CM01 Rev 1 was submitted to the EPD on 22/1/07. Proposal CM02 was submitted to the EPD on 13/3/07.		
2.10	Details of each landscape and visual mitigation measures package (incl plans)	2 weeks before implementation of a particular mitigation package	Proposal on protection and transplantation of existing trees was submitted to the EPD on 8/12/06.		
3.2	Baseline Monitoring Report	One week before the commencement of construction	Report was submitted to the EPD on 24/7/06 and comments from the EPD was received on 3/8/06. Revised report was submitted to EPD on 17/8/06 and no further comments received.		

Type of	Environmental Protection Measures	Location/ Timing	Status			
Impact		-				
Construction Pl	Construction Phase					
Air Quality	 The Air Pollution Control (Construction Dust) Regulation shall be implemented and good site practices shall be incorporated in the contract clauses to minimize construction dust impact. A number of practical measures are listed below: skip hoist for material transport should be totally enclosed by impervious sheeting; every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site; the area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; where a site boundary adjoins a road, streets or other accessible to the public, hoarding of not less than 2.4 m high from ground level should be provided along the entire length except for a site entrance or exit; every stock of more than 20 bags of cement should be covered entirely by impervious sheeting placed in an area sheltered on the top and the 3 sides; all dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet; the height from which excavated materials dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading; the load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle; and instigation of an environmental monitoring auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise. 	Work site / during construction				

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
Operational Pha			
Air Quality	Some fresh air intakes of the Hong Kong Convention and Exhibition Centre Phase I, Renaissance Harbour View Hotel and Grand Hyatt Hotel (ASRs A4, A5 and A6) should be re-diverted to the new air vent shaft provided for Atrium Link Extension where fresh air intake located at +55.8mPD.	Location of ASRs A4, A5 & A6 / Design & Operation Stage (Long-term and Interim Scenario)	Measures not required until commencement of operational phase
Air Quality	Monitoring of NO ₂ concentration underneath the Atrium Link Extension should be conducted.	Underneath the deckover / The first six months upon completion of the ALE.	Measures not required until commencement of operational phase
Construction Page 1	hase	1	1
Noise	 Good Site Practice: only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program; silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program; mobile plant, if any, should be sited as far from NSRs as possible; machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from onsite construction activities; Environmental audit shall be carried out to ensure that appropriate noise control measures would be properly implemented. 	Construction work areas / Construction period	

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact Operational Pha	oga.		<u> </u>
Noise Noise	The following noise reduction measures should be considered as far as practicable during detailed design:	Plant Room / Design and Operation Stage	Relevant design and plant procurement procedures to commence at a later stage
Construction Pl	nase		
Water Quality	There should be no permanent structure in the water channel.	At the ALE sea channel / during operational phase	√
Water Quality	No dredging and no reclamation should be carried out for the Project.	At work sites / during construction phase	√
Water Quality	The marine pile layout as shown in Figure 2.6 of the EIA report should be adopted. No more than approximately 80 numbers of temporary marine piles should be installed in the ALE sea channel during the construction phase. The dimension of each temporary marine pile should be 800mm nominal diameter. These piles should be driven into position and internal space should not be excavated, i.e. left as soil. No dredging or soil /sediment excavation should be carried out. Marine piles would be removed by reverse driving.	At work sites / during construction phase	Only Stages 1 & 2 marine piling works have commenced and relevant environmental measures were implemented
Water Quality	Two layers of silt curtain should be installed around each of the marine piling and pile extraction locations. The proposed silt curtain should be extended to seabed with sinker blocks and regularly inspected and maintained to ensure it is serviceable.	At marine work sites and nearby seawater intakes / during marine piling and marine pile extraction	Δ

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact	All marine works should be carried out in a controlled manner such that release of sediments into the marine environment would be minimized. All wastewater generated from the piling activities should be collected and be treated before controlled discharge. Spoil should also be properly collected for proper disposal.		
Water Quality	In view of the close vicinity of the seawater intakes to the work site, silt screens are recommended to be deployed at the seawater intakes shown in Figure 5.2 of the EIA report during the whole construction period. Silt screens to be provided at seawater intakes should be regularly checked and maintained to ensure that they are serviceable. Refuse collection vessel should be mobilized on a need basis to collect any floating refuse lost from/trapped at the work site during the construction period.	At seawater intakes / during the whole construction period	√
Water Quality	Surface run-off from construction sites should be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels or earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels at site boundaries should be provided where necessary to intercept storm runoff from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks. Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. Any practical options for the diversion and re-alignment of drainage should comply with both engineering and environmental requirements in order to ensure adequate hydraulic capacity of all drains. Minimum distances of 100 m should be maintained between the discharge points of construction site runoff and the nearby saltwater intakes.	Works areas / construction period	Δ

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
Water Quality	There is a need to apply to EPD for a discharge license for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge license. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. Reuse and recycling of the treated effluent can minimize water consumption and reduce the effluent discharge volume. The beneficial uses of the treated effluent may include dust suppression, wheel washing and general cleaning. It is anticipated that only a small quantity of wastewater would be generated from the works areas. Any effluent discharge from the construction activities should be diverted away from the sea channel so as to avoid adverse water quality impact. Construction works should be programmed to minimize excavation works in rainy seasons (April to September). If excavation in soil could not be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should always be in place to ensure that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm.	Works areas / construction period	
Water Quality	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary. Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations	Works areas / construction period	

Environmental Resources Management

Hip Hing - Ngo Kee Joint Venture

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	should be discharged into storm drains via silt removal facilities. Open stockpiles of construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.		
Water Quality	Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	Works areas / construction period	Δ
Water Quality	Under normal circumstances, groundwater pumped out of wells, etc. for the lowering of ground water level in basement or foundation construction should be discharged into storm drains after the removal of silt in silt removal facilities.	Works areas / construction period	√
Water Quality	Water used in ground boring and drilling or rock /soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.	Works areas / construction period	√ ·
Water Quality	Wastewater generated from the washing down of mixing trucks and drum mixers and similar equipment should whenever practicable be recycled. The discharge of wastewater should be kept to a minimum.	Works areas / construction period	√

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an online standby pump of adequate capacity and with automatic alternating devices.		
	Under normal circumstances, surplus wastewater may be discharged into foul sewers after treatment in silt removal and pH adjustment facilities (to within the pH range of 6 to 10). Disposal of wastewater into storm drains will require more elaborate treatment.		
Water Quality	All vehicles and plant should be cleaned before they leave a construction site to ensure no earth, mud, debris and the like is deposited by them on roads.	Works areas / construction period	Δ
	A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfall to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.		
Water Quality	Bentonite slurries used in diaphragm wall and bore-pile construction should be reconditioned and reused wherever practicable. If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis.	Works areas / construction period	V
	If the used bentonite slurry is intended to be disposed of through the public drainage system, it should be treated to the respective effluent standards applicable to foul sewer, storm drains or the receiving waters as set out in the WPCO Technical Memorandum on Effluent Standards.		

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	Water used in water testing to check leakage of structures and pipes should be reused for other purposes as far as practicable. Surplus unpolluted water could be discharged into storm drains. Sterilization is commonly accomplished by chlorination. Specific advice from EPD should be sought during the design stage of the works with regard to the disposal of the sterilizing water. The sterilizing water should be reused wherever practicable. Discharge of sterilization effluent should be properly pre-treated for compliance with TM/WPCO requirements, such as but not limited to total residual chlorine.	Works areas / construction period	
Water Quality	Effluent discharges from building construction and other construction site activities are subject to WPCO control. Before commencing any demolition works, all sewer and drainage connections should be sealed to prevent building debris, soil, sand etc. from entering public sewers/drains. Wastewater generated from building construction activities including concreting, plastering, internal decoration, cleaning of works and similar activities should not be discharged into the stormwater drainage system. If the wastewater is to be discharged into foul sewers, it should undergo the removal of settleable solids in a silt removal facility, and pH adjustment as necessary.	Works areas / construction period	
Water Quality	Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers. If there is no public foul sewer in the vicinity, the neutralized wastewater should be tinkered off site for disposal into foul sewers or treated to a standard acceptable to storm drains and the receiving waters.	Works areas / construction period	No acidic wastewater will be generated.
Water Quality	Wastewater collected from canteen kitchens, including that from basins, sinks and floor drains, should be discharged into foul	Works areas / construction period	√

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	sewer via grease traps capable of providing at least 20 minutes retention during peak flow.		
	Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptors with peak storm bypass.		
	Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance.		
Water Quality	It is recommended to provide sufficient chemical toilets in the works areas. The toilet facilities should be more than 30 m from the seafront or any watercourse. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	Works areas / construction period	
	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment. Regular environmental audit on the construction site can provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site.		
Water Quality	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Works areas / construction period	V
Water Quality	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and	Works areas / construction period	V

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges. Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport; • chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and • storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.		
Water Quality	 To minimize the potential water quality impacts from the construction works located at or near the storm system or seafront, the following mitigation measures should be adopted: the use of less or smaller construction plants may be specified to reduce the disturbance to the seabed; temporary sewerage system should be designed to prevent wastewater from entering the storm system and sea; temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any water courses during carrying out of the construction works; stockpiling of construction materials and dusty materials should be covered and located away from any water courses; construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby water receivers; construction activities, which generate large amount of 	Works areas / construction period	Δ

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	 wastewater, should be carried out in a distance away from the waterfront, where practicable; mitigation measures to control site runoff from entering the nearby water environment should be implemented to minimize water quality impacts. Surface channels should be provided along the edge of the waterfront within the work sites to intercept the runoff; construction effluent, site run-off and sewage should be properly collected and/or treated; proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/sea; and supervisory staff should be assigned to station on site to closely supervise and monitor the works. 		
Water Quality	If monitoring of the treated effluent quality from the Works Areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the WPCO license which is under the ambit of regional office (RO) of EPD. The contractor should submit detailed monitoring programme to EPD for approval before commencement of the construction activities.	Works areas / construction period	√
Water Quality	Monitoring of the water quality at the seawater intakes inside the ALE sea channel should be conducted.	ALE sea channel / Before construction period and during installation and removal of temporary marine piles.	√
Water Quality	All barges should be fitted with tight seals to their bottom opening to prevent leakage of materials. The decks of all vessels should be kept tidy and free of oil or other substances that might be accidentally or otherwise washed overboard. Loading of barges should be controlled to prevent splashing of materials to the surrounding environment and barges should under no circumstances be filled to a level which would cause overflowing of material or sediment laden water during loading and transportation. All barges should maintain adequate clearance between vessels and the seabed at all states of the tide and	Works areas / construction period	No barge will be required for the project.

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	should operate at a reduced speeds to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.		
Water Quality	Connection of sewage generated from the ALE will be connected to the existing public sewer. For handling, treatment and disposal of other operational stage effluent, the practices outlined in ProPECC PN 5/93 should be adopted where applicable. Consensus from DSD should be sought on technical details of the drainage and sewerage proposals.	Project site / design and construction period	Relevant works have yet to be commenced / completed
Construction P	l hase	<u>I</u>	L
Waste	 Recommendations for good site practices during the construction activities include: nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all Wastes generated at the site; training of site personnel in proper waste management and chemical handling procedures; provision of sufficient waste disposal points and regular collection of waste; appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. 	Work site / during the construction period	Δ
Waste	 Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: sorting of demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (ie soil, broken concrete, metal, etc); segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or 	Work site / during the construction period	√ ·

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	 recycling of materials and their proper disposal; encourage collection of aluminum cans by individual collectors by providing separate labeled bins to enable this waste to be segregated from other general refuse generated by the work force; proper storage and site practices to minimize the potential for damage to contamination of construction materials; and plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste. 		
Waste	General Refuse General refuse should be stored in enclosed bins or compaction units separate from C&D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Work site / during the construction period	Δ
Waste	 Construction and Demolition Material In order to minimize the impact resulting from collection and transportation of C&D material for off-site disposal, the C&D material from the following construction activities should be reused and recycled as far as possible to reduce the net amount of C&D material generated from the Project; a Waste Management Plan should be prepared in accordance with ETWB TCW No. 19/2005; a recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed; in order to monitor the disposal of C&D and solid wastes at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be included. One may make 	Work site / during the construction period	

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
	 reference to ETWB TCW No.31/2004 for details; the large amount of C&D waste generated is mainly due to the piling works of large diameter piles' excavation at the sea front site. If however marine sediment is found during pile excavation, the handling and disposal of such wastes will be managed in accordance with the requirements of the DASO and the current ETWB Tech. Circular no. 34/2002. 		
Waste	Chemical Wastes If chemical wastes are produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container Indicating the corresponding chemical characteristics of the chemical waste, such as explosives, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. For this Project, the amount of chemical wastes produced would be small.	Work site / during the construction period	
Operational Pha			
Waste	General Refuse Similar to the existing situation, the main waste type generated during the operation stage of the Project will be general refuse generated by the public and staff. These include waste paper, food wrappings and beverage containers. The disposal of future waste arisings generated at the HKCEC would follow the existing handling and disposal arrangement. Provided proper	Work site / during the construction period	Measures not required until commencement of operational phase

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
Impact	arrangements are made with licensed contractors to collect the generated waste, adverse waste-related impact is not anticipated during the operation stage. It is expected that there will be a 5-7% increase ratio in the future operations.		
Construction Ph	iase	I	
Landscape & Visual	Due consideration of appearance and view to 'hide' the construction through careful use of: (a) hoarding design; (b) temporary partition walls; (c) screen for hotels; and (d) temporary footbridge.	Entire works area and adjacent hotels	√
Landscape & Visual	Due consideration to protect existing trees.	Entire works area	√
Landscape & Visual	Due consideration of visual impact from construction activities: (a) construction workers access to reach construction areas without passing through hotels and existing HKCEC; and (b) construction light.	Entire works area	√ ·
Operational Pha	l Se	<u> </u>	<u></u>
Landscape & Visual	Sensitive soft and hard landscape design for exposed rooftop garden and shady covered area underneath the Atrium Link Extension. Maximize greening opportunity via various in-situ planting and potted planting to achieve 30% of the roof area as planting area for the project.	Roof top and area underneath the Atrium Link Extension	Mitigation measures to be implemented during operational phase
Landscape & Visual	Sensitive building architecture to visually reduce the bulkiness of the building structure, to visually break down the scale of the facades, and to create rooftops for greening opportunities.	Building of the Atrium Link Extension	Mitigation measures to be implemented during operational phase
Landscape & Visual	Appearance and view considerations: (a) avoid industrial feel of building service elements;	Entire proposed works and adjacent hotels	Mitigation measures to be implemented during operational phase

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	(b) interior visual screens for lower levels of the hotels;(c) consider relocation of facilities of interior spaces of hotels; and(d) careful lighting design at roofs and for building façade to avoid night-time glare.		
Landscape & Visual	Transplanting of trees to adjacent locations.	Convention Avenue	Mitigation measures to be implemented during operational phase
Landscape & Visual	Reinstatement of existing waterfront public footpaths along Convention Avenue and the existing open spaces near Fenwick Street.	Convention Avenue and Fenwick Street	Mitigation measures to be implemented during operational phase

Remark:

- $\sqrt{}$ Compliance of Mitigation Measures
- Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Hip Hing Ngo Kee JV
- Δ Deficiency of Mitigation Measures but rectified by Hip Hing Ngo Kee JV

Annex L

Waste Flow Table

HKCEC - Atrium Link Extension Project

Name of Project Proponent: HKTDC **Project Commencement Date: 1 Aug 2006 Construction Completion Date: March 2009**

Monthly Summary Waste Flow Table for Year 2006

Year	Actual Quantities of inert C&D Materials (in 10 ³ Kg) (1)					Actual Quantities of C&D Wastes (in 10 ³ Kg) ⁽⁴⁾									
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill		Steel on of existing om Link		terials Demolition of existing working platform Paper/cardboard packaging		General Other refuse waste		Chemical Waste		
	(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Disposal	Disposal	Recycle	Disposal
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
August	264	0	1	0	263	0	0	0	0	0	1	50	81	0	0
Septembe	1509 ⁽²⁾	0	2	0	1507	0	0	0	0	0	1	60	215	0	0
October	1380	0	2 (3)	0	1378	30 (5)	0	0	0	0	1	55	532 ⁽⁶⁾	0	0
November	2091	0	1 (3)	0	2090	100 (5)	0	0	0	0	1.5	50	115 ⁽⁶⁾	0	0
December	1717	0	1 (3)	0	1716	80 (5)	0	0	0	0.2	0.1	60	50	0	0
Total	6961	0	7	0	6954	210	0	0	0	0.2	4.6	275	993	0	0

Note:

⁽¹⁾ Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.
(2) Inert C&D material mainly generated from construction of foundation.
(3) Reused for building bunds and making sand bags.

⁽⁴⁾ C&D wastes include steel materials generated from demolition, paper / cardboard packaging waste, chemical waste and other wastes such as general refuse. Wastes other than general refuse will be disposed of at Tsueng Kwan O Area 137 temporary construction waste sorting facility.

⁽⁵⁾ Waste from demolition of steel structure at existing Atrium Link of HKCEC (Phase 2).

⁽⁶⁾ Wastes include materials associated with additional and alternation (A&A) works of HKCEC (e.g. demolition of E&M equipment and finishing materials, bamboo scaffolding) and piling works.

HKCEC – Expansion Project

Name of Project Proponent: HKTDC **Project Commencement Date: 1 Aug 2006 Construction Completion Date: March 2009**

Monthly Summary Waste Flow Table for Year 2007

Year	Ac	tual Quantitie	es of inert C&	&D Materials (in 10 ³ Kg) ⁽¹⁾				Actual Qua	ntities of C&D	Wastes (in 10 ³	Kg) ⁽⁴⁾			
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill		Steel n of existing m Link		of existing platform		ardboard aging		al Waste L)	General refuse	Other waste
	(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Disposal	Disposal
January	924	462	0.5	0	462	90	0	0	0	0.2	0.05	0	0	60	80
February	814	110	0.5	0	704	5	0	0	0	0.2	0.07	0	288	66	55
March	583	66	0.5	0	517	0	0	0	0	0	0.05	0	0	77	33
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2321	638	1.5	0	1683	95	0	0	0	0.4	0.017	0	288	203	168

Note:

⁽¹⁾ Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.
(2) Inert C&D material mainly generated from construction of foundation.
(3) Reused for building bunds and making sand bags.

⁽⁴⁾ C&D wastes include steel materials generated from demolition, paper / cardboard packaging waste, chemical waste and other wastes such as general refuse. Wastes other than general refuse will be disposed of at Tsueng Kwan O Area 137 temporary construction waste sorting facility.

⁽⁵⁾ Waste from demolition of steel structure at existing Atrium Link of HKCEC (Phase 2).

⁽⁶⁾ Wastes include materials associated with additional and alternation (A&A) works of HKCEC (e.g. demolition of E&M equipment and finishing materials, bamboo scaffolding) and piling works.

Annex M

Construction Programme for Next Three Months

	·						mme Rev.1 Updating on 3	3Apr2007						
ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	2006 Dec Jan	Feb	Mar	Apr	May	Jun	Jul	
	PROJECT WIDE	23%	Fri 26/5/06	NA	Fri 26/5/06	Wed 11/3/09	navious total solidate process	The state of the s	ens san renggis napatia	3/4/07			Social and Later to	
2	Critical Dates	23%	Fri 26/5/06	NA.	Fri 26/5/06	Wed 11/3/09	- graffyn o chan ei gan dain o e	and a second respectively of	mana garaga dan karan da da da garang da		Pitter entre transport auchore	Elistron variations i	e., plánou a migra destado	PROFESSOR
3	Project Milestones	0%	Fri 26/5/06	NA	Fri 26/5/06	Wed 11/3/09	ja švija is termina mašarama kilošita presidin	populations and one of the	eristration representations and talkers	7377 1 U.S. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bundy HowPerculai	Marie emisperationes	I Millione en e	
9	Commencement of Bored Pile Works	100%	Mon 11/9/06	Mon 11/9/06	Mon 11/9/06	Mon 11/9/06	:	•	•	1				
	RIP for GBP With Fire Engineering Approval	0%	NA.	NA NA	Wed 15/11/06	Wed 15/11/06	:							
10	Assembly of Steel Panel Truss A1	0%	NA NA	, NA	Sat 23/12/06	Sat 23/12/06				1	•			
11	· · · · · · · · · · · · · · · · · · ·	<u> </u>	Fri 15/9/06	Fri 24/11/06	Fri 15/9/06	Sat 4/11/06	;	. 🎢	, ,	1				
52	For GL 17/A&B Columns Construction and level 10.4 west portion	1 t	1	Thu 28/9/06	Fri 15/9/06	Thu 28/9/06	:	/						
53	WP Hoarding Design Preparation & Submission	100%	Fri 15/9/06			Fri 20/10/06	: /	/	•					
54	Design Check by Independent Checking Engineer	100%	Fri 29/9/06	Fri 24/11/06	Fri 29/9/06		: /	•						
55	DDR for Hoarding Plan for PM	100%	Wed 25/10/06	Wed 8/11/06	Fri 20/10/06	Sat 4/11/06				1				
56	For New Pedestrian Diversion Access (Beside A1 Truss)	100%	Wed 20/9/06	Thu 4/1/07	Wed 20/9/06	Wed 29/11/06				1				
57	WP Hoarding Design Preparation & Submission	100%	Wed 20/9/06	Fri 3/11/06	Wed 20/9/06	Thu 2/11/06	/ :			- 1				
58	Design Check by Independent Checking Engineer	100%	Fri 3/11/06	Tue 2/1/07	Fri 3/11/06	Wed 15/11/06				1				
59	DDR for Hoarding Plan for PM	100%	Thu 4/1/07	Thu 4/1/07	Thu 16/11/06	Wed 29/11/06	/ :			1				
70	For Stage 1A (at level 1)	100%	Mon 24/7/06	Fri 8/9/06	Mon 24/7/06	Fri 8/9/06				1		•		
71	Hoarding Design Preparation & Submission	100%	Mon 24/7/06	· Tue 8/8/06	Mon 24/7/05	Tue 8/8/06				1				
72	RIP/DDR by Independent Checking Engineer	100%	Wed 9/8/06	Mon 4/9/06	Wed 9/8/06	Mon 4/9/06			•		•			
73	RIP/DDR for Hoarding Plan by PM	100%	Tue 5/9/06	Fri 8/9/06	Tue 5/9/06	Fri 8/9/06					•			
		100%	Fri 1/12/06	Mon 5/2/07	Fri 1/12/06	Mon 15/1/07		gyaryani biyaraka hatxani.435;			,			
74	For Stage 2 to 3 (at level 1)	100%	Fri 1/12/06	Wed 20/12/06	Fri 1/12/06	1		•						
75	Hoarding Design Preparation & Submission	100%	Fri 22/12/06	Sat 27/1/07	Fri 15/12/06	1	Control of the contro							
76	RIP/DDR by Independent Checking Engineer	i ;	1	Mon 5/2/07	Tue 2/1/07	Mon 15/1/07	in difference in the second	A Control of Control o			•			
77	RIP/DDR for Hoarding Plan by PM	100%	Mon 29/1/07			1								
78	Temporary Working Platform over water channel (including foundation)	99%	Tue 15/8/06	NA	I	i	:					***		
79	Temp. Platform Design Preparation & Submission	100%	Tue 15/8/06	Thu 7/9/06	Į	ŧ	:			1				
80	Design Check by Independent Checking Engineer	100%	· Fri 8/9/06	Fri 6/10/06	i	:] :		•	1				
81	DDR by PM	99%	Thu 12/10/06	· NA	Fri 6/10/06	1	:			1				
82	DDR for Temporary Working Platform	0%	NA	NA.	Sat 21/10/06	Sat 21/10/06	:	•		•				
83	Foundation design for Temporary Pedestrian Access Platform in Phase 2	100%	Fri 25/8/06	Fri 20/10/06	Fri 25/8/06	Thu 2/11/06	:		•					
84	Preparation & Submission	100%	Fri 25/8/06	Sat 16/9/06	Fri 25/8/06	Sat 16/9/06	-		•	- 1				
85	Design Check by Design Checker	100%	Mon 18/9/06	Fri 6/10/06	Mon 18/9/06	Fri 6/10/06	: `			1			•	
86	DDR for Submission by PM	100%	Fri 6/10/06	Fri 20/10/06	Mon 9/10/06	Thu 2/11/06	1 :	1						
115	Demolition of Existing Atrium Link	93%	Thu 5/10/06	NA.	Thu 5/10/06	Fri 2/2/07	AMANGER CONSISTENS WHEN	and the state of t	HERMANISTAN AND SERVED	1	•			
116	BS Diversion Plan	100%	Fri 6/10/06	Tue 9/1/07	:	Tue 19/12/06	anno in minor a madelli kan pa		•	1.				
1	Design BS Diversion Preparation & Submission	100%	Fri 6/10/06	Sat 25/11/06	1	1 .		•		1	•			
117	· · · · · · · · · · · · · · · · · · ·	100%	Mon 27/11/06	Sat 16/12/06	1	1				1			4.	
118	Design Check by Design Checker	100%	Mon 18/12/06	Tue 9/1/07	1	1	- Contraction	_		1				
119	RIP / DDR by PM and HKCEC	100%	Tue 9/1/07	Tue 9/1/07	1	1	ACCUSED AND PROPERTY.	,						
120	RIP / DDR for Diversion Plan	1		NA	1	1								
121	Demolition Plan	89%	Thu 5/10/06		P	į.						•		
122	Demolition Plan Preparation & Submission	100%	Thu 5/10/06	Sat 20/1/07	•	1		era Bellouida		1				
123	Design Check by Design Checker .	99%	Sat 20/1/07	N.A	1	1	1		500040					
124	RIP / DDR for Submission by PM	0%	NA.	N.A	ł	‡	1		22222					
125	RIP / DDR for Demolition Plan	0%	. NA	NA	1	1	:		-		Control of the last of the last	and the second state of the second state of	Annea (Company)	Escapaciones
126	Heavy Lifting / Sliding Sytstem for Steel Roof Trusses	51%	Fri 1/12/06	N.A	i			AND THE BUT THE SECOND	2-7-15 Contract Contr		A Department of Anna Property and Anna Property of the Anna Property of	CO TO PASSAGE TO COMPANY OF		
127	Design Preparation & Submission	98%	Fri 1/12/06	N/	ī	i .	Children and a series of constructive and an	Bases Berte comments für nammen.	00000000000000000000000000000000000000					
128	Capital Cutline & Columns Stability	70%	Thu 11/1/07	. NA	Fri 15/12/06	\$	1	A CITTLE		B				
129	Capital Connection	20%	Mon 5/2/07	N/	Sat 23/12/06	Thu 11/1/07		∄		, , , ф. , , esse				
130	Design Check by Design Checker	0%	NA	N/	Thu 11/1/07	7 Thu 11/1/07	1 :				:00:0:00:0			
131	Detailed Design Preparation	0%	NA	N/A	Fri 12/1/07	7 Thu 5/4/07	T				155555	0000000000	3	
132	Design Check by Designer for Permanent & Existing Structures	0%	NA NA	N/	Fri 6/4/0	7 Fri 13/4/07	:							<u> </u>
133	Design Check by IDC	0%	NA NA	· · · · NA	Sat 14/4/0	7 Mon 30/4/07				- 000				
1	Pontoons for Construction Works	99%		1	•	Tue 12/12/06	25734211.e5350.ibe-wit-p-0/8256554eg.ph	CONTRACTOR OF THE PROPERTY OF		- 1				
134		100%	Wed 1/11/06	1			-i :	Ţ		1				
135	Pontoons Design Preparation & Submission	100%	Mon 27/11/06	Thu 4/1/07		1								
136	Design Check by Independent Checking Engineer	99%	Mon 27/11/08 Fri 5/1/07	1		1	The state of the s		•					
137	DDR for Pontoons by PM	1	! .	į	1	1	. 56	The Paris		1				
138	Tree Transplant	100%	Fri 21/7/06					\		1				
139	Tree Transplant Proposal Submission to Town Planing Board	100%	Fri 21/7/06	Fri 21/7/08	Fri 21/7/0	6 Fri 21/7/00	<u>'li</u>							
	HKCEC Expansion Project Task Experimental this rolling programme based on master P			elasta etroster	Summary	Security of the second	*		Group By Summary Baseline 1					
Date: 3	Ins rolling programme based on master P Critical Task	Mileston	e 💠	•	Split		Project Summary	A .	DESCRIPT					
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רו פו	Fask Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	2006						<u> </u>				
				Wed 6/12/06	Fri 21/7/06	Fri 20/10/06	Dec	Jan		Feb	Mar		Apr	i M	ay	Jun	Jul
.140	Approval from PlanD / LandsD	100%	Fri 21/7/06		<u> </u>	t			3/4/07	20-57-03-03-03-63	and a supplemental to the	enceneration and the second	NAME OF TAXABLE PARTY.	distance and the second	454 555 000 000	National Association (National Association of the Contract of	
141	Design Submission & Approval (Permanent Works)	80%	Thu 25/5/06	NA	:	Sat 14/4/07 Wed 15/11/08					***************************************					•	
142	. Fire Engineering Report A	88%	Sat 8/7/06	NA NA	i	1	ľ	:	. •				1.		•		
143	Preparation of GBP and Fire Engineering Report A	100%	Sat 8/7/06	Tue 29/8/06	Sat 8/7/06	Tue 29/8/06		•	:				1.				
144	Submission of GBP with FER to PM	100%	Tue 29/8/06	Tue 29/8/06	Tue 29/8/06	Tue 29/8/06	J .	:									
145	1st FSC Meeting	100%	Wed 13/9/06	Wed 13/9/06	Wed 13/9/06	I		:				-					,
146	Issue of Comments from FSC	. 100%	Thu 14/9/06	Wed 4/10/06	Thu 14/9/06	;	1	:					1			•	
147	Preparation and Resubmission to FSC	100%	Thu 14/9/06	Wed 11/10/06	Thu 14/9/06	Wed 11/10/06	1 .	:					1.				
148	2nd FSC Meeting	100%	· Wed 15/11/06	Wed 15/11/06	Wed 1/11/06	Wed 1/11/06	1	:		,	. `						
149	Approval from FSC	0%	NA	NA NA	Thu 2/11/06	Wed 15/11/06		:					1				•
150	General Building Plan	99%	Wed 14/6/06	NA	Wed 14/6/06	Wed 15/11/06	•				•		1				•
151	GBP Preparation & Submission	100%	Wed 14/6/06	Mon 10/7/06	Wed 14/6/06	Mon 10/7/06	1			-			1				
		100%	Tue 11/7/06	Mon 14/8/06	Tue 11/7/06	1	1	:					1 .		:		
152	• -	100%	Tue 15/8/06	Fri 8/9/06	ŧ	1	-				+ +		-		•		
153	GBP (Amendement) Preparation & submission	100%	Sat 9/9/06	Fn 6/10/06	1	1	1	:		,	•		1				
154	2nd Design Check by Design Checker	1 :.±.	1	NA NA	i	1	1	:					- 1				•
155	RIP/DDR by PM	99%	Tue 15/8/06		i	1		; .			:	٠,	1			-	
156	Review of Modification Application by ASD	100%	Tue 3/10/06	Mon 27/11/06	Į.	1		:									
157	RIP/DDR Approval for GBP & Amendment	0%	NA NA	NA.	1	·											
158	OTTV Calculations	85%	Thu 12/10/06	NA	1	1	1	1,53,220,253,250	PERA KERALE	*			1				
159	Preparation & Submission	100%	Thu 12/10/06	Sat 30/12/06	;	i .	the seven state of the second section of	a :					1.				
160	Design Check by Design Checker	99%	Tue 2/1/07	. NA		1	. .	, and the same of	-				.				
161	RIP/DDR by PM	0%	NA NA	: NA	Tue 19/12/06	:	ŧ	H	<i></i>	J							
162	RIP/DDR for OTTV	0%	NA	· NA	Sat 6/1/07	Sat 6/1/0	7	:	\rightarrow	> .							
163	A&A Works for HKCEC Phase 1	80%	Tue 22/8/06	NA	Tue 22/8/06	Sat 30/12/0	Market Service Control of the Contro	war-New Controlled	resove efficie	o-consequence			1.				
164	A&A Works Design Preparation	100%	Tue 22/8/06	Tue 26/9/06	Tue 22/8/06	Tue 26/9/0		;		. *			1				
165	Submission to BD	100%	Mon 11/9/06	Wed 29/11/06	Wed 27/9/06	Wed 1/11/0	d						- 1			•	•
	Design Check by Design Checker	0%	NA.	NA	1	1	īĿ	:					1 .		•	*	
166		0%	· NA	NA NA	1	1	لتعل	:					1.		•		•
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169	Structural Detailed Design Preparation	100%		Tue 7/11/06	• •		1 \	;					-			-	
170	Submission to BD	100%	Wed 8/11/06	Thu 4/1/07	1		Towns of the Part	ation.									
171	Design Check by Design Checker	100%	Tue 14/11/06	Wed 24/1/07	‡			<u> Adamentaria</u>	6440000				1				
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173	. DDR for Submission by PM	100%	Mon 29/1/07	Mon 12/2/07	Mon 27/11/06	1	1	∃:\		muse seems							•
. 175	A&A Works for HKCEC Phase 2	100%	Fri 8/9/06.	Mon 8/1/07	i	1	1			÷	* ***		1				
176	. A&A Works Design Preparation & Submission	100%	Fri 8/9/06	Fri 20/10/06	Fri 8/9/06	Thu 26/10/0	1	:\					-				
177	Design Check by Design Checker	100%	Fri 20/10/06	Fri 15/12/06	Fri 27/10/08	Tue 7/11/0	THE REPORT OF THE PARTY OF THE	: \					ł				
178	RIP for PM	100%	Sat 16/12/06	Mon 8/1/07	Wed 8/11/06	Wed 22/11/0											
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180	Detailed Design Preparation (superced by GBP Amendement Plan)	100%	Tue 17/10/06	Thu 19/10/06	Tue 24/10/06	Tue 28/11/0	5	: •	./ .				1.				
181	D. V. Ob. J. D. Jan Charles	100%	Fri 20/10/06	Sat 16/12/06	Wed 29/11/06	Wed 6/12/0	· ·	;	/				1			•	
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, ,	Architectural Design	61%	Sat 26/8/06	NA NA	1	1	Z wastania in the Province	elikusi in a	THE REAL PROPERTY.	z placing popular	agentary may ever	Aggree Salamontage	dia serie		Control of the control	Herrican Control	
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216	Internal Finishes schedule	100%	Sat 26/8/06	Fri 6/10/06	1		i	:					-1 -		•		
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225	Fire curtain / Shutter and Smoke curtain schedule	93%	Mon 28/8/06	· NA	Mon 28/8/00	6 Sat 27/1/0	7 STANSON OF STANSON STANSON	visebeleDragation	per en participa	morte/protocologic	ersendad State over 1-12	CONTRACTOR OF THE PERSON NAMED IN					
226	Design Preparation & Submission	100%	Mon 28/8/06	Sat 14/10/06	Mon 28/8/0	6 Sat 14/10/0	6	:									
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	and a second and a second	1					7613							4			
Project-1	HKCEC Expansion Project Task	Progress		ran og trattalens kents.	Summary	A CALLO - A CALO AFRICA	External Tas	ks 🍱			Group By Sum	mary	CONTRACTOR OF	7			
3 Month	ns rolling programme based on master P				Split		Project Sum	mary 🐷	E-MANAGEMENT		Baseline 1		ш	3			
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Hong Kong Convention and Exhibition Centre Expansion Project 3 Months rolling programme based on master Programme Rev.1 Updating on 3Apr2007 Actual Start Actual Finish Baseline1 Start Raseline1 Finish 2006 ID Task Name Wed 6/12/06 Thu 28/12/06 Tue 31/10/06 Mon 13/11/06 228 100% 3/4/07 RIP by PM 100% Thu 28/12/06 Thu 28/12/06 Mon 13/11/06 Mon 13/11/06 229 RIP for Fire curtain / Shutter and Smoke curtain schedule Fri 23/2/07 Sat 25/11/06 Fri 29/12/06 Wed 13/12/06 100% 230 Detailed Design Preparation Sat 30/12/06 Sat 13/1/07 99% Sat 24/2/07 NA 231 Design Check by Design Checker Mon 15/1/07 Sat 27/1/07 0% NΑ NA 232 DDR by PM ÑĀ NA Sat 27/1/07 Sat 27/1/07 DDR for Fire curtain / Shutter and Smoke curtain schedule 0% 233 Sat 26/8/06 Fri 5/1/07 NA 99% Sat 26/8/06 234 Staircase (AST-3 & 4) Sat 26/8/06 Fri 20/10/06 Sat 21/10/06 100% Sat 26/8/06 235 Design Preparation & Submission 100% Mon 23/10/06 Tue 21/11/06 Fri 20/10/06 Sat 4/11/06 Design Check by Design Checker 236 100% Wed 29/11/06 Thu 7/12/06 Sat 4/11/06 Sat 18/11/06 237 RIP by PM Sat 18/11/06 Sat 18/11/06 100% Thu 7/12/06 Thu 7/12/06 238 RIP for Staircase Tue 26/12/06 Tue 5/12/06 Fri 8/12/06 Sat 18/11/06 239 Detailed Design Preparation 100% 100% Wed 27/12/06 Wed 21/2/07 Tue 5/12/06 Tue 19/12/06 240 Design Check by Design Checker 95% Thu 22/2/07 NA Tue 19/12/06 Fri 5/1/07 241 DDR by PM Sat 26/8/06 Thu 1/2/07 99% Sat 21/10/06 NΔ 243 Staircase Thu 7/12/06 100% Fri 24/11/06 Sat 26/8/06 Sat 21/10/06 244 Design Preparation & Submission Thu 21/12/06 100% Fri 8/12/06 Sat 20/1/07 Fri 8/12/06 245 Design Check by Design Checker Fri 5/1/07 Thu 4/1/07 100% Fri 5/1/07 Fri 22/12/06 246 RIP by PM Fri 5/1/07 Fri 5/1/07 Thu 4/1/07 Thu 4/1/07 100% 247 RIP for Staircase 'Sat 23/12/06 Thu 21/12/06 Thu 4/1/07 Fri 1/12/06 248 Detailed Design Preparation 100% Thu 18/1/07 Fri 5/1/07 Design Check by Design Checker 100% Wed 27/12/06 Wed 21/2/07 . 249 Thu 1/2/07 TOTAL 250 DDR by PM 95% Thu 22/2/07 NA Fri 19/1/07 0% NA NA Thu 1/2/07 Thu 1/2/07 DDR for Staircase 251 Mon 4/9/06 NA Mon 4/9/06 Thu 8/3/07 42% 252 External Finishes schedule Fri 15/9/06 ·Fri 15/9/06 NA Sat 30/12/06 261 External facade and Gondola Design 92% Tue 31/10/06 Design Preparation & Submission 100% Fri 15/9/06 Thu 9/11/06 'Fri 15/9/06 262 100% Fri 10/11/06 Thu 28/12/06 Wed 1/11/06 Tue 14/11/06 263 Design Check by Design Checker 100% Fri.29/12/06 Wed 17/1/07 Wed 15/11/06 Tue 28/11/06 264 RIP by PM Tue 28/11/06 Tue 28/11/06 100% Wed 17/1/07 Wed 17/1/07 265 RIP for External façade and Gondola Design Thu 30/11/06 266 Detailed Design Preparation 100% : Tue 2/1/07 Thu 15/2/07 Tue 7/11/06 95% . Fri.16/2/07 NA Fri 1/12/06 Thu 14/12/06 267 Design Check by Design Checker Sat 30/12/06 0% NA NA Fri 15/12/06 268 DDR for DD Submission by PM -NA Sat 30/12/06 Sat 30/12/06 DDR for External facade and Gondola Design 0% NA 269 Tue 3/4/07 Mon 11/9/06 270 Foyer and Lift Lobbies 30% Mon 11/9/06 NA 0% -NA NA! Mon 11/9/06 Mon 6/11/06 - 271 - Design Preparation & Submission -Mon 20/11/06 0% NA NA Tue 7/11/06 272 Design Check by Design Checker Mon 4/12/06 NA NA Tue 21/11/06 0% 273 RIP by PM Mon 4/12/06 Mon 4/12/06 NA 274 RIP for Fover and Lift Lobbies Design 0% NA 80% Wed 14/2/07 NA Sat 16/12/06 Fri 2/3/07 275 **Detailed Design Preparation** Mon 25/9/06 Sat 7/4/07 84% Mon 25/9/06 NA - 279 **Toilet and Sanitary Fitments** 100% Mon 25/9/06 Tue 26/12/06 Mon 25/9/06 Thu 7/12/06 280 Design Preparation & Submission 100% Wed 21/2/07 Fri 8/12/06 Thu 21/12/06 TITLE. Wed 27/12/06 281 Design Check by Design Checker Fri 16/3/07 Mon 8/1/07 Fri 22/12/06 million: 100% Thu 22/2/07 282 RIP by PM Fri.16/3/07 Fri 16/3/07 Mon 8/1/07 Mon 8/1/07 100% RIP for Toilet and Sanitary Fitments 283 NA Sat 20/1/07 Tue 6/3/07 80% Mon 12/3/07 284 Detailed Design Preparation Tue 20/3/07 Wed 7/3/07 0% NA 285 Design Check by Design Checker 2222 Thu 5/4/07 288 Exhibition Halls / Service Counters and Organiser's Offices 81% Fri 29/9/06 NA Fri 29/9/06 Fri 29/9/06 Tue 14/11/06 Fri 29/9/06 Tue 7/11/06 Design Preparation & Submission 100% 289 100% Wed 15/11/06 Fri 12/1/07 Wed 8/11/06 Tue 21/11/06 290 Design Check by Design Checker 100% Fri 9/2/07 Wed 22/11/06 Tue 5/12/06 III Sat 13/1/07 291 RIP by PM Fri 9/2/07 Tue 5/12/06 Tue 5/12/06 RIP for Exhibition Halls / Service Counters and Organiser's Offices 100% Fri 9/2/07 292 Fri 9/2/07 Mon 18/12/06 Sat 3/3/07 80% 293 Detailed Design Preparation _____ 0% Mon 5/3/07 Sat 17/3/07 294 Design Check by Design Checker Sat 30/9/06 Thu 5/4/07 Sat 30/9/06 297 Door and Ironmongery schedule 84% NΔ Tue 7/11/06 Design Preparation & Submission 100% Sat 30/9/06 Wed 29/11/06 Sat 30/9/06 298 Tue 30/1/07 Wed 8/11/06 Tue 21/11/06 100% Wed 29/11/06 Design Check by Design Checker Group By Summary Task Summary Project:HKCEC Expansion Project ratoratoratoratorat Progress 3 Months rolling programme based on master P **Project Summary** Critical Task Split vimm Date: 3/04/2007

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Hong Kong Convention and Exhibition Centre Expansion Project 3 Months rolling programme based on master Programme Rev.1 Updating on 3Apr2007 Actual Start Actual Finish | Baseline1 Start | Baseline1 Finish ID Task Name Mar 100% Sat 13/1/07 Sat 13/1/07 Wed 22/11/06 Tue 5/12/06 3/4/07 RIP by PM Tue 5/12/06 Tue 5/12/06 100% Sat 13/1/07 Sat 13/1/07 RIP for Door and Ironmongery schedule Mon 18/12/06 Sat 3/3/07 90% Mon 15/1/07 NA Detailed Design Preparation Sat 17/3/07 NA Mon 5/3/07 Design Check by Design Checker - 0% шш Thu 5/4/07 0% . NA NA Mon 19/3/07 DDR by PM NA : Thu 5/4/07 Thu 5/4/07 0% DDR for Door and Ironmongery schedule NA NA Wed 4/10/06 Thu 5/4/07 81% Wed 4/10/06 Maintenance access system / Catwalks

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16 17 18 19 20 21 22 23	Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Maintenance access system / Catwalks Detailed Design Preparation Design Check by Design Checker DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Design Check by Design Checker DDR Acoustic Operable Partition Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition by PM	100% 100% 100% 100% 100% 90% 0% 0% 0% 100% 10	Wed 4/10/06 Thu 2/11/06 Thu 2/11/06 Wed 31/1/07 Wed 31/1/07 Thu 1/2/07 NA NA NA Mon 25/9/06: Mon 25/9/06 Thu 2/11/08 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06	Thu 2/11/06 Thu 4/1/07 Wed 31/1/07 Wed 31/1/07 Wed 31/1/07 NA NA NA NA Sat 28/10/06 Thu 23/11/06 Mon 18/12/06	Wed 4/10/06 Wed 8/11/06 Wed 22/11/06 Wed 22/11/06 Mon 18/12/06 Mon 5/3/07 Mon 19/3/07 Thu 5/4/07 Mon 25/9/06 Mon 25/9/06 Wed 8/11/06 Wed 22/11/06	Tue 7/11/06 Tue 21/11/06 Tue 21/11/06 Tue 5/12/06 Tue 5/12/06 Sat 3/3/07 Sat 17/3/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Tue 7/11/06 Tue 21/11/06	
099 100 111 122 133 144 15 Acc 166 17	RIP by PM RIP for Maintenance access system / Catwalks Detailed Design Preparation Design Check by Design Checker DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	100% 100% 90% 0% 0% 0% 0% 100% 100% 100%	Wed 31/1/07 Wed 31/1/07 Thu 1/2/07 NA NA NA Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06 NA	Wed 31/1/07 Wed 31/1/07 NA NA NA NA NA Sat 28/1/0/06 Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Wed 22/11/06 Tue 5/12/06 Mon 18/12/06 Mon 5/3/07 Mon 19/3/07 Thu 5/4/07 Mon 25/9/06 Mon 25/9/06 Wed 8/11/08	Tue 5/12/06 Tue 5/12/06 Sat 3/3/07 Sat 17/3/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07	
10 11 12 13 14 15 Act 16 17 18 19 19 20 21 22 23 24 Mis 25 11 11 11 11 11 11 11	RIP for Maintenance access system / Catwalks Detailed Design Preparation Design Check by Design Checker DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition	100% 90% 0% 0% 0% 82% 100% 100% 100% 95% 0%	Wed 31/1/07 Thu 1/2/07 NA NA NA Mon 25/9/06: Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06 NA	Wed 31/1/07 NA	. Tue 5/12/06 Mon 18/12/06 Mon 5/3/07 Mon 19/3/07 Thu 5/4/07 • Mon 25/9/06 . Mon 25/9/06 Wed 8/11/08	Tue 5/12/06 Sat 3/3/07 Sat 17/3/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07	
1 2 3 4 4 5 5 5 Acc 6 6 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Detailed Design Preparation Design Check by Design Checker DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker RIP By PM Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	90% 0% 0% 0% 82% 100% 100% 100% 100% 95% 0%	Thu 1/2/07 NA NA NA NA Mon 25/9/06: Mon 25/9/06 Thu 2/11/08 Mon 18/12/06 Mon 18/12/05 Mon 18/12/05 NA	NA NA NA NA NA NA Sat 28/10/05 Thu 23/11/06 Mon 18/12/05 Mon 18/12/05	Mon 18/12/06 Mon 5/3/07 Mon 19/3/07 Thu 5/4/07 Mon 25/9/06 Mon 25/9/06 Wed 8/11/06	Sat 3/3/07 Sat 17/3/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Tue 7/11/06	
Act	Design Check by Design Checker DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	0% 0% 0% 82% 100% 100% 100% 95% 0%	NA NA NA Mon 25/9/06: Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06	NA NA NA NA Sat 28/10/06 Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Mon 5/3/07 Mon 19/3/07 Thu 5/4/07 Mon 25/9/06 Mon 25/9/06 Wed 8/11/06	Sat 17/3/07 Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Tue 7/11/06	
Acc	DDR by PM DDR for Maintenance access system / Catwalks oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	0% 0% 82% 100% 100% 100% 100% 95% 0%	NA NA Mon 25/9/06 Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06	NA NA NA Sat 28/10/06 Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Mon 19/3/07 Thu 5/4/07 Mon 25/9/06 Mon 25/9/06 Wed 8/11/06	Thu 5/4/07 Thu 5/4/07 Thu 5/4/07 Tue 7/11/06	
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Acc	oustic Operable Partition Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	82% 100% 100% 100% 100% 95% 0%	Mon 25/9/06 Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06	NA Sat 28/10/06 Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Mon 25/9/06 Mon 25/9/06 Wed 8/11/06	Thu 5/4/07 Tue 7/11/06	
5 7	Design Preparation & Submission Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	100% 100% 100% 100% 95% 0%	Mon 25/9/06 Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06	Sat 28/10/06 Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Mon 25/9/06 Wed 8/11/06	Tue 7/11/06	A STATE OF THE STA
7	Design Check by Design Checker RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	100% 100% 100% 95% 0%	Thu 2/11/06 Wed 29/11/06 Mon 18/12/06 Mon 18/12/06 NA	Thu 23/11/06 Mon 18/12/06 Mon 18/12/06	Wed 8/11/06		
18	RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	100% 100% 95% 0%	Wed 29/11/06 Mon 18/12/06 Mon 18/12/06 NA	Mon 18/12/06 Mon 18/12/06	1	Tue 21/11/06	
18	RIP by PM RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	100% 95% 0%	Mon 18/12/06 Mon 18/12/06 NA	Mon 18/12/06	Wed 22/11/06		
19 20 21 22 23 24 Mis	RIP for Acoustic Operable Partition Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	95% 0% 0%	Mon 18/12/06 NA	:		Tue 5/12/06	
20 21 22 22 23 24 Mis	Detailed Design Preparation Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	0% 0%	NA NA		. Tue 5/12/06	Tue 5/12/06	
21 22 23 3 4 Mis	Design Check by Design Checker DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	0%		NA	Mon 18/12/06	Sat 3/3/07	
22 23 24 Mis	DDR Acoustic Operable Partition by PM DDR for Acoustic Operable Partition	1		NA.	Mon 5/3/07	Sat 17/3/07	
23 Mis 24 Mis	DDR for Acoustic Operable Partition	0%	NA	NA.	Mon 19/3/07	Thu 5/4/07	
24 Mis 25		i	NA NA	NA NA	Thu 5/4/07	Thu 5/4/07	
25	anationan i maimilia i	17%	Sat 27/1/07	, NA	Thu 7/12/06	Sat 10/3/07	
	Design Preparation & Submission	30%	Tue 13/3/07	NA.	Thu 7/12/06	· Fri 19/1/07	
	Design Check by Design Checker	0%	NA NA	NA.	Sat 20/1/07	. Fri 2/2/07	
27	RIP by PM	0%	NA.	. NA	Sat 3/2/07	Fri 16/2/07	
28	RIP for Miscellenous Package I	0%	NA NA	NA NA	Fri 16/2/07	Fri 16/2/07	1
29	Detailed Design Preparation	50%	Sat 27/1/07	NA NA	Sat 27/1/07	Wed 7/2/07	1
1	- 1	. 0%	NA NA	NA.	· Thu 8/2/07	Sat 24/2/07	The state of the s
30	Design Check by Design Checker	0%	NA NA	NA NA	Mon 26/2/07	Sat 10/3/07	77777
31	DDR for Miscellenous Package I by PM	0%	NA.	. NA		Sat 10/3/07	
32	DDR for Miscellenous Package I	1			Wed 27/12/06	Fri 9/2/07	
	oofing and waterproofing system	54%	Wed 27/12/06	. NA	Wed 27/12/06 - Wed 27/12/06	Fri 12/1/07	
34	Detailed Design Preparation	100%	Wed 27/12/06	Mon 8/1/07	Wed 27/12/05 Sat 13/1/07	Fri 26/1/07	1 224333334
35	Design Check by Design Checker	70%	Fri 19/1/07	NA NA	Sat 13/1/07 Sat 27/1/07	Fri 9/2/07	
36	DDR for Roofing and waterproofing system by PM	0%	NA	NA NA		Fri 9/2/07	Notation 1
	DDR for Roofing and waterproofing system	0%	NA NA	NA NA	Fri 9/2/07	Fri 9/2/07	
	lass Balustrade/Metal Railing/Lift car interiors and lift landing/Escala		Thu 26/10/06	NA	Thu 26/10/06		
139	Design Preparation	100%	Thu 26/10/06	Sat 2/12/06	Thu 26/10/06	•	
340	Design Check by Design Checker	100%	Sat 2/12/06	. Mon 15/1/07	Mon 13/11/06		The state of the s
341	RIP for Glass Balustrade / Metal Railing/Lift car interiors and lift landing	100%	Tue 16/1/07	Tue 6/2/07	Mon 27/11/06	•	
142	RIP by PM	100%	Tue 6/2/07	Tue 6/2/07	Sat 9/12/06	Sat 9/12/06	and the state of t
143	DDR for Detailed Design Preparation	85%	Wed 7/2/07	· NA	‡	Fri 12/1/07	* I was a second control of the cont
344	Design Check by Design Checker	Q%	, NA	, NA		Fri 26/1/07	
345	DDR by PM	0%	NA	NA.	i	Fri 9/2/07	15.76.25.3
347 Sig	gnage	70%	Tue 24/10/06	NA NA	1	Sat 7/4/07	it is the second of the second
348	Schematic Design Preparation & Submission	100%	Tue 24/10/06	Tue 2/1/07	1	1	PARTICIPATION AND PROPERTY OF THE PARTICIPATION OF
349	Design Check by Design Checker	100%	Wed 3/1/07	Wed 28/2/07	i	Fri 19/1/07	
350	RIP by PM	90%	Thu 1/3/07	·· NA	Sat 20/1/07	Fri 2/2/07	
1	lectronic Signage	0%	NA	NA.	Tue 24/10/06	Sat 7/4/07	
	iscellenous Package II (Provisional Item)	0%	NA	NA.	Wed 6/12/06	Fri 13/4/07	7
366	Confirmation of Provision Item by PM	0%	- NA	NA.	Wed 6/12/06	Wed 6/12/06	6 ♦
367	Schematic Design Preparation & Submission	0%	. NA	· NA	Thu 7/12/06	Fri 19/1/07	7
368	Design Check by Design Checker	0%	NA.	NA.	1	Fri 26/1/07	NACASTA CONTRACTOR CON
369	RIP by PM	0%	NA.	;	‡	1	"Nataral
ject:HKCEC Expansion		Progress			Summary Split		External Tasks Group By Summary Project Summary Baseline 1
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Hong Kong Convention and Exhibition Centre **Expansion Project** 3 Months rolling programme based on master Programme Rev.1 Updating on 3Apr2007 Baseline1 Start | Baseline1 Finish Actual Start Actual Finish 6 Complete ID Task Name NA Sat 25/11/06 NA A&A Works Details for Phase I 375 NA Sat 2/12/06 Thu 15/2/07 0% NA 380 A&A Works Details for Phase II Mon 16/10/06 NA Sat 14/4/07 14% Mon 16/10/06 385 Landscape Works Mon 16/10/06 NA Mon 16/10/06 Thu 7/12/06 Landscape Master Plan Preparation & Submission 99% 386 Fri 8/12/06 Thu 21/12/06 0% NA NΔ Design Check by Design Checker 388 Fri 22/12/06 Mon 8/1/07 NA: 0% NA 389 RIP by PM Mon 8/1/07 NA NA Mon 8/1/07 0% 390 RIP for Landscaping Master Plan NA NA Tue 9/1/07 Mon 5/3/07 Landscape Master Plan Detail Design Preparation & Submission 0% 391 Tue 6/3/07 Mon 19/3/07 NΔ NA Design Check by Design Checker 0% 392 NA Tue 20/3/07 Fri 6/4/07 0% NA DDR for landscape master plan by PM 393 Fri 6/4/07 NA Fri 6/4/07 0% NA 394 DDR for Landscaping Master Plan Fri 5/1/07 0% NA Wed 20/12/06 Planting schedule/Material Plans RIP Design Preparation NA 395 Fri 2/2/07 Wed 7/6/06 NA Wed 7/6/06 86% 410 Details Design Review Thu 4/1/07 Wed 7/6/06 Tue 7/11/06 100% Wed 7/6/06 Roof Trusses (Including Bearing Design) 411 Thu 14/9/06 Fri 22/12/06 Wed 7/6/06 100% Wed 7/6/06 412 Detailed Design Preparation Fri 20/10/06 100% Fri 15/9/06 Fri 22/12/06 Fri 15/9/06 Design Check by Design Checker 413 Thu 4/1/07 Thu 4/1/07 Fri 20/10/06 Tue 7/11/06 100% DDR for DD Submission by PM 414 Tue 7/11/06 Tue 7/11/06 100% Thu 4/1/07 Thu 4/1/07 DDP for Structural Plan 415 Fri 17/11/06 Tue 3/10/06 Wed 27/12/06 Tue 3/10/06 100% 416 R. C. Mega Columns A1-A Tue 3/10/06 Thu 19/10/06 Tue 3/10/06 Fri 20/10/06 100% Detailed Design Preparation 417 Fri 20/10/06 Thu 2/11/06 100% Fri 20/10/06 Thu 7/12/06 Design Check by Design Checker 418 Thu 2/11/06 Fri 17/11/06 100% Fri 8/12/06 Wed 27/12/06 DDR Submission by PM 419 Wed 27/12/06 Fri 17/11/06 Fri 17/11/06 Wed 27/12/06 100% 420 DDR for Structural Plan 100% Wed 4/10/06 Thu 29/3/07 Wed 4/10/06 Mon 27/11/06 R. C. Mega Columns (Remaining Area) 421 Sat 28/10/06 Wed 4/10/06 Tue 12/12/06 Wed 4/10/06 100% 422 Detailed Design Preparation Wed 14/2/07 Tue 31/10/06 Mon 13/11/06 100% Wed 13/12/06 423 Design Check by Design Checker Tue 14/11/06 Mon 27/11/06 100% Thu 15/2/07 Thu 29/3/07 424 DDR Submission by PM Mon 27/11/06 100% Thu 29/3/07 Thu 29/3/07 Mon.27/11/06 DDR for Structural Plan 425 Fri 8/9/06 Fri 10/11/06 100% Fri 8/9/06 Tue 23/1/07 426 Floor Structure (Grid A1-A/16-25) Thu 12/10/06 Fri 8/9/05 Sat 14/10/06 100% Fri 8/9/06 427 **Detailed Design Preparation** Thu 26/10/06 Fri 13/10/06 Thu 21/12/06 Mon 16/10/06 100% 428 Design Check by Design Checker Fri 27/10/06 Fri 10/11/06 100% Fri 22/12/06 Tue 23/1/07 DDR Submission by PM 429 Tue 23/1/07 Fri 10/11/06 Fri 10/11/06 100% Tue 23/1/07 DDR for Structural Plan 430 Fri 13/10/06 NA Fri 13/10/06 Thu 18/1/07 89% Floor Structure (Remaining Area) 431 Sat 16/12/06 Thu 22/2/07 Fri 13/10/06 100% .Fri 13/10/06 432 . Detailed Design Preparation .. Wed 3/1/07 NA Mon 18/12/06 85% Fri 23/2/07 433 Design Check by Design Checker Thu 18/1/07 NA Thu 4/1/07 0% NA DDR Submission by PM 434 0% NA NA Thu 18/1/07 Thu 18/1/07 435 DDR for Structural Plan Thu 18/1/07 Wed 13/9/06 Mon 27/11/06 Wed 13/9/06 100% R.C. structure including M.J. detail (A1-A) 436 Mon 30/10/06 Mon 30/10/06 Wed 13/9/06 100% Wed 13/9/06 437 Detailed Design Preparation Mon 13/11/06 100% Tue 31/10/06 Thu 28/12/06 Tue 31/10/06 Design Check by Design Checker 438 100% Fri 29/12/06 Thu 18/1/07 Tue 14/11/06 Mon 27/11/06 DDR Submission by PM 439 Thu 18/1/07 Thu 18/1/07 Mon 27/11/06 Mon 27/11/06 100% DDR for Structural Plan 440 Fri 5/1/07 Tue 7/11/06 55% Tue 7/11/06 NA 441 R.C. structure including M.J. detail (Remaining) Thu 7/12/06 . NA Tue 7/11/06 99% Tue 7/11/06 442 Detailed Design Preparation 0% NA NA Fri 8/12/06 Thu 21/12/06 Design Check by Design Checker 443 NA Fri 22/12/06 Fri 5/1/07 NA 0% DDR Submission by PM 444 Fri 5/1/07 NA Fri 5/1/07 0% NA 445 DDR for Structural Plan Thu 28/12/06 Tue 17/10/06 Mon 5/2/07 Tue 17/10/06 100% 451 Stage 1 A&A Works for Existing Atrium Link Tue 28/11/06 100% Tue 17/10/06 Sat 25/11/06 Tue 17/10/06 452 Detailed Design Preparation Sat 20/1/07 Wed 29/11/06 Tue 12/12/06 Mon 27/11/06 100% Design Check by Design Checker 453 Thu 28/12/06 Mon 5/2/07 Wed 13/12/06 100% Mon 22/1/07 454 RIP/DDR Submission by PM Thu 28/12/06 Mon 5/2/07 Mon 5/2/07 Thu 28/12/06 100% 455 RIP/DDR for Structural Plan Fri 2/2/07 70% Thu 5/10/06 Thu 5/10/06 Stage 2 (Refer Demolition Plan) 456 Wed 14/6/06 Thu 8/2/07 NΔ 96% Wed 14/6/06 467 **BS** Design Fri 14/7/06 Thu 18/1/07 NA 94% Fri 14/7/06 468 RS - HVAC

External Tasks

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Page 5

Project Summary

Task

Critical Task

Project:HKCEC Expansion Project

Date: 3/04/2007

3 Months rolling programme based on master P

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Progress

Milestone

Split

Group By Summary

Baseline 1

		ask Name	% Complete	Actual Start	Actual Finish	Baseline1 Start		Dec	Jan	Feb		Mar		Apr	1	May	- 1	Jun	Jul	
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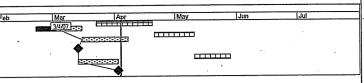
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578	RIP/DDR for Submission by PM	100%	Sun 11/3/07	Fri 23/3/0	7 Mon 4/12/0	6 Wed 27/12/0	6	v + 5	/ .	CWIATOWN.						
	RIP/DDR for Pedestrian Tunnel	100%	Fri 23/3/07	1	1	1				1	1					
579	1	100%				i		kering and armin of the Microsoft State	į.	. =						
580	BS - Diversion Plan for A&A Works at Phase I	100%	AA67 1110/02	11011 01210		1111 07210	<u> </u>									
	-HKCEC Expansion Project Task	Progress		- in a series and a	Summary	Spirite Lineares Antig Cont	External Tasks		Group By Su	mmary 💮	STATE OF THE PARTY OF					
roject	the rolling amoramme based on master P				•	•	Drainet Cumme-	#Sarraneanawas	Baseline 1		шш					
	this folling programme based on master P Critical Task	Mileston	e 🐠		Split		Project Summary	A	pasemie 1							
tte" .																

ID T	rask Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	2006		Feb	Mar	Ap		May	Jun	Jul	
	RIP/DDR Review	100%	Wed 11/10/06	Mon 5/2/07	Wed 11/10/06	Thu 8/2/07	Dec Jan	3/4/07	reo	(IVIO)			tinay	19991		
581		100%	Wed 11/10/06	Mon 18/12/06	Wed 11/10/06	Sat 16/12/06		للقتتيا	•		1		•			•
582	Design Preparation ·			Mon 15/1/07	Mon 18/12/06	Wed 17/1/07		· ·			1					
583	Design Check by Design Checker	100%	Tue 19/12/06	•		Thu 8/2/07			TTI							
584	RIP/DDR for Submission by PM	100%	Mon 15/1/07	Mon 5/2/07	Thu 18/1/07			-10000000000000000000000000000000000000	Name of the last		1					
585	RIP/DDR for A&A Works at Phase I	100%	Mon 5/2/07	Mon 5/2/07	Thu 8/2/07	Thu 8/2/07	<u> </u>				- 1					
586	BS - Diversion Plan for A&A Works at Phase II	50%	Wed 11/10/06	NA	Wed 11/10/06	Tue 19/12/06		400000000000000000000000000000000000000			.					
587	RIP/DDR Review	50%	Wed 11/10/06	NA	Wed 11/10/06	Tue 19/12/06	neg nja je na klasje poznačištištišti se se a an ko	Control of the Contro							•	
588	Design Preparation	99%	Wed 11/10/06	NA	Wed 29/8/07	Wed 31/10/07	:									
589	Design Check by Design Checker	0%	NA	NA	Tue 31/10/06	Mon 26/11/07			1111111						 	
590	RIP/DDR for Submission by PM	0%	NA NA	NA	Tue 27/11/07	Wed 19/12/07	·	******			. 1	, ,	,			
591	RIP/DDR for A&A Works at Phase II	0%	NA NA	NA	Wed 19/12/07	Wed 19/12/07	:				İ					
614	Pontoons for Construction Works	100%	Fri 13/10/06	Wed 24/1/07	Wed 15/11/06	Mon 15/1/07	and Miller States of the second se		٠.	•						
615	Submission to Marine Department	100%	Fri 13/10/06	Fri 13/10/06	Wed 15/11/06	Wed 15/11/06	1 :	/ .								
616	Review By Marine Department	100%	Sat 14/10/06	Mon 13/11/06	Wed 15/11/06	Tue 19/12/06	:	/ .	•	•						•
	•	100%	Mon 13/11/06	Mon 13/11/06	Tue 19/12/06	Tue 19/12/06] :	/ .			ı					•
617	Approval by Marine Department	100%	Tue 14/11/06	Fri 29/12/06	Wed 15/11/06	i	 :/		•			•		•		•
618	Material Procurement & Delivery	1	Sat 30/12/06	Sat 30/12/06	Sat 30/12/06	Sat 30/12/06	THE COLUMN TWO IS NOT THE OWNER.	· -			1	•				
619	Commencement to assemble on Site	100%	1.		Tue 2/1/07	Mon 15/1/07					· [
620	Assemble Pontoon on Site	100%	Thu 11/1/07	Wed 24/1/07		ļ	1 / .	demokality enterty.			- 1					
621	Steel Piles	100%	Thu 29/6/06	Thu 5/10/06	Thu 29/6/06	Thu 5/10/06	/:	•			1			•		
622	Procure Materials (Marine Pile)	100%	Wed 6/9/06	Thu 5/10/06	Wed 6/9/06	Thu 5/10/06] / :	٠.			1		-			
623	Procure Materials (Pre-bored H Pile)	100%	Thu 29/6/06	Fri 28/7/06	Thu 29/6/06	Fri 28/7/06					..					
624	Structural Steel Works	36%	Wed 7/6/06	NA	 Wed 7/6/06 	Thu 22/11/07	nganite ang kan daming binang pagang banawala	Party Miles Individual Control				·		CONTROL BROWN CONTROL BROWN	Carlo market players better the second	
625	Place Ordering of Materials from Steel Mills	100%	Wed 7/6/06	Thu 29/6/06	Wed 7/6/05	Thu 29/6/06] :									
626	. Material Procurement & Delivery	65%	Wed 7/6/06	NA	Wed 7/6/06	Wed 7/11/07										
627	Shop Drawing Submission & Approval	65%	Fri 13/10/06	. NA	Fri 13/10/06	Tue 12/12/06		72	•					•		
628	First Delivery to Fabrication Yards	0%	NA NA	NA	Fri 1/12/06	Frì 1/12/00										-
629	Fabrication of Structural Steel Works	3%	Fri 1/12/06	: NA	Fri 1/12/06	Thu 22/11/07	Паниний				шшш					
648	Bearing for Steel Truss	12%	Thu 12/10/06	NA.	Ī	Thu 1/3/07		termination (e) (e)								
1	_	12%	Thu 12/10/06	NA.	Thu 23/11/06	Sat 9/12/06		▼		•. •	•					
649	Shop Drawing Submission & Approval(2/11)	12%	Fri 20/10/06	NA.	Sat 9/12/06	I	i .				1 1					
650	Bearing Procument and Delivery(2/11)	1 1		Fri 15/12/06	Wed 2/8/06	Sat 24/2/07	<u> </u>	***************************************					**		•	
700	Internal Hoarding Erection at Existing Atrium Link	100%	Wed 2/8/06	Wed 29/11/06	1	1				٠.				•	•	• . •
701	. For West Façade Removal and Structural Modification to West truss at +14		Wed 2/8/06		Wed 2/8/06	1	1									
702	Bamboo Scaffolding Erection (Phase 1)	100%	Wed 2/8/06	Tue 8/8/06	Wed 2/8/05	1										
703	Hoarding Erection	100%	Wed 9/8/06	Fri 15/9/06	Wed 9/8/06	1	1									
704	Bamboo Scaffolding Erection (Phase 2)	100%	Fri 6/10/06	Fri 13/10/06	. Fri 6/10/06	!	1 \ .	. 4	. 7	* . * *** . **				•		-
705	Hoarding Erection	100%	Tue 24/10/06	Wed 29/11/06	}'	1			••							
706	For West Façade Removal and Structural Modification to West truss at +10	100%	Fri 6/10/06	Tue 28/11/06	Fri 6/10/06	1										
707	Bamboo Scaffolding Erection	100%	Fri 6/10/06	Fri 13/10/06	Fri 6/10/06	Fri 13/10/0										
708	Hoarding Erection	100%	Tue 24/10/06	Tue 28/11/06	Tue 24/10/06	Tue 28/11/0			•	•		•				
709	For GL 17/A&B Columns Construction (Stage 3)	100%	Fri 6/10/06	Fri 15/12/06	Wed 6/12/06	Sat 24/2/0	THE PROPERTY OF THE PARTY OF TH					٠				
710	Bamboo Scaffolding Erection	100%	Fri 6/10/06	Sat 21/10/06	Wed 6/12/06	Sat 27/1/0				• • • •						
711	Hoarding Erection	100%	Tue 24/10/06	Fri 15/12/06	. Sat 9/12/06	Sat 24/2/0	منسنس . ا	шиде	шшш	 -	•					
744	HKCEC Phase 2 - Demolition Works (GL 16/B-E)	100%	Wed 26/7/06	Sat 20/1/07	Wed 26/7/06	Sat 20/1/0		THE REPORT OF THE PARTY OF THE			•		* :			,
	Erect Weather Proof Hoarding / Protective measure	100%	Wed 26/7/06	Thu 31/8/06	1	Thu 31/8/0	:	• •	100							
745		100%	Fri 1/9/06	Mon 25/9/06	Fri 1/9/06	1										
746	Remove Existing Finishes & Feature	100%	Fri 11/8/06	Fri 29/9/06	£	1	1			_	• •				*	
747	Termination for Existing E&M Services	100%	Sat 30/9/06	Fri 20/10/06	I	1		100								
748	Modification/Remove for External Facade			Sat 20/1/07	1	1	7		•			• -				
749	Demolition of Structure for Grid 16/B-E	100%	Sat 21/10/06		1	I	EXPERIMENTAL CONTRACTOR CONTRACTO		neidantena (en e	anance and party	Englanding!					•
757	Modification of Existing Atrium Link	88%	Wed 22/11/06	NA	. .	.1				. /	-					
758	Removal of Existing West Glass Wall at Atrium Link	100%	Wed 22/11/06	Sat 30/12/06	1					/						
759	Removal of Existing West Glass Wall	100%	Wed 22/11/06			1				/			On the Real Property and the Real Property a	region constitue of the constitue of	to president to the section.	un en westiske se
786	New Atrium Link Extension	9%	Tue 27/6/06	NA	:	I	1	of grant was preciously	THE THE PERSON NAMED AND	alter temperatural productions and	Section - 12 Sections					
787	Material Handling Facilities & Temporary Working Platforms	73%	Mon 18/9/06	NA	1	. i	_1		especial deposit entre	(this History) (the proof of	estő Podrádania da	erin kelijanikku	deligner of his language to the delignation			* L
788	East Temporary Steel Working Platform (for Roof Trusses Assemble)	64%	Mon 18/9/06	NA.	Mon 18/9/06			Andreas de la companya del la companya de la compan	TANK BURNING THE	AND AND ASSESSMENT OF THE						
789	Mini/Marine Pile Construction(Pile no. RP1 to 30, P1 to 58, VP28 to 31		Mon 18/9/06	N.A	Mon 18/9/06				-3							
790	On Site fabrication of Bracing	60%	Wed 25/10/06	NA.	Wed 25/10/0	5 Fri 9/3/0	7		шшш							
130	On one introduction of private in	1			1											
Projecti	HKCEC Expansion Project Task	Progress	225744	egik, Kingari tegari teta	Summary	Albert Schlendbille den der e	External Tasks	Meaning	Grou	ip By Summary						
3 Mont	hs rolling programme based on master P		_		Split		Project Summary	Constitution and	Base	eline 1			•			
	LIBERT PERCECCECCE	(AINCOIDI)	- 🐨			111111111	1 1 1	•	•							
Date: 3/	04/2007	1.1.1														

D (Fask Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	2006 Dec Jan		Feb	Mar	Apı		May		Jun	7	Jul	
		60%	Sat 28/10/06	NA.	Sat 28/10/06	Tue 13/3/07	Dec Jan	3/4/07										
91	On Site fabrication of Supports	60%	Thu 2/11/06	NA NA	Wed 8/11/06					шш	1							
2	Temporary Working Platform Erection	: :		Tue 28/11/06	Tue 28/11/06	Tue 28/11/06	Jacob paradiskal (** o tellio ** 4 eliterati.)				- 1							
13	Partial completion for Bored Pile(P49 to 58, RP20 to 30, VP28 to 31)	100%	Tue 28/11/06	1.		1	:				1							
4	Completion of marine platform (approx. 4800sqm)	0%	NA	NA NA	Wed 21/3/07	;	;			-	i							
5	West Temporary Steel Working Platform (for A1 Panel Truss Assemble	100%	Wed 27/9/06	Thu 25/1/07	Wed 27/9/06	Thu 25/1/07	alaj koji traking barita sensitali bela ana ke	THE REAL PROPERTY.		,	·							
96	Minl/Marine Pile Construction(Pile no. RP32 to 39, P59 to 80,9+27)6+0	100%	Wed 27/9/06	Thu 4/1/07	Wed 27/9/06	Thu 4/1/07					\							
	On Site fabrication of Bracing	100%	Wed 18/10/06	Thu 11/1/07	Wed 18/10/06	Thu 11/1/07					\							
97		100%	Sat 21/10/06	Sat 30/12/06	Sat 21/10/06			· .			. / .1	*						
38	On Site fabrication of Supports	1 1		1	Thu 16/11/06						\							
9	Temporary Working Platform Erection	100%	Thu 16/11/06	Thu 25/1/07		1	446142241441241443414444444444	STORY PROPERTY.			\							
00	Completion of marine platform (approx. 1100sqm.)	100%	Thu 25/1/07	Thu 25/1/07	Thu 25/1/07	1		•										
12	Pre-bored H Piling Works	97%	Fri 11/8/06	NA	Fri 11/8/06	Thu 15/3/07	Stefficial Selection of Proceedings and a	(1997年) 一日本 からは金のはない。	and the manuscript of the grand for	agen gegen tight VIII (filter de Vergen)	CONTRACTOR OF THE SECOND							
	Prebored H Piles Construction (A1/16, A1/24 & E/17)	100%	Fri 11/8/06	Thu 30/11/06	. Fri 11/8/06	Tue 31/10/06					- 11							
13		100%	Fri 11/8/06	Wed 18/10/06	Fri 11/8/06	Wed 18/10/06	:				- 11							
14.	Prebored H Piles Construction (A1/16 & A1/24, E/17)	, ,	1	1		1				"	· · ·		•		•			
15	. Completion Report to IDC	100%	Wed 18/10/06	Wed 18/10/06	Wed 18/10/06	1	:	•			- 11							
16	Loading Test for Selected Pile	100%	Thu 19/10/06	Fri 3/11/06	Thu 19/10/06	1					- 11							
17	Consent for Pile Cap & Structure Works	100%	Fri 3/11/06	Thu 30/11/05	Tue 31/10/06	Tue 31/10/06	:	* ** * * * * * * * * * * * * * * * * *			- 11							
	Prebored H Piles Construction (A/17, B/17, C/17 & D/17)	95%	Fri 11/8/06	NA	Fri 11/8/06	Thu 15/3/07	Zaganoko montak erre erre erre	STANDORFOR STANDARD	giorne marchite de 1900		SOUTH THE PARTY OF THE	200000000000000000000000000000000000000			•			
8		100%	Fri 11/8/06	Mon 2/4/07	Fri 11/8/06	1				TT.	النسيا							
9	Prebored H Piles Construction (A/17, B/17, C/17 & D/17)	1 1			Sat 3/3/07	1	planting the security of the second	Charles at the Stephen and the	engeljaková ket elekyülőneke *	The first position is a second						•		
20	Completion Report to IDC	5%	Mon 2/4/07	NA NA			:				Y							
21	Loading Test for Selected Pile	0%	NA	NA.	Mon 5/3/07	1	;			الملت	- 4	क्का				,		
22	Consent for Pile Cap & Structure Works	0%	NA	NA.	Thu 15/3/07	Thu 15/3/07	:	A Company of the Company			/	♦						
		99%	Wed 27/9/06	NA NA	Wed 27/9/06	Sat 17/3/07	and the first of t	ong Opinish bash buli Nebugi	net britanis kirkes gestrock.	- Hard House (g)	·	-						
23	Bored Piling Works	99%	Wed 27/9/06	NA NA	Wed 27/9/06	1	No College of the College College of the College	AND THE PROPERTY OF THE	and the property of the second	Michigan Environment				•				
24	Foundation Works for Grid A, B, C & D	1					THE PERSONNEL PROPERTY OF THE PERSONNEL PROP	•.		· 7.								
25	For Grid A Bored Pile (BP2)	100%	Wed 27/9/06	Mon 11/12/06	Wed 27/9/06	1	:		•	- 1	-							
26	Stitch drill and pretrenching	100%	Wed 27/9/06	Wed 1/11/06	Wed 27/9/05	:	:			. /-						•		
27	Bored Piles Construction (approx. 45.85m)	100%	Thu 2/11/06	Mon 4/12/06	Thu 2/11/06	Thu 7/12/06												
	Completion Report to IDC	100%	Tue 5/12/06	Tue 5/12/06	Thu 7/12/06	Thu 7/12/06	•			1								
28		1	Tue 5/12/06	Mon 11/12/06	Fri 8/12/06	1	V					٠.						
329	Integrity Test for Pile	100%			1			· .		1 -	•	•			*			
830	Consent for Pile Cap & Structure Works	100%	Mon 11/12/06	Mon 11/12/06	Thu 14/12/06		*		***************************************									
831	For Grid B Bored Pile (BP3)	100%	Fri 27/10/06	Fri 16/3/07	Fri 27/10/06	Tue 23/1/07	and with the mile and property and the second secon	ere en les années de la company de la compan		-								
832	Stitch drill and pretrenching	100%	Fri 27/10/06	Sat 9/12/06	Fri 27/10/06	Mon 27/11/06	PAGE SAN	41.5										
	Bored Piles Construction (approx. 44.85m)	100%	Mon 11/12/06	Sat 20/1/07	Fri 8/12/06	Tue 9/1/07				- 1							_	_
833		100%	Sat 20/1/07	Sat 20/1/07	Tue 9/1/07	ì	Mr. : : Northwesterman	<u> </u>		1:								
834	Completion Report to IDC	1 1		1	1	1	:			. 1								
835	Integrity Test for Pile	100%	Sat 27/1/07	Sat 3/2/07	Wed 17/1/0		:			1 .					4			
836	Consent for Pile Cap & Structure Works	100%	Fri 16/3/07	Fri 16/3/07	Tue 23/1/07	1		* ***	3 14 6 77	~								
837	For Grid C Bored Pile (BP4)	99%	Mon 11/12/06	NA NA	Sat 9/12/08	Sat 17/3/07	STANSACTOR STANSACTOR	(Approximately 1995年1995年1995年1995年1995年1995年1995年1995	CONTRACTOR AND VALUE OF	21638								
838	Stitch drill and pretrenching	100%	Mon 11/12/06	Wed 17/1/07	Sat 9/12/0	5 Tue 16/1/07		7 7 7 7	-	1								
	, -	100%	Thu 1/2/07	Fri 16/2/07	Wed 31/1/0	7 Sat 3/3/07	, ,			TTO .								
840	: Bored Piles Construction (approx. 41.15m)	1	·	Wed 21/2/07	1	1	1 :			. -				•	*.			
841	Completion Report to IDC	100%	Wed 21/2/07	1	ì	1			. •	╛	1							
342	Integrity Test for Piles	. 100%	Thu 22/2/07	. Thu 1/3/07	Ť		1 :-								,			
843	Consent for superstructure Works	0%	NA NA	, NA	Sat 17/3/0	7 Sat 17/3/07				9								
844	For Grid D Bored Pile (BP5)	99%	Fri 8/12/06	NA.	Sat 18/11/0	6 Mon 12/2/07	Marie marie management of the	STATE OF THE STATE	er personalen betrettet er	₩								
		100%	Fri 8/12/06	ł	1	1			· \$ "· · · · "	F ' '								
845	Stitch drill and pretrenching	100%	Sat 20/1/07	į	1		Control of the state of the sta			1		· ·			•			
847	Bored Piles Construction (approx. 40.5m)	1	i	I	1		1	BACKER 1	- A									
848	Completion Report to IDC	100%	Fri 9/2/07	1	1		4 :		*	-					•			
849	Integrity Test for Piles	100%	Fri 9/2/07	Mon 26/2/07	1	I] :		No and continue	=								
850	Consent for superstructure Works	0%	NA.	NA NA	Mon 12/2/0	7 Mon 12/2/07	7 :	* .	and the second	—					_		-	
	Substructure Construction - Grid 16 & 17	48%	1	NA NA	Wed 1/11/0	6 Sat 28/4/07	\$100 to	distributional desirabilities	Secretaria de la composición del composición de la composición de	processor Personal confe	Pagagaga (Pagaga)		Erminer Führen	Andrew Test Posterior	P			
851			Fri 27/10/06	!	<u> </u>	- 1	Chicago Consumer and Chicago C			•		/						
852	Pile Cap Construction (A1/16 & E/17)	100%	1	1	1							V .						
853	Pile Cap A1/16(180m3) & A1/24(63.5m3)	100%	Fri 27/10/06		ž.	1	Section of the last of the las				. /							
854	Pile Cap E/17(100m3)	100%	Thu 14/12/06	Sat 23/12/06	Fri 1/12/0	6 Sat 9/12/06	The second secon				. /	l						
857	Substructure Construction - Grid 24	100%	Wed 27/12/06	Mon 26/2/07	Fri 15/12/0	6 Sat 3/2/07	· .	er-takkette beskette.	and the second of the second	-	. /	l						
	Pile Cap Construction (Grid A1a/24)	100%		1	Fri 15/12/0	6 Wed 27/12/06	i interes		: *		/-	l						
858		100%	Ŧ.					<u> </u>	The State of		/	l			-			
859	Pile Cap Construction(24m3)	1	1 .	1	ł	i	Total Control of the	io. Taranggi katawa tara	tia kanangan pangangan	Liggerer Tales Editores	to complete section	the south trackless	teres al march	September 11.	e gressettale.	ao separa aran	<u>ar</u> y ray with the	STATE OF
862	1	14%	1											Annual Control of the	Acres in the particular in the	er et representation	ANTO PARTIE	Course !
863	Columns to Steel Truss - Grid 17	10%	Mon 4/12/06	NA NA	Fri 1/12/0	6 Fri 5/10/0	The second second second second	overstill Steen (Black be 1991	sandarkings as a sandarking									
								E SECTION SECT			era suppression su	NO. OF THE REAL PROPERTY.	***************************************					
1	HKCEC Expansion Project Task	त्रसम् Progres	S E	5525-2865-4567788979.14	Summary	Compared to the Compared Compa	External Tasks	ety Marian		By Summary	₩	~						
					Split		Project Summary	STATEMENT OF THE	Baselin	e1 I		ш						
ojec Mor	ins miling programme based on master F ,																	
/lor	ths rolling programme based on master P Critical Task Critical Task	Mileston	ie 💠		Spiit	111111111	i i i i i i i i i i i i i i i i i i i											

Hong Kong Convention and Exhibition Centre **Expansion Project** 3 Months rolling programme based on master Programme Rev.1 Updating on 3Apr2007 Baseline1 Start | Baseline1 Finish Actual Start Actual Finish % Complete ID Task Name Fri 1/12/06 3/4/07 100% Mon 4/12/06 Wed 27/12/06 Column A1/16 864 Fri 1/12/06 Tue 19/12/06 100% Mon 4/12/06 Thu 21/12/06 865 R.C Mega Columns for A1/16(26m3) Fri 22/12/06 Wed 27/12/06 Wed 20/12/06 Fri 22/12/06 100% 866 Bearing Installation at Column A1/16 Wed 2/5/07 Mon 11/6/07 0% 870 Column A/17 NA Wed 2/5/07 Thu 7/6/07 0% NA R.C Mega Columns for A/17(338m3) 871 Mon 11/6/07 NA Fri 8/6/07 0% NA Bearing Installation at Column A/17 872 NA Fri 20/4/07 Tue 12/6/07 0% NA 873 Column B/17 NA NA Fri 20/4/07 Fri 8/6/07 R.C Mega Columns for B/17(395m3) 0% 874 Tue 12/6/07 NΔ NA Sat 9/6/07 0% 875 Bearing Installation at Column B/17 ŇÄ Tue 12/6/07 0% NA Fri 20/4/07 876 Column C/17 NA Fri 20/4/07 Fri 8/6/07 0% NA 877 R.C Mega Columns for C/17(442m3) NA Sat 9/6/07 Tue 12/6/07 Bearing Installation at Column C/17 0% NΔ 878 NA Wed 2/5/07 Mon 11/6/07 0% NA Column D/17 879 0% NA NA Wed 2/5/07 Thu 7/6/07 R.C Mega Columns for D/17(342m3) 880 NΑ Fri 8/6/07 Mon 11/6/07 0% NA 881 Bearing Installation at Column D/17 NA Fri.1/12/06 Thu 31/5/07 38% Thu 14/12/06 Columns to Steel Truss - Grid 24 882 Tue 9/1/07 Fri 1/12/06 Fri 22/12/06 100% Thu 14/12/06 Column A1/24 883 100% Thu 14/12/06 Fri 5/1/07 Tue 12/12/06 Fri 22/12/06 R.C. Mega Columns for A1/24(30m3) 884 Tue 9/1/07 Wed 20/12/06 Fri 22/12/06 100% Fri 5/1/07 885 Bearing Installation at Column A1/24 Thu 28/12/06 Sat 24/2/07 96% Mon 8/1/07 NA Column A1a/24 886 Wed 24/1/07 Thu 28/12/06 Mon 15/1/07 100% Mon 8/1/07 R.C. Mega Columns for A1a/24 (+4 to +14.4, 84m3) -887 Wed 21/2/07 R.C. Mega Columns for A1a/24 (+14.4 to +51.8, 300m3) 100% Thu 25/1/07 Wed 4/4/07 Tue 16/1/07 888 Sat 24/2/07 0% Thu 22/2/07 NA 889 Bearing Installation at Column A1a/24 Fri 2/3/07 NA Mon 5/2/07 Thu 12/4/07 19% 890 Column Ba/24 Fri 2/3/07 NA Mon 5/2/07 Mon 9/4/07 R.C. Mega Columns for Ba/24 (384m3) 20% 891 T Tue 10/4/07 Thu 12/4/07 0% NΑ NA Bearing Installation at Column Ba/24 892 Thu 31/5/07 NA NA Mon 19/3/07 0% . 893 Columns C/24 Mon 28/5/07 0% NA 'NA Mon 19/3/07 R.C. Mega Columns for C/24(467m3) 894 Tue 29/5/07 Thu 31/5/07 0% N NA Bearing Installation at Column C/24 895 ŇÄ NΔ Tue 13/2/07 Sat 28/4/07 0% Columns D/24 896 Tue 13/2/07 Wed 25/4/07 0% NA NA .897 R.C. Mega Columns for D/24(369m3) Sat 28/4/07 0% NA NA Thu 26/4/07 Bearing Installation at Column D/24 898 Thu 30/11/06 Sat 21/6/08 12% Thu 30/11/06 Steel Roof Trusses and Superstructure 899 Thu 30/11/06 Sat 21/6/08 33% Thu 30/11/06 900 Panel Truss A1 .NA Wed 20/12/06 Wed 17/1/07 NA 100% 901 Temp supporting fabrication & assembly Thu 15/3/07 85% Thu 18/1/07 Sat 23/12/06 902 Assembly on Steel Truss A1(907tons) Sat 21/6/08 26% Thu 30/11/06 NA Thu 30/11/06 Steel Structure for Grid A1 to Existing Façade Truss 903 NA Mon 8/1/07 Fri 30/3/07 69% Tue 27/2/07 1 evel 2 +14.40 904 Tue 30/1/07 Wed.21/3/07 Mon 8/1/07 100% Tue 27/2/07 905 Main Floor Trusses for Level 2 (8nos) 100% Sat 3/3/07 Thu 29/3/07 Wed 31/1/07 Wed 21/2/07 906 Secondary Floor Trusses/Beams for Level 2 (82nos) Thu 8/3/07 Thu 8/2/07 Tue 27/2/07 90% Composite Decking Slab for Level 2(2086sqm) . 907 Mon 5/3/07 Fri 30/3/07 0% NA R.C. Wall & Staircase 908 Wed 21/3/07 Sat 3/2/07 63% Sat 10/3/07 NA Level 3 +21.90 909 Wed 14/2/07 Wed 21/3/07 Sat 3/2/07 100% Sat 10/3/07 910 Main Floor Trusses for Level 3 (3nos) Sat 10/2/07 Thu 1/3/07 95% Mon 12/3/07 NA Secondary Floor Trusses/Beams for Level 3 (20nos) 911 90% Sat 24/3/07 NA Wed 28/2/07 Sat 17/3/07 Composite Decking Slab for Level 3(540sqm) 912 Tue 29/1/08 NA Wed 28/2/07 Level 5 +29.40 0% 914 الكلتك أ Wed 28/2/07 Tue 13/3/07 0% NA 915 Main Floor Trusses for Level 5 (7nos) Wed 14/3/07 Fri 30/3/07 Secondary Floor Trusses/Beams for Level 5 (81nos) 0% 916 0% NA Thu 29/3/07 Fri 20/4/07 Composite Decking Slab for Level 5(1450sqm) 917 Sat 19/5/07 NA Thu 30/11/06 35% Thu 30/11/06 RS Inetallation 942 Thu 30/11/06 Thu 30/11/06 100% Thu 30/11/06 Thu 30/11/06 943 Approval of Disable Hydraulic Lift Thu 29/3/07 Fri 23/3/07 Fri 20/4/07 10% NA 944 Disable Hydraulic Lift installation Sat 19/5/07 Sat 19/5/07 0% Form 6 945 Tue 24/4/07 Fri 16/3/07 55% Wed 21/2/07 NA 946 **HVAC Installation** Wed 18/4/07 Fri 16/3/07 45% Wed 21/2/07 947 Electrical Installation External Tasks Group By Summary Summary Task Progress Project:HKCEC Expansion Project 0.000.000.000.000 3 Months rolling programme based on master P Project Summary Baseline 1 Split Critical Task www. Date: 3/04/2007 Page 10

1	4			Alouting Lourning by	ogrammo eacea.		
ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	Dec
948	FS Installation	45%	Wed 21/2/07	NA	Fri 23/3/07	Thu 19/4/07	
949	. T&C ·	0%	NA	NA NA	Sat 21/4/07	ŧ	1
950	Form 501 Submission	0%	NA NA	NA.	Tue 24/4/07	Tue 24/4/07	1
951	Inspection	0%	NA.	NA.	Fri 11/5/07	Mon 28/5/07	1
050	Padactrian Positing Disert to New Access	0%	NA.	NA.	Mon 28/5/07	Mon 28/5/07	1



Project:HKCEC Expansion Project 3 Months rolling programme based on master P Date: 3/04/2007

Task

Summary Split

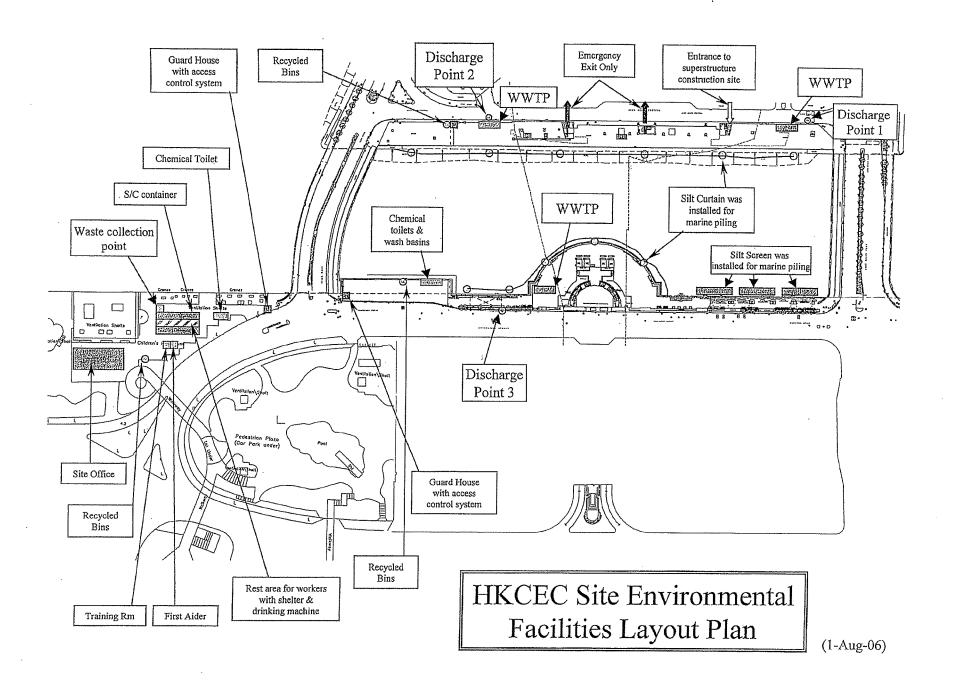






Annex N

Laboratory Report of Water Quality Sampling



ENVIRO LABS LIMITED



環境化驗有限公司

TEST REPORT

JOB NO.

703443

DATE OF ISSUE

15 March 2007

PAGE

1 of 1

1. Customer

Hip Hing - Ngo Kee Joint Venture

29/F, New World Tower, 16-18 Queen's Road Central, Hong Kong

Attn.: Mr. Ken Leung

2. Sample Identification

Sample Description

1 batch of water sample said to be wastewater was received in cool condition

Quantity of Sample

1 x 1L in plastic bottle (for TSS) and 1 x 250mL in plastic bottle (for COD)

Sampling

: Conducted by the staff of the Enviro Labs Ltd.

Sampling Point

: Outlet of Wastewater Treatment Facility

(HKCEC Expansion Project, H200605)

Preservation

Stored under refrigerated condition, COD: conc. H₂SO₄ was added to pH < 2

Sampling Date

8 Mar 2007

Received Date & Time

8 Mar 2007 16:10

3. Test Method

Para	ameter	Reference Method	Testing Period
(i)	рН	Lovibond Digital Photometer (Phenol Red Method)	8 Mar 2007 (On-site)
ii)	Total Suspended Solids (TSS) Dried at 103-105°C	APHA ¹ 17e 2540 D	8 – 13 Mar 2007
(iii)	Chemical Oxygen Demand (COD)	APHA ¹ 20e 5220 C	8 – 15 Mar 2007

^{1.} APHA Standard Methods for the Examination of Water and Wastewater

4. Test Result (1)*

Label marked by customer	Test Parameter	Sample No.	Test Result	Discharge Limit **	Unit
HKCEC Expansion	рН	703443-1	6.6	6 – 9	
Project H200605	TSS	703443-1	14	≤30	mg/L
Discharge point	COD	703443-2	< 50	≤80	mgO₂/L

Test results relate only to the items received.

---- END of REPORT ----



APPROVED SIGNATORY

Kenneth Kar Kin LAM (Laboratory Manager)

Fanling, N.T., Hong Kong

Tel: (852) 2676 2983

Fax: (852) 2676 2860

http://www.envirolabs.com.hk e-mail: ell@envirolabs.com.hk

^{**} Information provided by the customer. (It is not a test result, information for reference only).