

Hip Hing – Ngo Kee Joint Venture

Hong Kong Convention and  
Exhibition Centre Expansion  
Project:

*Monthly Environmental Monitoring  
and Audit Report for February 2007*

March 2007

**Environmental Resources Management**

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ENVIRONMENTAL MONITORING &  
AUDIT REPORT

Hip Hing – Ngo Kee Joint Venture

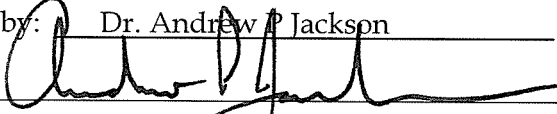
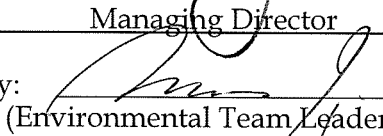
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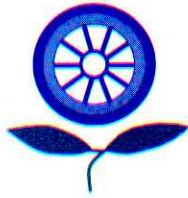
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For and on behalf of	
Environmental Resources Management	
Approved by:	Dr. Andrew P Jackson
Signed:	
Position:	Managing Director
Certified by:	
	(Environmental Team Leader – Marcus Ip)
Date:	20 March 2007

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.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.



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20 March 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 February 2007 received from ERM dated 20 March 2007 and subsequent submission received from ERM on the same day, 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 seventh monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 February 2007 to 28 February 2007 in accordance with the EM&A Manual.

### Summary of Construction Works undertaken during the Reporting Period

The major construction works taken during the reporting period included the construction of pre-bored H piles at southern and northern sides; construction of mini piles for marine platform at southern and northern sides; installation of marine pile; excavation of bored pile at BP3; stitch drilling of bored pile at BP4; stitch drilling and pre-trenching of bored pile at BP5; demolition of Phase II at Grid 16/ B-D from upper roof down to Level 2; construction of RC column at Grid A1/16; removal of glass wall at west façade; erection of temporary enclosed pedestrian walkway mock-up outside site office.

### Environmental Monitoring and Audit Progress

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

24-hour Total Suspended	
Particulates (TSP) monitoring	6 times
1-hour TSP monitoring	15 times
Water quality monitoring	11 sets
Environmental site auditing	4 times

### Air Quality

Six sets of 24-hour and fifteen 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

Eleven sets of water quality measurements were carried out at the designated monitoring stations W3, W4 and W5. An exceedance of Action Level of Dissolved Oxygen was recorded on 21 February 2007. Result of investigation indicated that the exceedance was likely due to natural fluctuation in water quality rather than Project works.

### 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 814 tonnes of inert C&D materials (including 0.5 tonnes materials reused in this Project), 121 tonnes of C&D wastes and 288 litres of chemical waste 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 temporary construction waste sorting facility and the public fill barging point at Quarry Bay respectively.

#### Environmental Site Auditing

Four 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.

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 seventh EM&A report which summarizes the impact monitoring results and audit findings for the EM&A programme during the reporting period from **1 February 2007 to 28 February 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**

## 2.1

## 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 February 2007 to 28 February 2007*

Construction Activities Undertaken
<ul style="list-style-type: none"> <li>• Construction of pre-bored H piles at southern and northern sides</li> <li>• Construction of mini piles for marine platform at southern and northern sides</li> <li>• Installation of marine pile</li> <li>• Excavation of bored pile at BP3</li> <li>• Stitch drilling of bored pile at BP4</li> <li>• Stitch drilling and pre-trenching of bored pile at BP5</li> <li>• Demolition of Phase II at Grid 16/ B-D from upper roof down to Level 2</li> <li>• Construction of RC column at Grid A1/16</li> <li>• Removal of glass wall at west façade</li> <li>• Erection of temporary enclosed pedestrian walkway mock-up outside site office</li> </ul>

## 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/ Notification	Reference	Validity Period	Remarks
Valid Construction Noise Permit for area inside the Atrium Link	GW-RS0694-06	Valid from 21 November 06 and will expire on 30 March 07	
	GW-RS0722-06	Valid from 2 December 06 and will expire on 30 April 07	
	GW-RS0026-07	Valid from 21 January 07 and will expire on 14 July 07	
	PP-RS0043-06	Valid from 15 January 07 and will expire on 14 July 07	
	GW-RS0048-07	Valid from 26 January 07 and will expire on 28 February 07	
	GW-RS0829-06	Valid from 3 January 07 and will expire on 2 June 07	

### 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 Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
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 run-temperature 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 m<sup>3</sup>/min. The range specified in the EM&A Manual was between 0.6 – 1.7 m<sup>3</sup>/min;
- the programmable timer was set for a sampling period of 24 hours ± 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	835852.3	815907.0
W4	Wan Chai Tower / Revenue Tower / Immigration Tower Cooling Water Intake <sup>(1)</sup>	5m below the top of the existing sea wall	835944.1	815885.0
W5	Great Eagle Centre, China Resources Building Cooling Water Intake	5m below the top of the existing sea wall	835963.4	815886.5

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

### 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
Dissolved Oxygen (DO) Suspended Solids (SS) Turbidity	3 days per week at mid-flood & mid-ebb tides	2	During installation and removal of 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 mid-ebb 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.



Measurements of suspended solids (SS), turbidity in Nephelometric Turbidity Units (NTU) and dissolved oxygen (DO) in  $\text{mgL}^{-1}$  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 (DO) in $\text{mgL}^{-1}$	Mid-Ebb	3.26	3.23
	Mid-Flood	3.25	3.14
Suspended Solids (SS) in $\text{mgL}^{-1}$	Mid-Ebb	9.00	10.00
	Mid-Flood	8.18	8.40
Turbidity (Tby) in NTU	Mid-Ebb	5.32	6.19
	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 use of a transparent PVC cylinder (Kahlsico Water Sampler), packed in ice (cooled to  $4^{\circ}\text{C}$  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<sup>(1)</sup> and the lowest detection limit is  $1 \text{ mgL}^{-1}$ . The

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

Quality Assurance/Quality Control (QA/QC) procedures were followed as required by HOKLAS.

#### *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*.

## ***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<sup>(1)</sup>. Relevant submissions made on these measures and requirements during the reporting period are summarized in *Annex K*.

<sup>(1)</sup> The last Monthly EM&A Report for January 2007 was submitted to the EPD on 15 February 2007.

### 5.1 AIR QUALITY

The monitoring data at AM1 and AM2 were provided by ETS-Testconsult Ltd. Six sets of 24-hour and fifteen 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. Eleven sets of water quality measurement were carried out at the designated monitoring stations W3, W4 and W5. The monitoring data and graphical presentations are summarized in *Annex I*. In addition, 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*.

**Table 5.1** *Summary of Record of Exceedance recorded in February 2007*

Station	Record of Exceedance
W4	Exceedance of Action Level of Dissolved Oxygen on 21 February 2007

No construction activity was being conducted in the vicinity of Station W4 during the time of monitoring on 21 February 2007. No silty water was observed to be discharged from the site to the water channel. The measured DO level of the water samples taken during the mid-ebb tide marginally exceeded the Action Level. The exceedance was likely due to natural fluctuation in water quality rather than Project works. The measured DO levels of water samples taken during the mid-ebb tide on 23 February 2007 complied with the Action Level.

Notification of Exceedances with detailed investigation reports were issued to IEC and EPD immediately when the exceedance was identified.

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 temporary construction waste sorting facility and the public fill barging point at Quarry Bay respectively.

**Table 5.2**      *Quantities of Waste Generated from the Project*

Month / Year	Quantity		
	C&D Materials (inert) <sup>(a)</sup>	C&D Materials (non-inert) <sup>(b)</sup>	Chemical Waste
February 2007	814 tonnes	121 tonnes (excluding 5 tonnes steel material)	288 Litre

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. A total of 5 tonnes of steel material were sent to recycler and the remaining C&D wastes other than general refuse were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility.

Weekly site inspections were carried out by the ET. Four site inspections were conducted on 1, 8, 14 and 22 February 2007. There was no non-compliance event recorded in the reporting month.

Major findings and recommendations are summarized as follows:

*Site Specific*

- (i) Oil leakage was observed at the area adjacent to a generator located at the western working platform, as a result of insufficient size of the drip tray provided for the generator. The Contractor was recommended to replace a larger drip tray and remove the oil stains on the working platform in accordance with the *Emergency Plan for Oil Spillage*. Corrective action was taken in the reporting period.
- (ii) The Contractor was reminded to remove the stockpile materials on the piling platform and cover the exposed surface with tarpaulin sheets at the end of each working day to avoid dust formation. Corrective action was taken in the reporting period.
- (iii) The Contractor was recommended to remove the rubbish and demolition material (ie concrete blocks and bamboo scaffolding) scattering on the northern seawall. Corrective action was taken in the reporting period.
- (iv) The Contractor was reminded to seal the gaps of the working platform to avoid any wastewater/oil leaking from the gaps to the water channel. Corrective action was taken in the reporting period.
- (v) The Contractor was recommended to repair the rubbish booms on both end of the water channel and remove the rubbish adhering to the screen. Corrective action was taken in the reporting period.
- (vi) Silt screen at the northern side was damaged and repair was required. 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. The last water quality sampling was conducted on 7 December 2006 and reported in the last monthly report. The next sampling is scheduled to be conducted in March 2007.

### *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*.

**7.1 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.

An exceedance of Action Level of Dissolved Oxygen was recorded on 21 February 2007. 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.



### 8.1 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
<ul style="list-style-type: none"> <li>• Pre-bored H piles at southern and northern sides</li> <li>• Construction of marine platform at east shore and west shore</li> <li>• Construction of marine pile at sea channel</li> <li>• Construction of temporary pile cap TSP1, TSP4 and spreader beam</li> <li>• Construction of RC column at Grid A1a/24</li> <li>• Construction of pedestrian tunnel at Zone 1 (Grid 14-16)</li> <li>• Erection of A1 Truss at Grid A1</li> </ul>

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 February 2007 and the water monitoring will be conducted during the installation of temporary marine piles. The tentative schedule of water quality monitoring for the 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. As part of the application for the variation of EP, the Permit Holder proposed to conduct additional water quality monitoring to monitor the water quality in the marine channel in connection with the installation of temporary marine piles, in addition to the water quality monitoring at designated cooling water intakes currently being undertaken in accordance with the requirements set out in the EM&A Manual on the EIAO Register. The additional water quality monitoring programme is being prepared and will be submitted to the EPD for review and approval. It is envisaged that the proposed additional water quality monitoring can commence by the end of March 2007 if no major comments are received from the EPD.

### 8.3 CONSTRUCTION PROGRAMME FOR THE NEXT THREE MONTHS

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

### 9.1 AIR QUALITY

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/m <sup>3</sup>	Measured 24 hour TSP Monitoring Results, ug/m <sup>3</sup> <sup>(2)</sup>	
		24 hour <sup>(1)</sup>	Average	Range
AM1	AM8	260	84	34 – 145
AM2	AM6	260	77	29 - 145

Remarks:

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

<sup>(2)</sup> Average and range of data were calculated for the period of monitoring between August 2006 to February 2007

The monitoring results show that the 24-hour TSP levels during the reporting period were well below 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 are implemented during the reporting period and regarded as effective.

**Table 9.3**      *Comparison of the Estimated Amount and the Actual Amount of Waste Generated*

Type of Material	Estimated Amount of C&D Materials in EIA (inert & non-inert)	Actual Amount of C&D Materials Recorded <sup>(1)</sup> (inert & non-inert)
Demolition of temporary footbridge	585 tonnes	0
Demolition of existing Atrium Link	4,680 tonnes	305 tonnes
Demolition of temporary working platform	390 tonnes	0
Construction of foundations and pile caps	20,000 tonnes	9,832 tonnes
General Refuse	Insignificant	401 tonnes
Chemical Waste	Small	288 Litres
Remark: (1) The actual amount of C&D Materials was recorded since the commencement of construction works.		

#### 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.

The Environmental Monitoring and Audit (EM&A) Report presents the EM&A works undertaken during the period from 1 February to 28 February 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.

An exceedance of Action Level of Dissolved Oxygen was recorded on 21 February 2007. Result of investigation indicated that the exceedance was 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

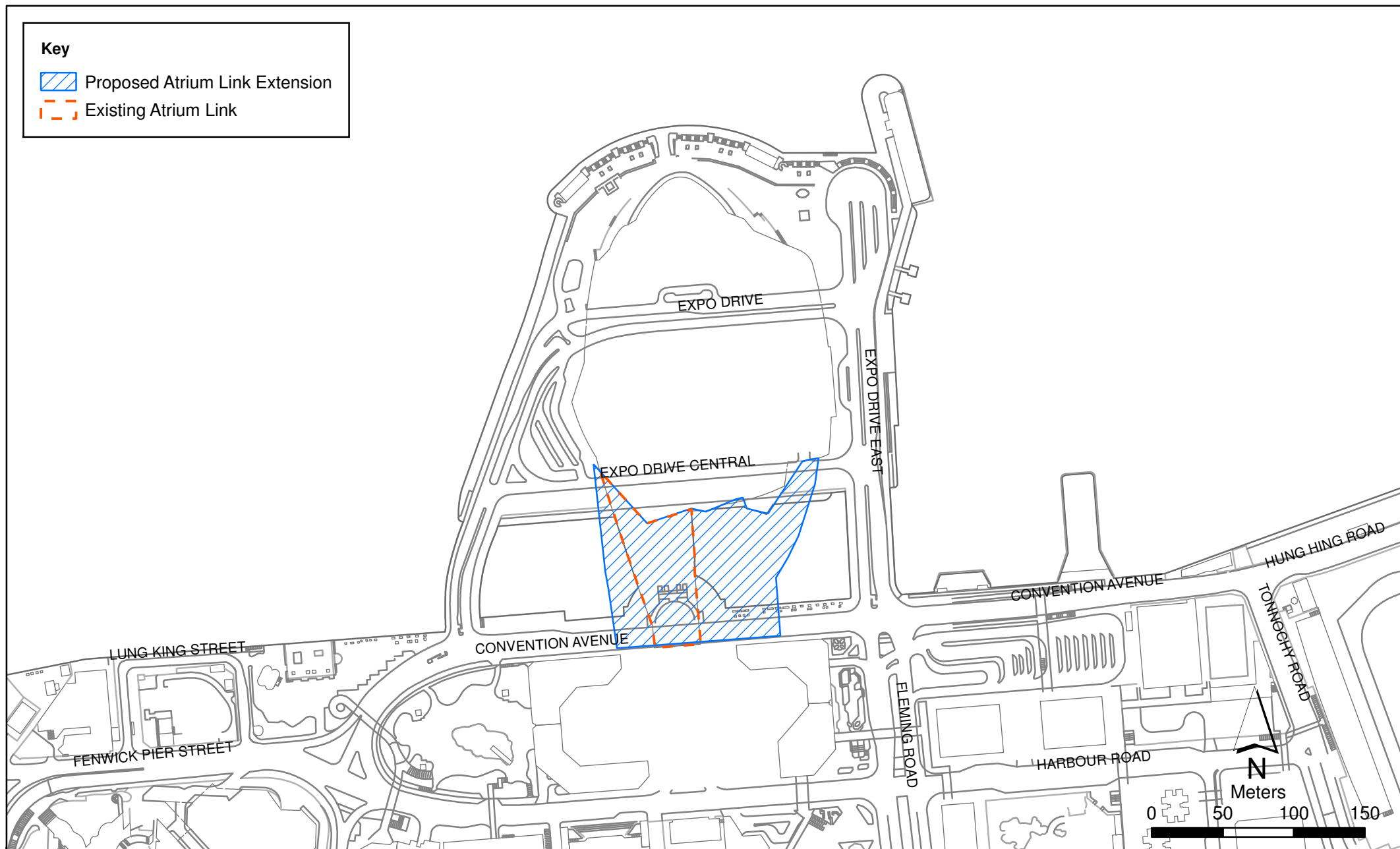
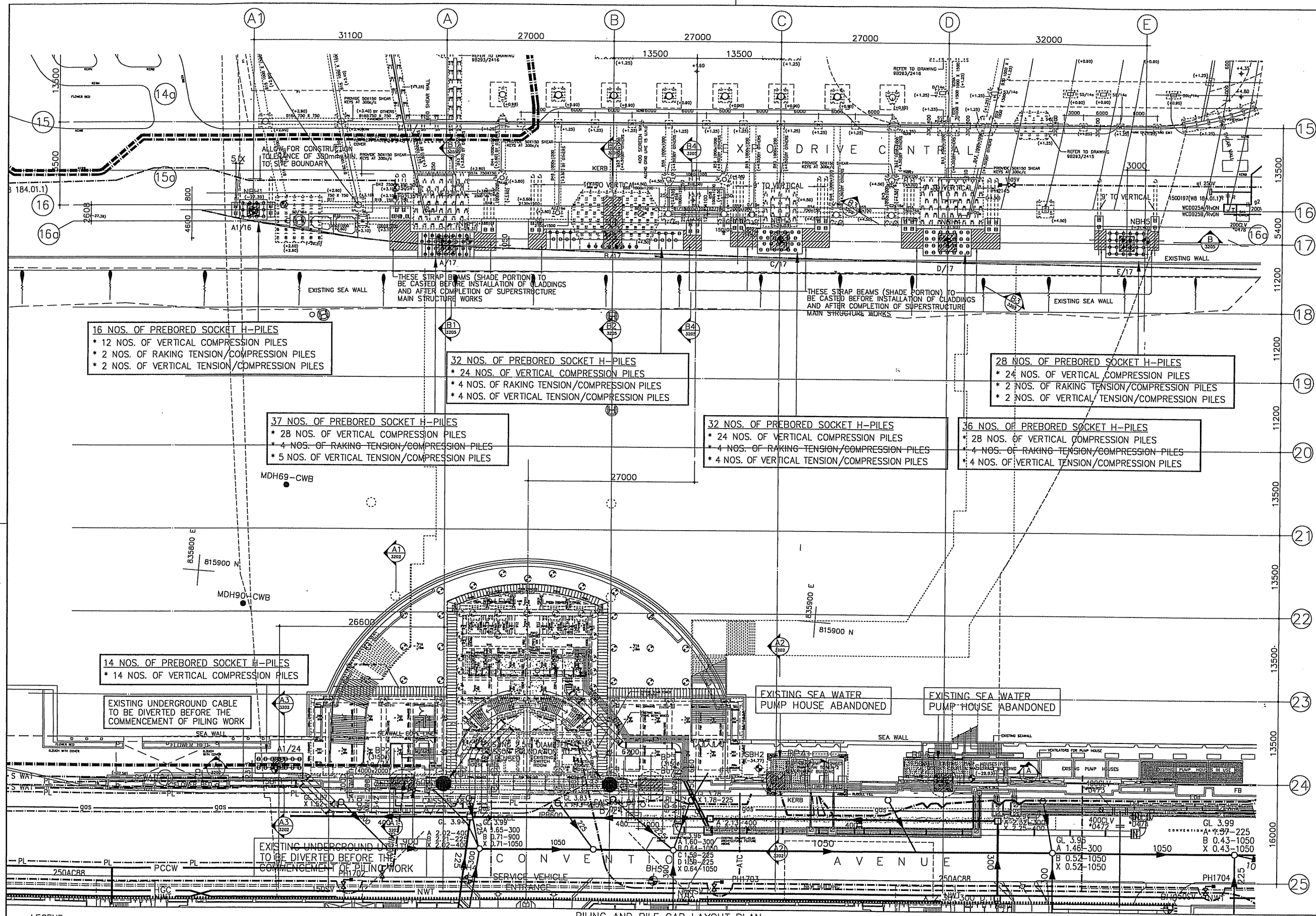


Figure A1

Location of Atrium Link Extension







Annex B

Location of Construction  
Activities during the  
Reporting Month



B.L.D. REF		
F.S.D. REF		
REVISIONS		
NUMBER	DESCRIPTION	DATE
-	FOR SUBMISSION	9-6-06
A	PILING FOR COLUMNS A1/24, A1a/24, A/24, B/24 & Bb/24 REVISED.	20-7-06
	FOR AMENDMENT SUBMISSION	21-7-06
B	PILING FOR COLUMNS A1/16, A/17, B/17, C/17, D/17 & E/17 REVISED.	25-7-06
	FOR AMENDMENT SUBMISSION	26-7-06
C	REVISE DETAILS FOR Bp4, Bp5	31-7-06
	FOR AMENDMENT SUBMISSION (MTR)	3-8-06
D	REVISE DETAILS FOR A1/16, A/17, B/17, C/17, D/17 & E/17	4-8-06
	REPLACE SUBMISSION AT 26-7-06	4-8-06
E	FOR SUBMISSION TO CEDD	10-8-06
F	COLUMN A/17 LOCATION REVISED.	18-8-06

AMENDED PLAN

CLIENT		
 香港貿易發展局 Hong Kong Trade Development Council		
MAIN CONTRACTOR		
  Hip Hing - Ngo Kee Joint Venture		
ARCHITECT		
 <b>WONG &amp; OUYANG (HK) LTD</b> ARCHITECTS AND ENGINEERS		
STRUCTURAL ENGINEER		
 <b>WONG &amp; OUYANG (CIVIL STRUCTURAL ENGINEERING) LTD.</b>		
BUILDING SERVICES ENGINEER		
 <b>WONG &amp; OUYANG (BUILDING SERVICES) LTD</b>		
PROJECT		
HONG KONG CONVENTION & EXHIBITION CENTRE EXPANSION PROJECT		
DRAWING TITLE		
PILING AND PILE CAP LAYOUT PLAN (PREBORED H-PILE AND BORED PILE		
DESIGNER'S SIGNATURE FOR SUBMISSION		
SIGN	DATE	
INDEPENDENT DESIGN CHECKER'S SIGNATURE FOR SUBMISSION		
SIGN	DATE	
DRAWN BY	SIZE	DATE 24-2-06
ENTERED BY	CHK/PAX	PLOT DATE 26-7-06
CHECKED BY	LTV	DATE 26-7-06
SCALE	1:300	PRINT DATE 26-7-06
JOB NUMBER	DRAWING NUMBER	REVISION
2119	3201	F
DO NOT SCALE OFF DRAWING. THIS DRAWING IS NOT FOR CONSTRUCTION PURPOSES UNLESS EXPRESSLY STATED. ALL RIGHTS RESERVED AND REPRODUCTION IN ANY FORM MUST BE APPROVED BY WONG & OUYANG (HK) LTD.		

PROGRESS PRINT



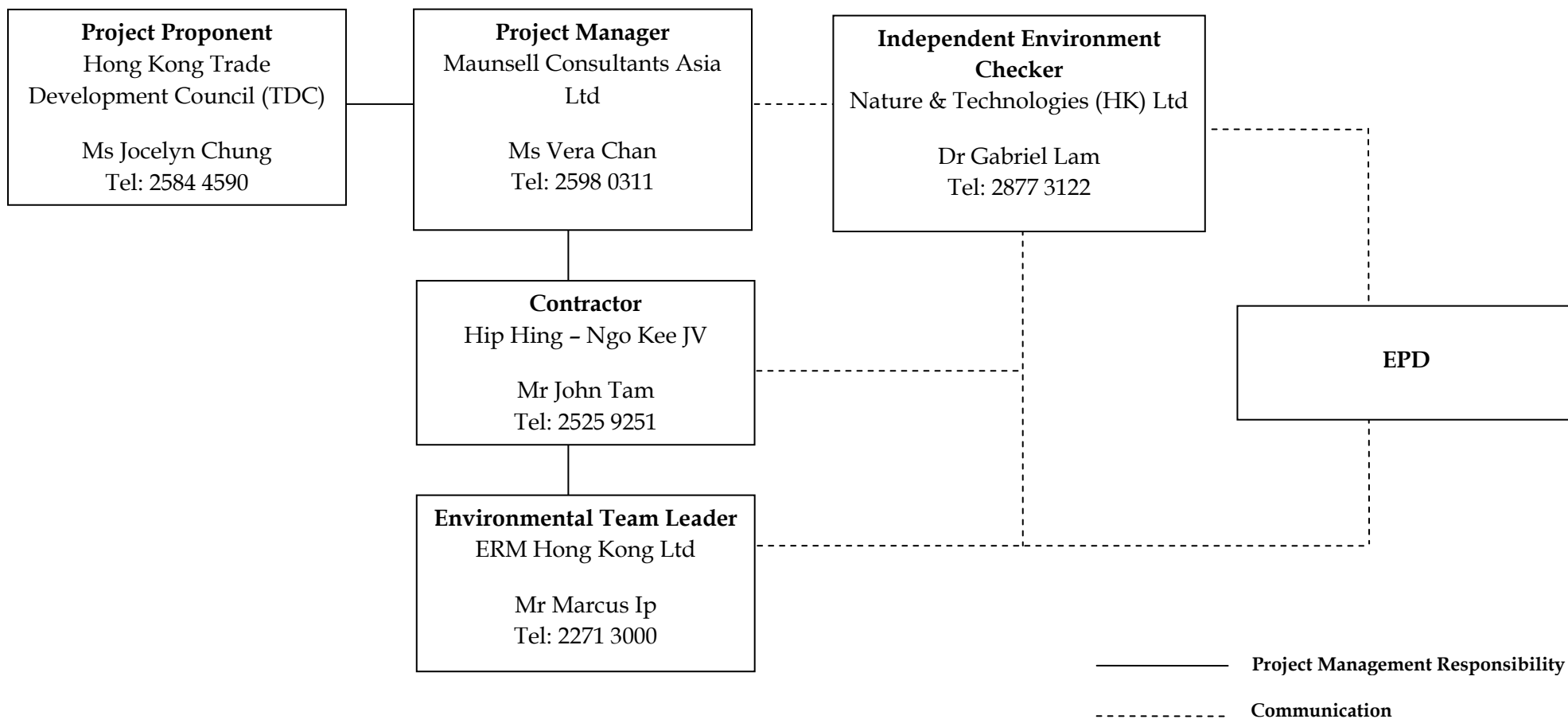
## **Summary of Works for February 2007**

<b>Description</b>	<b>Location</b>
Pre-bored H piles at northern sides	B/17 and D/17
Mini piles for marine platform at southern and northern sides	G/F North & South Side
Marine Pile Installation	Sea channel
Excavation of bored pile at BP3	BP3
Stitch drilling of bored pile at BP4	BP4
Stitch drilling and pre-trenching of bored pile at BP5	BP5
Demolition of Phase II	Grid 16/ B-D from upper roof down to Level 2
Construction of RC Column	Grid A1/16
Removal of glass wall	West façade
Erection of temporary enclosed pedestrian walkway mock-up	Outside site office

Annex C

## Project Organisation

*Project Organization (with contact details)*



## Annex D

# Locations of Air and Water Quality Monitoring Stations

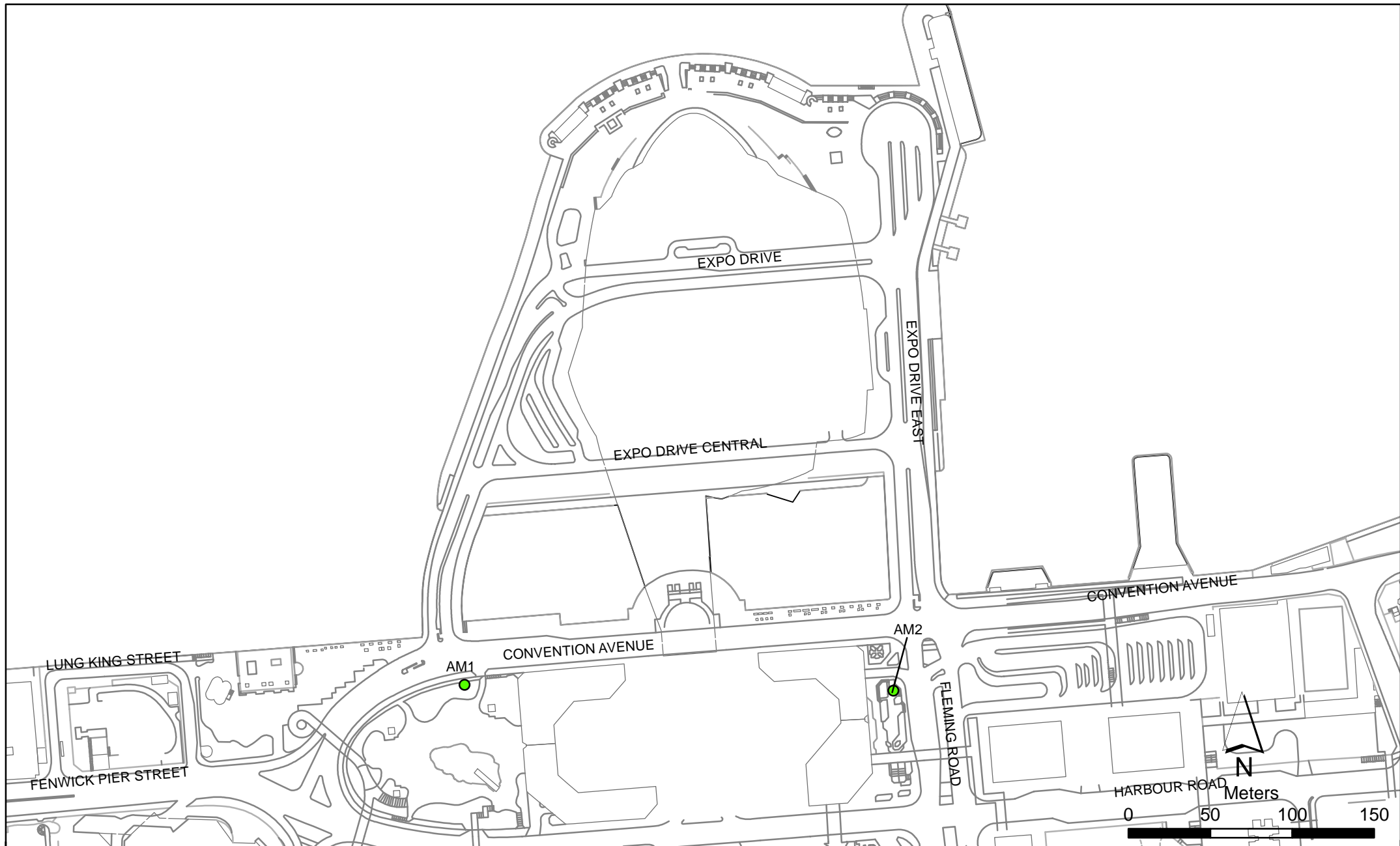


Figure D1

Air Quality Monitoring Station

File: 0050690\_2.mxd  
Date: 08/09/2006

Environmental  
Resources  
Management



Monitoring Station	Description	Easting	Northing
W3	Hong Kong Convention and Exhibition Centre Phase I	835852.3	815907.0
W4	Wan Chai Tower/Revenue Tower/Immigration Tower	835944.1	815885.0
W5	Great Eagle Centre/China Resources Building	835963.4	815886.5

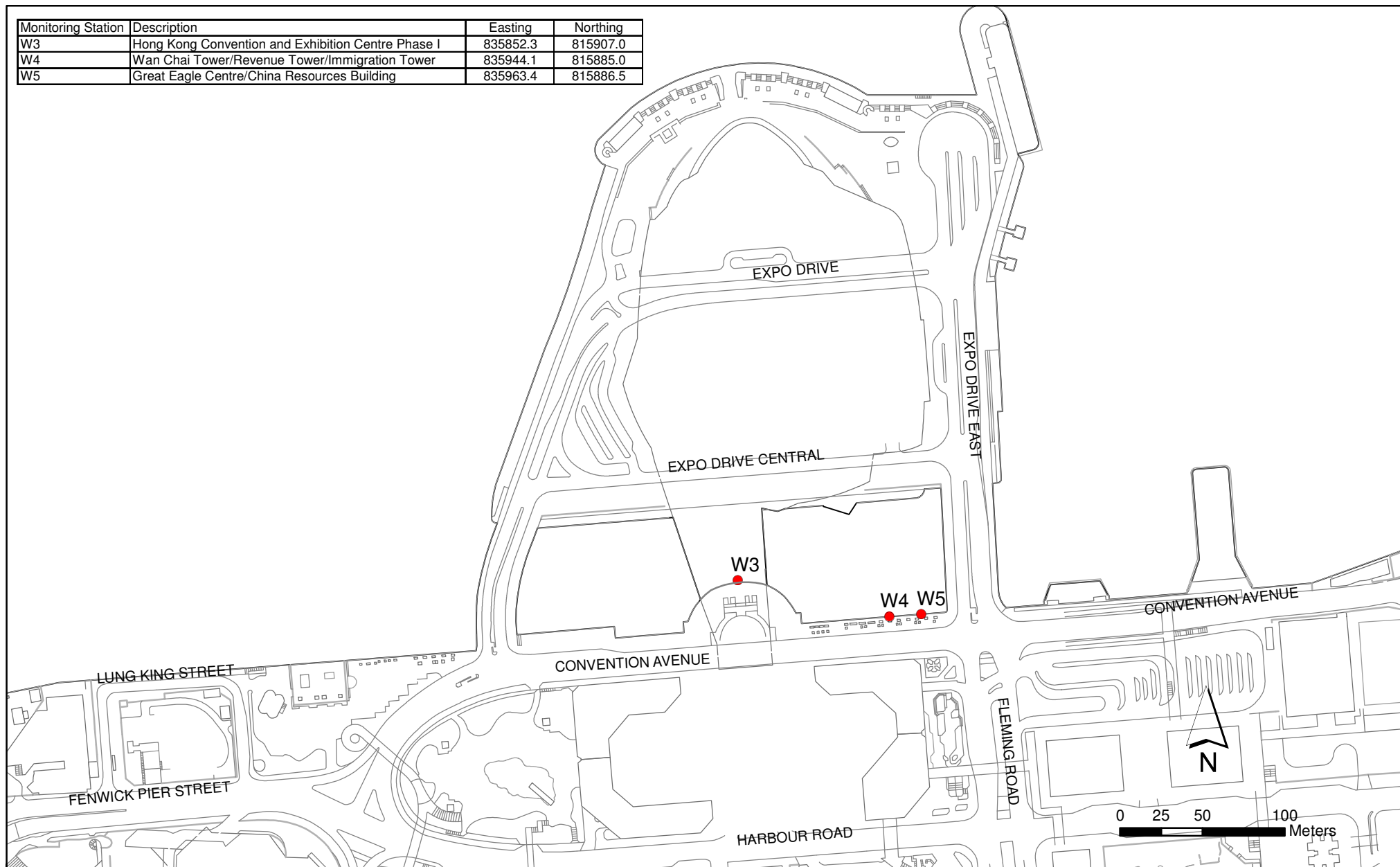


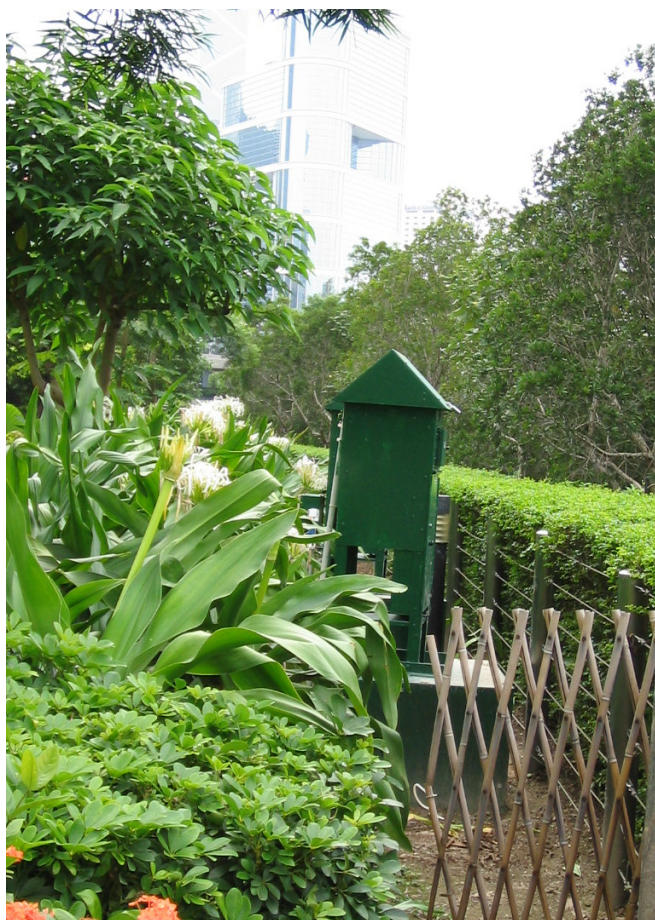
Figure D2

## Marine Water Quality Monitoring Stations

File: 0050690\_6.mxd  
Date: 28/2/2007

**Environmental  
Resources  
Management**



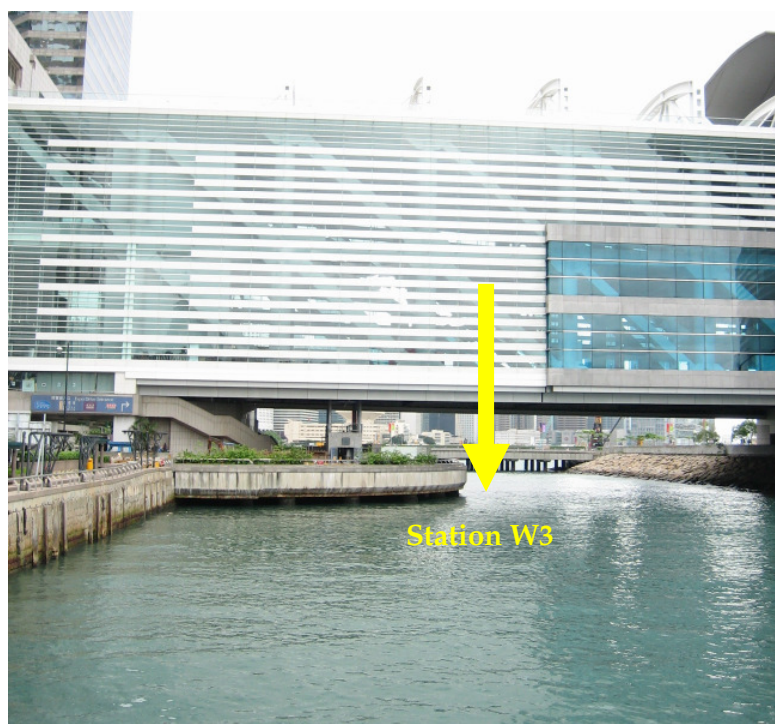


Air Quality Monitoring Station (AM1)



Air Quality Monitoring Station (AM2)





Water Quality Monitoring Location – Station W3



Water Quality Monitoring Location – Stations W4 and W5



## Annex E

### Monitoring Schedule for the reporting period and next month

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01-Feb	02-Feb	03-Feb
					Proposed 12:48 Mid-flood 17:59  <b>No mid-ebb</b>	
04-Feb	05-Feb	06-Feb	07-Feb	08-Feb	09-Feb	10-Feb
	Mid-flood 08:47 Mid-ebb 14:18		Mid-flood 09:31 Mid-ebb 15:22		Mid-flood 10:21 Mid-ebb 16:47	
11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb
	Mid-flood 09:00 Proposed 18:00  <b>Mid-ebb out of piling hour</b>		Mid-flood 10:17 Proposed 18:30  <b>Mid-ebb out of piling hour</b>		Proposed 11:55 Mid-flood 16:46  <b>No mid-ebb</b>	
18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb
			Mid-flood 09:01 Mid-ebb 15:06		Mid-flood 10:06 Mid-ebb 16:47	
25-Feb	26-Feb	27-Feb	28-Feb			
	Mid-flood 09:59 Proposed 18:00  <b>Mid-ebb out of piling hour</b>		Mid-flood 10:37 Proposed 18:00  <b>Mid-ebb out of piling hour</b>			

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

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	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-ebb 13:17		Mid-flood 08:12 Mid-ebb 14:14		Mid-flood 08:48 Mid-ebb 15:14	
11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar
	Mid-flood 09:00 Mid-ebb 18:00		Mid-flood 08:55 Proposed 18:30  <b>Mid-ebb out of piling hour</b>		Proposed 10:57 Mid-flood 15:42  <b>No mid-ebb</b>	
18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar
	Mid-ebb 12:40 Mid-flood 18:36		Mid-flood 07:44 Mid-ebb 13:57		Mid-flood 08:46 Mid-ebb 15:26	
25-Mar	26-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar
	Mid-flood 09:30 Mid-ebb 18:30		Mid-flood 09:14 Mid-ebb 18:30		Proposed 11:05 Mid-flood 16:25  <b>No mid-ebb</b>	

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

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

**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	

Annex F

## Calibration Reports for HVS



**東業德勤測試顧問有限公司**  
**ETS-TESTCONSULT LIMITED**

8/F., Block B, Veristrong Industrial Centre, 84-86 Au Pui Wan Street, Fo Tan, Hong Kong  
 Tel : 2695 8318 E-mail : etl@ets-testconsult.com  
 Fax : 2695 3944 Web site : www.ets-testconsult.com

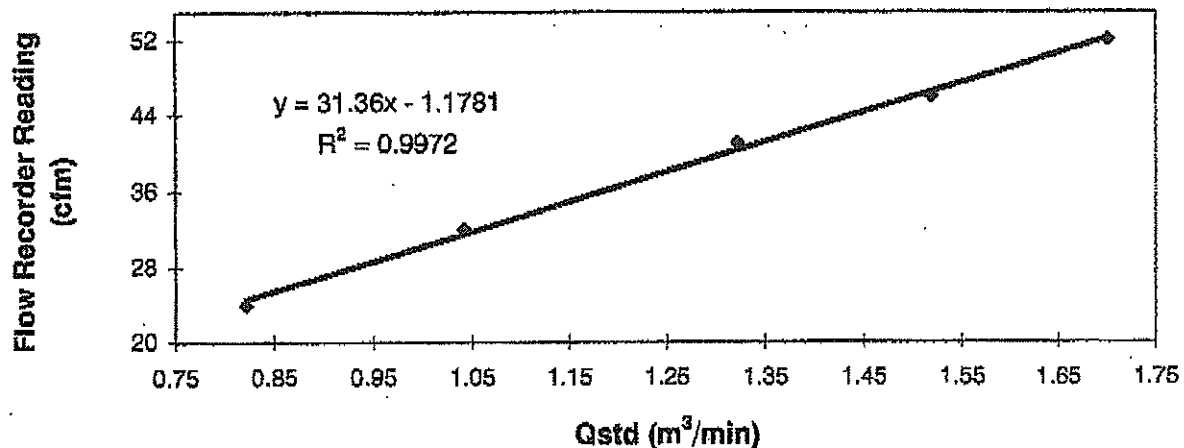
**TEST REPORT**

**Calibration Report**  
**of**  
**High Volume Air Sampler**

**Manufacturer** : Graseby GMW **Date of Calibration** : 27 December 2006  
**Serial No.** : 9864 (ET / EA / 003 / 19) **Calibration Due Date** : 26 February 2007  
**Method** : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

<b>Results</b>	Flow recorder reading (cfm)	52	46	41	32	24
	Qstd (Actual flow rate, m <sup>3</sup> /min)	1.70	1.52	1.32	1.04	0.82
	Pressure :	762.06 mm Hg		Temp. :	293 K	

**Sampler 9864 Calibration Curve**  
**Site: Wan Chai (AM-1)**  
**Date of Calibration: 27 December 2006**



**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 : MAK Kei Wai  
 MAK Kei Wai  
 (Technician)

Approved by : H. T. CHOW  
 H. T. CHOW  
 (Asst. Environmental Officer)



# 東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

B/F, Block B, Verstrong Industrial Centre, 34-36 Au Pul Wan Street, Foton, Hong Kong  
Tel : 2695 8318 E-mail : etl@ets-testconsult.com  
Fax : 2695 3944 Web site : www.ets-testconsult.com

## TEST REPORT

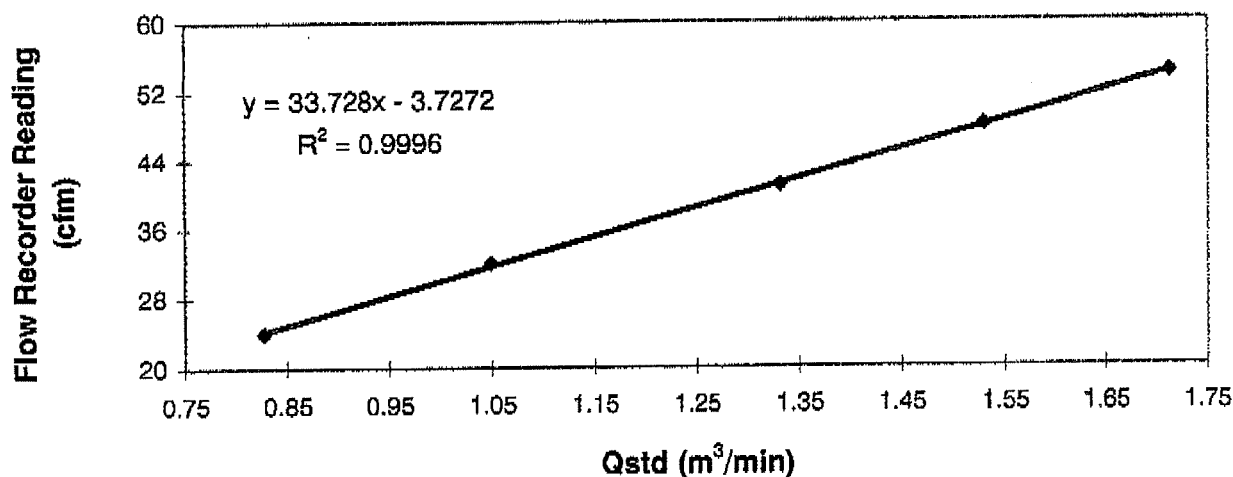
### Calibration Report of High Volume Air Sampler

**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 reading (cfm)	54	48	41	32	24
Qstd (Actual flow rate, m <sup>3</sup> /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 : MAK Kei Wai  
MAK Kei Wai  
(Senior Technician)

Approved by : H. T. CHOW  
H. T. CHOW  
(Asst. Environmental Officer)





# 東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

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Fax : 2695 3944

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## TEST REPORT

### Calibration Report of High Volume Air Sampler

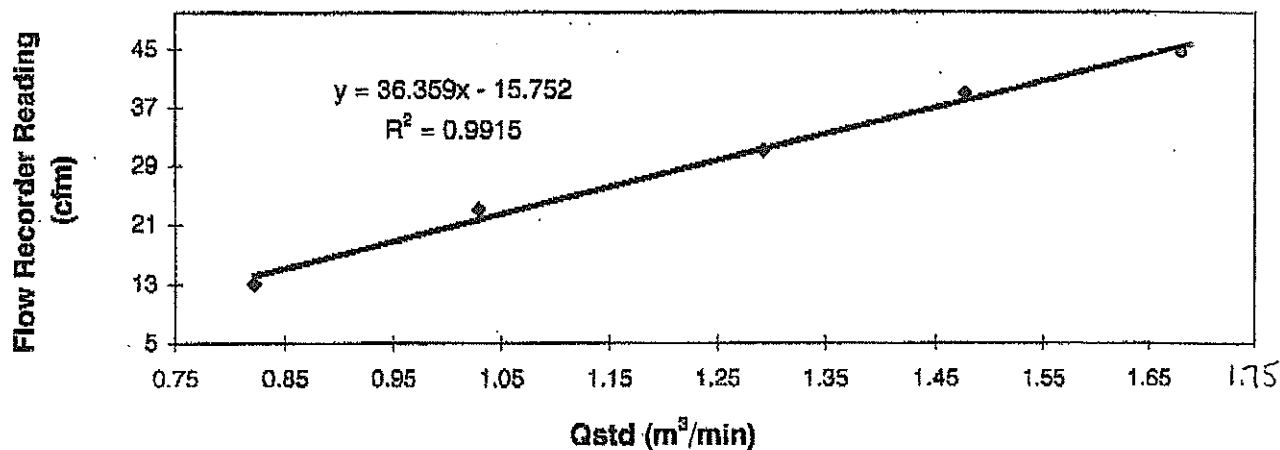
Manufacturer : Graseby GMW Date of Calibration : 27 December 2006

Serial No. : 9795 ( ET / EA / 003 / 18 ) Calibration Due Date : 26 February 2007

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results	Flow recorder reading (cfm)	44	39	31	23	13
	Qstd (Actual flow rate, m <sup>3</sup> /min)	1.67	1.48	1.29	1.03	0.82
	Pressure : 762.06 mm Hg	Temp. : 293 K				

### Sampler 9795 Calibration Curve Site: Wan Chai (AM-2) Date of Calibration: 27 December 2006



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 : MAK Kei Wai  
(Technician)Approved by : H. T. CHOW  
(Asst. Environmental Officer)



# 東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

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Fax : 2695 3944 Web site : www.ets-testconsult.com

## TEST REPORT

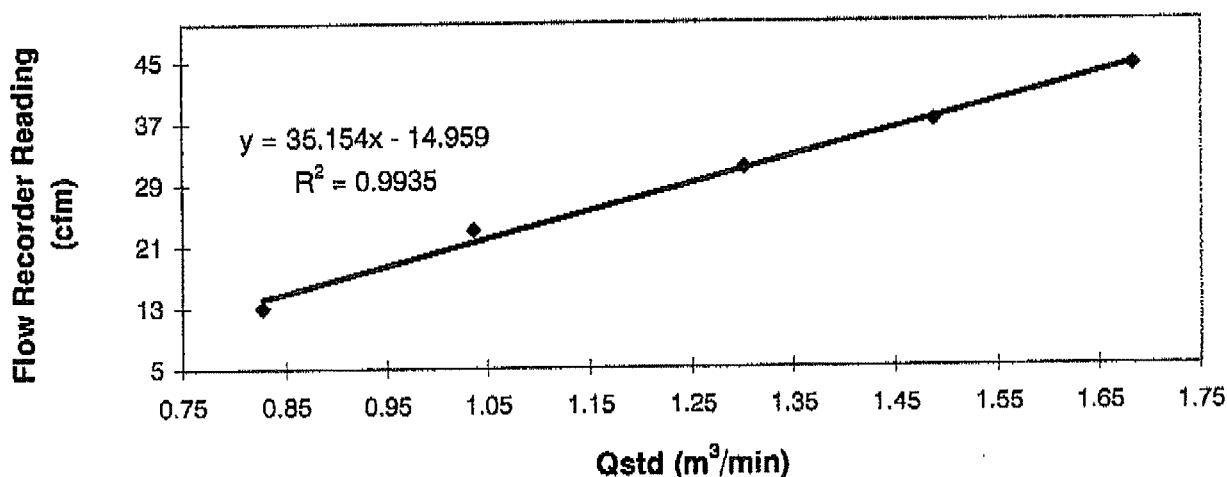
### Calibration Report of High Volume Air Sampler

**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 reading (cfm)	44	37	31	23	13
Qstd (Actual flow rate, m <sup>3</sup> /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 : MAK Kei Wai  
MAK Kei Wai  
(Senior Technician)

Approved by : H. T. CHOW  
H. T. CHOW  
(Asst. Environmental Officer)

## Annex G

# 24-hour and 1-hour TSP Monitoring Results

Figure G1 - Measured 24-hour TSP Concentration ( $\mu\text{g}\text{m}^{-3}$ ) at AM1

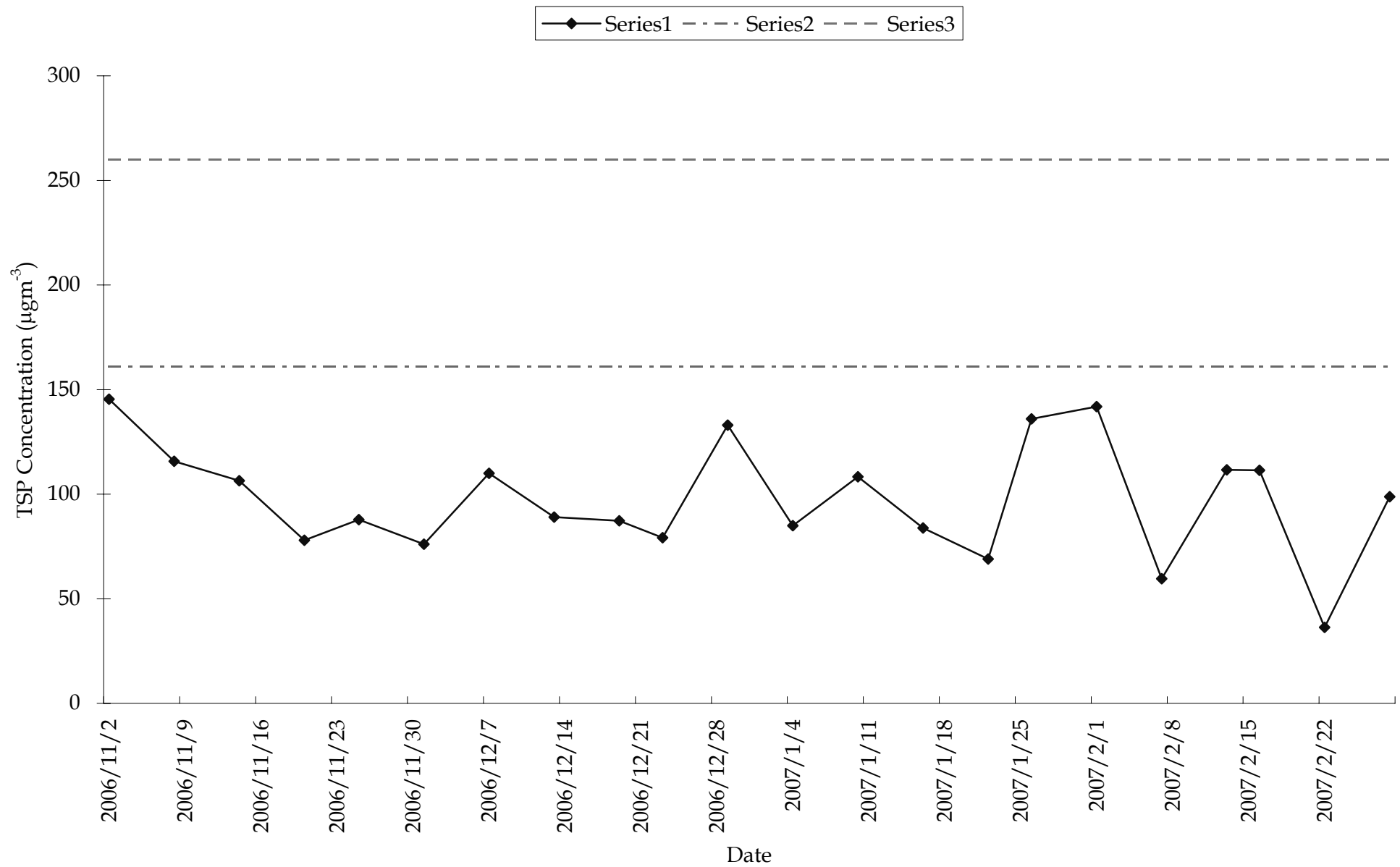


Figure G2 - Measured 24-hour TSP Concentration ( $\mu\text{gm}^{-3}$ ) at AM2

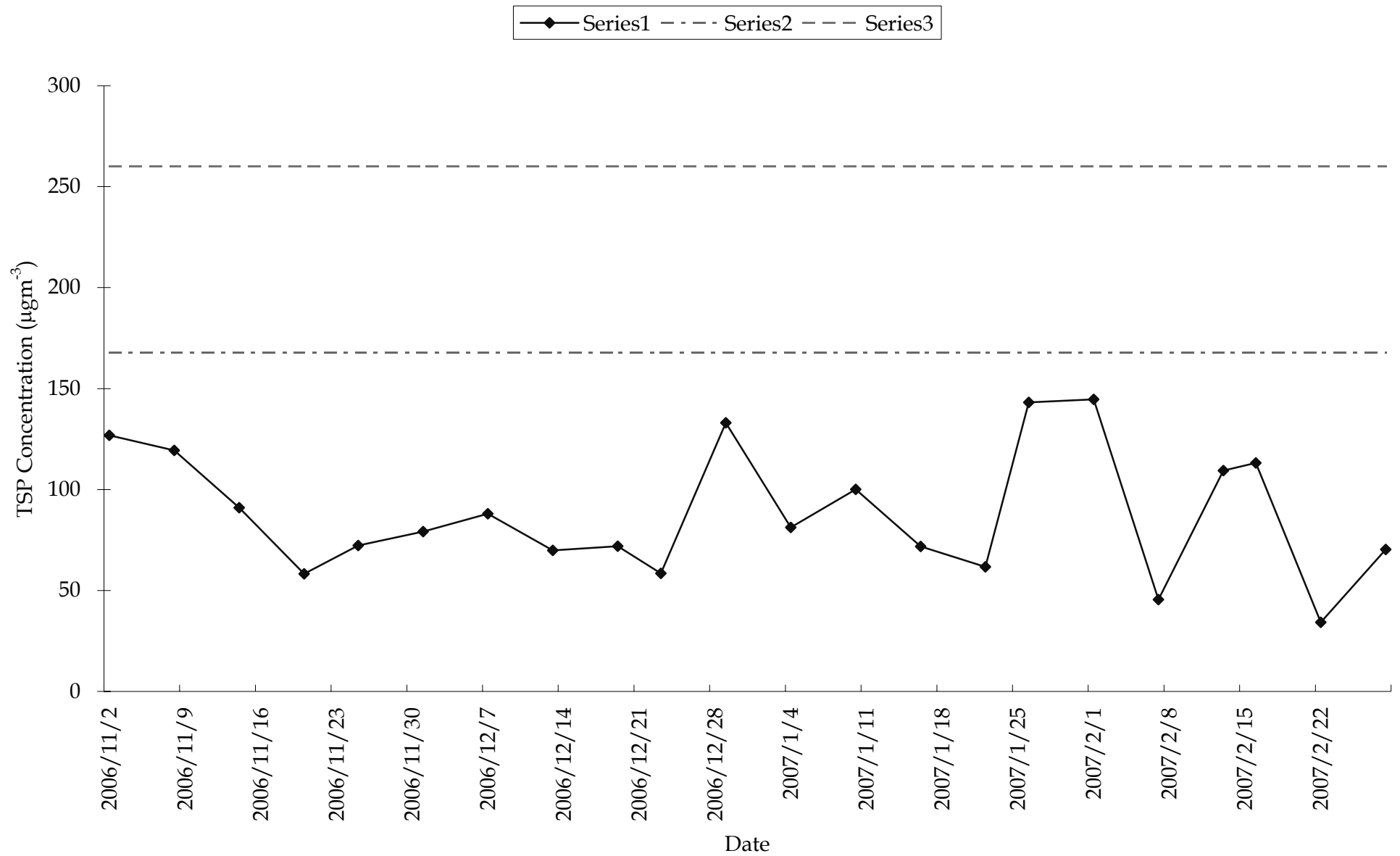


Figure G3 - Measured 1-hour TSP Concentration ( $\mu\text{g}\text{m}^{-3}$ ) at AM1

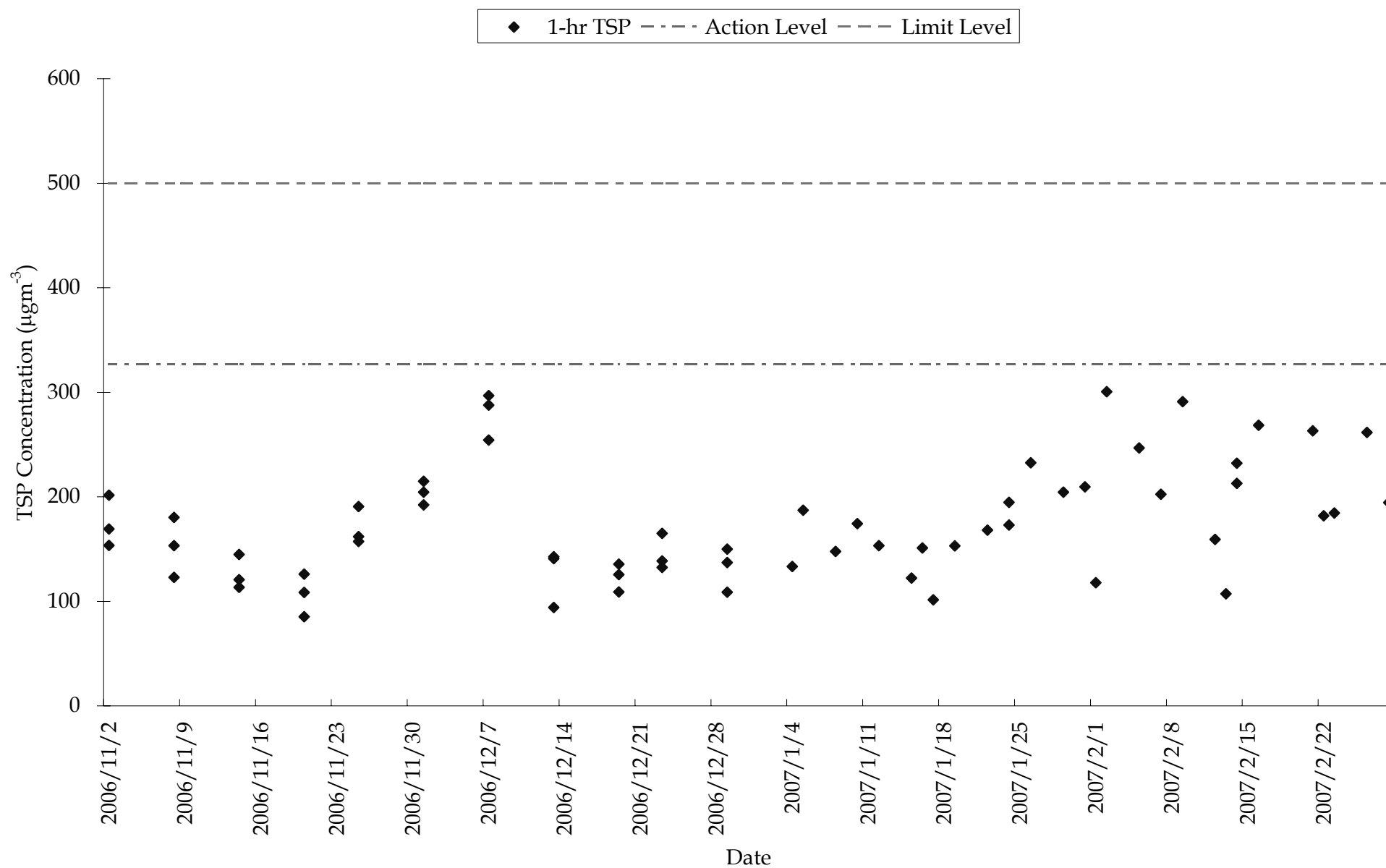
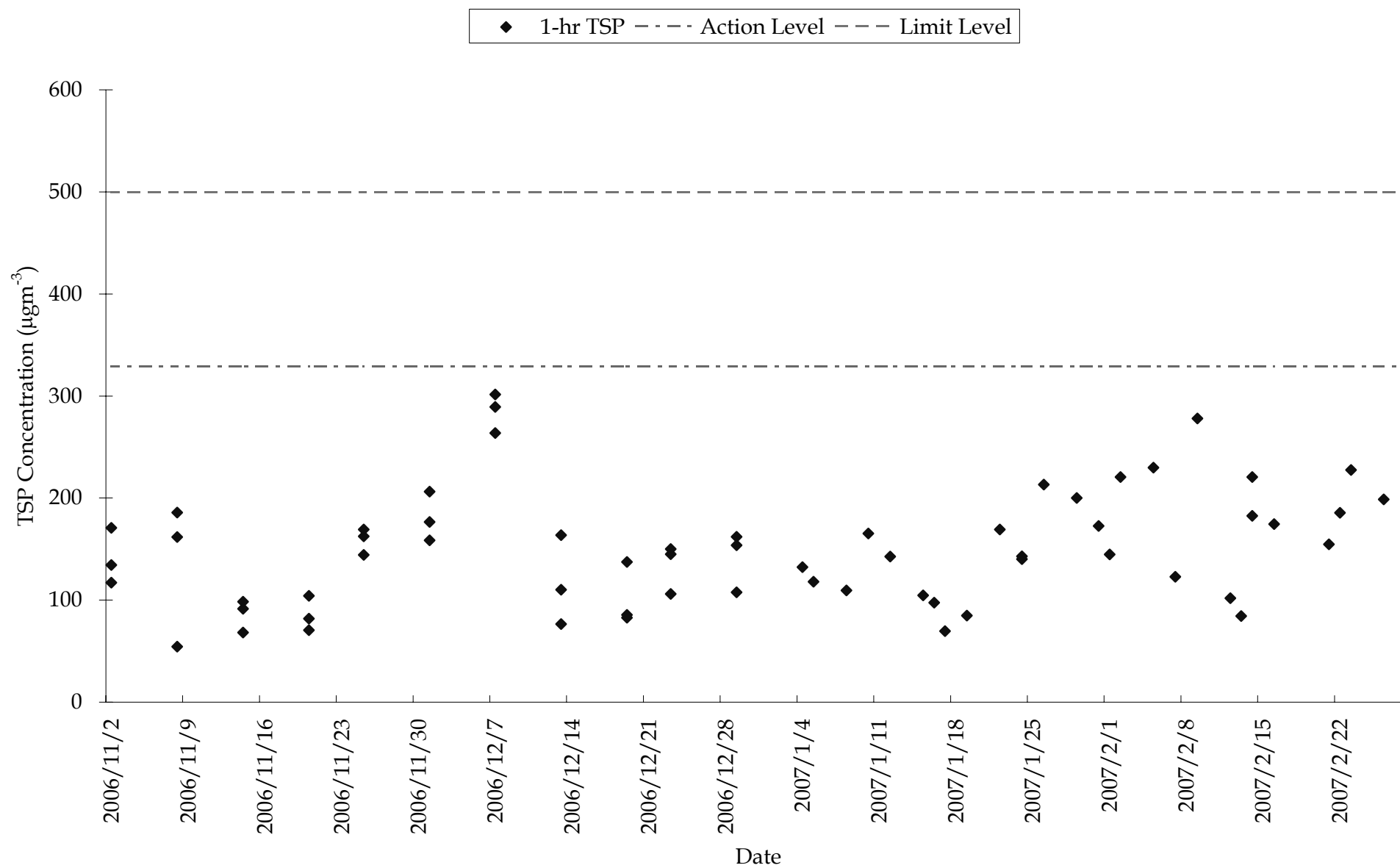


Figure G4 - Measured 1-hour TSP Concentration ( $\mu\text{gm}^{-3}$ ) at AM2



## 24-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m <sup>3</sup> /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )
	Initial	Final	Initial	Final	Initial	Final							
01-Feb-07	2.8674	3.0640	0.96	0.96	11209.5	11233.5	24.0	142	Cloudy	17.2	0.1966	0.96	1385.7
07-Feb-07	2.8926	2.9807	1.03	1.03	11236.5	11260.5	24.0	60	Cloudy	20.8	0.0881	1.03	1477.6
13-Feb-07	2.8388	3.0396	1.25	1.25	11263.5	11287.5	24.0	112	Cloudy	20.6	0.2008	1.25	1799.0
16-Feb-07	2.8201	3.0205	1.25	1.25	11290.5	11314.5	24.0	111	Cloudy	19.3	0.2004	1.25	1799.0
22-Feb-07	2.8253	2.8907	1.25	1.25	11316.5	11340.5	24.0	36	Rainy	18.0	0.0654	1.25	1799.0
28-Feb-07	2.8529	3.0288	1.24	1.24	11343.5	11367.5	24.0	99	Cloudy	18.9	0.1759	1.24	1781.6
								Min	36				
								Max	142				
								Average	93				

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

Date	Filter Weight (g)		Flow Rate (m <sup>3</sup> /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )
	Initial	Final	Initial	Final	Initial	Final							
01-Feb-07	2.8682	3.1590	1.40	1.40	9635.0	9659.0	24.0	145	Cloudy	17.2	0.2908	1.40	2010.1
07-Feb-07	2.8999	2.9987	1.51	1.51	9662.0	9686.0	24.0	46	Cloudy	20.8	0.0988	1.51	2169.4
13-Feb-07	2.8132	3.0548	1.53	1.53	9689.0	9713.0	24.0	109	Cloudy	20.6	0.2416	1.53	2208.1
16-Feb-07	2.8181	3.0724	1.56	1.56	9716.0	9740.0	24.0	113	Cloudy	19.3	0.2543	1.56	2247.7
22-Feb-07	2.8054	2.8823	1.56	1.56	9742.0	9766.0	24.0	34	Rainy	18.0	0.0769	1.56	2247.7
28-Feb-07	2.8469	3.0024	1.53	1.53	9769.0	9793.0	24.0	70	Cloudy	18.9	0.1555	1.53	2210.3
								Min	34				
								Max	145				
								Average	86				



### 1-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m <sup>3</sup> /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )
	Initial	Final	Initial	Final	Initial	Final							
01-Feb-07	2.8806	2.8951	0.96	0.96	11208.5	11209.5	1.0	251	Cloudy	17.2	0.0145	0.96	57.7
02-Feb-07	2.8800	2.8921	1.03	1.03	11233.5	11234.5	1.0	197	Cloudy	15.8	0.0121	1.03	61.6
05-Feb-07	2.9033	2.9143	0.99	0.99	11234.5	11235.5	1.0	184	Cloudy	17.7	0.0110	0.99	59.7
07-Feb-07	2.9042	2.9145	0.99	0.99	11235.5	11236.5	1.0	173	Cloudy	20.8	0.0103	0.99	59.7
09-Feb-07	2.8760	2.8911	1.12	1.12	11260.5	11261.5	1.0	224	Cloudy	22.0	0.0151	1.12	67.3
12-Feb-07	2.8916	2.9031	1.12	1.12	11261.5	11262.5	1.0	171	Cloudy	18.8	0.0115	1.12	67.3
13-Feb-07	2.8853	2.9002	1.09	1.09	11262.5	11263.5	1.0	228	Cloudy	20.6	0.0149	1.09	65.4
14-Feb-07	2.8066	2.8224	1.25	1.25	11287.5	11288.5	1.0	211	Cloudy	21.4	0.0158	1.25	75.0
14-Feb-07	2.8534	2.8740	1.25	1.25	11288.5	11289.5	1.0	275	Cloudy	21.4	0.0206	1.25	75.0
16-Feb-07	2.8141	2.8323	1.25	1.25	11289.5	11290.5	1.0	243	Cloudy	19.3	0.0182	1.25	75.0
21-Feb-07	2.8084	2.8251	1.25	1.25	11314.5	11315.5	1.0	223	Cloudy	19.3	0.0167	1.25	75.0
22-Feb-07	2.8047	2.8177	1.25	1.25	11315.5	11316.5	1.0	173	Rainy	18.0	0.0130	1.25	75.0
23-Feb-07	2.8212	2.8346	1.25	1.25	11340.5	11341.5	1.0	179	Cloudy	19.4	0.0134	1.25	75.0
26-Feb-07	2.8189	2.8310	1.24	1.24	11341.5	11342.5	1.0	161	Cloudy	18.3	0.0121	1.24	75.0
28-Feb-07	2.8191	2.8363	1.24	1.24	11342.5	11343.5	1.0	232	Cloudy	18.9	0.0172	1.24	74.2
								Min	161				
								Max	275				
								Average	208				

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

Date	Filter Weight (g)		Flow Rate (m <sup>3</sup> /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m <sup>3</sup> )	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m <sup>3</sup> /min)	Total vol. (m <sup>3</sup> )
	Initial	Final	Initial	Final	Initial	Final							
01-Feb-07	2.8728	2.8955	1.45	1.45	9634.0	9635.0	1.0	261	Cloudy	17.2	0.0227	1.45	87.1
02-Feb-07	2.9104	2.9257	1.56	1.56	9659.0	9660.0	1.0	163	Cloudy	15.8	0.0153	1.56	93.7
05-Feb-07	2.8495	2.8603	1.45	1.45	9660.0	9661.0	1.0	124	Cloudy	17.7	0.0108	1.45	87.1
07-Feb-07	2.8979	2.9083	1.45	1.45	9661.0	9662.0	1.0	119	Cloudy	20.8	0.0104	1.45	87.1
09-Feb-07	2.8906	2.9135	1.42	1.42	9686.0	9687.0	1.0	265	Cloudy	22.0	0.0229	1.42	86.3
12-Feb-07	2.8792	2.8963	1.45	1.45	9687.0	9688.0	1.0	196	Cloudy	18.8	0.0171	1.45	87.1
13-Feb-07	2.8259	2.8402	1.51	1.51	9688.0	9689.0	1.0	158	Cloudy	20.6	0.0143	1.51	90.4
14-Feb-07	2.8323	2.8548	1.51	1.51	9713.0	9714.0	1.0	249	Cloudy	21.4	0.0225	1.51	90.4
14-Feb-07	2.8172	2.8407	1.51	1.51	9714.0	9715.0	1.0	260	Cloudy	21.4	0.0235	1.51	90.4
16-Feb-07	2.7851	2.8065	1.53	1.53	9715.0	9716.0	1.0	233	Cloudy	19.3	0.0214	1.53	92.0
21-Feb-07	2.7901	2.8095	1.59	1.59	9740.0	9741.0	1.0	204	Cloudy	19.3	0.0194	1.59	95.3
22-Feb-07	2.8263	2.8414	1.51	1.51	9741.0	9742.0	1.0	167	Rainy	18.0	0.0151	1.51	90.4
23-Feb-07	2.8048	2.8222	1.56	1.56	9766.0	9767.0	1.0	186	Cloudy	19.4	0.0174	1.56	93.7
26-Feb-07	2.8260	2.8390	1.56	1.56	9767.0	9768.0	1.0	139	Cloudy	18.3	0.0130	1.56	93.8
28-Feb-07	2.8860	2.9036	1.53	1.53	9768.0	9769.0	1.0	191	Cloudy	18.9	0.0176	1.53	92.1
								Min	119				
								Max	265				
								Average	194				

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

Date	Weather	King's Park Station				
		Average Air Temperature (°C)	Average Wind Speed (km/h)	Average Relative Humidity (%)	Total Rainfall (mm)	Wind Direction
01-Feb-07	Cloudy	17.2	11.5	33.0	0.0	NE
02-Feb-07	Cloudy	15.8	6.9	39.0	0.0	SE
05-Feb-07	Cloudy	17.7	8.4	69.0	0.0	SE
07-Feb-07	Cloudy	20.8	6.9	67.0	0.0	SE
09-Feb-07	Cloudy	22.0	3.5	80.0	0.0	NW
12-Feb-07	Cloudy	18.8	9.8	79.0	0.0	SE
13-Feb-07	Cloudy	20.6	8.5	89.0	0.0	SE
14-Feb-07	Cloudy	21.4	3.8	85.0	0.0	NW
14-Feb-07	Cloudy	21.4	3.8	85.0	0.0	NW
16-Feb-07	Cloudy	19.3	10.2	93.0	0.0	SE
21-Feb-07	Cloudy	19.3	11.6	87.0	0.0	SE
22-Feb-07	Rainy	18.0	8.7	90.0	5.0	SE
23-Feb-07	Cloudy	19.4	12.0	78.0	0.0	SE
26-Feb-07	Cloudy	18.3	13.9	77.0	0.0	SE
28-Feb-07	Cloudy	18.9	15.1	80.0	0.0	SE

Annex H

# Calibration Certificates of Water Monitoring Equipment



## Internal Calibration Report of Turbidimeter

Equipment Ref. No. : EW/006/001

Manufacturer : HACH

Model No. : HACH 2100P

Serial No. : 040500035856

Date of Calibration : 22/11/06

Calibration Due : 21/12/07

### Data

<u>5.60</u> 0 - 10 NTU Gelex Vial	<u>53.0</u> 10 - 100 NTU Gelex Vial	<u>540</u> 100 - 1000 NTU Gelex Vial
<u>5.62</u>	<u>52.7</u>	<u>538</u>

The equipment complies \* / ~~does not comply~~ \* with the specified requirements and is deemed acceptable \* / ~~unacceptable~~ \* for use.

\* Delete as appropriate

Calibrated by : [Signature]

Approved by : [Signature]



## Internal Calibration Report of Turbidimeter

Equipment Ref. No. : ET/EN/006/001      Manufacturer : HACH  
 Model No. : HACH 2100P      Serial No. : 040500031856  
 Date of Calibration : 21/2/07      Calibration Due : 20/5/07

### Data

5-60	53-0	540
0 - 10 NTU Gelex Vial	10 - 100 NTU Gelex Vial	100 - 1000 NTU Gelex Vial
5.63	53.2	541

The equipment complies \* / ~~does not comply~~ \* with the specified requirements and is deemed acceptable \* / ~~unacceptable~~ \* for use.

\* Delete as appropriate

Calibrated by :       Approved by : 



## Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No. : ET/EN/003/001 Manufacturer : YSI  
Model No. : 95 Serial No. : 97H 04071 AD  
Date of Calibration : 20/11/06 Calibration Due Date : 19/2/07

Ref. No. of Reference Thermometer : ET/2403/01

Ref. No. of Potassium Dichromate : ET/0520/003/02

### Temperature Verification

	Temperature (°C)
Thermometer reading	20.0
Meter reading	20.0

### Linearity Checking

Purging time, min	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.51	7.53	7.52	7.48	7.49	7.49	0.40
5	5.29	5.31	5.30	5.22	5.20	5.21	1.71
10	3.56	3.54	3.55	3.61	3.59	3.60	1.40
Linear regression coefficient				0.9990			

### Zero Point Checking

DO meter reading, mg/L	0.00
------------------------	------

### Salinity Checking

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	6.70	6.72	6.71	6.80	6.82	6.81	1.48
30	6.25	6.23	6.24	6.38	6.36	6.37	2.06

### Acceptance Criteria

- (1) Difference between temperature readings from temperature sensor of DO probe and reference thermometer : <0.5 °C
- (2) Linear regression coefficient : >0.99
- (3) Zero checking: 0.0mg/L
- (4) Difference (%) of DO content from the meter reading and by winkler titration : within ± 5%

The equipment complies \* / ~~does not comply~~ \* with the specified requirements and is deemed acceptable \* / unacceptable \* for use;

\* Delete as appropriate

Calibrated by : PK

Approved by : [Signature]



東亞儀器測試顧問有限公司  
ETS-TESTCONSULT LIMITED

Form E/C/R/12 Issue 6 (1/1) (05/05)

### Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No. : ET/EW/003/001 Manufacturer : YSI  
Model No. : 95 Serial No. : 97H 04 071 AD  
Date of Calibration : 18/2/07 Calibration Due Date : 17/5/07

Ref. No. of Reference Thermometer : ET/2403/01  
Ref. No. of Potassium Dichromate : ET/0520/003/02

#### Temperature Verification

	Temperature (°C)
Thermometer reading	<u>20.0</u>
Meter reading	<u>20.0</u>

#### Linearity Checking

Purging time, min	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	<u>7.57</u>	<u>7.53</u>	<u>7.52</u>	<u>7.48</u>	<u>7.49</u>	<u>7.49</u>	<u>0.27</u>
5	<u>5.29</u>	<u>5.31</u>	<u>5.30</u>	<u>5.22</u>	<u>5.20</u>	<u>5.21</u>	<u>1.71</u>
10	<u>3.56</u>	<u>3.54</u>	<u>3.55</u>	<u>3.61</u>	<u>3.59</u>	<u>3.60</u>	<u>1.40</u>
Linear regression coefficient				<u>0.9990</u>			

#### Zero Point Checking

DO meter reading, mg/L	<u>0.00</u>
------------------------	-------------

#### Salinity Checking

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	<u>6.70</u>	<u>6.72</u>	<u>6.71</u>	<u>6.80</u>	<u>6.82</u>	<u>6.81</u>	<u>1.48</u>
30	<u>6.25</u>	<u>6.23</u>	<u>6.24</u>	<u>6.28</u>	<u>6.36</u>	<u>6.37</u>	<u>2.06</u>

#### Acceptance Criteria

- (1) Difference between temperature readings from temperature sensor of DO probe and reference thermometer :  $< 0.5^{\circ}\text{C}$
- (2) Linear regression coefficient :  $> 0.99$
- (3) Zero checking:  $0.0\text{mg/L}$
- (4) Difference (%) of DO content from the meter reading and by winkler titration : within  $\pm 5\%$

The equipment complies \* / does not comply \* with the specified requirements and is deemed acceptable \* / unacceptable \* for use.

\* Delete as appropriate

Calibrated by : DL

Approved by : [Signature]



東業德勤測試顧問有限公司  
ETS-TESTCONSULT LIMITED

Form E/EN/I /06/Issue 7 (1/1) (05/05)

## LABORATORY SHEET

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

Information provided by client

Client : ERM - Hong Kong Ltd  
Client Ref. No. : E 60195 HK  
Source : HK Convention & Exhibition Centre  
Sample Type : Sea water  
Date Sampled : 28 / 2 / 07  
No. of Sample : 12  
Description :

Laboratory Information

Lab. Ref. No. : W21397 (01-12)  
W. I. No. : EN / 7 / 2 / 123  
Date Received : 28 / 2 / 07  
Date Tested : 1 / 3 / 07  
Test Method : In-house Method TPE/006/W

$$\text{Recovery of Check} = \frac{97}{102.2} \times 100\% = 94.9\%$$

	Ref. No.
Drying oven used	ET / 0502 / 002
TSS standard used	J273

Lab. Ref. No.			W21397 (01)	(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.	B	C	1	D	2	3	4	5	6	7
Mass of Filter	1318.6	1332.0	1324.3	1322.7	1329.0	1323.7	1335.4	1324.2	1308.6	1314.9
+ Foil Bowl (mg) (B)	1318.5	1331.9	1324.1	1322.5	1328.9	1323.6	1335.3	1324.1	1308.4	1314.7
Vol. of Sample (mL)	500	500	200	200	400	400	400	400	400	400
Mass of Filter	1318.4	1380.4	1325.0	1332.3	1330.4	1325.6	1337.3	1325.6	1309.9	1316.3
+ Foil Bowl	1318.3	1380.2	1324.8	1333.2	1330.3	1325.4	1337.1	1325.5	1309.8	1316.1
+ S. S. (mg) (A)										
Total Suspended Solids (mg/L) *	0.4	97	3.5	3.5	3.5	4.5	4.5	3.5	3.5	3.5
Chloride Check (✓)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expanded uncertainty, Uexp										

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

Acceptance criteria : 1. Blank :  $\leq 0.5 \text{ mg/L}$  Yes ☒ No ☐  
 : 2. Difference between duplicates :  $< 10\%$  Yes ☒ No ☐  
 : 3. Recovery of spike sample : 80% to 120% Yes ☐ No ☐  
 : 4. Check Sample : 80(%) - 120(%) Yes ☒ No ☐

PQL : 5.0mg/L (Seawater / Drinking water / Wastewater)

Remark : 5.1 mg Silica Gel H was added to 500ml distilled water as check. ( 102.2 mg/L)

Posted By : *R/L*

Checked By :





東業德勤測試顧問有限公司  
ETS-TESTCONSULT LIMITED

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

Client : ---  
Client Ref. No. : ---  
Source : ---  
Sample Type : ---  
Date Sampled : ---  
No. of Sample : ---  
Description : ---

#### Laboratory Information

Lab. Ref. No. : ---  
W. I. No. : ---  
Date Received : ---  
Date Tested : ---  
Test Method : In-house Method TPE/006/W

$$\text{Recovery of Spike} = \frac{36 - 4.0}{31.5} \times 100\% = 101.6\%$$

	Ref. No.
Drying oven used	ET / 0502 / 002
TSS standard used	J 273

Lab. Ref. No.	W21397 (08)	(09)	(10)	(11)	(12)	(Spike)				
Client sample ID	E3-D	E4	E4-D	E5	E5-D	E5-D				
Foil Bowl No.	8	9	10	11	12	S				
Mass of Filter	1326.9	1301.9	1308.9	1314.7	1328.8	1322.5				
+ Foil Bowl (mg) (B)	1326.8	1301.8	1308.7	1314.6	1328.8	1322.3				
Vol. of Sample (mL)	400	400	400	400	200	200				
Mass of Filter	1328.4	1303.7	1310.6	1316.4	1329.8	1329.7				
+ Foil Bowl	1328.2	1303.6	1310.5	1316.2	1329.6	1329.5				
+ S. S. (mg) (A)										
Total Suspended Solids (mg/L) *	3.5	4.5	4.5	4.0	4.0	36				
Chloride Check (✓)	✓	✓	✓	✓	✓	✓				
Expanded uncertainty, Uexp										

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

Acceptance : 1. Blank : ≤ 0.5mg/L

Yes ☐ No ☐

criteria : 2. Difference between duplicates : < 10%

Yes ☐ No ☐

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

Yes ☒ No ☐

: 4. Check Sample : 80(%) - 120(%)

Yes ☐ No ☐

PQL : 5.0mg/L (Seawater / Drinking water / Wastewater)

Remark : 6.3 mg Silica Gel H was added to 200ml "E5-D" as spike ( 31.5 mg/L)

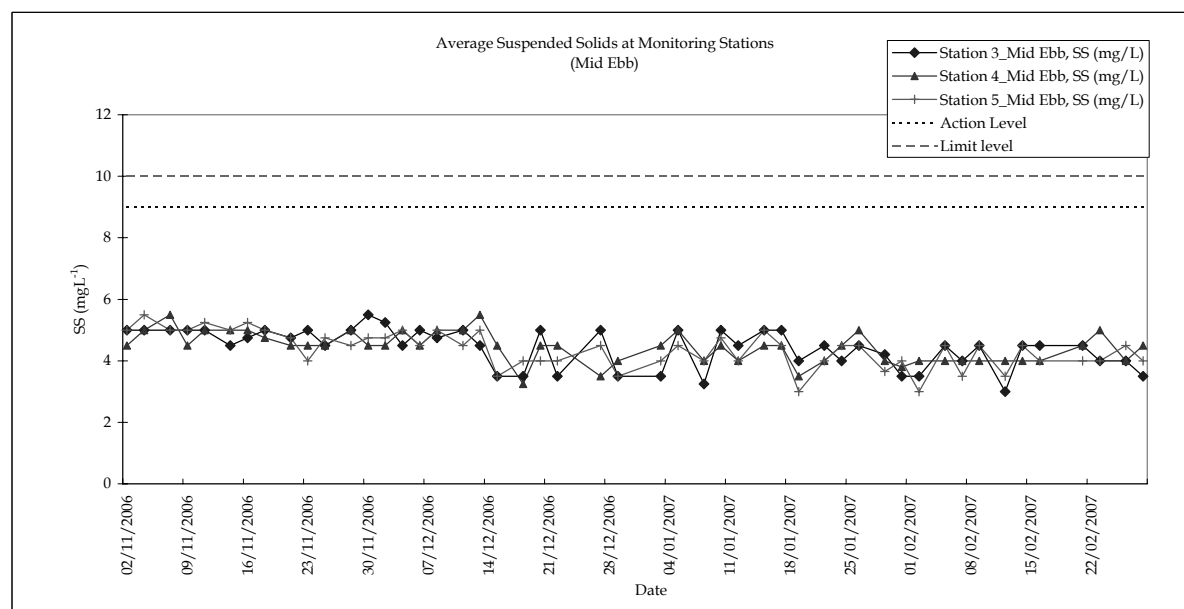
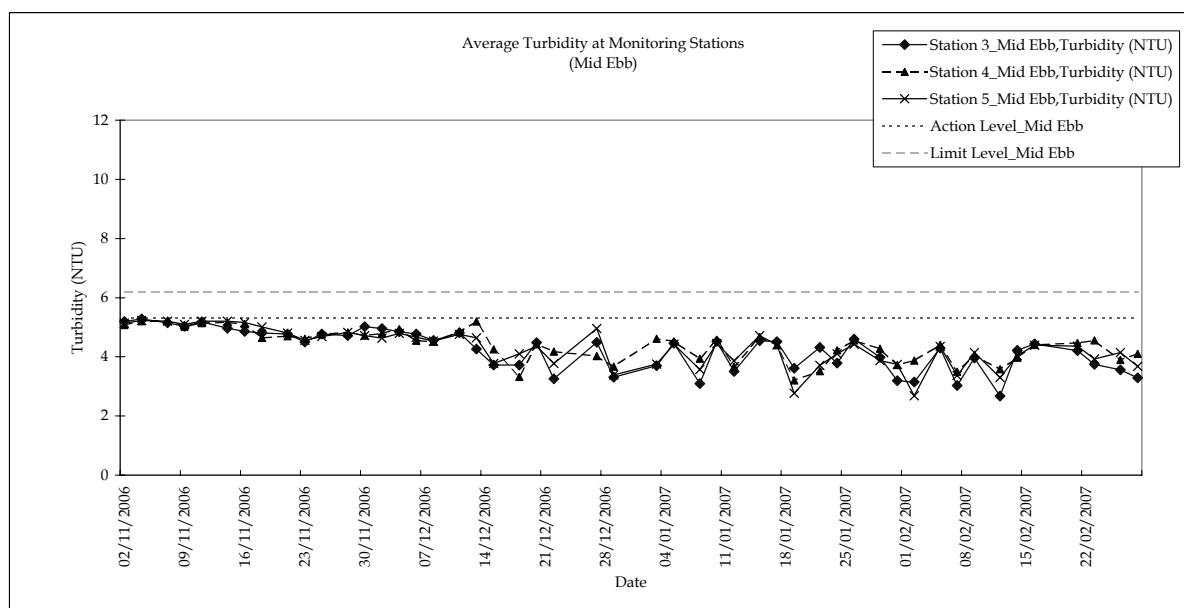
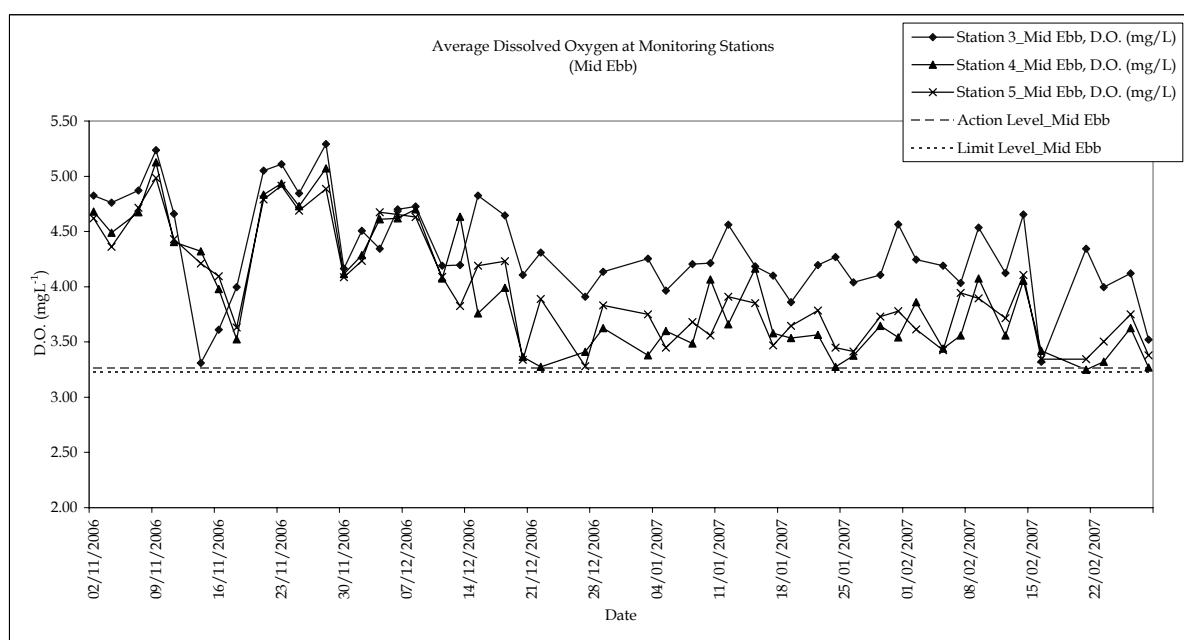
Tested By : P/L

Checked By :

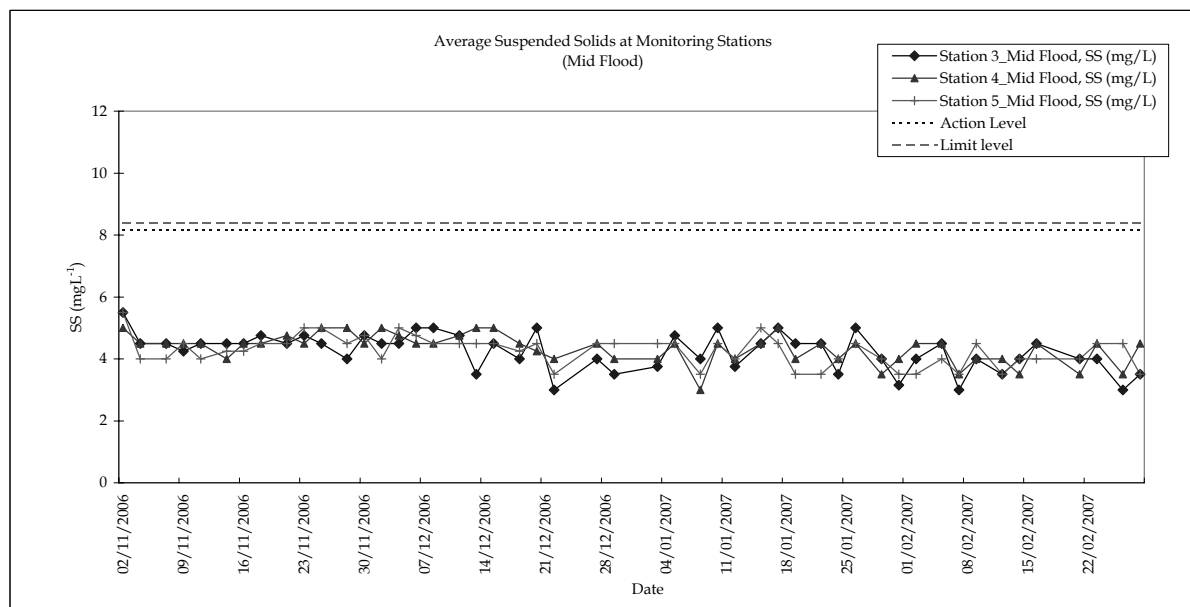
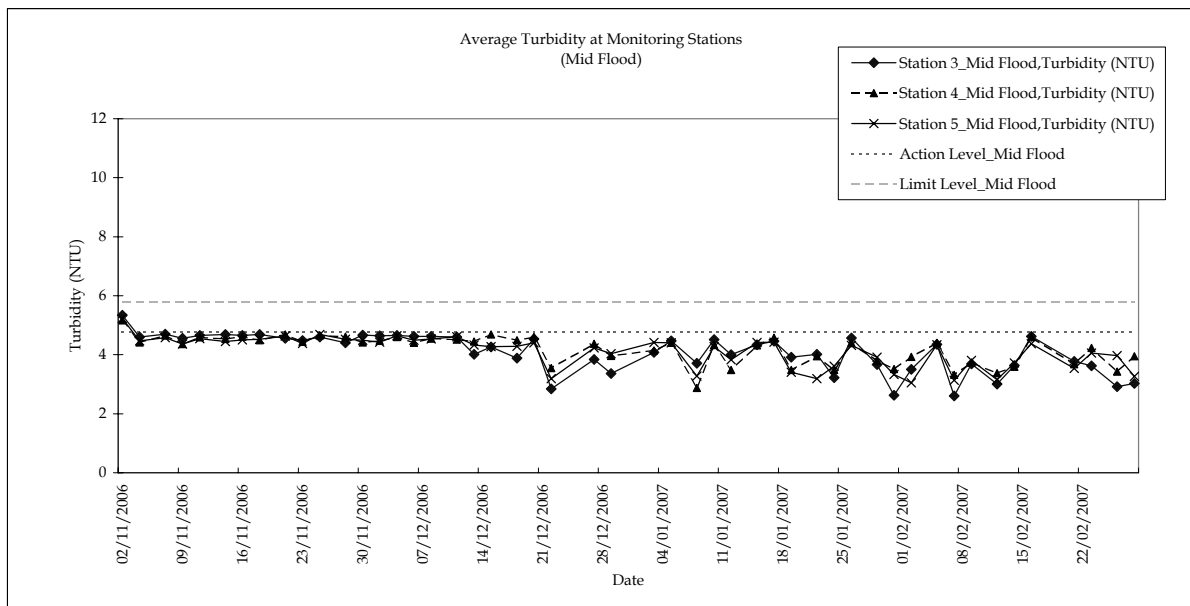
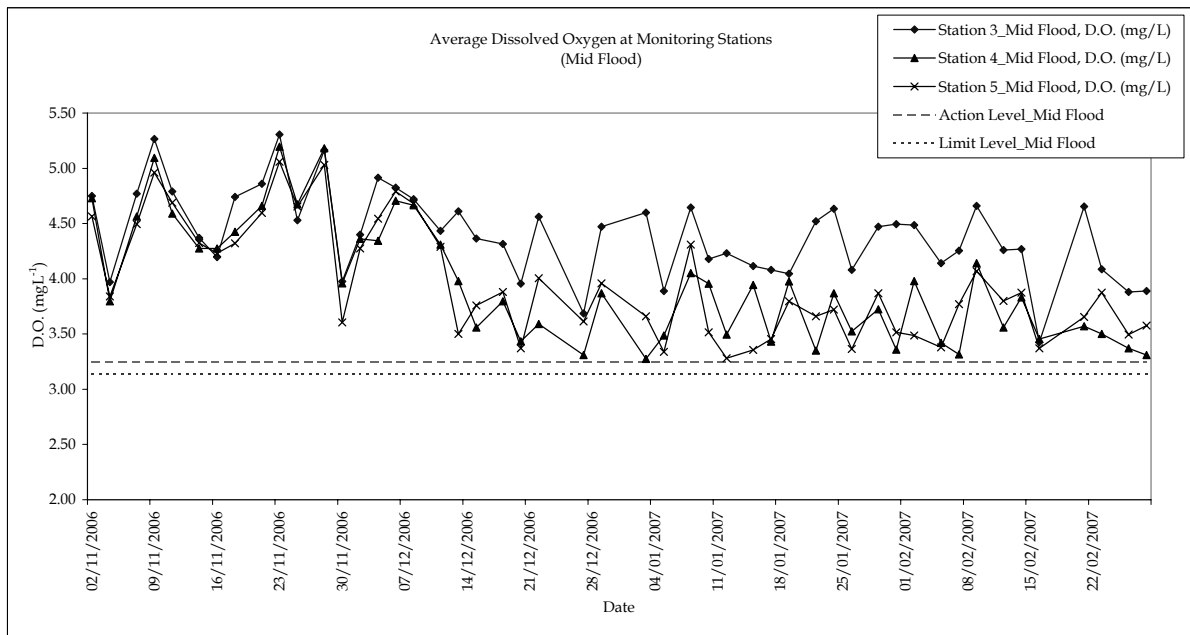
Annex I

## Water Quality Monitoring Results

**Figure 1 - Water Quality Monitoring Results (Mid Ebb)**



**Figure 2 - Water Quality Monitoring Results (Mid Flood)**



### Water Quality Monitoring Results for Station 3

Date	02/02/2007			02/02/2007			05/02/2007			05/02/2007			07/02/2007			07/02/2007			09/02/2007			09/02/2007		
Time (hh:mm)	12:52 - 13:05			18:06 - 18:18			14:58 - 15:13			09:27 - 09:42			15:58 - 16:05			10:22 - 10:32			17:42 - 17:57			11:06 - 11:16		
Ambient Temperature	18			18			18			18			23			23			24			24		
Weather	Sunny			Sunny			Sunny			Sunny			Sunny			Sunny			Cloudy			Cloudy		
Water Depth (m)	7.60			8.50			7.70			7.90			8.20			7.60			8.00			8.60		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	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
Water Temperature (°C)	19.4	19.5	19.5	19.2	19.2	19.2	21.4	21.4	21.4	21.3	21.2	21.3	21.7	21.7	21.7	21.6	21.6	21.6	23.6	23.6	23.6	23.4	23.4	23.4
Salinity (ppt)	32.6	32.6	32.6	32.5	32.4	32.5	32.0	31.9	32.0	32.0	32.2	32.1	32.3	32.3	32.3	32.4	32.5	32.5	32.4	32.4	32.4	32.2	32.2	32.2
D.O. (mg/L)	4.27	4.22	4.2	4.51	4.46	4.5	4.15	4.23	4.2	4.11	4.17	4.1	4.06	4.01	4.0	4.29	4.22	4.3	4.52	4.55	4.5	4.68	4.64	4.7
D.O. Saturation (%)	59.2	58.2	58.7	62.9	62.2	62.6	56.0	57.1	56.6	54.7	55.6	55.2	55.6	54.9	55.3	59.5	58.5	59.0	60.5	60.9	60.7	62.7	62.1	62.4
Turbidity (NTU)	3.12	3.18	3.2	3.53	3.47	3.5	4.28	4.32	4.3	4.33	4.38	4.4	3.06	3.00	3.0	2.57	2.63	2.6	3.97	3.96	4.0	3.69	3.68	3.7
SS* (mg/L)	3.5	3.5	3.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	3.0	3.0	3.0	4.5	4.5	4.5	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

\* 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 ?

Within Action Level :																
Date	02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

#### Within Limit Level ?

Date		02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

### Water Quality Monitoring Results for Station 3

Date	12/02/2007			12/02/2007			14/02/2007			14/02/2007			16/02/2007			16/02/2007			21/02/2007			21/02/2007		
Time (hh:mm)	18:23 - 18:37			09:37 - 09:49			19:05 - 19:15			10:52 - 11:02			12:35 - 12:50			17:26 - 17:41			15:40 - 15:50			09:35 - 09:45		
Ambient Temperature	21			21			24			24			22			22			22			22		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	7.60			8.20			8.40			9.00			7.90			8.00			7.80			8.40		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	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
Water Temperature (°C)	21.7	21.7	21.7	21.9	21.9	21.9	20.8	20.7	20.8	20.9	20.8	20.9	21.3	21.3	21.3	21.5	21.5	21.5	21.9	21.9	21.9	21.6	21.6	21.6
Salinity (ppt)	31.8	31.9	31.9	31.6	31.6	31.6	32.1	32.1	32.1	32.4	32.4	32.4	31.6	31.5	31.6	31.4	31.3	31.4	32.2	32.2	32.2	32.0	32.0	32.0
D.O. (mg/L)	4.15	4.10	4.1	4.28	4.24	4.3	4.68	4.63	4.7	4.29	4.25	4.3	3.28	3.36	3.3	3.38	3.47	3.4	4.32	4.37	4.3	4.67	4.64	4.7
D.O. Saturation (%)	57.6	56.9	57.3	58.6	58.0	58.3	62.7	62.1	62.4	57.4	56.9	57.2	44.0	45.1	44.6	45.4	46.7	46.1	57.8	58.5	58.2	62.5	62.1	62.3
Turbidity (NTU)	2.64	2.71	2.7	2.97	3.04	3.0	4.20	4.23	4.2	3.62	3.64	3.6	4.47	4.40	4.4	4.58	4.66	4.6	4.21	4.20	4.2	3.78	3.77	3.8
SS* (mg/L)	3.0	3.0	3.0	3.5	3.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

#### Within Action Level ?

Date	12/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

12/02/2007	
Y	Y
Y	Y
Y	Y

14/02/2007	
Y	Y
Y	Y
Y	Y

14/02/2007	
Y	Y
Y	Y
Y	Y

16/02/2007	
Y	Y
Y	Y
Y	Y

16/02/2007	
Y	Y
Y	Y
Y	Y

21/02/2007	
Y	Y
Y	Y
Y	Y

21/02/2007	
Y	Y
Y	Y
Y	Y

#### Within Limit Level ?

Date	12/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

12/02/2007	
Y	Y
Y	Y
Y	Y

14/02/2007	
Y	Y
Y	Y
Y	Y

14/02/2007	
Y	Y
Y	Y
Y	Y

16/02/2007	
Y	Y
Y	Y
Y	Y

16/02/2007	
Y	Y
Y	Y
Y	Y

21/02/2007	
Y	Y
Y	Y
Y	Y

21/02/2007	
Y	Y
Y	Y
Y	Y

### Water Quality Monitoring Results for Station 3

Date	23/02/2007			23/02/2007			26/02/2007			26/02/2007			28/02/2007			28/02/2007		
Time (hh:mm)	16:41 - 16:55			10:31 - 10:43			18:16 - 18:30			08:50 - 09:04			19:12 - 19:27			10:50 - 11:03		
Ambient Temperature	21			21			18			18			20			20		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	7.80			8.40			8.20			9.00			7.80			8.60		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50		
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)	19.7	19.6	19.7	19.5	19.5	19.5	17.9	18.0	18.0	18.5	18.4	18.5	20.2	20.2	20.2	19.7	19.8	19.8
Salinity (ppt)	32.5	32.5	32.5	32.6	32.5	32.6	31.6	31.7	31.7	31.7	31.7	31.7	31.4	31.3	31.4	32.0	32.0	32.0
D.O. (mg/L)	4.02	3.97	4.0	4.12	4.05	4.1	4.15	4.09	4.1	3.92	3.84	3.9	3.54	3.50	3.5	3.92	3.86	3.9
D.O. Saturation (%)	55.7	54.9	55.3	57.0	56.1	56.6	57.8	57.0	57.4	54.3	53.2	53.8	49.2	48.6	48.9	54.7	53.8	54.3
Turbidity (NTU)	3.72	3.77	3.7	3.59	3.66	3.6	3.52	3.60	3.6	2.89	2.94	2.9	3.24	3.33	3.3	3.04	3.01	3.0
SS* (mg/L)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

#### Within Action Level ?

Date	23/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

23/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

#### Within Limit Level ?

Date	23/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

23/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

### Water Quality Monitoring Results for Station 4

Date	02/02/2007			02/02/2007			05/02/2007			05/02/2007			07/02/2007			07/02/2007			09/02/2007			09/02/2007		
Time (hh:mm)	12:35 - 12:48			17:50 - 18:02			14:38 - 14:53			09:07 - 09:22			15:39 - 15:51			10:04 - 10:15			17:17 - 17:32			10:41 - 10:56		
Ambient Temperature	18			18			18			18			23			23			24			24		
Weather	Sunny			Sunny			Sunny			Sunny			Sunny			Sunny			Cloudy			Cloudy		
Water Depth (m)	3.00			3.80			4.30			4.60			4.20			3.50			3.80			4.00		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	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
Water Temperature (°C)	19.7	19.7	19.7	19.3	19.3	19.3	21.3	21.4	21.4	21.3	21.3	21.3	22.1	22.2	22.2	21.9	22.0	22.0	23.8	23.8	23.8	23.7	23.7	23.7
Salinity (ppt)	31.9	32.0	32.0	32.2	32.2	32.2	31.9	31.9	31.9	32.1	32.0	32.1	32.1	32.1	32.1	32.0	31.9	32.0	32.8	32.7	32.8	32.3	32.3	32.3
D.O. (mg/L)	3.89	3.83	3.9	4.02	3.94	4.0	3.48	3.40	3.4	3.45	3.39	3.4	3.59	3.53	3.6	3.29	3.34	3.3	4.09	4.06	4.1	4.12	4.16	4.1
D.O. Saturation (%)	53.9	53.1	53.5	56.0	54.9	55.5	46.9	45.9	46.4	46.2	45.4	45.8	49.1	48.3	48.7	45.6	46.3	46.0	54.8	54.4	54.6	55.2	55.7	55.5
Turbidity (NTU)	3.86	3.89	3.9	3.91	3.95	3.9	4.36	4.45	4.4	4.36	4.44	4.4	3.52	3.46	3.5	3.29	3.35	3.3	4.06	4.03	4.0	3.74	3.73	3.7
SS* (mg/L)	4.0	4.0	4.0	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

\* 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 1

Minimum Action Level 1																				
Date	02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007					
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				

#### Within Limit Level 2

Date	02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	



### Water Quality Monitoring Results for Station 4

Date	12/02/2007			12/02/2007			14/02/2007			14/02/2007			16/02/2007			16/02/2007			21/02/2007			21/02/2007		
Time (hh:mm)	18:05 - 18:17			09:18 - 09:31			18:45 - 18:55			10:32 - 10:42			12:15 - 12:30			17:06 - 17:21			15:20 - 15:30			09:15 - 09:25		
Ambient Temperature	21			21			24			24			22			22			22			22		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	3.80			4.20			3.60			4.00			4.40			4.60			3.80			4.00		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	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
Water Temperature (°C)	22.1	22.1	22.1	22.2	22.2	22.2	20.7	20.7	20.7	20.9	20.9	20.9	21.2	21.3	21.3	21.4	21.5	21.5	21.7	21.7	21.7	21.8	21.8	21.8
Salinity (ppt)	31.4	31.4	31.4	31.5	31.5	31.5	32.0	31.9	32.0	32.0	32.0	32.0	31.5	31.6	31.6	31.3	31.3	31.3	32.0	32.1	32.1	32.1	32.1	32.1
D.O. (mg/L)	3.60	3.52	3.6	3.59	3.53	3.6	4.07	4.04	4.1	3.85	3.81	3.8	3.48	3.36	3.4	3.42	3.49	3.5	3.26	3.24	3.3	3.59	3.55	3.6
D.O. Saturation (%)	50.0	48.8	49.4	49.1	48.3	48.7	54.1	53.7	53.9	51.5	51.0	51.3	46.7	45.1	45.9	46.0	46.9	46.5	43.6	43.2	43.4	48.1	47.5	47.8
Turbidity (NTU)	3.55	3.62	3.6	3.24	3.50	3.4	3.98	3.97	4.0	3.59	3.60	3.6	4.33	4.48	4.4	4.58	4.62	4.6	4.47	4.46	4.5	3.67	3.69	3.7
SS* (mg/L)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

#### Within Action Level 1

Date	12/02/2007		12/02/2007		14/02/2007		14/02/2007		16/02/2007		16/02/2007		21/02/2007		21/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

#### Within Limit Level 2

Date	12/02/2007		12/02/2007		14/02/2007		14/02/2007		16/02/2007		16/02/2007		21/02/2007		21/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

### Water Quality Monitoring Results for Station 4

Date	23/02/2007			23/02/2007			26/02/2007			26/02/2007			28/02/2007			28/02/2007		
Time (hh:mm)	16:24 - 16:36			10:10 - 10:22			17:58 - 18:10			08:33 - 08:46			18:53 - 19:05			10:32 - 10:43		
Ambient Temperature	21			21			18			18			20			20		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	3.00			3.80			3.40			4.60			3.40			4.00		
Monitoring Depth	5.00			5.00			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)	19.9	19.9	19.9	19.8	19.7	19.8	17.9	17.9	17.9	18.2	18.2	18.2	20.5	20.4	20.5	20.4	20.4	20.4
Salinity (ppt)	32.2	32.2	32.2	32.3	32.3	32.3	31.9	31.9	31.9	32.0	32.0	32.0	31.1	31.2	31.2	31.6	31.6	31.6
D.O. (mg/L)	3.34	3.30	3.3	3.53	3.47	3.5	3.65	3.60	3.6	3.40	3.34	3.4	3.28	3.26	3.3	3.33	3.29	3.3
D.O. Saturation (%)	46.2	46.0	46.1	48.9	48.0	48.5	50.8	50.1	50.5	47.0	46.2	46.6	45.6	45.3	45.5	46.4	45.9	46.2
Turbidity (NTU)	4.53	4.59	4.6	4.26	4.21	4.2	3.87	3.93	3.9	3.46	3.40	3.4	4.07	4.13	4.1	3.92	3.97	3.9
SS* (mg/L)	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	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

#### Within Action Level 1

Date	23/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

23/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

#### Within Limit Level 2

Date	23/02/2007	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

23/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

26/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

28/02/2007	
Y	Y
Y	Y
Y	Y

### Water Quality Monitoring Results for Station 5

Date	02/02/2007			02/02/2007			05/02/2007			05/02/2007			07/02/2007			07/02/2007			09/02/2007			09/02/2007		
Time (hh:mm)	12:18 - 12:29			17:36 - 17:47			14:18 - 14:33			08:47 - 09:02			15:20 - 15:32			09:45 - 09:56			16:47 - 17:02			10:21 - 10:36		
Ambient Temperature	18			18			18			18			23			23			24			24		
Weather	Sunny			Sunny			Sunny			Sunny			Sunny			Sunny			Cloudy			Cloudy		
Water Depth (m)	3.20			4.00			4.50			4.90			4.40			3.80			3.80			4.00		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	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
Water Temperature (°C)	19.6	19.6	19.6	19.4	19.3	19.4	21.4	21.4	21.4	21.3	21.3	21.3	22.0	22.0	22.0	21.8	21.8	21.8	23.8	23.8	23.8	23.7	23.7	23.7
Salinity (ppt)	32.3	32.3	32.3	32.1	32.1	32.1	32.0	31.9	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.1	32.2	32.2	32.8	32.8	32.8	32.3	32.2	32.3
D.O. (mg/L)	3.64	3.59	3.6	3.52	3.45	3.5	3.39	3.46	3.4	3.30	3.46	3.4	3.98	3.91	3.9	3.80	3.74	3.8	3.92	3.87	3.9	4.09	4.05	4.1
D.O. Saturation (%)	50.5	49.8	50.2	49.0	48.1	48.6	45.8	46.7	46.3	44.3	46.5	45.4	54.5	53.5	54.0	52.7	51.9	52.3	52.5	51.8	52.2	54.3	53.8	54.1
Turbidity (NTU)	2.64	2.72	2.7	3.02	3.07	3.0	4.30	4.40	4.4	4.28	4.39	4.3	3.39	3.33	3.4	3.17	3.10	3.1	4.14	4.15	4.1	3.80	3.82	3.8
SS* (mg/L)	3.0	3.0	3.0	3.5	3.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

\* 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 1

Minimum Action Level 1		02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007	
Date		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
D.O. (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

#### Within Limit Level 2

Date		02/02/2007		02/02/2007		05/02/2007		05/02/2007		07/02/2007		07/02/2007		09/02/2007		09/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

# Water Quality Monitoring Results for Station 5

# Water Quality Monitoring

Date	12/02/2007			12/02/2007			14/02/2007			14/02/2007			16/02/2007			16/02/2007			21/02/2007			21/02/2007			23/02/2007		
Time (hh:mm)	17:45 - 17:58			09:00 - 09:12			18:30 - 18:40			10:17 - 10:27			11:55 - 12:10			16:46 - 17:01			15:06 - 15:16			09:01 - 09:11			16:08 - 16:20		
Ambient Temperature	21			21			24			24			22			22			22			22			21		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Fine			Fine			Cloudy			Cloudy			Cloudy		
Water Depth (m)	4.20			4.50			3.60			4.00			4.60			4.80			3.80			4.00			3.40		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb		
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
Water Temperature (°C)	22.0	22.0	22.0	22.0	22.1	22.1	20.7	20.6	20.7	20.9	20.9	20.9	21.3	21.3	21.3	21.5	21.5	21.5	21.7	21.5	21.6	21.8	21.7	21.8	19.8	19.7	19.8
Salinity (ppt)	31.7	31.7	31.7	31.6	31.5	31.6	32.0	32.0	32.0	32.0	32.1	32.1	31.6	31.6	31.6	31.3	31.3	31.3	32.0	32.0	32.0	32.1	32.1	32.1	32.3	32.3	32.3
D.O. (mg/L)	3.75	3.68	3.7	3.83	3.77	3.8	4.12	4.09	4.1	3.90	3.85	3.9	3.29	3.40	3.3	3.33	3.41	3.4	3.37	3.32	3.3	3.68	3.63	3.7	3.53	3.48	3.5
D.O. Saturation (%)	52.0	51.1	51.6	52.4	51.6	52.0	54.7	54.3	54.5	52.2	51.6	51.9	44.2	45.7	45.0	44.8	45.9	45.4	44.8	44.1	44.5	49.3	48.6	49.0	48.9	48.2	48.6
Turbidity (NTU)	3.28	3.33	3.3	3.14	3.18	3.2	4.02	4.05	4.0	3.71	3.74	3.7	4.36	4.43	4.4	4.40	4.34	4.4	4.38	4.35	4.4	3.52	3.55	3.5	3.89	3.96	3.9
SS* (mg/L)	3.5	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

## Within Action Level 1

Date	12/02/2007		12/02/2007		14/02/2007		14/02/2007		16/02/2007		16/02/2007		21/02/2007		21/02/2007		23/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

## Within Limit Level 2

Date	12/02/2007		12/02/2007		14/02/2007		14/02/2007		16/02/2007		16/02/2007		21/02/2007		21/02/2007		23/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

g Results for Station 5

Date	23/02/2007			26/02/2007			26/02/2007			28/02/2007			28/02/2007		
Time (hh:mm)	09:50 - 10:03			17:40 - 17:53			08:15 - 08:27			18:36 - 18:49			10:12 - 10:26		
Ambient Temperature	21			18			18			20			20		
Weather	Cloudy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	4.00			3.60			4.80			3.60			4.20		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00		
Tide	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
Water Temperature (°C)	19.6	19.6	19.6	18.2	18.2	18.2	18.1	18.1	18.1	20.3	20.3	20.3	20.1	20.2	20.2
Salinity (ppt)	32.4	32.4	32.4	31.7	31.8	31.8	31.9	31.9	31.9	31.4	31.3	31.4	31.6	31.6	31.6
D.O. (mg/L)	3.89	3.86	3.9	3.78	3.72	3.8	3.52	3.47	3.5	3.40	3.36	3.4	3.54	3.61	3.6
D.O. Saturation (%)	53.9	53.4	53.7	52.6	51.8	52.2	48.7	48.0	48.4	47.2	46.7	47.0	49.4	50.3	49.9
Turbidity (NTU)	4.02	4.10	4.1	4.17	4.12	4.1	3.96	3.99	4.0	3.71	3.64	3.7	3.24	3.29	3.3
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level 1

Date	23/02/2007		26/02/2007		26/02/2007		28/02/2007		28/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level 2

Date	23/02/2007		26/02/2007		26/02/2007		28/02/2007		28/02/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Annex J

## Event Action Plans for Air and Water Quality Monitoring

**Table J1 Event Action Plans for Air Quality**

Event Action Level	Action			
	ET	Contractor	ER	IEC
Exceedance for one sample	<ol style="list-style-type: none"> <li>1. Identify source</li> <li>2. Notify IEC, ER and Contractor within 1 working day after receiving the laboratory results.</li> <li>3. Conduct additional monitoring to investigate the causes.</li> <li>4. Report the investigation results and if exceedance is due to contractor's construction works to the IEC, ER and Contractor.</li> <li>5. 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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance and rectify any unacceptable practice.</li> <li>2. 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</li> <li>3. Implement agreed proposal within a time scale agreed with ER and IEC.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify Contractor.</li> <li>3. Require Contractor to submit air mitigation proposal.</li> <li>4. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review monitoring data and investigation report submitted by ET.</li> <li>2. Review Contractor's air mitigation proposal and advise the ER accordingly.</li> <li>3. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.</li> </ol>
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>1. Identify source</li> <li>2. Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results</li> <li>3. Conduct additional monitoring to investigate the causes.</li> <li>4. 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.</li> <li>5. 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.</li> <li>6. If exceedances continue after 1-week monitoring events, request ER to arrange meeting with ER, IEC and contractor to discuss remedial actions.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance and rectify any unacceptable practice</li> <li>2. 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</li> <li>3. Implement agreed proposal within a time scale agreed with ER and IEC.</li> <li>4. Amend working methods if appropriate.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify Contractor.</li> <li>3. Require Contractor to submit air mitigation proposal.</li> <li>4. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review monitoring data and investigation report submitted by ET.</li> <li>2. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal.</li> <li>3. Review Contractor's air mitigation proposal and advise the ER accordingly.</li> <li>4. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.</li> </ol>

Event Limit Level	Action			
	ET	Contractor	ER	IEC
Exceedance for one sample	<ol style="list-style-type: none"> <li>1. Identify source</li> <li>2. Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results</li> <li>3. Conduct additional monitoring to investigate the causes.</li> <li>4. 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.</li> <li>5. 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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance and rectify any unacceptable practice</li> <li>2. 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</li> <li>3. Implement agreed proposal within a time scale agreed with ER and IEC.</li> <li>4. Amend working methods if appropriate.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify Contractor.</li> <li>3. Require Contractor to submit air mitigation proposal.</li> <li>4. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review monitoring data and investigation report submitted by ET.</li> <li>2. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal.</li> <li>3. Review Contractor's air mitigation proposal and advise the ER accordingly.</li> <li>4. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.</li> </ol>
Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>1. Identify source</li> <li>2. Notify EPD, IEC, ER and Contractor within 1 working day after receiving the laboratory results</li> <li>3. Conduct additional monitoring to investigate the causes.</li> <li>4. 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.</li> <li>5. 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.</li> <li>6. If exceedances continue after 2 consecutive monitoring events, request ER to arrange meeting with IEC and contractor to discuss remedial actions.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance and rectify any unacceptable practice</li> <li>2. 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</li> <li>3. Implement agreed proposal within a time scale agreed with ER and IEC.</li> <li>4. Amend working methods and proposal if appropriate.</li> <li>5. Stop relevant portion(s) of works as required by ER, ET and IEC</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify Contractor.</li> <li>3. Require Contractor to submit air mitigation proposal.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. 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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review monitoring data and investigation report submitted by ET.</li> <li>2. Discuss amongst ER, ET and Contractor in order to formulate air mitigation proposal.</li> <li>3. Review Contractor's air mitigation proposal and advise the ER accordingly.</li> <li>4. Supervise and confirm in writing the implementation of remedial measures within 2 working days after receipt of the mitigation proposal.</li> </ol>



**Table J2 Event Action Plans for Water Quality**

Event	Action			
	ET	IC(E)	ER	Contractor
Action level being exceeded by one sampling day	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Inform IC(E) and Contractor;</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Discuss mitigation measures with IC(E) and Contractor;</li> <li>6. (The above actions should be taken within 1 working day after the exceedance is identified)</li> <li>7. Repeat measurement on next day of exceedance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with ET and Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> <li>4. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with IC(E) on the proposed mitigation measures;</li> <li>2. Make agreement on the mitigation measures to be implemented.</li> <li>3. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with ET and IC(E) and propose mitigation measures to IC(E) and ER;</li> <li>6. Implement the agreed mitigation measures.</li> <li>7. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>
Action level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> <li>1. Identify source(s) of impact;</li> <li>2. Inform IC(E) and Contractor;</li> <li>3. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>4. Discuss mitigation measures with IC(E) and Contractor;</li> <li>5. Ensure mitigation measures are implemented;</li> <li>6. Prepare to increase the monitoring frequency to daily;</li> <li>7. (The above actions should be taken within 1 working day after the exceedance is identified)</li> <li>8. Repeat measurement on next working day of exceedance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with ET and Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> <li>4. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with IC(E) on the proposed mitigation measures;</li> <li>2. Make agreement on the mitigation measures to be implemented;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> <li>4. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the Engineer and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with ET and IC(E) and propose mitigation measures to IC(E) and ER within 3 working days;</li> <li>6. Implement the agreed mitigation measures.</li> <li>7. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>

Event	Action			
	ET	IC(E)	ER	Contractor
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Inform IC(E), contractor and EPD;</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Discuss mitigation measures with IC(E), ER and Contractor;</li> <li>6. Ensure mitigation measures are implemented;</li> <li>7. Increase the monitoring frequency to daily until no exceedance of Limit level.</li> <li>8. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with ET and Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> <li>4. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with IC(E), ET and Contractor on the proposed mitigation measures;</li> <li>2. Request Contractor to critically review the working methods;</li> <li>3. Make agreement on the mitigation measures to be implemented;</li> <li>4. Assess the effectiveness of the implemented mitigation measures.</li> <li>5. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the Engineer and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with ET , IC(E) and ER and propose mitigation measures to IC(E) and ER within 3 working days;</li> <li>6. Implement the agreed mitigation measures.</li> <li>7. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>
Limit level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> <li>1. Identify source(s) of impact;</li> <li>2. Inform IC(E), contractor and EPD;</li> <li>3. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>4. Discuss mitigation measures with IC(E), ER and Contractor;</li> <li>5. Ensure mitigation measures are implemented;</li> <li>6. Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days.</li> <li>7. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with ET and Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> <li>4. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with IC(E), ET and Contractor on the proposed mitigation measures;</li> <li>2. Request Contractor to critically review the working methods;</li> <li>3. Make agreement on the mitigation measures to be implemented;</li> <li>4. Assess the effectiveness of the implemented mitigation measures;</li> <li>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level.</li> <li>6. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with ET , IC(E) and ER and propose mitigation measures to IC(E) and ER within 3working days;</li> <li>6. Implement the agreed mitigation measures;</li> <li>7. As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities.</li> <li>8. (The above actions should be taken within 1 working day after the exceedance is identified)</li> </ol>

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
<b>Measures for Mitigating Water Quality Impact</b>			
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.
<b>Measures for Mitigating Air Quality Impact</b>			
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	---
<b>Measures for Mitigating Landscape and Visual Impact</b>			
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.
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.

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Construction Phase</i>			
Air Quality	<p>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:</p> <ul style="list-style-type: none"> <li>• skip hoist for material transport should be totally enclosed by impervious sheeting;</li> <li>• every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site;</li> <li>• 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;</li> <li>• 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;</li> <li>• 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;</li> <li>• all dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet;</li> <li>• the height from which excavated materials dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading;</li> <li>• 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</li> <li>• 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.</li> </ul>	Work site / during construction	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Operational Phase</i>			
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 <sub>2</sub> 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
<i>Construction Phase</i>			
Noise	<p>Good Site Practice:</p> <ul style="list-style-type: none"> <li>only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program;</li> <li>silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program;</li> <li>mobile plant, if any, should be sited as far from NSRs as possible;</li> <li>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;</li> <li>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</li> <li>material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities;</li> </ul> <p>Environmental audit shall be carried out to ensure that appropriate noise control measures would be properly implemented.</p>	Construction work areas / Construction period	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Operational Phase</i>			
Noise	<p>The following noise reduction measures should be considered as far as practicable during detailed design:</p> <ul style="list-style-type: none"> <li>• choose quieter plant such as those which have been effectively silenced;</li> <li>• include noise levels specification when ordering new plant;</li> <li>• locate fixed plant away from any NSRs as far as practicable;</li> <li>• locate fixed plant in plant rooms with thick walls or specially designed enclosure;</li> <li>• locate noisy machines in basement or a completely separate building; and</li> <li>• develop and implement a regularly scheduled plant maintenance programme in order to maintain controlled level of noise.</li> </ul>	Plant Room / Design and Operation Stage	Relevant design and plant procurement procedures to commence at a later stage
<i>Construction Phase</i>			
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

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	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



## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
Water Quality	<p>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.</p>	Works areas / construction period	√
Water Quality	<p>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.</p> <p>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</p>	Works areas / construction period	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>should be discharged into storm drains via silt removal facilities.</p> <p>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.</p> <p>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.</p>		
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	Δ
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	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an on-line standby pump of adequate capacity and with automatic alternating devices.</p> <p>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.</p>		
Water Quality	<p>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.</p> <p>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.</p>	Works areas / construction period	√
Water Quality	<p>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.</p> <p>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.</p>	Works areas / construction period	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>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.</p> <p>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.</p> <p>Discharge of sterilization effluent should be properly pre-treated for compliance with TM/WPCO requirements, such as but not limited to total residual chlorine.</p>	Works areas / construction period	
Water Quality	<p>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.</p> <p>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.</p>	Works areas / construction period	Δ
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	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>sewer via grease traps capable of providing at least 20 minutes retention during peak flow.</p> <p>Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptors with peak storm bypass.</p> <p>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.</p>		
Water Quality	<p>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.</p> <p>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.</p>	Works areas / construction period	√
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	√
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	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.</p> <p>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:</p> <ul style="list-style-type: none"> <li>• suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport;</li> <li>• chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and</li> <li>• storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.</li> </ul>		
Water Quality	<p>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:</p> <ul style="list-style-type: none"> <li>• the use of less or smaller construction plants may be specified to reduce the disturbance to the seabed;</li> <li>• temporary sewerage system should be designed to prevent wastewater from entering the storm system and sea;</li> <li>• 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;</li> <li>• stockpiling of construction materials and dusty materials should be covered and located away from any water courses;</li> <li>• 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;</li> <li>• construction activities, which generate large amount of</li> </ul>	Works areas / construction period	Δ

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>wastewater, should be carried out in a distance away from the waterfront, where practicable;</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• construction effluent, site run-off and sewage should be properly collected and/or treated;</li> <li>• proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/sea; and</li> <li>• supervisory staff should be assigned to station on site to closely supervise and monitor the works.</li> </ul>		
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.

## Summary of Mitigation Measures Implementation Schedule

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
<i>Construction Phase</i>			
Waste	<p>Recommendations for good site practices during the construction activities include:</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• training of site personnel in proper waste management and chemical handling procedures;</li> <li>• provision of sufficient waste disposal points and regular collection of waste;</li> <li>• appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and</li> <li>• regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.</li> </ul>	Work site / during the construction period	Δ
Waste	<p>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:</p> <ul style="list-style-type: none"> <li>• sorting of demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (ie soil, broken concrete, metal, etc);</li> <li>• segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or</li> </ul>	Work site / during the construction period	√



## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>recycling of materials and their proper disposal;</p> <ul style="list-style-type: none"> <li>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;</li> <li>proper storage and site practices to minimize the potential for damage to contamination of construction materials; and</li> <li>plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.</li> </ul>		
Waste	<p><u>General Refuse</u></p> <p>General refuse should be stored in enclosed bins or compaction units separate from C&amp;D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&amp;D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</p>	Work site / during the construction period	Δ
Waste	<p><u>Construction and Demolition Material</u></p> <ul style="list-style-type: none"> <li>In order to minimize the impact resulting from collection and transportation of C&amp;D material for off-site disposal, the C&amp;D material from the following construction activities should be reused and recycled as far as possible to reduce the net amount of C&amp;D material generated from the Project;</li> <li>a Waste Management Plan should be prepared in accordance with ETWB TCW No. 19/2005;</li> <li>a recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed;</li> <li>in order to monitor the disposal of C&amp;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</li> </ul>	Work site / during the construction period	√

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>reference to ETWB TCW No.31/2004 for details;</p> <ul style="list-style-type: none"> <li>the large amount of C&amp;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.</li> </ul>		
Waste	<p><u>Chemical Wastes</u></p> <p>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 <i>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</i>. 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.</p>	Work site / during the construction period	√
<i>Operational Phase</i>			
Waste	<p><u>General Refuse</u></p> <p>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</p>	Work site / during the construction period	Measures not required until commencement of operational phase

## Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	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.		
<i>Construction Phase</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	√
<i>Operational Phase</i>			
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

## Summary of Mitigation Measures Implementation Schedule

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:

- √ 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 <sup>3</sup> Kg) <sup>(1)</sup>					Actual Quantities of C&D Wastes (in 10 <sup>3</sup> Kg) <sup>(4)</sup>									
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Steel Materials				Paper/cardboard packaging		General refuse	Other waste	Chemical Waste	
						Demolition of existing Atrium Link		Demolition of existing working platform							
						(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	264	0	1	0	263	0	0	0	0	0	1	50	81	0	0
September	1509 <sup>(2)</sup>	0	2	0	1507	0	0	0	0	0	1	60	215	0	0
October	1380	0	2 <sup>(3)</sup>	0	1378	30 <sup>(5)</sup>	0	0	0	0	1	55	532 <sup>(6)</sup>	0	0
November	2091	0	1 <sup>(3)</sup>	0	2090	100 <sup>(5)</sup>	0	0	0	0	1.5	50	115 <sup>(6)</sup>	0	0
December	1717	0	1 <sup>(3)</sup>	0	1716	80 <sup>(5)</sup>	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: <sup>(1)</sup> Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.

<sup>(2)</sup> Inert C&D material mainly generated from construction of foundation.

<sup>(3)</sup> Reused for building bunds and making sand bags.

<sup>(4)</sup> 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 Tsung Kwan O Area 137 temporary construction waste sorting facility.

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

<sup>(6)</sup> 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	Actual Quantities of inert C&D Materials (in 10 <sup>3</sup> Kg) <sup>(1)</sup>					Actual Quantities of C&D Wastes (in 10 <sup>3</sup> Kg) <sup>(4)</sup>								Actual Quantities of C&D Wastes (in Litre)	
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Steel Materials				Paper/cardboard packaging		General refuse	Other waste	Chemical Waste <sup>(7)</sup>	
						Demolition of existing Atrium Link		Demolition of existing working platform							
	(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Disposal	Disposal	Recycle	Disposal
January	924	462	0.5	0	462	90	0	0	0	0.2	0.05	60	80	0	0
February	814	110	0.5	0	704	5	0	0	0	0.2	0.07	66	55	0	288
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	1738	572	0.5	0	1166	95	0	0	0	0.4	0.012	125	135	0	288

Note: <sup>(1)</sup> Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.

<sup>(2)</sup> Inert C&D material mainly generated from construction of foundation.

<sup>(3)</sup> Reused for building bunds and making sand bags.

<sup>(4)</sup> 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.

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

<sup>(6)</sup> 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.

<sup>(7)</sup> Disposal of chemical waste is handled by Dunwell Ind (Holding) Ltd which has waste disposal facilities licensed by EPD.

Annex M

## Construction Programme for Next Three Months



Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 09Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1	PROJECT WIDE	23%	26/5/2006	NA	26/5/2006	11/3/2009								
2	Critical Dates	23%	26/5/2006	NA	26/5/2006	11/3/2009								
3	Project Milestones	0%	26/5/2006	NA	26/5/2006	11/3/2009								
4	Commencement of Design Works	100%	26/5/2006	26/5/2006	26/5/2006	26/5/2006								
5	Award of Contract	100%	26/5/2006	26/5/2006	26/5/2006	26/5/2006								
6	Date for Commencement of Construction	100%	26/5/2006	26/5/2006	26/5/2006	26/5/2006								
7	RIP & DDR for Foundation Design	100%	26/5/2006	26/5/2006	26/5/2006	26/5/2006								
8	Commencement of Pre-Bored Pile Works	100%	11/8/2006	11/8/2006	11/8/2006	11/8/2006								
9	Commencement of Bored Pile Works	100%	11/8/2006	11/8/2006	11/8/2006	11/8/2006								
10	RIP for GBP With Fine Engineering Approval	0%	NA	NA	15/11/2006	15/11/2006								
11	Assembly of Steel Panel Truss A1	0%	NA	NA	23/12/2006	23/12/2006								
12	Provisional Rafting Over to New Access	0%	NA	NA	26/5/2007	26/5/2007								
13	Handover the Work Area A1, E2 & D1	0%	NA	NA	1/9/2007	1/9/2007								
14	First Roof Truss Lift to Final Position (Truss A & B)	0%	NA	NA	22/9/2007	22/9/2007								
15	Lifting of Roof Truss C to Permanent Level	0%	NA	NA	22/10/2007	22/10/2007								
16	Lifting of Roof Truss D to Permanent Level	0%	NA	NA	25/10/2007	25/10/2007								
17	Weatherlight for West Face Area	0%	NA	NA	15/7/2008	15/7/2008								
18	Last Panel Truss Lift-Up (Truss E)	0%	NA	NA	21/12/2007	21/12/2007								
19	Completion of Demolition Works	0%	NA	NA	23/12/2008	23/12/2008								
20	Completion of Structure Work	0%	NA	NA	5/5/2008	5/5/2008								
21	Handover of Transformer Room to HKE	0%	NA	NA	21/5/2008	21/5/2008								
22	Provisional Re-Diversion to New Structure	0%	NA	NA	25/6/2008	25/6/2008								
23	Weatherlight for East Face Area	0%	NA	NA	15/7/2008	15/7/2008								
24	Obtain Form 6 for Fireman's Lift	0%	NA	NA	9/9/2008	9/9/2008								
25	Power On	0%	NA	NA	15/9/2008	15/9/2008								
26	Submit Form VWO46 Part IV for FS	0%	NA	NA	16/9/2008	16/9/2008								
27	Submit Form VWO46 Part IV for Plumbing	0%	NA	NA	27/10/2008	27/10/2008								
28	Submit Form 501 (FS & Ventilation)	0%	NA	NA	15/10/2008	15/10/2008								
29	FS Water Certificate Obtained	0%	NA	NA	15/10/2008	15/10/2008								
30	Portable Water Certificate Obtained	0%	NA	NA	25/11/2008	25/11/2008								
31	Handover the Work Area E, E1, E3, E4 & F	0%	NA	NA	1/10/2008	1/10/2008								
32	Fire Certificate Obtained (ALL)	0%	NA	NA	29/11/2008	29/11/2008								
33	KD1 - Completion of the ALE Structure	0%	NA	NA	30/11/2008	30/11/2008								
34	KD2 - Clearance of Marine Area	0%	NA	NA	11/3/2009	11/3/2009								
35	KD3 - Completion of the Remainder of the Works	0%	NA	NA	11/3/2009	11/3/2009								
36	Durations	23%	26/5/2006	NA	26/5/2006	11/3/2009								
37	Contract Duration to Meet KD 1	25%	26/5/2006	NA	26/5/2006	30/11/2008								
38	Contract Duration to Meet KD 2	22%	26/5/2006	NA	26/5/2006	11/3/2009								
39	Contract Duration to Meet KD 3	22%	26/5/2006	NA	26/5/2006	11/3/2009								
40	DETAIL DESIGN	75%	26/5/2006	NA	26/5/2006	11/3/2009								
41	Design Submission & Approval (Temporary Works)	89%	26/5/2006	NA	26/5/2006	30/4/2007								
42	Hoarding Design	93%	26/5/2006	NA	26/5/2006	30/4/2007								
43	Temporary Hoarding (Internal Area)	91%	26/5/2006	NA	26/5/2006	9/2/2007								
44	For Phase 2 Area in Grid 16/B-D	100%	26/5/2006	26/7/2006	26/5/2006	26/7/2006								
45	WP Hoarding Design Preparation & Submission	100%	26/5/2006	10/7/2006	26/5/2006	10/7/2006								
46	Design Check by Independent Checking Engineer	100%	11/7/2006	11/7/2006	11/7/2006	11/7/2006								
47	DDR for Hoarding Plan for PM	100%	18/7/2006	25/7/2006	18/7/2006	25/7/2006								
48	For Demolition of Existing West Facade (Stage 1)	100%	12/7/2006	11/9/2006	12/7/2006	11/9/2006								
49	WP Hoarding Design Preparation & Submission	100%	12/7/2006	31/7/2006	12/7/2006	31/7/2006								
50	Design Check by Independent Checking Engineer	100%	1/8/2006	1/8/2006	1/8/2006	1/8/2006								
51	DDR for Hoarding Plan for PM	100%	2/9/2006	11/9/2006	2/9/2006	11/9/2006								
52	For GL 17/AMB Columns Construction and level 10.4 west portion	100%	15/9/2006	24/11/2006	15/9/2006	4/11/2006								
53	WP Hoarding Design Preparation & Submission	100%	15/9/2006	28/9/2006	15/9/2006	28/9/2006								
54	Design Check by Independent Checking Engineer	100%	29/9/2006	24/11/2006	29/9/2006	20/10/2006								
55	DDR for Hoarding Plan for PM	100%	25/10/2006	8/11/2006	25/10/2006	4/11/2006								
56	For New Pedestrian Diversions Access (Beside A1 Truss)	100%	20/9/2006	4/12/2007	20/9/2006	23/11/2006								
57	WP Hoarding Design Preparation & Submission	100%	20/9/2006	3/11/2006	20/9/2006	2/11/2006								
58	Design Check by Independent Checking Engineer	100%	3/11/2006	2/12/2007	3/11/2006	15/11/2006								
59	DDR for Hoarding Plan for PM	100%	4/12/2007	4/12/2007	16/11/2006	26/11/2006								
60	For Phase 1 A&A Works	21%	3/12/2007	NA	3/12/2007	9/2/2007								
61	WP Hoarding Design Preparation & Submission	64%	3/12/2007	NA	3/12/2007	15/12/2007								
62	Design Check by Independent Checking Engineer	0%	NA	NA	16/12/2007	27/12/2007								
63	DDR for Hoarding Plan for PM	0%	NA	NA	29/12/2007	9/2/2007								
64	Temporary Hoarding (External Area)	97%	26/5/2006	NA	26/5/2006	15/12/2007								
65	For Stage 1 (at level 1)	100%	26/5/2006	11/7/2006	26/5/2006	11/7/2006								
66	Hoarding Design Preparation & Submission	100%	26/5/2006	27/8/2006	26/5/2006	27/8/2006								
67	RIP/DDR by Independent Checking Engineer	100%	26/5/2006	3/7/2006	26/5/2006	3/7/2006								
68	Hoarding Plan to TD, HYO and RMO	100%	6/6/2006	10/7/2006	6/6/2006	10/7/2006								
69	RIP/DDR for Hoarding Plan by PM	100%	4/7/2006	11/7/2006	4/7/2006	11/7/2006								
70	For Stage 1A (at level 1)	100%	24/7/2006	8/9/2006	24/7/2006	8/9/2006								
71	Hoarding Design Preparation & Submission	100%	24/7/2006	8/8/2006	24/7/2006	8/8/2006								

Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 08/02/2007

Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 06Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3 Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
72	RIP/DDR by Independent Checking Engineer	100%	5/8/2006	4/9/2006	9/8/2006	4/9/2006								
73	RIP/DDR for Hoarding Plan by PM	100%	5/9/2006	8/9/2006	5/9/2006	8/9/2006								
74	For Stage 2 to 3 (at level 1)	52%	1/12/2006	NA	1/12/2006	15/12/2007								
75	Hoarding Design Preparation & Submission	100%	1/12/2006	20/12/2006	1/12/2006	14/12/2006								
76	RIP/DDR by Independent Checking Engineer	100%	22/12/2006	27/12/2007	15/12/2006	30/12/2006								
77	RIP/DDR for Hoarding Plan by PM	61%	29/12/2007	NA	2/1/2007	15/1/2007								
78	Temporary Working Platform over water channel (including foundation)	99%	15/8/2006	NA	15/8/2006	21/10/2006								
79	Temp. Platform Design Preparation & Submission	100%	15/8/2006	7/9/2006	15/8/2006	7/9/2006								
80	Design Check by Independent Checking Engineer	100%	8/9/2006	6/10/2006	8/9/2006	6/10/2006								
81	DDR by PM	99%	12/10/2006	NA	8/10/2006	21/10/2006								
82	DDR for Temporary Working Platform	0%	NA	NA	21/10/2006	21/10/2006								
83	Foundation design for Temporary Pedestrian Access Platform in Phase 2	100%	25/8/2006	26/10/2006	25/8/2006	2/11/2006								
84	Preparation & Submission	100%	25/8/2006	16/9/2006	25/8/2006	16/9/2006								
85	Design Check by Design Checker	100%	18/9/2006	8/10/2006	18/9/2006	8/10/2006								
86	DDR for Submission by PM	100%	6/10/2006	20/10/2006	9/10/2006	2/11/2006								
87	Fire Engineering Report B (Staircase)	100%	3/7/2006	26/8/2006	3/7/2006	21/8/2006								
88	Preparation of Fire Engineering Report B	100%	3/7/2006	26/8/2006	3/7/2006	21/8/2006								
89	Submission of FER to Design Checker	100%	26/8/2006	26/8/2006	26/8/2006	26/8/2006								
90	Submission to PM	100%	28/8/2006	28/8/2006	28/8/2006	21/9/2006								
91	Approval from PM	100%	29/8/2006	29/8/2006	21/9/2006	21/9/2006								
92	Demolition Plan	80%	26/5/2006	NA	26/5/2006	30/4/2007								
93	Demolition of Existing Phase II Projection (GL16)	100%	26/5/2006	1/8/2006	26/5/2006	1/8/2006								
94	BS Diversion Plan	100%	26/5/2006	13/7/2006	26/5/2006	13/7/2006								
95	Design BS Diversion Preparation & Submission	100%	26/5/2006	26/8/2006	26/5/2006	26/8/2006								
96	Design Check by Design Checker	100%	26/6/2006	4/7/2006	26/6/2006	4/7/2006								
97	RIP / DDR by PM and HKCEC	100%	5/7/2006	13/7/2006	5/7/2006	13/7/2006								
98	RIP / DDR for Diversion Plan	100%	13/7/2006	13/7/2006	13/7/2006	13/7/2006								
99	Demolition Plan	100%	26/5/2006	1/8/2006	26/5/2006	1/8/2006								
100	Detailed Design Preparation	100%	26/6/2006	13/8/2006	26/6/2006	13/8/2006								
101	Design Check by Design Checker	100%	14/8/2006	14/8/2006	14/8/2006	14/8/2006								
102	RIP / DDR for Submission by PM	100%	15/8/2006	1/9/2006	15/8/2006	1/9/2006								
103	RIP / DDR for Demolition Plan	100%	1/9/2006	1/9/2006	1/9/2006	1/9/2006								
104	Demolition of Existing West Glass Wall at Atrium Link	100%	12/7/2006	26/9/2006	12/7/2006	26/9/2006								
105	BS Diversion Plan	100%	12/7/2006	11/9/2006	12/7/2006	11/9/2006								
106	Design BS Diversion Preparation & Submission	100%	12/7/2006	25/7/2006	12/7/2006	25/7/2006								
107	Design Check by Design Checker	100%	26/7/2006	25/8/2006	26/7/2006	25/8/2006								
108	RIP / DDR by PM and HKCEC	100%	26/8/2006	11/9/2006	26/8/2006	11/9/2006								
109	RIP / DDR for Diversion Plan	100%	11/9/2006	11/9/2006	11/9/2006	11/9/2006								
110	Demolition Plan	100%	17/7/2006	26/8/2006	17/7/2006	26/8/2006								
111	Demolition Plan Preparation & Submission	100%	17/7/2006	7/8/2006	17/7/2006	7/8/2006								
112	Design Check by Design Checker	100%	8/8/2006	12/8/2006	8/8/2006	12/8/2006								
113	RIP / DDR for Submission by PM	100%	13/8/2006	26/9/2006	13/8/2006	26/9/2006								
114	RIP / DDR for Demolition Plan	100%	26/9/2006	26/9/2006	26/9/2006	26/9/2006								
115	Demolition of Existing Atrium Link	91%	5/10/2006	NA	5/10/2006	2/2/2007								
116	BS Diversion Plan	100%	6/10/2006	9/1/2007	6/10/2006	19/12/2006								
117	Design BS Diversion Preparation & Submission	100%	6/10/2006	25/11/2006	6/10/2006	31/10/2006								
118	Design Check by Design Checker	100%	27/11/2006	16/12/2006	27/11/2006	27/11/2006								
119	RIP / DDR by PM and HKCEC	100%	16/12/2006	9/1/2007	16/12/2006	19/12/2006								
120	RIP / DDR for Diversion Plan	100%	9/1/2007	9/1/2007	19/12/2006	19/12/2006								
121	Demolition Plan	85%	5/10/2006	NA	5/10/2006	2/2/2007								
122	Demolition Plan Preparation & Submission	100%	5/10/2006	20/1/2007	5/10/2006	15/12/2006								
123	Design Check by Design Checker	80%	20/1/2007	NA	15/12/2006	17/1/2007								
124	RIP / DDR for Submission by PM	0%	NA	NA	15/12/2007	2/2/2007								
125	RIP / DDR for Demolition Plan	0%	NA	NA	2/2/2007	2/2/2007								
126	Heavy Lifting / Sliding System for Steel Roof Trusses	51%	1/12/2006	NA	23/10/2006	30/4/2007								
127	Design Preparation & Submission	65%	1/12/2006	NA	23/10/2006	14/12/2006								
128	Capital Outline & Columns Stability	70%	11/12/2007	NA	15/12/2006	29/12/2006								
129	Capital Connection	20%	5/2/2007	NA	23/12/2006	1/1/2007								
130	Design Check by Design Checker	0%	NA	NA	11/1/2007	11/1/2007								
131	Detailed Design Preparation	0%	NA	NA	12/1/2007	5/4/2007								
132	Design Check by Designer for Permanent & Existing Structures	0%	NA	NA	6/4/2007	13/4/2007								
133	Design Check by IDC	0%	NA	NA	14/4/2007	3/4/2007								
134	Pontoon for Construction Works	53%	1/11/2006	NA	1/11/2006	12/12/2006								
135	Pontoons Design Preparation & Submission	99%	1/11/2006	NA	1/11/2006	14/11/2006								
136	Design Check by Independent Checking Engineer	0%	NA	NA	15/11/2006	26/11/2006								
137	DDR for pontoons by PM	0%	NA	NA	26/11/2006	12/12/2006								
138	Tree Transplant	100%	21/7/2006	6/12/2006	21/7/2006	26/10/2006								
139	Tree Transplant Proposal Submission to Town Planning Board	100%	21/7/2006	21/7/2006	21/7/2006	21/7/2006								
140	Approval from Planning / LandsD	100%	21/7/2006	6/12/2006	21/7/2006	26/10/2006								
141	Design Submission & Approval (Permanent Works)	72%	25/9/2006	NA	25/9/2006	14/4/2007								
142	Fire Engineering Report A	88%	8/7/2006	NA	8/7/2006	15/11/2006								

Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 08/02/2007

Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: Split: Project Summary: Baseline 1:

Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
143	Preparation of GBP and Fire Engineering Report A	100%	8/7/2006	29/8/2006	8/7/2006	29/8/2006	1							
144	Submission of GBP with FER to PM	100%	29/8/2006	29/8/2006	29/8/2006	29/8/2006	1							
145	1st FSC Meeting	100%	13/9/2006	13/9/2006	13/9/2006	13/9/2006	1							
146	Issue of Comments from FSC	100%	14/9/2006	4/10/2006	14/9/2006	4/10/2006	1							
147	Preparation and Resubmission to FSC	100%	14/9/2006	11/10/2006	14/9/2006	11/10/2006	1							
148	2nd FSC Meeting	100%	15/11/2006	15/11/2006	15/11/2006	15/11/2006	1							
149	Approval from FSC	0%	NA	NA	21/11/2006	19/11/2006	1							
150	General Building Plan	99%	14/6/2006	NA	14/6/2006	15/11/2006	1							
151	GBP Preparation & Submission	100%	14/6/2006	10/7/2006	14/6/2006	10/7/2006	1							
152	1st Design Check by Design Checker	100%	11/7/2006	14/8/2006	11/7/2006	14/8/2006	1							
153	GBP (Amendment) Preparation & Submission	100%	15/8/2006	6/9/2006	15/8/2006	6/9/2006	1							
154	2nd Design Check by Design Checker	100%	9/9/2006	6/10/2006	9/9/2006	6/10/2006	1							
155	RIP/DDR by PM	99%	15/8/2006	NA	15/8/2006	15/11/2006	1							
156	Review of Modification Application by ASD	100%	3/10/2006	27/11/2006	3/10/2006	15/11/2006	1							
157	RIP/DDR Approval for GBP & Amendment	0%	NA	NA	15/11/2006	15/11/2006	1							
158	OTTV Calculations	76%	12/10/2006	NA	12/10/2006	6/12/2007	1							
159	Preparation & Submission	100%	12/10/2006	1/12/2007	12/10/2006	4/12/2006	1							
160	Design Check by Design Checker	50%	2/12/2007	NA	5/12/2006	18/12/2006	1							
161	RIP/DDR by PM	0%	NA	NA	19/12/2006	6/1/2007	1							
162	RIP/DDR for OTTV	0%	NA	NA	6/1/2007	6/1/2007	1							
163	A&A Works for HKCEC Phase 1	87%	22/8/2006	NA	22/8/2006	30/12/2006	1							
164	A&A Works Design Preparation	100%	22/8/2006	26/9/2006	22/8/2006	29/9/2006	1							
165	Submission to DD	100%	11/9/2006	29/11/2006	27/9/2006	1/11/2006	1							
166	Design Check by Design Checker	99%	29/11/2006	NA	27/9/2006	1/11/2006	1							
167	RIP for PM	0%	NA	NA	20/11/2006	16/11/2006	1							
168	RIP for A&A Plan	0%	NA	NA	16/11/2006	16/11/2006	1							
169	Structural Detailed Design Preparation	100%	27/9/2006	7/11/2006	27/9/2006	20/10/2006	1							
170	Submission to DD	100%	6/11/2006	4/12/2007	21/10/2006	23/11/2006	1							
171	Design Check by Design Checker	100%	14/11/2006	24/12/2007	21/10/2006	23/11/2006	1							
172	Consent Application	80%	25/11/2007	NA	24/11/2006	30/12/2006	1							
173	DDR for Submission by PM	0%	NA	NA	27/11/2006	30/12/2006	1							
174	DDR for A&A Plan of HKCEC Phase 1	0%	NA	NA	30/12/2006	30/12/2006	1							
175	A&A Works for HKCEC Phase 2	99%	8/9/2006	NA	8/9/2006	3/12/2007	1							
176	A&A Works Design Preparation & Submission	100%	8/9/2006	20/10/2006	8/9/2006	26/10/2006	1							
177	Design Check by Design Checker	100%	20/10/2006	15/12/2006	27/10/2006	7/11/2006	1							
178	RIP for PM	99%	16/12/2006	NA	8/11/2006	22/11/2006	1							
179	RIP for A&A Plan	0%	NA	NA	22/11/2006	22/11/2006	1							
180	Detailed Design Preparation (superseded by GBP Amendment Plan)	100%	17/10/2006	19/10/2006	24/10/2006	28/11/2006	1							
181	Design Check by Design Checker	100%	20/10/2006	16/12/2006	20/10/2006	6/12/2006	1							
182	DDR for Submission by PM	100%	16/12/2006	8/1/2007	7/12/2006	3/1/2007	1							
183	DDR for A&A Plan of HKCEC Phase 2	100%	8/1/2007	8/1/2007	3/1/2007	3/1/2007	1							
184	Pre-drilling Plan	100%	25/9/2006	21/6/2006	22/9/2006	21/6/2006	1							
185	Pre-drilling Plan Submission	100%	25/9/2006	6/6/2006	25/9/2006	6/6/2006	1							
186	Design Check by Design Checker	100%	7/6/2006	10/6/2006	7/6/2006	10/6/2006	1							
187	Approval by PM	100%	12/6/2006	21/6/2006	12/6/2006	21/6/2006	1							
188	Foundation	96%	26/9/2006	NA	26/9/2006	12/9/2006	1							
189	Foundation / ELS Design (A1/24, BP2 and BP3)	100%	26/9/2006	29/9/2006	26/9/2006	29/9/2006	1							
190	Foundation / ELS Design Preparation & Submission	100%	26/9/2006	24/7/2006	26/9/2006	24/7/2006	1							
191	Design Check by Design Checker	100%	25/7/2006	10/8/2006	25/7/2006	12/8/2006	1							
192	RIP & DDR for Foundation / ELS Design by PM	100%	14/8/2006	28/8/2006	14/8/2006	29/8/2006	1							
193	RIP & DDR for Foundation / ELS Plan	100%	29/8/2006	29/8/2006	29/8/2006	29/8/2006	1							
194	Foundation / ELS Design (Prepared H at North)	100%	26/9/2006	20/10/2006	26/9/2006	17/8/2006	1							
195	1st Submission	100%	26/9/2006	19/7/2006	26/9/2006	19/7/2006	1							
196	Foundation / ELS Design Preparation & Submission	100%	28/9/2006	12/6/2006	26/9/2006	12/6/2006	1							
197	Design Check by Design Checker	100%	13/6/2006	6/7/2006	13/6/2006	6/7/2006	1							
198	RIP & DDR for Foundation / ELS Design by PM	100%	7/7/2006	19/7/2006	7/7/2006	19/7/2006	1							
199	RIP & DDR for Foundation / ELS Plan	100%	19/7/2006	10/7/2006	19/7/2006	19/7/2006	1							
200	2nd Submission (Amendment)	100%	20/7/2006	20/10/2006	20/7/2006	17/8/2006	1							
201	Foundation / ELS Design Preparation & Submission	100%	20/7/2006	3/10/2006	20/7/2006	27/7/2006	1							
202	Design Check by Design Checker	100%	4/10/2006	9/10/2006	28/7/2006	10/8/2006	1							
203	RIP & DDR for Foundation / ELS Design by PM	100%	9/10/2006	20/10/2006	11/8/2006	17/8/2006	1							
204	RIP & DDR for Foundation / ELS Plan	100%	20/10/2006	20/10/2006	17/8/2006	17/8/2006	1							
205	Foundation / ELS Design (BP4 and BP5)	91%	26/9/2006	NA	26/9/2006	12/9/2006	1							
206	Foundation / ELS Design Preparation & Submission	100%	26/9/2006	12/6/2006	26/9/2006	15/8/2006	1							
207	Submit to MTRC for Endorsement/Comments	100%	26/9/2006	15/8/2006	26/9/2006	15/8/2006	1							
208	Design Check by Design Checker	100%	15/6/2006	26/7/2006	15/6/2006	26/7/2006	1							
209	Submission to MTRC for Endorsement/Comments	100%	26/7/2006	10/8/2006	26/7/2006	10/8/2006	1							
210	Further Design Check by Design Checker	100%	8/9/2006	20/8/2006	8/9/2006	20/8/2006	1							
211	RIP & DDR for Foundation / ELS Design by PM	100%	21/10/2006	20/10/2006	21/10/2006	20/10/2006	1							
212	RIP & DDR for Foundation / ELS Plan	100%	26/10/2006	26/10/2006	26/10/2006	26/10/2006	1							
213	2nd Submission to MTRC for Endorsement/Comments	0%	NA	NA	NA	NA	1							

Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 06/02/2007

Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

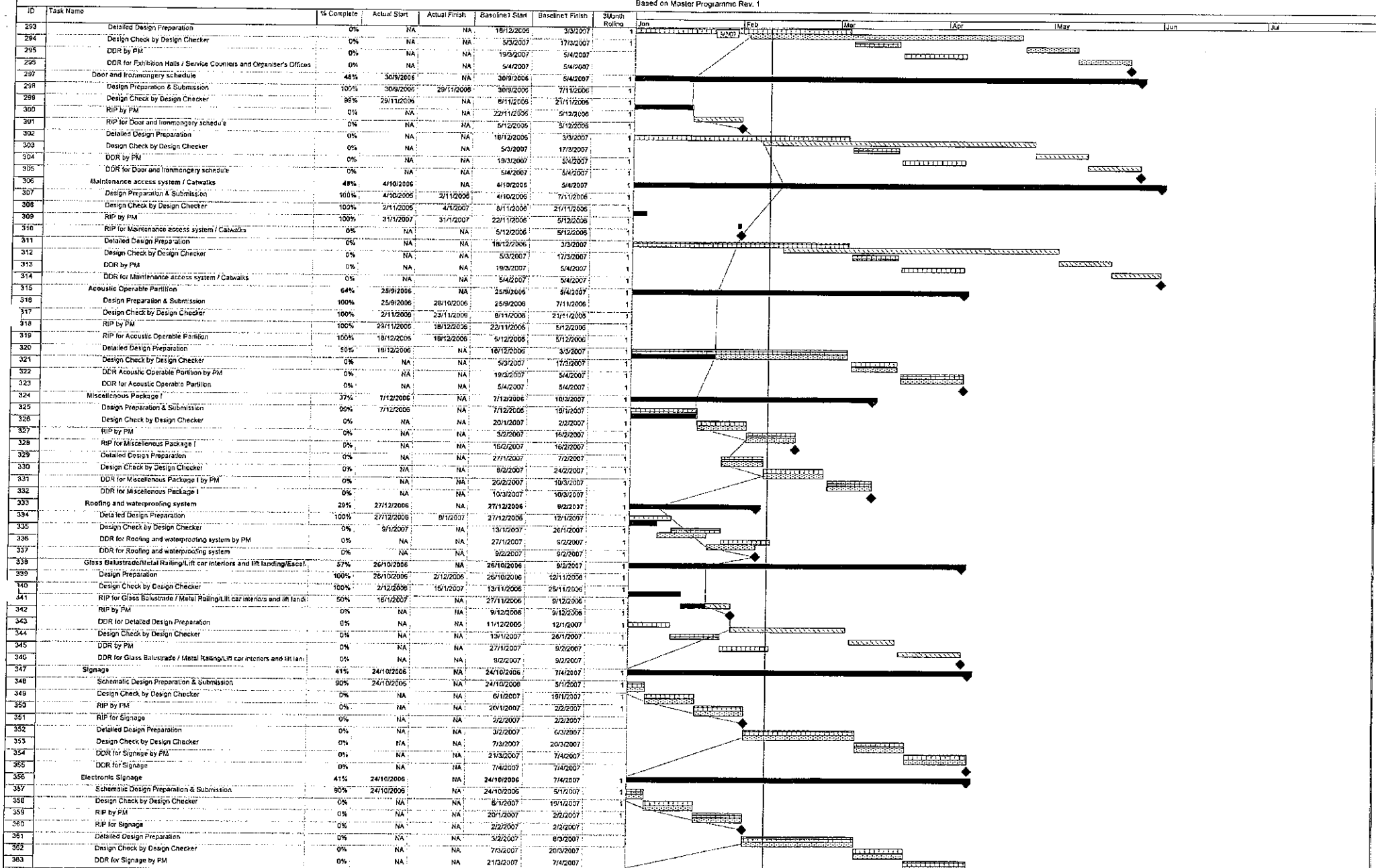
Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
214	Approval From MTRC	0%	NA	NA	NA	NA								
215	Architectural Design	47%	28/8/2006	NA	26/8/2006	14/4/2007	1							
216	Internal Finishes schedule	61%	26/8/2006	NA	26/8/2006	22/2/2007	1							
217	Design Preparation & Submission	100%	26/8/2006	6/10/2006	26/8/2006	6/10/2006	1							
218	Design Check by Design Checker	100%	6/10/2006	6/10/2006	6/10/2006	26/10/2006	1							
219	RIP by PM	100%	20/11/2006	6/12/2006	31/10/2006	23/11/2006	1							
220	RIP for Internal Finishes schedule	100%	6/12/2006	6/12/2006	23/11/2006	23/11/2006	1							
221	Detailed Design Preparation	88%	6/12/2006	NA	6/12/2006	14/12/2006	1							
222	Design Check by Design Checker	0%	NA	NA	15/12/2006	2/1/2007	1							
223	DDR by PM	0%	NA	NA	3/1/2007	23/2/2007	1							
224	DDR for Internal Finishes schedule	0%	NA	NA	22/2/2007	22/2/2007	1							
225	Fire curtain / Shutter and Smoke curtain schedule	63%	28/8/2006	NA	28/8/2006	27/1/2007	1							
226	Design Preparation & Submission	100%	28/8/2006	14/10/2006	28/8/2006	14/10/2006	1							
227	Design Check by Design Checker	100%	14/10/2006	5/12/2006	16/10/2006	28/10/2006	1							
228	RIP by PM	100%	6/12/2006	28/12/2006	31/10/2006	13/11/2006	1							
229	RIP for Fire curtain / Shutter and Smoke curtain schedule	100%	28/12/2006	28/12/2006	13/11/2006	13/11/2006	1							
230	Detailed Design Preparation	90%	13/12/2006	NA	28/11/2006	28/12/2006	1							
231	Design Check by Design Checker	0%	NA	NA	30/12/2006	13/1/2007	1							
232	DDR by PM	0%	NA	NA	15/1/2007	27/1/2007	1							
233	DDR for Fire curtain / Shutter and Smoke curtain schedule	0%	NA	NA	27/1/2007	27/1/2007	1							
234	Staircase (AST-3 & 4)	59%	26/8/2006	NA	26/8/2006	5/1/2007	1							
235	Design Preparation & Submission	100%	26/8/2006	21/10/2006	26/8/2006	20/10/2006	1							
236	Design Check by Design Checker	100%	23/10/2006	21/11/2006	20/10/2006	4/11/2006	1							
237	RIP by PM	100%	28/11/2006	7/12/2006	4/11/2006	18/11/2006	1							
238	RIP for Staircase	100%	7/12/2006	7/12/2006	18/11/2006	18/11/2006	1							
239	Detailed Design Preparation	100%	6/12/2006	25/12/2006	18/11/2006	6/12/2006	1							
240	Design Check by Design Checker	99%	27/12/2006	NA	5/1/2007	15/1/2007	1							
241	DDR by PM	0%	NA	NA	18/12/2006	5/1/2007	1							
242	DDR for Staircase	0%	NA	NA	5/1/2007	5/1/2007	1							
243	Staircase	71%	21/10/2006	NA	26/8/2006	12/2/2007	1							
244	Design Preparation & Submission	100%	21/10/2006	24/11/2006	26/8/2006	7/12/2006	1							
245	Design Check by Design Checker	100%	8/12/2006	20/1/2007	6/12/2006	21/12/2006	1							
246	RIP by PM	100%	5/1/2007	5/1/2007	22/12/2006	4/1/2007	1							
247	RIP for Staircase	100%	5/1/2007	5/1/2007	4/1/2007	4/1/2007	1							
248	Detailed Design Preparation	50%	6/1/2007	NA	21/12/2006	4/1/2007	1							
249	Design Check by Design Checker	0%	NA	NA	3/1/2007	15/1/2007	1							
250	DDR by PM	0%	NA	NA	18/1/2007	12/2/2007	1							
251	DDR for Staircase	0%	NA	NA	12/2/2007	12/2/2007	1							
252	External Finishes schedule	42%	4/9/2006	NA	4/9/2006	8/3/2007	1							
253	External facade and Gondola Design	68%	15/9/2006	NA	15/9/2006	30/12/2006	1							
254	Design Preparation & Submission	100%	15/9/2006	9/11/2006	15/9/2006	31/10/2006	1							
255	Design Check by Design Checker	100%	10/11/2006	28/12/2006	1/11/2006	14/11/2006	1							
256	RIP by PM	100%	28/12/2006	17/1/2007	15/11/2006	26/11/2006	1							
257	RIP for External facade and Gondola Design	100%	17/1/2007	17/1/2007	28/11/2006	28/11/2006	1							
258	Detailed Design Preparation	0%	NA	NA	7/11/2006	30/11/2006	1							
259	Design Check by Design Checker	0%	NA	NA	1/12/2006	14/12/2006	1							
260	DDR by PM	0%	NA	NA	15/12/2006	30/12/2006	1							
261	DDR for External facade and Gondola Design	0%	NA	NA	30/12/2006	30/12/2006	1							
270	Foyer and Lift Lobbies	32%	11/9/2006	NA	11/9/2006	3/4/2007	1							
271	Design Preparation & Submission	98%	11/9/2006	NA	11/9/2006	6/11/2006	1							
272	Design Check by Design Checker	0%	NA	NA	7/11/2006	20/11/2006	1							
273	RIP by PM	0%	NA	NA	21/11/2006	4/12/2006	1							
274	RIP for Foyer and Lift Lobbies Design	0%	NA	NA	4/12/2006	4/12/2006	1							
275	Detailed Design Preparation	0%	NA	NA	16/12/2006	2/3/2007	1							
276	Design Check by Design Checker	0%	NA	NA	8/3/2007	16/3/2007	1							
277	DDR by PM	0%	NA	NA	17/3/2007	3/4/2007	1							
278	DDR for Foyer and Lift Lobbies	0%	NA	NA	3/4/2007	3/4/2007	1							
279	Toilet and Sanitary Fitments	55%	25/9/2006	NA	25/9/2006	7/4/2007	1							
280	Design Preparation & Submission	100%	25/9/2006	28/12/2006	25/9/2006	7/12/2006	1							
281	Design Check by Design Checker	99%	27/12/2006	NA	8/1/2007	21/1/2007	1							
282	RIP by PM	0%	NA	NA	22/12/2006	8/1/2007	1							
283	RIP for Toilet and Sanitary Fitments	0%	NA	NA	8/1/2007	8/1/2007	1							
284	Detailed Design Preparation	0%	NA	NA	20/1/2007	6/3/2007	1							
285	Design Check by Design Checker	0%	NA	NA	7/3/2007	20/3/2007	1							
286	DDR by PM	0%	NA	NA	21/3/2007	7/4/2007	1							
287	DDR for Toilet and Sanitary Fitments	0%	NA	NA	7/4/2007	7/4/2007	1							
288	Exhibition Halls / Service Counters and Organiser's Offices	52%	23/9/2006	NA	23/9/2006	5/4/2007	1							
289	Design Preparation & Submission	100%	29/9/2006	14/11/2006	29/9/2006	7/11/2006	1							
290	Design Check by Design Checker	100%	15/11/2006	12/1/2007	8/11/2006	21/11/2006	1							
291	RIP by PM	99%	13/1/2007	NA	22/11/2006	5/12/2006	1							
292	RIP for Exhibition Halls / Service Counters and Organiser's Offices	0%	NA	NA	5/12/2006	5/12/2006	1							

Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 08/02/2007

Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

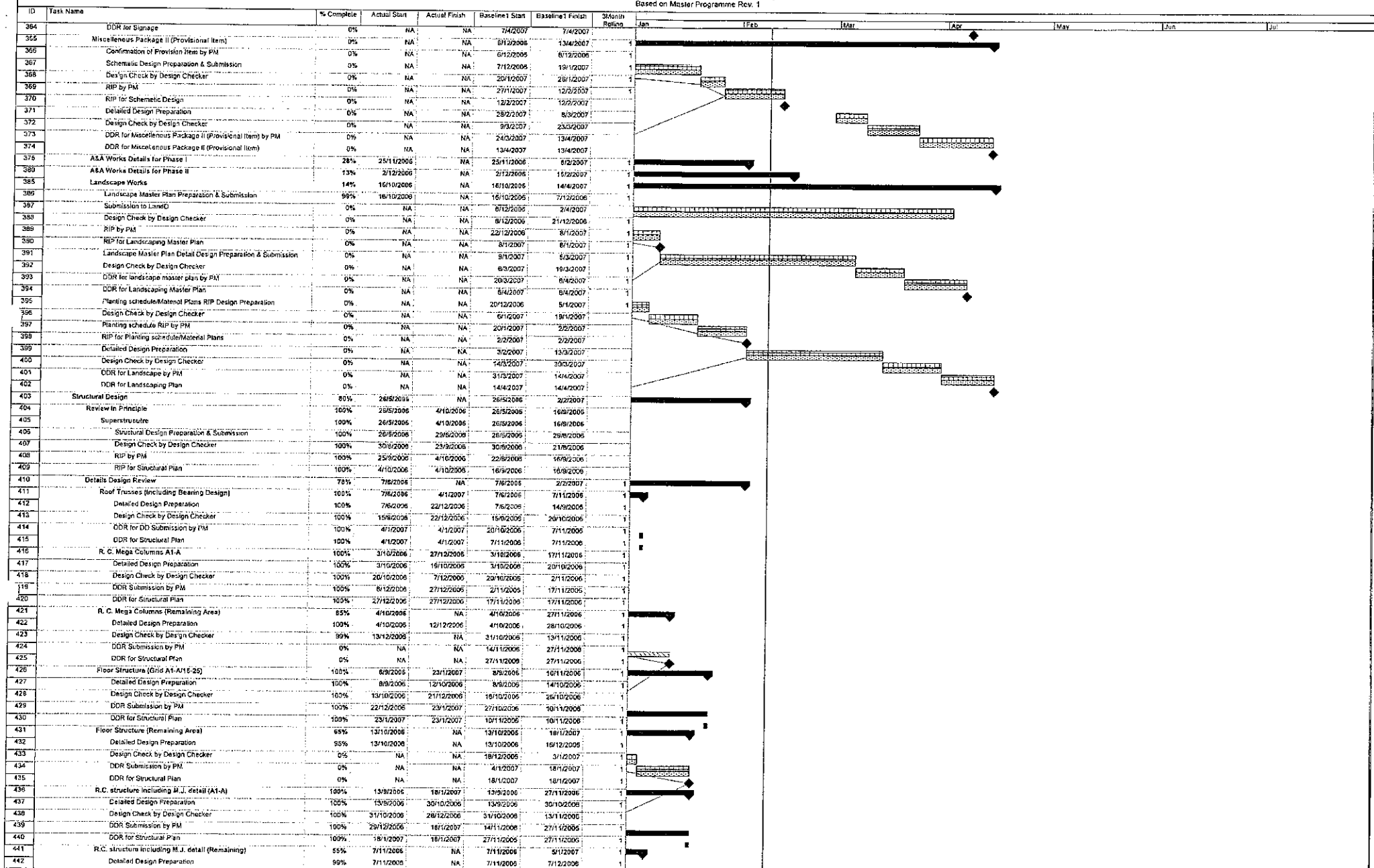
Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1



Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 03/02/2007

Task: Progress (hatched bar), Summary (solid bar), External Tasks (dashed bar), Group By Summary (dotted bar)  
Critical Task: Milestone (diamond), Split (vertical line), Project Summary (thick bar), Baseline 1 (thin bar)

Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1




Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 09/02/2007

Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: Split: Project Summary: Baseline 1:

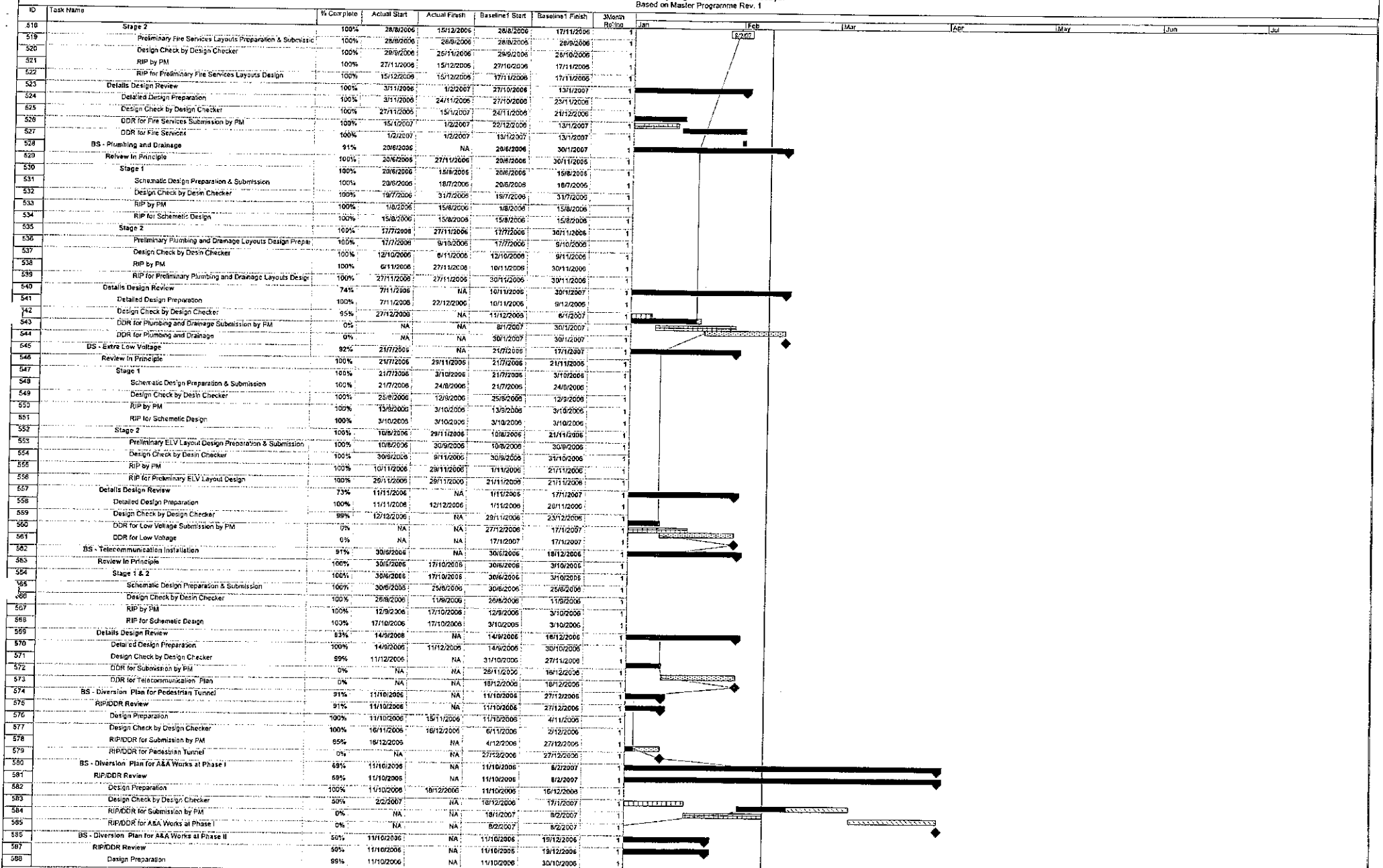
Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
443	Design Check by Design Checker	0%	NA	NA	8/12/2006	21/12/2006	1							
444	DDR Submission by PM	0%	NA	NA	22/12/2006	5/1/2007	1							
445	DDR for Structural Plan	0%	NA	NA	5/1/2007	5/1/2007	1							
446	Non-structural concrete and steelworks details	14%	22/11/2006	NA	22/11/2006	12/1/2007	1							
447	Detailed Design Preparation	30%	22/11/2006	NA	22/11/2006	14/1/2007	1							
448	Design Check by Design Checker	0%	NA	NA	15/12/2006	29/12/2006	1							
449	DDR Submission by PM	0%	NA	NA	30/12/2006	12/1/2007	1							
450	DDR for Structural Plan	0%	NA	NA	12/1/2007	12/1/2007	1							
451	Stage 1 A&A Works for Existing Atrium Link	55%	17/10/2006	NA	17/10/2006	28/12/2006	1							
452	Stage 2 (Refer Demolition Plan)	50%	5/10/2006	NA	5/10/2006	2/2/2007	1							
453	Stage 3 A&A Works Modification of Existing Atrium Link Structure	62%	17/11/2006	NA	17/11/2006	27/1/2007	1							
454	Detailed Design Preparation	100%	17/11/2006	25/11/2006	17/11/2006	28/12/2006	1							
455	Design Check by Design Checker	99%	27/11/2006	NA	30/12/2006	13/1/2007	1							
456	RIP/DDR Submission by PM	0%	NA	NA	15/1/2007	27/1/2007	1							
457	RIP/DDR for Structural Plan	0%	NA	NA	27/1/2007	27/1/2007	1							
458	A&A Works at Phase 2 Building	30%	10/11/2006	NA	10/11/2006	20/1/2007	1							
459	Detailed Design Preparation	50%	10/11/2006	NA	10/11/2006	20/1/2007	1							
460	Design Check by Design Checker	0%	NA	NA	27/12/2006	6/1/2007	1							
461	RIP/DDR Submission by PM	0%	NA	NA	8/1/2007	20/1/2007	1							
462	RIP/DDR for Structural Plan	0%	NA	NA	20/1/2007	20/1/2007	1							
463	BS Design	91%	14/6/2006	NA	14/6/2006	8/2/2007	1							
464	BS - HVAC	94%	14/7/2006	NA	14/7/2006	10/1/2007	1							
465	Review in Principle	100%	14/7/2006	17/7/2006	14/7/2006	22/11/2006	1							
466	Stage 1	100%	14/7/2006	9/10/2006	14/7/2006	9/10/2006	1							
467	Schematic Design of All HVAC Installation Preparation & S	100%	14/7/2006	16/8/2006	14/7/2006	16/8/2006	1							
468	Design Check by Design Checker	100%	17/8/2006	15/9/2006	17/8/2006	15/9/2006	1							
469	RIP by PM	100%	18/9/2006	6/10/2006	18/9/2006	9/10/2006	1							
470	RIP for Schematic Design	100%	9/10/2006	9/10/2006	9/10/2006	9/10/2006	1							
471	Stage 2	100%	16/8/2006	11/1/2007	16/8/2006	22/11/2006	1							
472	Preliminary HVAC Installation Preparation & Submission	100%	16/8/2006	18/9/2006	16/8/2006	18/9/2006	1							
473	Design Check by Design Checker	100%	21/9/2006	15/12/2006	19/8/2006	31/10/2006	1							
474	RIP by PM	100%	16/12/2006	11/1/2007	1/1/2006	22/11/2006	1							
475	RIP for Schematic Design	100%	19/1/2007	17/1/2007	22/11/2006	22/11/2006	1							
476	Details Design Review	83%	5/9/2006	NA	5/9/2006	18/1/2007	1							
477	Detailed Design Preparation	100%	5/9/2006	25/11/2006	5/9/2006	28/11/2006	1							
478	Design Check by Design Checker	99%	27/11/2006	NA	29/11/2006	27/12/2006	1							
479	DDR for HVAC Submission by PM	0%	NA	NA	28/12/2006	18/1/2007	1							
480	DDR for HVAC	0%	NA	NA	18/1/2007	18/1/2007	1							
481	BS - Electrical	93%	28/7/2006	NA	28/7/2006	12/1/2007	1							
482	Review in Principle	100%	28/7/2006	27/11/2006	28/7/2006	22/11/2006	1							
483	Stage 1	100%	28/7/2006	9/10/2006	28/7/2006	6/10/2006	1							
484	Electrical System Design Preparation & Submission	100%	28/7/2006	25/8/2006	28/7/2006	25/8/2006	1							
485	Design Check by Design Checker	100%	26/8/2006	15/9/2006	20/8/2006	15/9/2006	1							
486	RIP by PM	100%	16/9/2006	6/10/2006	16/9/2006	6/10/2006	1							
487	RIP for Electrical System Design	100%	6/10/2006	6/10/2006	6/10/2006	6/10/2006	1							
488	Stage 2	100%	25/8/2006	27/11/2006	25/8/2006	22/11/2006	1							
489	Electrical Layouts Preparation & Submission	100%	25/8/2006	28/9/2006	25/8/2006	28/9/2006	1							
490	Design Check by Design Checker	100%	29/9/2006	28/10/2006	29/9/2006	31/10/2006	1							
491	RIP by PM	100%	31/10/2006	27/11/2006	1/11/2006	22/11/2006	1							
492	RIP for Electrical Layouts	100%	27/11/2006	27/11/2006	22/11/2006	22/11/2006	1							
493	Details Design Review	84%	25/9/2006	NA	25/9/2006	12/1/2007	1							
494	Detailed Design Preparation	100%	25/9/2006	22/12/2006	25/9/2006	23/1/2007	1							
495	Design Check by Design Checker	99%	27/12/2006	NA	24/11/2006	19/12/2006	1							
496	DDR for Electrical Submission by PM	0%	NA	NA	20/12/2006	12/1/2007	1							
497	DDR for Electrical	0%	NA	NA	12/1/2007	12/1/2007	1							
498	BS - Lift and Escalator	96%	19/7/2006	NA	19/7/2006	23/12/2006	1							
499	Schematic Design Preparation & Submission	100%	19/7/2006	28/8/2006	19/7/2006	29/8/2006	1							
500	Design Check by Design Checker	100%	30/8/2006	13/9/2006	30/8/2006	13/9/2006	1							
501	RIP by PM	100%	14/9/2006	4/10/2006	14/9/2006	4/10/2006	1							
502	RIP for Schematic Design	100%	4/10/2006	10/10/2006	4/10/2006	4/10/2006	1							
503	Detailed Design Preparation	100%	2/10/2006	2/12/2006	2/10/2006	4/11/2006	1							
504	Design Check by Design Checker	100%	4/12/2006	17/1/2007	6/11/2006	1/12/2006	1							
505	DDR for Lift and Escalator Submission by PM	99%	18/1/2007	NA	2/12/2006	23/12/2006	1							
506	DDR for Lift and Escalator	0%	NA	NA	23/12/2006	23/12/2006	1							
507	BS - Fire Services	100%	14/6/2006	12/12/07	14/6/2006	13/1/2007	1							
508	Review in Principle	100%	14/6/2006	15/12/2006	14/6/2006	17/11/2006	1							
509	Stage 1	100%	14/6/2006	9/10/2006	14/6/2006	9/10/2006	1							
510	Schematic Design Preparation & Submission	100%	14/6/2006	23/8/2006	14/6/2006	23/8/2006	1							
511	Design Check by Design Checker	100%	24/8/2006	16/9/2006	24/8/2006	16/9/2006	1							
512	RIP by PM	100%	18/9/2006	8/10/2006	18/9/2006	9/10/2006	1							
513	RIP for Schematic Design	100%	9/10/2006	9/10/2006	9/10/2006	9/10/2006	1							

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Date: 09/02/2007

Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

Hong Kong Convention and Exhibition Centre  
Expansion Project  
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Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 08/02/2007

Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: Split: Project Summary: Baseline 1:



Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10Jul07  
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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
589	Design Check by Design Checker	0%	NA	NA	31/10/2006	27/11/2006								
590	RIP/DOR for Submission by PM	0%	NA	NA	28/11/2006	19/12/2006								
591	RIP/DOR for A&A Works at Phase II	0%	NA	NA	19/12/2006	19/12/2006								
592	Procurement	13%	26/5/2006	NA	26/5/2006	26/4/2006								
593	Specialist Package	13%	26/5/2006	NA	26/5/2006	26/4/2006								
594	Heavy Lifting for Steel Roof Trusses	0%	NA	NA	20/12/2006	10/7/2007								
595	Side Beam Lifting Frame/Strand Jack/Temporary Works	0%	NA	NA	20/12/2006	10/7/2007								
596	Procure Materials for Heavy Lifting System	0%	NA	NA	20/12/2006	26/4/2007								
597	Procure Materials for Side Beams & Tie Beams	0%	NA	NA	20/12/2006	26/4/2007								
598	Pre-fabrication of Side Beams and Tie Beams	0%	NA	NA	19/3/2007	10/7/2007								
599	Concrete For Construction	40%	26/5/2006	NA	26/5/2006	26/4/2006								
600	Foundation	100%	26/5/2006	4/8/2006	26/5/2006	4/8/2006								
601	Design Mix Preparation & Submission	100%	11/7/2006	17/7/2006	11/7/2006	17/7/2006								
602	Check by Internal Checker	100%	19/7/2006	21/7/2006	19/7/2006	21/7/2006								
603	Check by Design Checker	100%	22/7/2006	4/8/2006	22/7/2006	4/8/2006								
604	Final Mix Report Preparation & Submission	100%	26/5/2006	7/7/2006	26/5/2006	7/7/2006								
605	Design Check by Design Checker	100%	8/7/2006	11/7/2006	8/7/2006	11/7/2006								
606	Review by PM	100%	12/7/2006	14/7/2006	12/7/2006	14/7/2006								
607	Superstructure	100%	26/5/2006	25/7/2006	26/5/2006	25/7/2006								
608	Design Mix Preparation & Submission	100%	15/7/2006	21/7/2006	15/7/2006	21/7/2006								
609	Design Check by Design Checker	100%	22/7/2006	25/7/2006	22/7/2006	25/7/2006								
610	Final Mix Report Preparation & Submission	100%	26/5/2006	26/8/2006	26/5/2006	26/8/2006								
611	Review by PM	100%	27/8/2006	27/8/2006	27/8/2006	27/8/2006								
612	Sliding/Folding/Dismountable Partition	0%	NA	NA	23/10/2007	28/4/2008								
613	Sliding/Folding/Dismountable Partition	0%	NA	NA	23/10/2007	28/4/2008								
614	Pontoons for Construction Works	84%	13/10/2006	NA	15/11/2006	15/11/2007								
615	Submission to Marine Department	100%	13/10/2006	13/10/2006	15/11/2006	15/11/2006								
616	Review by Marine Department	100%	14/10/2006	13/11/2006	15/11/2006	19/12/2006								
617	Approval by Marine Department	100%	13/11/2006	13/11/2006	19/12/2006	19/12/2006								
618	Material Procurement & Delivery	100%	14/11/2006	29/12/2006	15/11/2006	30/12/2006								
619	Commencement to assemble on site	0%	NA	NA	30/12/2006	30/12/2006								
620	Assemble Pontoon on site	0%	NA	NA	31/12/2007	15/12/2007								
621	Steel Piles	100%	29/5/2006	5/10/2006	29/5/2006	6/10/2006								
622	Procure Materials (Marine Pile)	100%	8/9/2006	5/10/2006	6/9/2006	5/10/2006								
623	Procure Materials (Pre-bored H Pile)	100%	28/8/2006	28/7/2006	28/8/2006	28/7/2006								
624	Structural Steel Works	34%	7/6/2006	NA	7/6/2006	22/11/2007								
625	Place Ordering of Materials from Steel Mills	100%	7/6/2006	29/6/2006	7/6/2006	29/6/2006								
626	Material Procurement & Delivery	60%	7/6/2006	NA	7/6/2006	7/11/2007								
627	Shop Drawing Submission & Approval	65%	13/10/2006	NA	15/10/2006	13/12/2006								
628	First Delivery to Fabrication Yards	0%	NA	NA	1/12/2006	1/12/2006								
629	Fabrication of Structural Steel Works	3%	1/12/2006	NA	1/12/2006	22/11/2007								
630	Others Structural Works	0%	NA	NA	11/11/2006	2/3/2007								
631	Process Movement Joint	0%	NA	NA	11/11/2006	2/3/2007								
632	Curtain Wall / Cladding	0%	NA	NA	1/12/2006	17/11/2007								
633	Subletting preparation (based on DOR submission)	0%	NA	NA	1/12/2006	8/1/2007								
634	Shop Drawing Submission & Approval	0%	NA	NA	9/1/2007	5/3/2007								
635	Visual and Performance Mock Up Test	0%	NA	NA	6/3/2007	21/6/2007								
636	Production & Delivery of Frames/Panels for west facade	0%	NA	NA	22/5/2007	17/11/2007								
637	Production & Delivery of Inserts & Anchors	0%	NA	NA	6/5/2007	26/6/2007								
638	Commence Installation of Inserts & Anchors	0%	NA	NA	20/1/2007	20/1/2007								
639	Production & Delivery of Frames/Panels for east facade	0%	NA	NA	22/5/2007	17/11/2007								
640	M & E Long - Lead Items	0%	NA	NA	23/3/2007	18/2/2008								
641	MVAC Equipment Procurement	0%	NA	NA	26/4/2007	29/11/2007								
642	Electrical Equipment	0%	NA	NA	17/4/2007	20/11/2007								
643	Lift & Escalator Procurement & Delivery	0%	NA	NA	8/5/2007	11/12/2007								
644	Large Diameter Pipework & Fittings	0%	NA	NA	14/4/2007	17/11/2007								
645	Gondola Procurement	0%	NA	NA	23/3/2007	24/9/2007								
646	Lighting / Fire Shutter / Curtain / Smoke Curtain	0%	NA	NA	24/5/2007	18/2/2008								
647	Telecommunication Equipment	0%	NA	NA	14/4/2007	31/12/2008								
648	Bearing for Steel Truss	12%	12/10/2006	NA	7/11/2006	1/3/2007								
649	Shop Drawing Submission & Approval(2/11)	12%	12/10/2006	NA	23/11/2006	9/12/2006								
650	Bearing Procurement and Delivery(2/11)	12%	26/10/2006	NA	9/12/2006	7/3/2007								
651	Contractor Submission	26%	29/6/2006	NA	25/5/2006	29/9/2006								
652	Presentation for Design Works	100%	26/5/2006	26/5/2006	26/5/2006	26/6/2006								
653	Prepare Presentation for Design Works	100%	26/5/2006	20/6/2006	26/5/2006	20/6/2006								
654	Approval by PM/Client	100%	20/6/2006	20/6/2006	20/6/2006	20/6/2006								
655	Environmental Submission / Monitoring	100%	25/5/2006	12/5/2006	25/5/2006	12/5/2006								
656	Environmental Baseline Monitoring Schedule	100%	25/5/2006	5/6/2006	25/5/2006	5/6/2006								
657	Submit to EPO & PM	100%	9/6/2006	13/6/2006	9/6/2006	13/6/2006								
658	Environmental Baseline Monitoring & Submission	100%	18/6/2006	27/7/2006	18/6/2006	27/7/2006								
659	EPO Approval of Baseline Monitoring Result	100%	3/8/2006	10/8/2006	3/8/2006	10/8/2006								

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Task	Progress	Summary	External Tasks	Group By Summary
Critical Task	Milestone	Split	Project Summary	Baseline 1

Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
660	EIA Amendment for Temp. Working Platform	100%	15/7/2006	15/7/2006	15/7/2006	15/7/2006								
661	EPD Approval of EIA Amendment	100%	17/7/2006	12/8/2006	17/7/2006	12/8/2006								
662	Bond	100%	1/6/2006	30/6/2006	1/6/2006	30/6/2006								
663	Prepare/Issue Performance Bond	100%	1/6/2006	30/6/2006	1/6/2006	30/6/2006								
664	Design Management Plan	100%	25/5/2006	25/5/2006	25/5/2006	25/5/2006								
665	Prepare Design Management Plan	100%	25/5/2006	25/5/2006	25/5/2006	25/5/2006								
666	Submit to PM for Approval	100%	5/6/2006	26/6/2006	5/6/2006	26/6/2006								
667	General	100%	26/5/2006	23/6/2006	26/5/2006	23/6/2006								
668	OSSP Submission & Consent Application	100%	26/5/2006	14/6/2006	26/5/2006	14/6/2006								
669	Prepare Survey & Monitoring Proposal	100%	26/5/2006	14/6/2006	26/5/2006	14/6/2006								
670	Prepare Environmental & Waste Management Plan	100%	26/5/2006	23/6/2006	26/5/2006	23/6/2006								
671	Prepare Site Plan	100%	26/5/2006	14/6/2006	26/5/2006	14/6/2006								
672	Organization Chart	100%	6/6/2006	22/6/2006	6/6/2006	22/6/2006								
673	Submit Organisation Chart	100%	6/6/2006	6/6/2006	6/6/2006	6/6/2006								
674	Approval by PM	100%	6/6/2006	22/6/2006	6/6/2006	22/6/2006								
675	Work Programme	100%	26/5/2006	25/7/2006	26/5/2006	25/7/2006								
676	Submit 3 month Rolling Prog	100%	26/5/2006	14/6/2006	26/5/2006	14/6/2006								
677	Prepare & Submit Work Programme (Microsoft Project Version)	100%	26/5/2006	7/7/2006	26/5/2006	7/7/2006								
678	Work Programme Comment / Approval	100%	8/7/2006	9/7/2006	8/7/2006	9/7/2006								
679	Safety Plan	100%	26/5/2006	23/6/2006	26/5/2006	23/6/2006								
680	Prepare/Submit Safety Plan for Approval (Outline)	100%	26/5/2006	9/6/2006	26/5/2006	9/6/2006								
681	Prepare/Submit Safety Plan for Approval (Detail)	100%	26/5/2006	23/6/2006	26/5/2006	23/6/2006								
682	CSWD / CBWD	0%	NA	NA	1/3/2007	25/5/2006								
683	CSWD/CBW Submission/Comment/Re-submit/Approval	0%	NA	NA	1/3/2007	1/4/2006								
684	Review of Structural Plan for Building Services	0%	NA	NA	25/5/2007	1/4/2006								
685	Shop Drawing Submission/Comment/Re-submit/Approval	0%	NA	NA	9/5/2007	28/9/2006								
686	Site Works	8%	19/6/2006	NA	19/6/2006	11/3/2006								
687	Site Mobilisation	100%	7/7/2006	19/8/2006	7/7/2006	19/8/2006								
688	Site Office Set Up	100%	7/7/2006	19/8/2006	7/7/2006	19/8/2006								
689	Site Office Set Up	100%	7/7/2006	19/8/2006	7/7/2006	19/8/2006								
690	Underground Utilities Diversion	100%	19/6/2006	23/6/2006	19/6/2006	23/6/2006								
691	Pre-Construction Preparation	100%	19/6/2006	23/6/2006	19/6/2006	23/6/2006								
692	Preliminaries	100%	19/6/2006	23/6/2006	19/6/2006	23/6/2006								
693	UG Service Survey & Trial Pit Open-Up	100%	19/6/2006	23/6/2006	19/6/2006	23/6/2006								
694	Tree Transplant	50%	25/10/2006	NA	25/10/2006	12/12/2006								
695	Tree Transplant	50%	25/10/2006	NA	25/10/2006	12/12/2006								
696	Level 1 Hoarding Erection	62%	12/7/2006	NA	12/7/2006	3/8/2006								
697	Stage 1 Hoarding Erection	100%	12/7/2006	3/8/2006	12/7/2006	3/8/2006								
698	Stage 2 Hoarding Erection for ST-35 escape routing (Pedestrian Tunnel)	100%	1/12/2006	15/12/2006	2/12/2007	15/3/2007								
699	Stage 3 Hoarding Erection for escape staircase at HKCEC Phase II	0%	NA	NA	6/8/2007	30/6/2007								
700	Internal Hoarding Erection at Existing Atrium Link	100%	2/8/2006	15/12/2006	2/8/2006	24/2/2007								
701	For West Façade Removal and Structural Modification to West truss at +1	100%	2/8/2006	23/11/2006	2/8/2006	28/11/2006								
702	Bamboo Scaffolding Erection (Phase 1)	100%	2/8/2006	6/8/2006	2/8/2006	6/8/2006								
703	Hoarding Erection	100%	9/8/2006	15/9/2006	9/8/2006	15/9/2006								
704	Bamboo Scaffolding Erection (Phase 2)	100%	6/10/2006	13/10/2006	6/10/2006	13/10/2006								
705	Hoarding Erection	100%	24/10/2006	29/11/2006	24/10/2006	29/11/2006								
706	For West Façade Removal and Structural Modification to West truss at +1	100%	6/10/2006	28/11/2006	6/10/2006	28/11/2006								
707	Bamboo Scaffolding Erection	100%	6/10/2006	13/10/2006	6/10/2006	13/10/2006								
708	Hoarding Erection	100%	24/10/2006	28/11/2006	24/10/2006	28/11/2006								
709	For GL 17/A&B Columns Construction (Stage 3)	100%	6/10/2006	15/12/2006	6/12/2006	24/2/2007								
710	Bamboo Scaffolding Erection	100%	6/10/2006	21/10/2006	6/12/2006	27/11/2007								
711	Hoarding Erection	100%	24/10/2006	15/12/2006	9/12/2006	24/2/2007								
712	A & A Works to Existing HKCEC Phase 1 and 2	29%	25/7/2006	NA	28/7/2006	5/11/2006								
713	A & A Works to HKCEC Phase 1	1%	27/12/2006	NA	26/2/2007	5/11/2006								
714	For Escalator relocation at Pedestrian Tunnel Phase I	10%	27/12/2006	NA	26/2/2007	17/4/2007								
715	Structural modification for new escalator pits at level 10.4	10%	27/12/2006	NA	26/2/2007	17/4/2007								
716	HKCEC Phase 1 - New Atrium Link Connection	0%	NA	NA	7/5/2007	5/11/2006								
717	Erect Internal Hoarding (G.L. 25A1-A)	0%	NA	NA	7/5/2007	23/6/2007								
718	Remove Existing Internal Finishes & Feature	0%	NA	NA	25/8/2007	30/7/2007								
719	Termination for Existing E&M Services	0%	NA	NA	31/7/2007	3/9/2007								
720	Modification Works for Existing Structure	0%	NA	NA	7/8/2007	3/9/2007								
721	Modification Works for External Façade (level +10.40 to 51.80)	0%	NA	NA	4/9/2007	9/11/2007								
722	Make Good for Existing Structure	0%	NA	NA	10/11/2007	30/11/2007								
723	New Finishing works for (G.L. 25A1-A)	0%	NA	NA	1/12/2007	9/12/2006								
724	Modification Works for E&M Services (G.L. 25A1-A)	0%	NA	NA	7/12/2007	3/7/2006								
725	Erect Internal Hoarding (G.L. 25B-B)	0%	NA	NA	9/4/2008	26/6/2006								
726	Remove Existing Finishes & Feature	0%	NA	NA	29/5/2008	4/7/2006								
727	Termination for Existing E&M Services	0%	NA	NA	5/7/2008	8/8/2006								
728	Modification Works for Existing Structure	0%	NA	NA	12/7/2008	8/8/2006								
729	Modification Works for External Façade (level +10.40 to 51.80)	0%	NA	NA	9/8/2008	15/10/2006								
730	Make Good for Existing Structure	0%	NA	NA	10/10/2008	5/11/2006								

Project: 3 Months Rolling Programme  
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Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

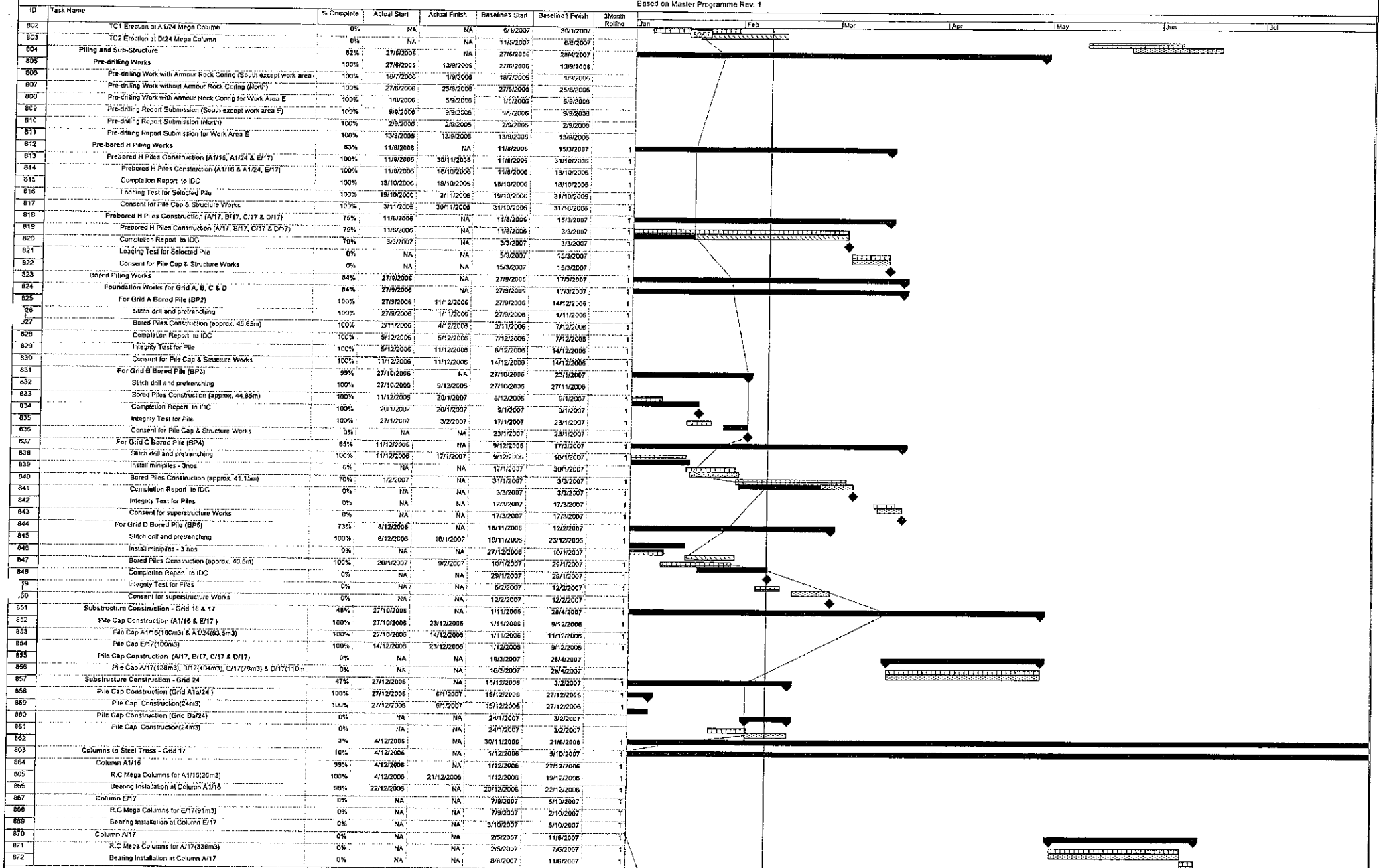
Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
Based on Master Programme Rev. 1

ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
731	New Finishing Works For (G.L.25/B-D)	0%	NA	NA	16/7/2006	12/8/2006								
732	Modification Works for E&M Services (G.L.25/B-D)	0%	NA	NA	24/7/2006	15/9/2006								
733	Final Cleaning & Inspection by Consultant	0%	NA	NA	20/8/2006	10/9/2006								
734	Remove Internal Hoarding	0%	NA	NA	11/9/2006	23/9/2006								
735	Preliminary Inspections	0%	NA	NA	23/9/2006	23/10/2006								
736	Submit BA14	0%	NA	NA	23/10/2006	23/10/2006								
737	Inspections by BO	0%	NA	NA	23/10/2006	24/10/2006								
738	A & A Works to HKCEC Phase 2	54%	26/7/2006	NA	26/7/2006	21/9/2007								
739	HKCEC Phase 2 Area (S10 A1/H4-16, level2) for Pedestrian diversion	0%	NA	NA	26/2/2007	3/4/2007								
740	Erect Internal Hoarding	0%	NA	NA	26/2/2007	10/3/2007								
741	Remove Existing Finishes & Feature	0%	NA	NA	12/3/2007	17/3/2007								
742	Termination for Existing E&M Services	0%	NA	NA	1/3/2007	14/3/2007								
743	Modification Works for External Facade	0%	NA	NA	15/3/2007	3/4/2007								
744	HKCEC Phase 2 - Demolition Works (G.L. 16/B-E)	100%	26/7/2006	20/1/2007	26/7/2006	20/1/2007	1							
745	Erect Weather Proof Hoarding / Protective measure	100%	26/7/2006	31/8/2006	26/7/2006	31/8/2006	1							
746	Remove Existing Finishes & Feature	100%	1/9/2006	25/9/2006	1/9/2006	25/9/2006	1							
747	Termination for Existing E&M Services	100%	11/9/2006	28/9/2006	11/9/2006	28/9/2006	1							
748	Modification/Remove for External Facade	100%	30/9/2006	20/10/2006	30/9/2006	20/10/2006	1							
749	Demolition of Structure for Gnd 16/B-E	100%	21/10/2006	20/1/2007	21/10/2006	20/1/2007	1							
750	HKCEC Phase 2 - New Atrium Link Connection level 14.4 to 51.75	0%	NA	NA	23/5/2007	21/8/2007								
751	Erect Internal Hoarding	0%	NA	NA	23/5/2007	27/6/2007								
752	Remove Existing Finishes & Feature	0%	NA	NA	28/6/2007	14/7/2007								
753	Termination for Existing E&M Services	0%	NA	NA	16/7/2007	18/8/2007								
754	Modification Works for Existing Structure	0%	NA	NA	27/7/2007	18/8/2007								
755	Make Good for Existing Structure	0%	NA	NA	26/8/2007	4/9/2007								
756	New Finishing Works	0%	NA	NA	5/9/2007	21/9/2007								
757	Modification of Existing Atrium Link	20%	22/1/2006	NA	29/11/2006	21/8/2007	1							
758	Removal of Existing West Glass Wall at Atrium Link	100%	22/1/2006	30/12/2006	29/11/2006	11/1/2007	1							
759	Removal of Existing West Glass Wall	100%	22/1/2006	30/12/2006	29/11/2006	11/1/2007	1							
760	Modification Works of Existing Western Facade Truss	5%	8/12/2007	NA	16/12/2006	16/12/2007	1							
761	Modify & Strengthening Existing Western Facade Truss	5%	8/12/2007	NA	16/12/2006	16/1/2007	1							
762	Modification Works of Existing Slab for Column A17 & B17 Construction	0%	NA	NA	26/2/2007	2/4/2007	1							
763	Modify Existing Slab for Column A17 & B17 Construction (level +14.40)	0%	NA	NA	26/2/2007	2/4/2007	1							
764	Modification of Existing Level 2 Structure	0%	NA	NA	8/3/2007	21/5/2007	1							
765	Modify & Strengthening Trusses Under Existing Level 2 Decking	0%	NA	NA	8/3/2007	21/5/2007	1							
766	Demolition of Existing Atrium Link	0%	NA	NA	14/3/2007	23/12/2006	1							
767	Removal Existing Eastern Glass Wall	0%	NA	NA	4/5/2007	25/6/2007	1							
768	Precaution Measures Installation for Eastern Facade Removal	0%	NA	NA	4/5/2007	25/6/2007	1							
769	Bamboo Scaffolding Erection	0%	NA	NA	11/5/2007	25/5/2007	1							
770	Consent for Eastern Facade Removal	0%	NA	NA	26/5/2007	26/5/2007	1							
771	Removal of Existing Eastern Glass Wall	0%	NA	NA	28/5/2007	25/6/2007	1							
772	Demolition of Existing Atrium Link	0%	NA	NA	14/3/2007	23/12/2006	1							
773	Diversion/Termination of Existing E&M Services to New Access (between	0%	NA	NA	14/3/2007	22/5/2007	1							
774	Removal Escalator Inside Existing Atrium Link	0%	NA	NA	29/5/2007	19/6/2007	1							
775	Removal Roof Floor Finishes & Non-Structural Elements	0%	NA	NA	20/5/2007	12/6/2007	1							
776	Bamboo Scaffolding Erection for Removal Internal Finishes and Cladding	0%	NA	NA	29/5/2007	12/6/2007	1							
777	Removal Internal Finishes, Cladding & E&M Fung From Roof to Level 2	0%	NA	NA	29/5/2007	11/7/2007	1							
778	Propping & Precaution Measures Installation for Demolition Works	0%	NA	NA	29/5/2007	11/7/2007	1							
779	Consent for Demolition Works	0%	NA	NA	12/7/2007	12/7/2007	1							
780	Removal Slab From Roof to Level 2	0%	NA	NA	13/7/2007	1/8/2007	1							
781	Removal Steel Floor Trusses From Roof to Level 2	0%	NA	NA	27/7/2007	11/8/2007	1							
782	Removal Existing Hanger Columns	0%	NA	NA	13/8/2007	28/8/2007	1							
783	Removal Existing Roof Trusses	0%	NA	NA	29/8/2007	13/9/2007	1							
784	Modification Works of Existing Eastern Facade Truss level 29.4 to 44.4	0%	NA	NA	30/8/2007	17/9/2007	1							
785	Removal of remaining Existing Eastern & Western Facade Truss	0%	NA	NA	15/12/2007	23/1/2008	1							
786	New Atrium Link Extension	6%	27/6/2006	NA	27/6/2006	11/3/2007	1							
787	Material Handling Facilities & Temporary Working Platforms	56%	19/9/2006	NA	18/9/2006	6/12/2007	1							
788	East Temporary Steel Working Platform (for Roof Trusses Assembly)	35%	19/9/2006	NA	18/9/2006	21/3/2007	1							
789	Mini/Marine Pile Construction (Pile no. RP1 to 30, P1 to 58, VP26 to 31)	65%	18/9/2006	NA	18/9/2006	31/1/2007	1							
790	On Site fabrication of Bracing	27%	25/9/2006	NA	25/10/2006	9/3/2007	1							
791	On Site fabrication of Supports	27%	26/10/2006	NA	26/10/2006	13/3/2007	1							
792	Temporary Working Platform Erection	25%	21/12/2006	NA	9/11/2006	21/3/2007	1							
793	Partial completion for Bored Pile(P49 to 58, RP20 to 30, VP26 to 31)	100%	28/11/2006	28/11/2006	28/11/2006	28/11/2006	1							
794	Completion of marine platform (approx. 4800sqm)	0%	NA	NA	21/3/2007	21/3/2007	1							
795	West Temporary Steel Working Platform (for A1 Panel Truss Assembly)	100%	27/9/2006	25/11/2007	27/9/2006	25/11/2007	1							
796	Mini/Marine Pile Construction (Pile no. RP32 to 39, P50 to 80, P+27 to 6)	100%	27/9/2006	4/12/2007	27/9/2006	4/12/2007	1							
797	On Site fabrication of Bracing	100%	10/10/2006	11/1/2007	18/10/2006	11/1/2007	1							
798	On Site fabrication of Supports	100%	21/10/2006	30/12/2006	21/10/2006	30/12/2006	1							
799	Temporary Working Platform Erection	100%	18/11/2006	26/1/2007	10/11/2006	25/1/2007	1							
800	Completion of marine platform (approx. 7100sqm)	100%	25/1/2007	25/1/2007	26/1/2007	25/1/2007	1							
801	Tower Crane Erection	0%	NA	NA	6/1/2007	6/6/2007	1							

Project: 3 Months Rolling Programme  
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Date: 09/02/2007

Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  SPI:  Project Summary:  Baseline 1: 

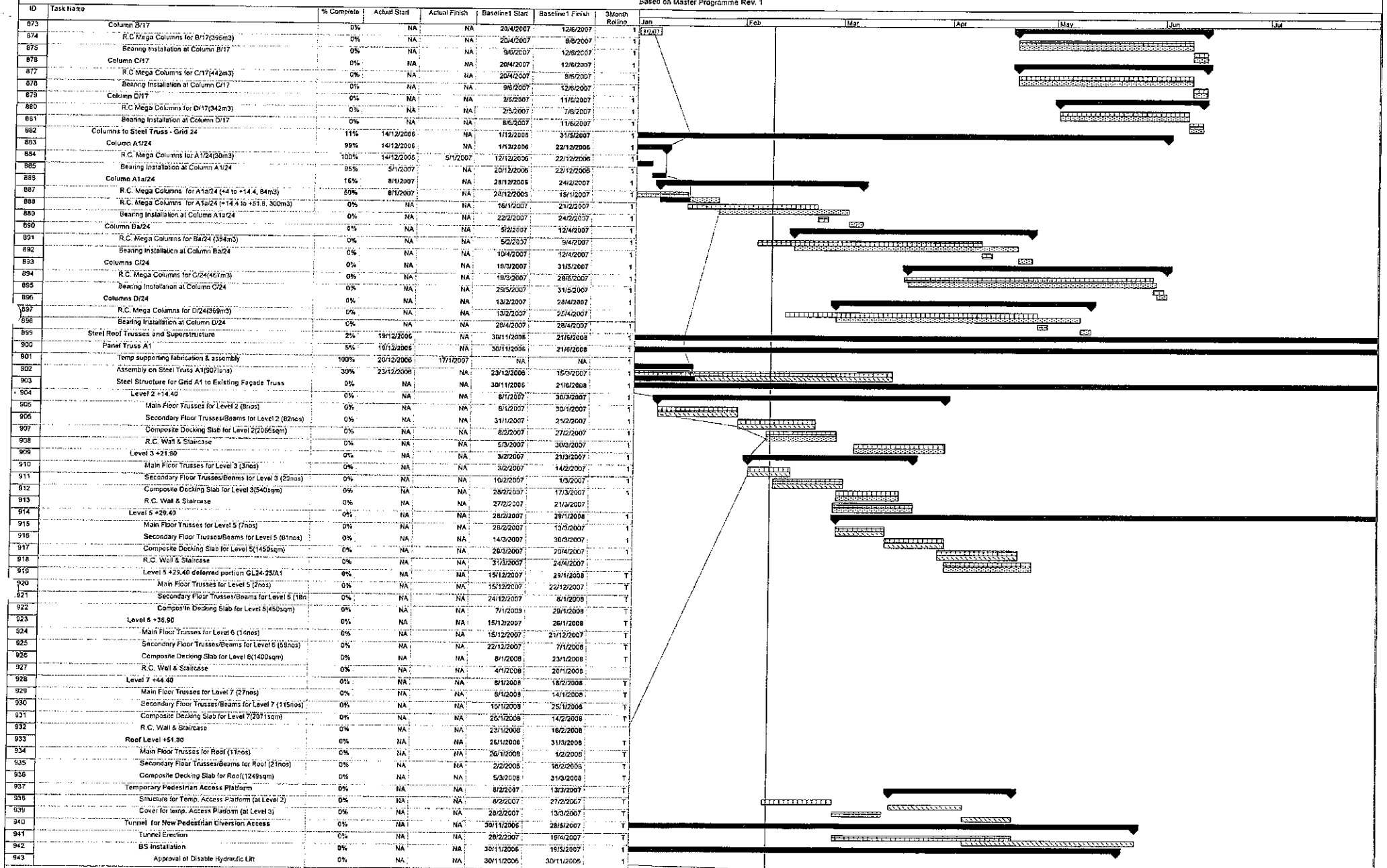
Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
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Project: 3 Months Rolling Programme  
Based on Master Programme Rev. 1  
Date: 09/02/2007

Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: SP1: Project Summary: Baseline:

Hong Kong Convention and Exhibition Centre  
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Date: 08/02/2007

Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: Split: Project Summary: Baseline 1:

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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
944	Disable Hydraulic Lift Installation	0%	NA	NA	23/3/2007	26/4/2007								
945	Form 6	0%	NA	NA	19/6/2007	19/6/2007								
946	HVAC Installation	0%	NA	NA	16/3/2007	24/4/2007								
947	Electrical Installation	0%	NA	NA	16/3/2007	18/4/2007								
948	FS Installation	0%	NA	NA	23/3/2007	19/4/2007								
949	T&C	0%	NA	NA	21/4/2007	10/5/2007								
950	Form 501 Submission	0%	NA	NA	24/4/2007	24/4/2007								
951	Inspection	0%	NA	NA	11/5/2007	28/5/2007								
952	Pedestrian Routing Divert to New Access	0%	NA	NA	28/5/2007	28/5/2007								
953	Tunnel for Pedestrian Re-Diversion Access to New Stru	0%	NA	NA	23/2/2008	21/6/2008								
954	Tunnel erection	0%	NA	NA	23/2/2008	19/4/2008								
955	Floor Finish inside Re-Diversion Tunnel	0%	NA	NA	25/4/2008	16/5/2008								
956	DS Installation	0%	NA	NA	19/3/2008	30/4/2008								
957	HVAC Installation	0%	NA	NA	19/3/2008	19/4/2008								
958	FS Installation	0%	NA	NA	31/3/2008	16/4/2008								
959	T&C	0%	NA	NA	17/4/2008	28/4/2008								
960	Form 501 Submission	0%	NA	NA	30/4/2008	30/4/2008								
961	Inspection	0%	NA	NA	19/5/2008	20/6/2008								
962	Pedestrian Routing Divert to New Access	0%	NA	NA	21/6/2008	21/6/2008								
963	Temporary Works for Sliding & Heavy Lifting	0%	NA	NA	1/6/2007	12/11/2007								
964	Heavy Lifting & Sliding System Installation	0%	NA	NA	1/6/2007	21/7/2007								
965	Remove Sliding Beams & Equipment From HL	0%	NA	NA	26/10/2007	12/11/2007								
966	Transfer Truss for Grid 24A-B	0%	NA	NA	1/6/2007	31/10/2007								
967	Assembly Steel Transfer Truss on Column A1a/24 & B2/24/28	0%	NA	NA	1/6/2007	1/6/2007								
968	Connection of Roof Truss A	0%	NA	NA	24/9/2007	27/9/2007								
969	Connection to Roof Truss B	0%	NA	NA	28/9/2007	3/10/2007								
970	Roof Truss A (128tons)	0%	NA	NA	1/6/2007	1/11/2007								
971	Assembly of Steel Roof Truss A on Site	0%	NA	NA	1/6/2007	1/11/2007								
972	Erect Temp Bracing between Roof Truss A & B	0%	NA	NA	25/7/2007	31/7/2007								
973	Lifting Up to Grid C High Level	0%	NA	NA	1/8/2007	6/8/2007								
974	Sliding to Permanent Position at Grid A	0%	NA	NA	16/9/2007	22/9/2007								
975	Bracing for Roof Truss A & B	0%	NA	NA	26/9/2007	10/10/2007								
976	Transfer Trusses from Truss A to Truss A1	0%	NA	NA	11/10/2007	1/11/2007								
977	Assembly of Back Span for Steel Roof Truss A	0%	NA	NA	28/9/2007	31/10/2007								
978	Roof Truss B (96tons)	0%	NA	NA	1/6/2007	6/11/2007								
979	Assembly of Steel Roof Truss B on Site	0%	NA	NA	1/6/2007	31/7/2007								
980	Erect Temp Bracing between Roof Truss A & B	0%	NA	NA	25/7/2007	31/7/2007								
981	Lifting Up to Grid D High Level	0%	NA	NA	1/8/2007	6/8/2007								
982	Sliding to Grid B	0%	NA	NA	18/9/2007	22/9/2007								
983	Final Lifting of Transfer Truss & Roof Truss D	0%	NA	NA	24/9/2007	25/9/2007								
984	Bracing for Roof Truss A & B	0%	NA	NA	26/9/2007	10/10/2007								
985	Assembly of Back Span for Steel Roof Truss B	0%	NA	NA	4/10/2007	5/11/2007								
986	Roof Truss C (96tons)	0%	NA	NA	21/8/2007	23/11/2007								
987	Assembly of Steel Roof Truss C on Site	0%	NA	NA	21/8/2007	13/10/2007								
988	Lifting of Roof Truss C to Permanent Level	0%	NA	NA	15/10/2007	22/10/2007								
989	Bracing for Roof Truss C & D	0%	NA	NA	26/10/2007	6/11/2007								
990	Assembly of Back Span for Steel Roof Truss C	0%	NA	NA	23/10/2007	23/11/2007								
991	Roof Truss D (142tons)	0%	NA	NA	21/8/2007	26/11/2007								
992	Assembly of Steel Roof Truss D on Site	0%	NA	NA	21/8/2007	17/10/2007								
993	Lifting of Roof Truss D to Permanent Level	0%	NA	NA	18/10/2007	25/10/2007								
994	Bracing for Roof Truss C & D	0%	NA	NA	28/10/2007	6/11/2007								
995	Assembly of Back Span for Steel Roof Truss D	0%	NA	NA	25/10/2007	25/11/2007								
996	Panel Truss E (653tons)	0%	NA	NA	20/10/2007	21/12/2007								
997	Assembly of Steel Panel Truss E with Back Span	0%	NA	NA	20/10/2007	21/12/2007								
998	Steel Structure for Existing Facade Truss to Grid B	0%	NA	NA	23/10/2007	15/3/2008								
999	Hanger Columns and Main Truss (138tons) Erection	0%	NA	NA	23/10/2007	14/12/2007								
1000	Hanger Columns and Main Floor Truss (2034sqm) Erection	0%	NA	NA	23/10/2007	14/12/2007								
1001	Level 3 +21.90	0%	NA	NA	15/12/2007	23/12/2008								
1002	Secondary Floor Trusses for Level 3 (77nos)	0%	NA	NA	15/12/2007	21/12/2007								
1003	Composite Decking Slab for Level 3 (1255sqm)	0%	NA	NA	22/12/2007	23/12/2007								
1004	R.C. Wall & Staircase	0%	NA	NA	21/12/2007	23/12/2008								
1005	Level 3 Mezz +26.00	0%	NA	NA	22/12/2007	28/12/2008								
1006	Secondary Floor Trusses for Level 3 (48nos)	0%	NA	NA	22/12/2007	21/12/2008								
1007	Composite Decking Slab for Level 3 (496sqm)	0%	NA	NA	31/12/2007	5/1/2008								
1008	R.C. Wall & Staircase	0%	NA	NA	7/1/2008	29/12/2008								
1009	Level 5 +29.40	0%	NA	NA	3/1/2008	19/2/2008								
1010	Secondary Floor Trusses for Level 5 (97nos)	0%	NA	NA	3/1/2008	16/1/2008								
1011	Composite Decking Slab for Level 5 (4113sqm)	0%	NA	NA	17/1/2008	23/1/2008								
1012	R.C. Wall & Staircase	0%	NA	NA	24/1/2008	19/2/2008								
1013	Level 6 +36.90 & Level 6 Mezz.	0%	NA	NA	17/1/2008	22/2/2008								
1014	Secondary Floor Trusses for Level 6 & Level 6 Mezz. (71nos)	0%	NA	NA	17/1/2008	23/1/2008								

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Task: Progress: Summary: External Tasks: Group By Summary:   
Critical Task: Milestone: Split: Project Summary: Baseline 1:

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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline Start	Baseline Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1015	Composite Decking Slab for Level 6 & Level 5 Mezz (1502)	0%	NA	NA	24/1/2008	26/1/2008								
1016	R.C. Wall & Staircase	0%	NA	NA	28/1/2008	22/2/2008								
1017	Level 7 +44.35	0%	NA	NA	24/1/2008	11/3/2008								
1018	Secondary Floor Trusses for Level 7 (49nos)	0%	NA	NA	24/1/2008	8/2/2008								
1019	Composite Decking Slab for Level 7 (3838sqm)	0%	NA	NA	7/2/2008	15/2/2008								
1020	R.C. Wall & Staircase	0%	NA	NA	18/2/2008	11/3/2008								
1021	Level 7M +51.80	0%	NA	NA	1/3/2008	8/3/2008								
1022	Secondary Floor Trusses for Level 7 (51nos)	0%	NA	NA	7/2/2008	16/2/2008								
1023	Composite Decking Slab for Level 7 (3320sqm)	0%	NA	NA	15/2/2008	20/2/2008								
1024	R.C. Wall & Staircase	0%	NA	NA	21/2/2008	8/3/2008								
1025	Roof Level +55.80	0%	NA	NA	18/2/2008	15/3/2008								
1026	Secondary Floor Trusses for Roof (22nos)	0%	NA	NA	18/2/2008	1/3/2008								
1027	Composite Decking Slab for Roof (1276sqm)	0%	NA	NA	3/3/2008	5/3/2008								
1028	Construction of staircase	0%	NA	NA	10/3/2008	15/3/2008								
1029	Steel Structure for Grid B to D	0%	NA	NA	9/1/2007	8/4/2008								
1030	Hanger Columns and Main Truss Erection	0%	NA	NA	9/1/2007	31/1/2007								
1031	Hanger Columns and Main Truss (70nos) Erection from Ro	0%	NA	NA	9/1/2007	31/1/2007								
1032	Hanger Columns and Main Truss (70nos) Erection from Ro	0%	NA	NA	9/1/2007	31/1/2007								
1033	Level 2 +14.40	0%	NA	NA	2/1/2008	29/1/2008								
1034	Secondary Floor Trusses for Level 2 (67nos)	0%	NA	NA	2/1/2008	15/1/2008								
1035	Composite Decking Slab for Level 2 (5034sqm)	0%	NA	NA	16/1/2008	22/1/2008								
1036	R.C. Wall & Staircase	0%	NA	NA	23/1/2008	29/1/2008								
1037	Level 3 +24.90	0%	NA	NA	16/1/2008	31/1/2008								
1038	Secondary Floor Trusses for Level 3 (52nos)	0%	NA	NA	16/1/2008	21/1/2008								
1039	Composite Decking Slab for Level 3 (777sqm)	0%	NA	NA	23/1/2008	24/1/2008								
1040	R.C. Wall & Staircase	0%	NA	NA	25/1/2008	31/1/2008								
1041	Level 4 +39.90	0%	NA	NA	22/1/2008	21/2/2008								
1042	Secondary Floor Trusses for Level 4 (80nos)	0%	NA	NA	22/1/2008	4/2/2008								
1043	Composite Decking Slab for Level 4 (2524sqm)	0%	NA	NA	5/2/2008	14/2/2008								
1044	R.C. Wall & Staircase	0%	NA	NA	15/2/2008	21/2/2008								
1045	Level 5 +36.90 & Level 6 Mezz.	0%	NA	NA	5/2/2008	23/2/2008								
1046	Secondary Floor Trusses for Level 6 & Level 6 Mezz (54n	0%	NA	NA	5/2/2008	9/2/2008								
1047	Composite Decking Slab for Level 6 & Level 6 Mezz (1202	0%	NA	NA	14/2/2008	18/2/2008								
1048	R.C. Wall & Staircase	0%	NA	NA	18/2/2008	23/2/2008								
1049	Level 7 +44.35	0%	NA	NA	14/2/2008	1/4/2008								
1050	Secondary Floor Trusses for Level 7 (100nos)	0%	NA	NA	14/2/2008	27/2/2008								
1051	Composite Decking Slab for Level 7 (5754sqm)	0%	NA	NA	28/2/2008	5/3/2008								
1052	R.C. Wall & Staircase	0%	NA	NA	6/3/2008	1/4/2008								
1053	Level 7M +51.80	0%	NA	NA	28/2/2008	24/3/2008								
1054	Secondary Floor Trusses for Level 7 (51nos)	0%	NA	NA	28/2/2008	4/3/2008								
1055	Composite Decking Slab for Level 7 (1740sqm)	0%	NA	NA	5/3/2008	7/3/2008								
1056	R.C. Wall & Staircase	0%	NA	NA	9/3/2008	24/3/2008								
1057	Roof Level +55.80	0%	NA	NA	5/3/2008	8/4/2008								
1058	Secondary Floor Trusses for Roof (42nos)	0%	NA	NA	5/3/2008	18/3/2008								
1059	Composite Decking Slab for Roof (3775sqm)	0%	NA	NA	19/3/2008	8/4/2008								
1060	Steel Structure for Grid D to E	0%	NA	NA	17/2/2007	5/5/2008								
1061	Transfer Trusses Installation at Level 8 (Grid D-E/15-19) (2nos)	0%	NA	NA	16/1/2008	28/1/2008								
1062	Hanger Columns and Main Beam Erection from Level 7 to Leve	0%	NA	NA	29/1/2008	14/2/2008								
1063	Hanger Columns from Level 3 to Level 2 Along Truss E	0%	NA	NA	17/2/2007	13/1/2007								
1064	Level 2 +14.40 and Below Level 2	0%	NA	NA	14/1/2007	17/3/2008								
1065	Main Floor Trusses for Level 2 (25nos)	0%	NA	NA	14/1/2007	21/1/2007								
1066	Secondary Floor Trusses for Level 2 (85nos)	0%	NA	NA	22/1/2007	4/1/2008								
1067	Composite Decking Slab for Level 2 (1774sqm)	0%	NA	NA	5/1/2008	8/1/2008								
1068	R.C. Wall & Staircase	0%	NA	NA	9/1/2008	31/1/2008								
1069	Hanger Columns and R.C. Structure below Level 2	0%	NA	NA	1/2/2008	17/3/2008								
1070	Level 3 +22.90	0%	NA	NA	5/1/2008	21/2/2008								
1071	Main Floor Trusses for Level 3 (30nos)	0%	NA	NA	6/1/2008	12/1/2008								
1072	Secondary Floor Trusses for Level 3 (81nos)	0%	NA	NA	14/1/2008	23/1/2008								
1073	Composite Decking Slab for Level 3 (2075sqm)	0%	NA	NA	23/1/2008	25/1/2008								
1074	R.C. Wall & Staircase	0%	NA	NA	26/1/2008	21/2/2008								
1075	Level 3M +24.90	0%	NA	NA	23/1/2008	10/3/2008								
1076	Main Floor Trusses for Level 3 (10nos)	0%	NA	NA	23/1/2008	30/1/2008								
1077	Secondary Floor Trusses for Level 3 (18nos)	0%	NA	NA	31/1/2008	6/2/2008								
1078	Composite Decking Slab for Level 3 (508sqm)	0%	NA	NA	9/2/2008	15/2/2008								
1079	R.C. Wall & Staircase	0%	NA	NA	18/2/2008	10/3/2008								
1080	Level 4 +28.40	0%	NA	NA	9/2/2008	31/3/2008								
1081	Main Floor Trusses for Level 4 (27nos)	0%	NA	NA	9/2/2008	26/3/2008								
1082	Secondary Floor Trusses for Level 4 (82nos)	0%	NA	NA	24/2/2008	28/2/2008								
1083	Composite Decking Slab for Level 4 (1708sqm)	0%	NA	NA	1/3/2008	4/3/2008								
1084	R.C. Wall & Staircase	0%	NA	NA	5/3/2008	31/3/2008								
1085	Level 5 +36.90	0%	NA	NA	13/3/2008	19/4/2008								

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Task	Progress	Summary	External Tasks	Group By Summary
Critical Task	Milestone	Split	Project Summary	Baseline 1

Hong Kong Convention and Exhibition Centre  
Expansion Project  
3 Months Rolling Programme 08Feb07 to 10July07  
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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3 Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1086	Main Floor Trusses for Level 6 (28nos)	0%	NA	NA	1/2/2006	8/3/2006								
1087	Secondary Floor Trusses for Level 6 (8nos)	0%	NA	NA	10/3/2006	18/3/2006								
1088	Composite Decking Slab for Level 6 (1971sqm)	0%	NA	NA	19/3/2006	23/3/2006								
1089	R.C. Wall & Staircase	0%	NA	NA	24/3/2006	19/4/2006								
1090	Level 7 +44.35	0%	NA	NA	19/3/2006	28/4/2006								
1091	Main Floor Trusses for Roof (26nos)	0%	NA	NA	19/3/2006	26/3/2006								
1092	Secondary Floor Trusses for Roof (82nos)	0%	NA	NA	31/3/2006	6/4/2006								
1093	Composite Decking Slab for Roof (2147sqm)	0%	NA	NA	9/4/2006	12/4/2006								
1094	R.C. Wall & Staircase	0%	NA	NA	15/4/2006	28/4/2006								
1095	Level 7M +51.75	0%	NA	NA	9/4/2006	5/5/2006								
1096	Main Floor Trusses for Roof (23nos)	0%	NA	NA	9/4/2006	17/4/2006								
1097	Secondary Floor Trusses for Roof (23nos)	0%	NA	NA	10/4/2006	18/4/2006								
1098	Composite Decking Slab for Roof (554sqm)	0%	NA	NA	17/4/2006	21/4/2006								
1099	R.C. Wall & Staircase	0%	NA	NA	22/4/2006	5/5/2006								
1100	Roof Level +55.65	0%	NA	NA	21/4/2006	5/5/2006								
1101	Main Floor Trusses for Roof (10nos)	0%	NA	NA	21/4/2006	28/4/2006								
1102	Secondary Floor Trusses for Roof (34nos)	0%	NA	NA	22/4/2006	29/4/2006								
1103	Composite Decking Slab for Roof (390sqm)	0%	NA	NA	26/4/2006	30/4/2006								
1104	R.C. Wall & Staircase	0%	NA	NA	2/5/2006	5/5/2006								
1105	Architectural Finishes & Fittings	0%	NA	NA	28/6/2007	20/7/2007								
1106	External Walling - Curtain Wall / Glass Wall / Window	0%	NA	NA	6/8/2007	28/11/2007								
1107	West Side for Atrium Link Extension	0%	NA	NA	6/9/2007	17/10/2007								
1108	Stage 1 (GL 20 to 25)	0%	NA	NA	6/9/2007	6/7/2008								
1109	Setting out Works	0%	NA	NA	6/9/2007	13/9/2007								
1110	Framing Installation for Curtain Wall and Cladding	0%	NA	NA	6/9/2007	10/3/2008								
1111	Glazing Works for Curtain Walls & Cladding	0%	NA	NA	6/12/2007	15/3/2008								
1112	Weatherlight for West Face Area (GL 20 to 25)	0%	NA	NA	15/3/2008	15/3/2008								
1113	Metal Cladding Installation	0%	NA	NA	11/5/2008	7/5/2009								
1114	Sub-frame Louvre	0%	NA	NA	6/8/2007	18/10/2007								
1115	Louvers Installation	0%	NA	NA	18/10/2007	28/11/2007								
1116	Metal Canopy Installation	0%	NA	NA	17/3/2008	14/5/2008								
1117	Roof Canopy Installation	0%	NA	NA	17/3/2008	14/5/2008								
1118	Skylight Installation	0%	NA	NA	17/3/2008	25/5/2008								
1119	Ext. Lighting and Arch. Features Installation	0%	NA	NA	17/3/2008	14/5/2008								
1120	Roofing Works	0%	NA	NA	15/5/2008	8/7/2008								
1121	Stage 2 (GL 15 to 20)	0%	NA	NA	11/4/2008	17/10/2008								
1122	Setting out Works	0%	NA	NA	11/4/2008	19/4/2008								
1123	Framing Installation for Curtain Wall and Cladding	0%	NA	NA	11/4/2008	7/7/2008								
1124	Glazing Works for Curtain Walls & Cladding	0%	NA	NA	20/5/2008	11/8/2008								
1125	Weatherlight for West Face Area (GL 20 to 25) except Ped-	0%	NA	NA	16/7/2008	15/7/2008								
1126	Building enclosure for remain area	0%	NA	NA	23/5/2008	11/8/2008								
1127	Metal Cladding Installation	0%	NA	NA	8/7/2008	25/9/2008								
1128	Sub-frame Louvre	0%	NA	NA	11/4/2008	24/5/2008								
1129	Louvers Installation	0%	NA	NA	26/5/2008	7/7/2008								
1130	Metal Canopy Installation	0%	NA	NA	12/6/2008	4/10/2008								
1131	Roof Canopy Installation	0%	NA	NA	12/6/2008	4/10/2008								
1132	Skylight Installation	0%	NA	NA	12/6/2008	17/10/2008								
1133	Ext. Lighting and Arch. Features Installation	0%	NA	NA	12/6/2008	4/10/2008								
1134	East Side for Atrium Link Extension	0%	NA	NA	2/5/2008	8/10/2008								
1135	Setting out Works	0%	NA	NA	2/5/2008	9/5/2008								
1136	Sub-frame Louvre	0%	NA	NA	12/5/2008	21/6/2008								
1137	Framing Installation for Curtain Wall and Cladding	0%	NA	NA	2/5/2008	17/6/2008								
1138	Glazing Works for Curtain Walls & Cladding	0%	NA	NA	19/6/2008	4/6/2008								
1139	Weatherlight for East Face Area	0%	NA	NA	15/7/2008	15/7/2008								
1140	Building enclosure for remain area	0%	NA	NA	12/7/2008	4/8/2008								
1141	Metal Canopy Installation	0%	NA	NA	2/5/2008	7/6/2008								
1142	Skylight Installation	0%	NA	NA	2/5/2008	8/7/2008								
1143	Roof Canopy Installation	0%	NA	NA	2/5/2008	28/6/2008								
1144	Louvers Installation	0%	NA	NA	18/6/2008	23/7/2008								
1145	Metal Cladding Installation	0%	NA	NA	2/5/2008	25/6/2008								
1146	Ext. Lighting and Arch. Features Installation	0%	NA	NA	5/6/2008	28/9/2008								
1147	General Cleaning & Inspection	0%	NA	NA	27/8/2008	9/10/2008								
1148	Completion of East Side Façade Works	0%	NA	NA	9/10/2008	9/10/2008								
1149	Roofing Work	0%	NA	NA	6/10/2008	28/11/2008								
1150	Waterproofing preparation work	0%	NA	NA	6/10/2008	14/10/2008								
1151	Waterproofing work & Testing	0%	NA	NA	15/10/2008	4/11/2008								
1152	Roof floor finish	0%	NA	NA	5/11/2008	28/11/2008								
1153	Mock-up & Sample Floor	0%	NA	NA	28/6/2007	12/6/2008								
1154	Subletting preparation	0%	NA	NA	28/6/2007	13/10/2007								
1155	Shop drawing and material submission	0%	NA	NA	15/10/2007	1/2/2008								
1156	Mock Up Preparation for Glass Balustrade/Staircase	0%	NA	NA	2/2/2008	8/3/2008								

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Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 



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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3/Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1157	Consultant's Inspection/Approval	0%	NA	NA	10/3/2008	9/4/2008								
1158	Mock Up for Toilet Area	0%	NA	NA	2/2/2008	1/4/2008								
1159	Consultant's Inspection/Approval	0%	NA	NA	2/4/2008	8/5/2008								
1160	Mock-up for Foyer Works	0%	NA	NA	2/2/2008	28/3/2008								
1161	Consultant's Inspection/Approval	0%	NA	NA	29/3/2008	5/5/2008								
1162	Mock-up for Hall Fit-Out (acoustic panel interlacing)	0%	NA	NA	10/3/2008	6/5/2008								
1163	Consultant's Inspection/Approval	0%	NA	NA	7/5/2008	12/6/2008								
1164	ABWF - Internal Partitions and Doors	0%	NA	NA	17/3/2008	11/10/2008								
1165	For Area between Grid A1 and A	0%	NA	NA	17/3/2008	16/7/2008								
1166	Setting Out Works	0%	NA	NA	17/3/2008	24/3/2008								
1167	Frame Works for Block & Dry Wall	0%	NA	NA	28/3/2008	9/5/2008								
1168	Sub-Framing Works for Doors	0%	NA	NA	28/3/2008	21/4/2008								
1169	Partitioning for Block & Dry Wall	0%	NA	NA	12/5/2008	16/8/2008								
1170	Plastering work for plant room	0%	NA	NA	28/5/2008	24/8/2008								
1171	Steel & Metal Works	0%	NA	NA	28/3/2008	16/7/2008								
1172	Frame Wks for Prop. Toilet and Shower Cubicles	0%	NA	NA	17/6/2008	4/7/2008								
1173	For Area between Grid 24 and 25	0%	NA	NA	9/4/2008	10/6/2008								
1174	Setting Out Works	0%	NA	NA	9/4/2008	15/4/2008								
1175	Frame Works for Block & Dry Wall	0%	NA	NA	16/4/2008	9/6/2008								
1176	Sub-Framing Works for Doors	0%	NA	NA	16/4/2008	26/4/2008								
1177	Partitioning for Block & Dry Wall	0%	NA	NA	12/6/2008	3/8/2008								
1178	Steel & Metal Works	0%	NA	NA	16/4/2008	10/8/2008								
1179	For Area between Grid D and E	0%	NA	NA	24/3/2008	11/10/2008								
1180	Setting Out Works	0%	NA	NA	5/5/2008	14/5/2008								
1181	Frame Works for Block & Dry Wall	0%	NA	NA	15/5/2008	25/6/2008								
1182	Sub-Framing Works for Doors	0%	NA	NA	15/5/2008	7/8/2008								
1183	Partitioning for Block & Dry Wall	0%	NA	NA	26/6/2008	4/8/2008								
1184	Plastering for plant room	0%	NA	NA	24/5/2008	2/8/2008								
1185	Miscellaneous Steel & Metal Works	0%	NA	NA	15/5/2008	28/8/2008								
1186	Frame Wks for Prop. Toilet and Shower Cubicles	0%	NA	NA	5/8/2008	17/10/2008								
1187	For Area between Grid A and D / Grid 16 and 24	0%	NA	NA	3/4/2008	16/8/2008								
1188	Setting out works	0%	NA	NA	9/4/2008	17/4/2008								
1189	Maintenance access system	0%	NA	NA	3/4/2008	22/7/2008								
1190	Frame Wks for Acoustic Operable Partition	0%	NA	NA	3/4/2008	16/6/2008								
1191	Frame Works for Block & Dry Wall	0%	NA	NA	16/4/2008	30/5/2008								
1192	Sub-Framing Works for Doors	0%	NA	NA	16/4/2008	13/5/2008								
1193	Partitioning for Block & Dry Wall	0%	NA	NA	31/5/2008	1/7/2008								
1194	Plastering for plant room	0%	NA	NA	7/6/2008	12/7/2008								
1195	Miscellaneous Steel & Metal Works	0%	NA	NA	30/4/2008	16/8/2008								
1196	Frame Wks for Prop. Toilet and Shower Cubicles	0%	NA	NA	8/7/2008	11/6/2008								
1197	ABWF - Internal Finishes	0%	NA	NA	5/8/2008	24/10/2008								
1198	For Area between Grid A1 and A	0%	NA	NA	17/6/2008	31/10/2008								
1199	Waterproofing Works	0%	NA	NA	17/6/2008	3/7/2008								
1200	Plastering & Screeding	0%	NA	NA	17/6/2008	16/7/2008								
1201	Skim coat of Ceiling/Walling	0%	NA	NA	28/6/2008	14/8/2008								
1202	Painting	0%	NA	NA	17/7/2008	26/8/2008								
1203	Ceiling Grid Installation	0%	NA	NA	17/7/2008	16/8/2008								
1204	Smoke Curtain Installation	0%	NA	NA	15/8/2008	3/9/2008								
1205	Stone Wall Cladding / Tiling Works	0%	NA	NA	17/7/2008	20/8/2008								
1206	Stone Floor Finishing / Tiling Works	0%	NA	NA	17/7/2008	25/8/2008								
1207	Glass/Metal Balustrade Installation	0%	NA	NA	15/8/2008	6/9/2008								
1208	Fitting Out for Open Lobbies/Foyer	0%	NA	NA	16/8/2008	31/10/2008								
1209	Ceiling Installation	0%	NA	NA	15/8/2008	30/8/2008								
1210	Wall finishing work	0%	NA	NA	23/8/2008	16/9/2008								
1211	Floor finishing work	0%	NA	NA	17/8/2008	31/10/2008								
1212	Ceiling Panel Installation for internal area	0%	NA	NA	21/7/2008	17/9/2008								
1213	For Area between Grid 24 and 25	0%	NA	NA	5/6/2008	30/9/2008								
1214	Waterproofing Works	0%	NA	NA	5/6/2008	20/8/2008								
1215	Plastering & Screeding	0%	NA	NA	21/8/2008	21/7/2008								
1216	Skim coat of Ceiling/Walling	0%	NA	NA	22/7/2008	19/8/2008								
1217	Ceiling Grid Installation	0%	NA	NA	20/8/2008	12/9/2008								
1218	Smoke Curtain Installation	0%	NA	NA	20/8/2008	18/9/2008								
1219	Stone Wall Cladding Works	0%	NA	NA	22/7/2008	25/8/2008								
1220	Stone Floor Finishing Works	0%	NA	NA	22/7/2008	30/8/2008								
1221	Glass/Metal Balustrade Installation	0%	NA	NA	20/8/2008	12/9/2008								
1222	Miscellaneous Fitting-out work	0%	NA	NA	20/8/2008	19/9/2008								
1223	Ceiling Panel Installation	0%	NA	NA	13/9/2008	3/9/2008								
1224	For Area between Grid D and E	0%	NA	NA	5/8/2008	16/10/2008								
1225	Waterproofing Works	0%	NA	NA	5/8/2008	20/8/2008								
1226	Plastering & Screeding	0%	NA	NA	5/4/2008	2/9/2008								
1227	Skim coat of Ceiling/Walling	0%	NA	NA	5/8/2008	27/8/2008								

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Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3 Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1228	Painting	0%	NA	NA	28/8/2008	3/10/2008								
1229	Ceiling Grid Installation	0%	NA	NA	19/8/2008	4/10/2008								
1230	Smoke Curtain Installation	0%	NA	NA	28/8/2008	28/9/2008								
1231	Stone Wall Cladding / Tiling Works	0%	NA	NA	3/9/2008	9/10/2008								
1232	Stone Floor Finishing / Tiling Works	0%	NA	NA	3/9/2008	10/10/2008								
1233	Glass/Metal Balustrade Installation	0%	NA	NA	28/8/2008	20/9/2008								
1234	Miscellaneous Fitting-out work	0%	NA	NA	28/8/2008	27/9/2008								
1235	Ceiling Panel Installation	0%	NA	NA	19/8/2008	11/10/2008								
1236	For Area between Grid A and D / Grid 16 and 24	0%	NA	NA	17/8/2008	24/10/2008								
1237	Waterproofing Works for level 7 only	0%	NA	NA	17/8/2008	3/7/2008								
1238	Plastering & Screeding	0%	NA	NA	17/8/2008	18/7/2008								
1239	Skim coat of Column	0%	NA	NA	17/7/2008	2/8/2008								
1240	Ceiling Grid Installation	0%	NA	NA	4/8/2008	20/8/2008								
1241	Smoke Curtain Installation	0%	NA	NA	4/8/2008	1/9/2008								
1242	Stone Wall Cladding / Tiling Works	0%	NA	NA	16/9/2008	22/10/2008								
1243	Stone Floor Finishing / Tiling Works	0%	NA	NA	12/9/2008	24/10/2008								
1244	Miscellaneous Fitting Out Works for Hall	0%	NA	NA	4/8/2008	25/9/2008								
1245	Ceiling Panel Installation	0%	NA	NA	27/8/2008	13/9/2008								
1246	ABWF - Fitting and Fixtures	0%	NA	NA	15/8/2008	15/11/2008								
1247	Door frame & Door installation	0%	NA	NA	15/8/2008	13/11/2008								
1248	Ironmongery installation	0%	NA	NA	3/10/2008	19/11/2008								
1249	ABWF - Fitting and Fixtures	0%	NA	NA	2/10/2008	20/11/2008								
1250	Food Concession Fixtures	0%	NA	NA	12/12/2008	20/1/2009								
1251	Entrance Security Turnstiles	0%	NA	NA	12/12/2008	20/1/2009								
1252	Toilet/Shower Partitions for toilet	0%	NA	NA	2/10/2008	17/11/2008								
1253	Glazing / Mirrors	0%	NA	NA	31/10/2008	29/11/2008								
1254	Lockers & Benches	0%	NA	NA	31/10/2008	29/11/2008								
1255	ABWF - Signages	0%	NA	NA	16/8/2008	29/12/2008								
1256	Signage delivery & Installation	0%	NA	NA	16/8/2008	29/12/2008								
1257	ABWF - Shutter	0%	NA	NA	28/3/2008	25/9/2008								
1258	Subframe delivery and installation	0%	NA	NA	28/3/2008	10/7/2008								
1259	Fire shutter installation	0%	NA	NA	1/6/2008	6/9/2008								
1260	Reddon shutter installation	0%	NA	NA	1/7/2008	25/9/2008								
1261	ABWF - Post FS Inspection	0%	NA	NA	8/11/2008	14/1/2009								
1262	Suspended Ceiling (Final Fix)	0%	NA	NA	8/11/2008	12/12/2008								
1263	Carpeting	0%	NA	NA	8/12/2008	14/1/2009								
1264	Building Services Installation	0%	NA	NA	19/11/2007	7/3/2009								
1265	Major Plant Room Handover Summary	0%	NA	NA	1/3/2008	9/7/2008								
1266	Chiller Plant Room & Chiller Pump Room	0%	NA	NA	3/5/2008	3/6/2008								
1267	AHU Rooms (West Side)	0%	NA	NA	13/5/2008	13/5/2008								
1268	AHU Rooms (East Side)	0%	NA	NA	9/7/2008	9/7/2008								
1269	Smoke Extraction Fan Room	0%	NA	NA	20/5/2008	20/6/2008								
1270	M/F Main Switch Room	0%	NA	NA	13/5/2008	13/5/2008								
1271	B/F Main Switch Room	0%	NA	NA	9/6/2008	9/6/2008								
1272	Level 1 Gasé Trap & Pump Room	0%	NA	NA	1/5/2008	1/3/2008								
1273	Electrical (Riser duct, telecom closet at West side)	0%	NA	NA	3/4/2008	3/4/2008								
1274	Electrical (Riser duct, telecom closet at East side)	0%	NA	NA	15/5/2008	15/5/2008								
1275	Transformer Installation at Phase 2 (For sea water pump room)	0%	NA	NA	29/5/2007	28/2/2008								
1276	Plant room handover for work	0%	NA	NA	29/5/2007	28/6/2007								
1277	Modification work for structure	0%	NA	NA	29/5/2007	8/6/2007								
1278	Builder work for Transformer Room	0%	NA	NA	9/8/2007	2/10/2007								
1279	Handover of Transformer to HKE	0%	NA	NA	2/10/2007	2/10/2007								
1280	Electrical Cable Installation by HKE	0%	NA	NA	3/10/2007	2/1/2008								
1281	Engagement	0%	NA	NA	22/1/2008	26/2/2008								
1282	Power On	0%	NA	NA	26/2/2008	26/2/2008								
1283	Transformer Installation Grid D-E	0%	NA	NA	5/3/2008	18/3/2008								
1284	Builder's Works for HKE Transformer Room	0%	NA	NA	5/3/2008	5/5/2008								
1285	Builder's Works for Cable Draw Pit	0%	NA	NA	5/3/2008	26/4/2008								
1286	Handover of Transformer Room to HKE	0%	NA	NA	23/4/2008	21/5/2008								
1287	Handover of Transformer Room L3	0%	NA	NA	23/4/2008	23/4/2008								
1288	Handover of Transformer Room L6	0%	NA	NA	21/5/2008	21/5/2008								
1289	Transformer Installation by HKE	0%	NA	NA	24/4/2008	25/8/2008								
1290	Handover of Cable Draw Pit to HKE	0%	NA	NA	30/4/2008	21/5/2008								
1291	Vertical cable duct / Cable Draw for L3	0%	NA	NA	30/4/2008	30/4/2008								
1292	Vertical cable duct for L6	0%	NA	NA	21/5/2008	21/5/2008								
1293	Electrical Cable Installation by HKE	0%	NA	NA	9/5/2008	16/8/2008								
1294	Engagement	0%	NA	NA	30/7/2008	30/8/2008								
1295	Power On	0%	NA	NA	15/8/2008	15/8/2008								
1296	Lift and Escalator Installation	0%	NA	NA	2/9/2007	31/10/2008								
1297	Fireman's Lift (F1 to F4)	0%	NA	NA	10/3/2008	4/9/2008								
1298	Builder's Work In Lift Shafts (F1 & F3)	0%	NA	NA	10/3/2008	5/4/2008								








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Task  Progress  Summary  External Tasks  Group By Summary   
Critical Task  Milestone  Split  Project Summary  Baseline 1 

Hong Kong Convention and Exhibition Centre  
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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3 Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1299	Handover Lift Shafts	0%	NA	NA	5/4/2008	5/4/2008								
1300	Fireman's Lift Installation (F1 & F3)	0%	NA	NA	7/4/2008	31/5/2008								
1301	Builders Work in Lift Shafts (F2 & F4)	0%	NA	NA	2/5/2008	27/5/2008								
1302	Handover Lift Shafts	0%	NA	NA	27/5/2008	27/5/2008								
1303	Fireman's Lift Installation (F2 & F4)	0%	NA	NA	20/5/2008	21/7/2008								
1304	Submit Form 5	0%	NA	NA	21/7/2008	21/7/2008								
1305	EMSD Inspection	0%	NA	NA	1/8/2008	28/8/2008								
1306	Obtain Form 6	0%	NA	NA	4/9/2008	4/9/2008								
1307	Passengers Lift & Services Lift (P1 & P2, S1 & S2)	0%	NA	NA	10/3/2008	9/9/2008								
1308	Builders Work in Lift Shafts (P1 & P2)	0%	NA	NA	10/3/2008	9/4/2008								
1309	Handover Lift Shafts	0%	NA	NA	9/4/2008	9/4/2008								
1310	Passengers Lift Installation (P1 & P2)	0%	NA	NA	10/4/2008	5/5/2008								
1311	Builders Work in Lift Shafts & LMRs (S1 & S2)	0%	NA	NA	2/5/2008	30/5/2008								
1312	Handover Lift Shafts & LMR	0%	NA	NA	30/5/2008	30/5/2008								
1313	Services Lift Installation (S1 & S2)	0%	NA	NA	31/6/2008	24/7/2008								
1314	Submit Form 5	0%	NA	NA	24/7/2008	24/7/2008								
1315	EMSD Inspection	0%	NA	NA	8/8/2008	17/9/2008								
1316	Obtain Form 6	0%	NA	NA	5/9/2008	9/9/2008								
1317	Escalator & General System	0%	NA	NA	2/9/2007	31/10/2008								
1318	Relocation of Existing Escalator (E3 & E4)	0%	NA	NA	2/5/2007	7/6/2007								
1319	Submit Form 5	0%	NA	NA	7/5/2007	7/5/2007								
1320	EMSD Inspection	0%	NA	NA	6/6/2007	3/7/2007								
1321	Obtain Form 6	0%	NA	NA	3/7/2007	3/7/2007								
1322	Relocation of Existing Escalator (E1 & E2)	0%	NA	NA	25/5/2007	29/9/2007								
1323	Submit Form 5	0%	NA	NA	29/9/2007	29/9/2007								
1324	EMSD Inspection	0%	NA	NA	30/9/2007	25/7/2007								
1325	Obtain Form 6	0%	NA	NA	29/7/2007	25/7/2007								
1326	Builders Work in Escalator Pits (E5 to E10)	0%	NA	NA	28/9/2008	3/6/2008								
1327	Handover Escalator Pits	0%	NA	NA	3/5/2008	3/5/2008								
1328	Escalators Installation (E5 to E19)	0%	NA	NA	18/6/2008	9/8/2008								
1329	Submit Form 5	0%	NA	NA	9/8/2008	9/8/2008								
1330	EMSD Inspection	0%	NA	NA	25/8/2008	18/9/2008								
1331	Obtain Form 6	0%	NA	NA	18/9/2008	18/9/2008								
1332	Central Computerized LAE Monitoring Sys-1st Fix	0%	NA	NA	30/9/2008	11/9/2008								
1333	Central Computerized LAE Monitoring Sys- Fin Fix	0%	NA	NA	1/8/2008	28/8/2008								
1334	Testing & Commissioning	0%	NA	NA	29/8/2008	31/10/2008								
1335	Electrical Installation	0%	NA	NA	8/2/2007	6/11/2008								
1336	Area for Grid A1-A	0%	NA	NA	8/2/2007	20/9/2008								
1337	Modification of Electrical Sys. of Phase I & II	0%	NA	NA	21/4/2007	15/8/2007								
1338	Surface Cable Containment at BOH of Phase 1 & 2	0%	NA	NA	29/5/2007	13/10/2007								
1339	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	6/2/2007	16/2/2008								
1340	Electrical Installation - 1st Fix	0%	NA	NA	28/1/2008	26/5/2008								
1341	Electrical Installation - 2nd & Final Fix	0%	NA	NA	22/4/2008	20/9/2008								
1342	Lighting Installation	0%	NA	NA	8/8/2008	3/9/2008								
1343	Area for Grid A-D	0%	NA	NA	21/4/2007	14/10/2008								
1344	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	21/4/2007	25/4/2008								
1345	Electrical Installation - 1st Fix	0%	NA	NA	8/5/2008	23/7/2008								
1346	Electrical Installation - 2nd & Final Fix	0%	NA	NA	12/7/2008	14/10/2008								
1347	Lighting Installation	0%	NA	NA	5/8/2008	3/8/2008								
1348	Area for Grid D-E	0%	NA	NA	5/11/2008	6/11/2008								
1349	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	5/11/2008	18/3/2008								
1350	Electrical Installation - 1st Fix	0%	NA	NA	15/6/2008	30/9/2008								
1351	Electrical Installation - 2nd & Final Fix	0%	NA	NA	2/9/2008	3/11/2008								
1352	Lighting Installation	0%	NA	NA	7/11/2008	6/11/2008								
1353	Main Switch Room Installation	0%	NA	NA	4/7/2008	14/10/2008								
1354	Testing & Commissioning - Electrical Installation	0%	NA	NA	16/9/2008	22/10/2008								
1355	Fire Services Installation	0%	NA	NA	9/8/2007	29/11/2008								
1356	Area for Grid A1-A	0%	NA	NA	9/2/2007	6/6/2008								
1357	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	9/2/2007	8/3/2008								
1358	FS Installation - 1st Fix	0%	NA	NA	20/1/2008	28/5/2008								
1359	FS Installation - 2nd Fix	0%	NA	NA	23/4/2008	6/8/2008								
1360	Area for Grid A-D	0%	NA	NA	23/1/2008	26/9/2008								
1361	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	23/1/2008	6/4/2008								
1362	FS Installation - 1st Fix	0%	NA	NA	8/3/2008	23/7/2008								
1363	FS Installation - 2nd Fix	0%	NA	NA	27/8/2008	26/9/2008								
1364	Area for Grid D-E	0%	NA	NA	18/2/2008	30/9/2008								
1365	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	18/2/2008	30/4/2008								
1366	FS Installation - 1st Fix	0%	NA	NA	10/4/2008	31/7/2008								
1367	FS Installation - 2nd Fix	0%	NA	NA	30/6/2008	30/9/2008								
1368	Upgrading / Modification of FS Control Panel	0%	NA	NA	2/7/2008	30/9/2008								
1369	Testing & Commissioning - Fire Services	0%	NA	NA	18/7/2008	18/10/2008								

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Task:  Progress:  Summary:  External Tasks:  Group By Summary:   
Critical Task:  Milestone:  Split:  Project Summary:  Baseline 1: 

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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Month Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1370	From Submission	0%	NA	NA	16/3/2008	29/11/2008								
1371	Submit Form WWO46	0%	NA	NA	16/3/2008	16/6/2008								
1372	FS WA Inspection	0%	NA	NA	17/5/2008	30/5/2008								
1373	FS Water Certificate Obtained	0%	NA	NA	19/10/2008	15/10/2008								
1374	Submit Form 501	0%	NA	NA	15/10/2008	15/10/2008								
1375	FS Inspection/Re-Inspection	0%	NA	NA	25/10/2008	21/11/2008								
1376	Fire Certificate Obtained	0%	NA	NA	29/11/2008	29/11/2008								
1377	Plumbing and Drainage Installation	0%	NA	NA	9/2/2007	25/11/2008								
1378	Area for Grid A1-A	0%	NA	NA	9/3/2007	20/9/2008								
1379	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	8/3/2007	8/3/2008								
1380	P&D Installation - 1st Fix	0%	NA	NA	26/1/2009	26/5/2008								
1381	P&D Installation - 2nd Fix	0%	NA	NA	23/4/2008	6/8/2008								
1382	Sanitaryware, Fittings & Accessories Installation	0%	NA	NA	7/8/2008	20/9/2008								
1383	Area for Grid A-D	0%	NA	NA	23/12/2008	14/10/2008								
1384	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	23/12/2008	8/4/2008								
1385	P&D Installation - 1st Fix	0%	NA	NA	8/3/2008	23/7/2008								
1386	P&D Installation - 2nd Fix	0%	NA	NA	27/6/2008	12/9/2008								
1387	Sanitaryware, Fittings & Accessories Installation	0%	NA	NA	13/9/2008	14/10/2008								
1388	Area for Grid D-E	0%	NA	NA	18/2/2008	25/10/2008								
1389	Structural Cast-in Pipeworks & Sleeves	0%	NA	NA	18/2/2008	30/4/2008								
1390	P&D Installation - 1st Fix	0%	NA	NA	2/5/2008	18/8/2008								
1391	P&D Installation - 2nd Fix	0%	NA	NA	21/7/2008	30/9/2008								
1392	Sanitaryware, Fittings & Accessories Installation	0%	NA	NA	21/10/2008	25/10/2008								
1393	Pump Room Installations	0%	NA	NA	22/7/2008	23/9/2008								
1394	Testing & Commissioning	0%	NA	NA	2/8/2008	31/10/2008								
1395	From Submission	0%	NA	NA	27/10/2008	25/11/2008								
1396	Submit Form WWO46	0%	NA	NA	27/10/2008	27/10/2008								
1397	WA Inspection	0%	NA	NA	8/11/2008	8/11/2008								
1398	Water Certificate Obtained	0%	NA	NA	25/11/2008	25/11/2008								
1399	DDO Completion Advice	0%	NA	NA	8/11/2008	8/11/2008								
1400	Town Gas	0%	NA	NA	26/2/2008	18/6/2008								
1401	Pipework Installation	0%	NA	NA	25/2/2008	18/6/2008								
1402	Heating / Ventilation and Air-Condition Installation	0%	NA	NA	9/2/2007	23/11/2008								
1403	Sea Water System	0%	NA	NA	5/12/2007	5/5/2008								
1404	Upgrade the Phase 2 sea water pump house	0%	NA	NA	5/12/2007	3/4/2008								
1405	Testing & Commissioning	0%	NA	NA	4/4/2008	5/5/2008								
1406	Area for Grid A1-A	0%	NA	NA	9/2/2007	21/8/2008								
1407	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	9/2/2007	8/3/2008								
1408	HVAC - 1st Fix	0%	NA	NA	28/1/2008	28/5/2008								
1409	HVAC - 2nd Fix	0%	NA	NA	23/4/2008	6/8/2008								
1410	AHU / Fan Room Installation	0%	NA	NA	30/5/2008	21/8/2008								
1411	Area for Grid A-D	0%	NA	NA	23/1/2008	15/9/2008								
1412	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	23/1/2008	8/4/2008								
1413	HVAC - 1st Fix	0%	NA	NA	26/2/2008	11/7/2008								
1414	HVAC - 2nd Fix	0%	NA	NA	14/8/2008	15/8/2008								
1415	Area for Grid D-E	0%	NA	NA	18/2/2008	11/10/2008								
1416	Structural Cast-in Conduit, Sleeves & Conduit	0%	NA	NA	18/2/2008	30/4/2008								
1417	HVAC - 1st Fix	0%	NA	NA	10/4/2008	30/7/2008								
1418	HVAC - 2nd Fix	0%	NA	NA	30/6/2008	30/9/2008								
1419	AHU / Fan Room Installation	0%	NA	NA	15/7/2008	30/9/2008								
1420	Sea water chiller pipes (4nos) from HKCEC Phase 2	0%	NA	NA	4/4/2008	18/7/2008								
1421	Chiller Plant Installation	0%	NA	NA	3/5/2008	15/8/2008								
1422	Testing & Commissioning	0%	NA	NA	15/7/2008	11/10/2008								
1423	Form Submission	0%	NA	NA	15/10/2008	29/11/2008								
1424	Submit Form 501 (Ventilation)	0%	NA	NA	15/10/2008	15/10/2008								
1425	FS Inspection/Re-Inspection	0%	NA	NA	28/10/2008	21/11/2008								
1426	Fire Certificate Obtained (Ventilation)	0%	NA	NA	29/11/2008	29/11/2008								
1427	SMARTV System and Public Address System	0%	NA	NA	19/12/2007	19/12/2008								
1428	Relocation of Existing SMA System	0%	NA	NA	1/3/2007	31/5/2007								
1429	Diversin & Modification of Sys Cable link Up PHA2	0%	NA	NA	18/12/2007	30/9/2007								
1430	SMARTV System - Cabling	0%	NA	NA	2/8/2008	18/10/2008								
1431	SMARTV System - Installation	0%	NA	NA	4/10/2008	15/11/2008								
1432	Public Address System - Cabling	0%	NA	NA	23/8/2008	31/1/2008								
1433	Public Address System - Installation	0%	NA	NA	21/10/2008	24/11/2008								
1434	Structural Cabling System - Cabling	0%	NA	NA	23/8/2008	3/11/2008								
1435	Structural Cabling System - Installation	0%	NA	NA	23/10/2008	13/12/2008								
1436	PABX System - Cabling	0%	NA	NA	23/8/2008	4/10/2008								
1437	PABX System - Installation	0%	NA	NA	24/10/2008	3/12/2008								
1438	Testing & Commissioning	0%	NA	NA	15/11/2008	18/12/2008								
1439	Burglar Alarm and Security Installation	0%	NA	NA	19/12/2007	4/1/2008								
1440	Diversin & Modification of System Cable link up P1 & 2	0%	NA	NA	19/12/2007	12/5/2007								

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Task  Progress  Summary  External Tasks  Group By Summary   
Critical Task  Milestone  Split  Project Summary  Baseline 1 

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ID	Task Name	% Complete	Actual Start	Actual Finish	Baseline1 Start	Baseline1 Finish	3Months Rolling	Jan	Feb	Mar	Apr	May	Jun	Jul
1441	Rearrangement of Security Console	0%	NA	NA	1/8/2007	30/10/2007								
1442	Point Monitoring & Access Control Sys - Cabling	0%	NA	NA	2/8/2008	3/10/2009								
1443	Point Monitoring & Access Control Sys Installation	0%	NA	NA	18/9/2008	18/10/2009								
1444	Card Access Control System - Cabling	0%	NA	NA	2/8/2008	18/10/2008								
1445	Card Access Control System - Installation	0%	NA	NA	4/11/2008	3/11/2009								
1446	Closed Circuit Television System - Cabling	0%	NA	NA	12/8/2008	18/10/2009								
1447	Closed Circuit Television System - Installation	0%	NA	NA	4/10/2008	1/11/2009								
1448	Watchman Tour Installation	0%	NA	NA	16/9/2008	3/11/2009								
1449	2-Way Radio Communication - Cabling	0%	NA	NA	2/8/2008	3/10/2009								
1450	2-Way Radio Communication - Installation	0%	NA	NA	16/9/2008	18/10/2009								
1451	Testing & Commissioning	0%	NA	NA	14/10/2008	4/12/2008								
1452	Emergency Generation Installation	0%	NA	NA	24/8/2008	23/9/2009								
1453	Emergency Generator Installation	0%	NA	NA	24/8/2008	23/9/2009								
1454	Testing & Commissioning	0%	NA	NA	25/9/2008	23/9/2009								
1455	Gondola / Window Cleaning Equipment	0%	NA	NA	25/9/2008	17/11/2009								
1456	Gondola/Window Cleaning Equip.- Railing	0%	NA	NA	26/9/2008	31/7/2009								
1457	Gondola/Window Cleaning Equip.- Installation	0%	NA	NA	1/8/2009	23/9/2009								
1458	Testing & Commissioning	0%	NA	NA	14/10/2008	17/11/2009								
1459	External Works	0%	NA	NA	31/8/2007	7/3/2009								
1460	Underground Services Construction	0%	NA	NA	31/8/2007	5/12/2007								
1461	Fit-Out for Roof Garden & Roof Area	0%	NA	NA	24/9/2008	2/9/2009								
1462	Construct Pedestrian Ways, Ext. Areas & Steps	0%	NA	NA	16/7/2008	30/9/2009								
1463	Ancillary Structures Construction	0%	NA	NA	16/7/2008	24/9/2009								
1464	Planters Construction	0%	NA	NA	2/10/2008	17/11/2009								
1465	External Wall Finishes	0%	NA	NA	16/11/2008	6/12/2009								
1466	External Ceiling Works	0%	NA	NA	16/11/2008	22/12/2009								
1467	External Flooring	0%	NA	NA	16/11/2008	16/12/2009								
1468	External Staircase Finishes Works	0%	NA	NA	3/12/2008	16/12/2009								
1469	Fencing, Railing & Sundry Metal Works	0%	NA	NA	17/12/2008	24/2/2009								
1470	Landscaping Softworks	0%	NA	NA	17/12/2008	7/3/2009								
1471	Building Services Installation	0%	NA	NA	16/7/2009	21/2/2009								
1472	Handover and Inspection	0%	NA	NA	16/11/2009	11/3/2009								
1473	Final Handover Inspection	0%	NA	NA	16/11/2009	11/12/2009								
1474	Section 1- Completion of the ALE Structure	0%	NA	NA	29/11/2009	30/11/2009								
1475	Clearance of remaining works	0%	NA	NA	1/12/2009	1/12/2009								