ENVIRONMENTAL MONITORING & AUDIT REPORT

Hip Hing - Ngo Kee Joint Venture

Hong Kong Convention and Exhibition Centre Expansion Project: Monthly Environmental Monitoring and Audit Report for February 2008

March 2008

Environmental Resources Management

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Hong Kong Convention and Exhibition Centre Expansion Project: Monthly Environmental Monitoring and Audit Report for February 2008

March 2008

Reference 0050690

For and on behalf of
Environmental Resources Management
Approved by Dr Andrew Jackson
Signed:
Position: <u>Managing Director</u>
Certified by:
(Environmental Team Leader – Marcus Ip)
Date:14 March 2008

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.

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NATURE & TECHNOLOGIES (HK) LIMITED 科技環保(香港)有限公司

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Our Ref: 3.16/014/2006/it

13 March 2008

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 2008 (Environmental Permit No. EP-239/2006/A)

With reference to the captioned document concerning the Monthly EM&A report for February 2008 received from ERM dated 12 March 2008, 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 nineteenth monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 to 29 February 2008 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting month

The major construction works undertaken during the reporting month included the installation of transfer truss, roof truss A, B, C and D assembly, the construction works of the transformer room, sea water pump house builder work, additional slab at L5 and L7 and the removal of existing L2 slab.

Environmental Monitoring and Audit Progress A summary of the monitoring activities in this reporting month is listed below: 24-hour Total Suspended Particulates (TSP) monitoring 5 sets 1-hour TSP monitoring 15 sets

1-nour 15P monitoring	15 sets
Environmental site auditing	4 times

Air Quality

Five sets of 24-hour and 15 sets of 1-hour TSP monitoring were carried out at the designated monitoring stations (AM1 & AM2) during the reporting month. There were no exceedances recorded during the reporting month.

Water Quality

Water quality monitoring at the designated monitoring stations (W3, W4 and W5) was not conducted during the reporting month subsequent to the completion of installation of marine piles on 23 April 2007. Additional water quality monitoring for the dry season was also completed on 14 December 2007. There will not be any water quality monitoring until the next dry season or the removal of temporary marine piles, whichever is earlier.

Construction Waste Management

The major construction activities undertaken in the reporting month were installation of transfer truss, roof truss A, B, C and D assembly, the construction works of the transformer room, sea water pump house builder work, additional slab at L5 and L7 and the removal of existing L2 slab.

A total of 1,034 tonnes of inert C&D materials and 206.16 tonnes of C&D wastes were generated during the reporting month. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 Fill Bank and the public fill barging point at Quarry Bay respectively.

Environmental Site Auditing

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 month.

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

Future Key Issues

Major works to be undertaken in the coming month are transfer truss installation, roof truss C and D assembly, L1 slab construction at the transformer room, sea water pump house building work and the removal of existing L2 slab.

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

1 INTRODUCTION

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

1.1 PURPOSE OF THE REPORT

This is the nineteenth EM&A report which summarises the impact monitoring results and audit findings of the EM&A programme during the reporting month from **1 February 2008** to **29 February 2008**.

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

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

Section 3 : Environmental Monitoring Requirement

summarises 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** summarises the implementation of environmental protection measures during the reporting month.

Section 5: Monitoring Results

summarises the monitoring results obtained in the reporting month.

Section 6 : **Environmental Site Auditing** summarises the audit findings of the weekly site inspections undertaken within the reporting month.

Section 7: Environmental Non-conformance

summarises any environmental exceedance, environmental complaints and environmental summons received within the reporting month.

Section 8 : Future Key Issues

summarises 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 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 and its supplement 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 month is shown in *Table 2.1*. The locations of the construction activities are shown in *Annex B*.

Table 2.1Summary of Construction Activities Undertaken during the Reporting Month

Co	onstruction Activities Undertaken
•	Transfer Truss Installation
•	Roof Truss A Assembly
•	Roof Truss B Assembly

- Roof Truss C Assembly
- Roof Truss D Assembly
- Construction works for Transformer Room
- Sea Water Pump House Builder Work
- Additional Slab at L5 and L7
- Removal of Existing L2 Slab

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 2.2Summary of Environmental Licensing, Notification and Permit Status

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	EP-239/2006/A	Throughout the Contract	Environmental Permit (EP) EP-239/2006 granted originally on 12 May 2006 but superseded by revised EP issued 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	-

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Chemical Waste Producer Registration	WPN5213-134-H3125- 01	N/A	Chemical waste types: spent paint, acid, alkaline, adhesive, diesel fuel, lubricating oil and bitumen.
Valid Construction Noise Permit for area inside the Atrium Link	GW-RS0692-07	Valid from 31 October 2007 to 31 January 2008	
	GW-RS0667-07	Valid from 16 October 2007 to 15 April 2008	
	GW-RS0674-07	Valid from 1 November 2007 to 30 April 2008	
	GW-RS0691-07	Valid from 30 April 2007 to 30 April 2008	
	GW-RS0766-07	Valid from 30 November 2007 to 29 February 2008	
	GW-RS0029-08	Valid from 31 January 2008 to 28 June 2008	
	GW-RS0086-08	Valid from 29 February to 30 June 2008.	
	GW-RS0087-08	Valid from 29 February to 30 June 2008	

3 ENVIRONMENTAL MONITORING METHODOLOGY

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 3.1Air 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 3.2TSP 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 3.3Action and Limit Levels for Air Quality

Parameter	Air Monitoring Station	Action Level, µg/m ³	Limit Level, µg/m³
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 summarises the equipment that was used in the 24-hour and 1-hour TSP monitoring.

Table 3.4TSP 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 HVS's 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 HVS's were free-standing with no obstruction.

The following criteria were considered in the installation of the HVS's:

- 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 ± 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 HVS's 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 HVS's were warmed-up for about 5 minutes to establish runtemperature conditions;
- a new flowrate record sheet was set into the flow recorder;
- the flow rate of the HVS's was checked and adjust at around 0.6 -1.44 m³/min. The range specified in the EM&A Manual was between 0.6 1.7 m³/min;
- the programmable timer was set for a sampling period of 24 hours ± 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 HVS's 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 HVS's using Tisch TE-5025 A Calibration Kit. The calibration records for the HVS's are given in *Annex F*.

3.1.7 Event Action Plan

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

3.2 WATER QUALITY MONITORING

3.2.1 Water Quality Monitoring

In accordance with the EM&A Manual, the marine water quality monitoring should be conducted at three designated monitoring stations during the installation and removal of temporary marine piles. The installation of temporary marine piles was completed on 23 April 2007 and therefore water quality monitoring for marine pile installation works was not conducted during the reporting month.

3.2.2 Additional Water Quality Monitoring

As part of the Application for Variation of Environmental Permit (Application No. VEP-227/2007) submitted on 25 January 2007, the Permit Holder undertook additional water quality monitoring in the marine channel in connection with the installation of temporary marine piles.

The installation of temporary marine piles was completed on 23 April 2007 and four weeks of additional water quality monitoring was also completed on 21 May 2007 after the completion of marine piling works. In accordance with the additional water quality programme submitted to the EPD on 4 April 2007, four weeks of additional water quality monitoring during the dry season was undertaken and was completed on 14 December 2007. There will not be any water quality monitoring until the next dry season or the removal of temporary marine piles, whichever is earlier.

3.2.3 Event/Action Plan

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

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

(1) The last Monthly EM&A Report for January 2008 was submitted to the EPD on 18 February 2008.

5.1 AIR QUALITY

The monitoring data at AM1 and AM2 were provided by ETS-Testconsult Ltd. Five sets of 24-hour and15 sets of 1-hour TSP monitoring were carried out at the designated monitoring stations (AM1 & AM2) during the reporting month. 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 at the web-site (http://www.hkcecema.com/index.html).

The weather condition during the monitoring period was sunny. 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 for marine pile installation works was not conducted during the reporting month at the designated monitoring stations (W3, W4 and W5) subsequent to the completion of installation of marine piles on 23 April 2007.

5.3 WASTE MANAGEMENT

Waste generated from this Project includes inert construction and demolition (C&D) materials and non-inert C&D wastes. Reference has been made on the Monthly Summary Waste Flow Table prepared by Hip Hing – Ngo Kee Joint Venture (*Annex J*). 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 summarised in *Table 5.1*. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 Fill Bank and the public fill barging point at Quarry Bay respectively.

Table 5.1Quantities of Waste Generated from the Project

	Quantity		
Month / Year	C&D Materials (inert) (a)	C&D Materials (non-inert) ^{b)}	Chemical Waste
February 2008	1,034 tonnes	206.2 tonnes	0
		(excluding 30 tonnes of steel	
		materials which were collected	
		and recycled)	

Quantity

Notes:

- (a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil. No inert C&D material was reused in this Project during the reporting period. 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. The C&D wastes other than general refuse were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility.

ENVIRONMENTAL SITE AUDITING

Weekly site inspections were carried out by the ET. Four site inspections were conducted on 6, 14, 21 and 28 February 2008. There was no non-compliance event recorded in the reporting month.

During the site inspections, only reminders to the Contractor on arranging collection of waste and avoidance of over-filling the waste skips were issued and no observations were made.

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. Two water samples at Discharge Point 2 and Discharge Point 3 were taken on 13 December 2007 with the results reported in the Monthly EM&A Report for December 2007. The next sampling is scheduled to be conducted in March 2008.

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. Landscape and visual mitigation measures were implemented by the Contractor with the implementation status is given in *Annex I*.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 SUMMARY OF ENVIRONMENTAL EXCEEDANCE

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

7.2 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

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

7.3 SUMMARY OF ENVIRONMENTAL COMPLAINT

No complaint was received during the reporting month.

7.4 SUMMARY OF ENVIRONMENTAL SUMMONS AND PROSECUTION

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

8 FUTURE KEY ISSUES

8.1 KEY ISSUES FOR THE COMING MONTH

Works to be carried out for the coming monitoring period are summarised in *Table 8.1*.

Table 8.1Construction Works to be Undertaken in the Coming Month

Work to be taken

- Transfer Truss Installation
- Roof Truss C Assembly
- Roof Truss D Assembly
- L1 slab construction at Transformer Room
- Sea Water Pump House Builder Work
- Removal of Existing L2 Slab

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 next month is presented in *Annex E*. The environmental monitoring will be conducted at the same monitoring locations as those for this reporting month.

The installation of temporary marine piles was completed on 23 April 2007 and four weeks of additional water quality monitoring was also completed on 21 May 2007 after the completion of marine piling works. Four weeks of additional water quality for the dry season commenced on 19 November 2007 and was completed on 14 December 2007. There will not be any water quality monitoring until the next dry season or the removal of temporary marine piles, whichever is earlier.

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

9.1 AIR QUALITY

9

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 9.1Comparison of the HKAQO and Air Quality Monitoring Results

Monitoring Stations	Corresponding ASR in EIA	HKAQO, ug/m ³	Measured 24-hour TSP Monitoring Results, ug/m ^{3 (2)}	
		24 hour ⁽¹⁾	Average	Range
AM1	AM8	260	81	23 - 145
AM2	AM6	260	73	14 - 145
Remarks [.]				

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

⁽²⁾ Average and range of data were calculated for the period of monitoring between August 2006 and the reporting month.

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

9.2 WASTE MANAGEMENT

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

Table 9.2Comparison of the Estimated and 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 ⁽¹⁾ (inert & non-inert)
Demolition of temporary	585 tonnes	0
footbridge		
Demolition of existing Atrium	4,680 tonnes	2,499.5 tonnes
Link		
Demolition of temporary	390 tonnes	0
working platform		
Construction of foundations and	20,000 tonnes	20,313.5 tonnes
pile caps		
General Refuse	Insignificant	1,076.4 tonnes
Chemical Waste	Small	288 Litres
Remark:		
(1) The actual amount of C&D Ma	aterials was recorded since the cor	nmencement of constructi
works.		

9.3 CONCLUSION OF REVIEW

The EIA predictions and the monitoring results during the reporting month 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 work undertaken during the period from 1 February to 29 February 2008 in accordance with EM&A Manual and the requirements under EP-239/2006/A.

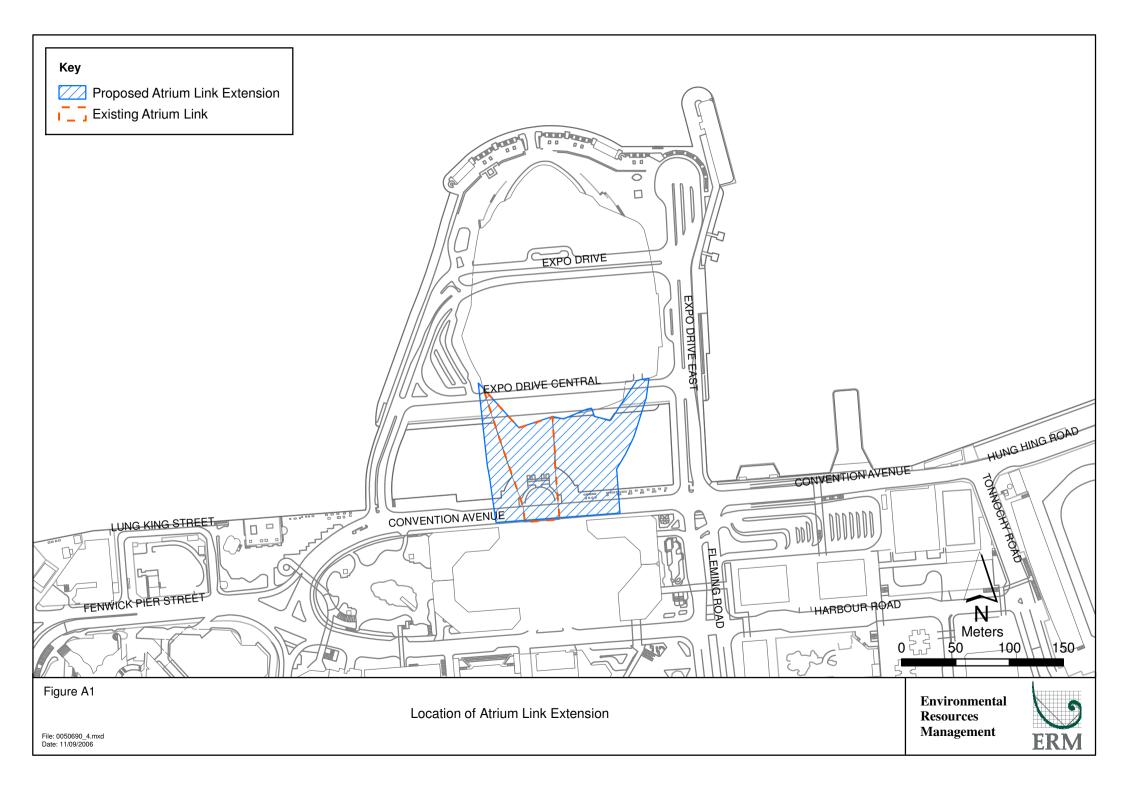
No exceedance of the Action and Limit Levels of 24-hour and 1-hour TSP was recorded at the monitoring stations during the reporting month.

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

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

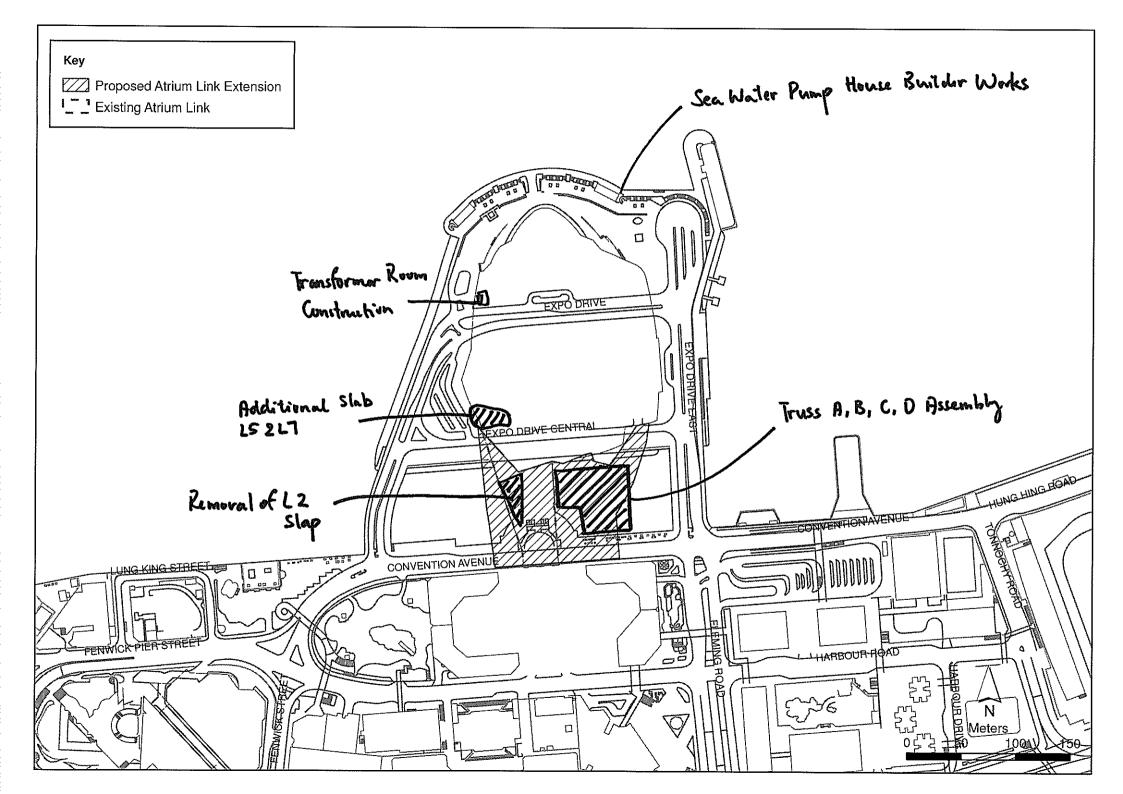
The ET will keep track of the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures. Annex A

Locations of Works Areas



Annex B

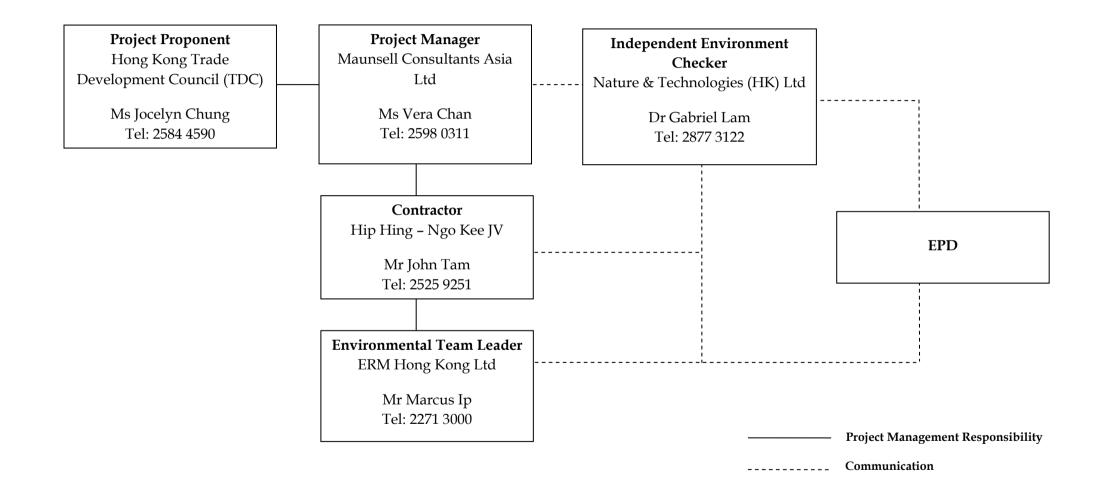
Location of Construction Activities during the Reporting Month



Annex C

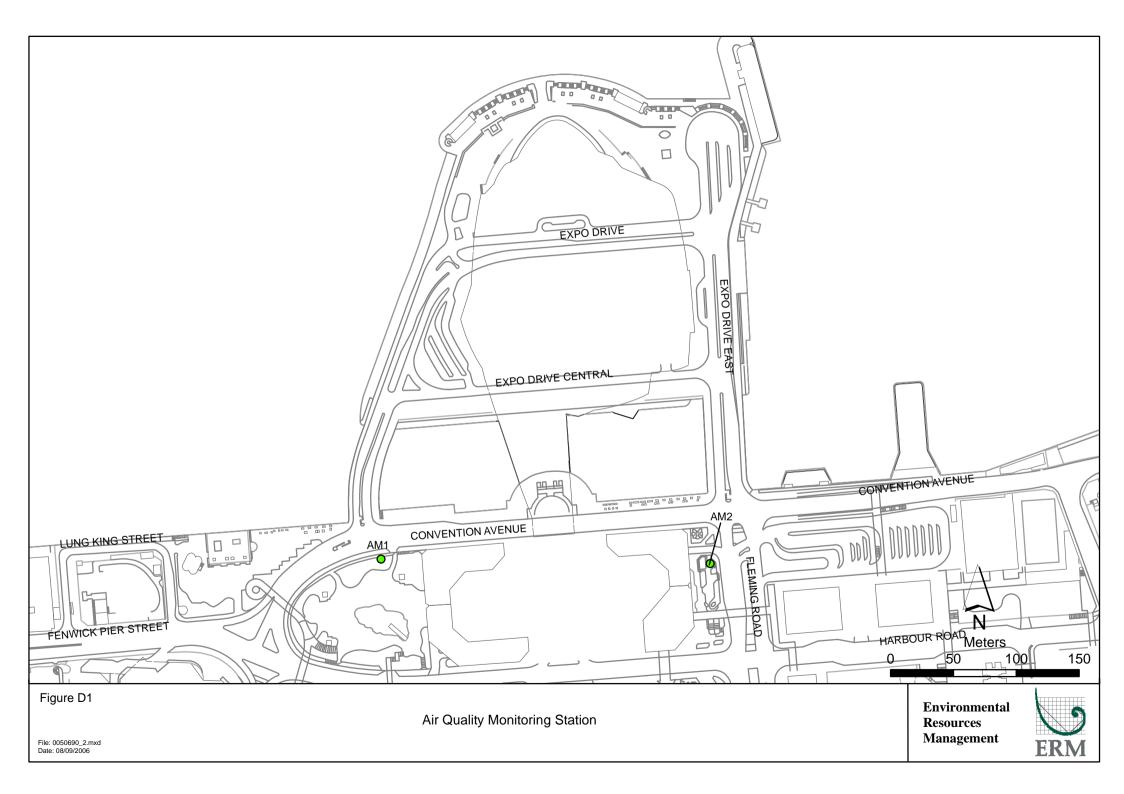
Project Organization Chart and Contact Detail

Project Organization (with contact details)



Annex D

Location of Air Quality Monitoring Stations





Air Quality Monitoring Station (AM1)



Air Quality Monitoring Station (AM2)

Annex E

Monitoring Schedule for the Reporting Month and Next Month

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Air Quality Monitoring Schedule - February 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Feb	2-Feb
					1 hr TSP	
3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb
	1 hr TSP		1 hr TSP x 2 24 hr TSP			
10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb
	1 hr TSP	1 hr and 24 hr TSP	1 hr TSP		1 hr TSP	
17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb
	1 hr and 24 hr TSP		1 hr TSP		1 hr TSP	1 hr and 24 hr TSP
24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	29-Feb	
	1 hr TSP		1 hr TSP		1 hr and 24 hr TSP	

Hong Kong Convention and Exhibition Centre, Atrium Link Extension Air Quality Monitoring Schedule - March 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar
	1 hr TSP		1 hr TSP	1 hr and 24 hr TSP	1 hr TSP	
9-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar
	1 hr TSP		1 hr and 24 hr TSP		1 hr TSP	
16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar
	1 hr TSP	1 hr and 24 hr TSP	1 hr TSP	1 hr TSP		
23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar	29-Mar
		1 hr and 24 hr TSP	1 hr TSP		1 hr TSP	
30-Mar	31-Mar					
	1 hr and 24 hr TSP					

Annex F

Calibration Reports for HVSs



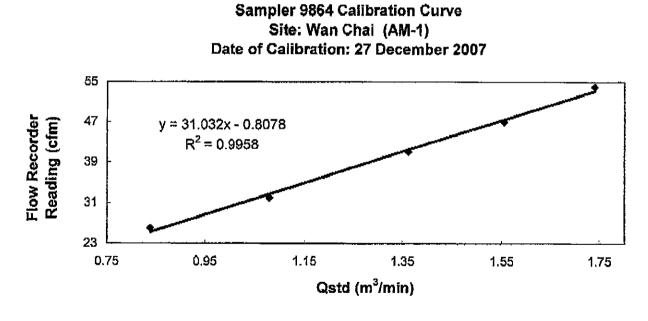
東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED 8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Folan, Hong Kong Tel: 2695 8318 E-mail : ett@ets-testconsult.com Fax: 2695 3944 Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of <u>High Volume Air Sampler</u>

Manufacturer	:	Graseby GMW	Date of Calibra	ation	:	27 D	ecember	2007				
Serial No.	:	9864 (ET/EA/003/19)	Calibration Due	e Date	:	26 Fe	ebruary 20	007				
Method	:	Based on Operations Manual for the manufactured by Tisch TE-5025 A	Based on Operations Manual for the 5-point calibration using standard calibration kit nanufactured by Tisch TE-5025 A									
Results	:	Flow recorder reading (cfm)	54	47		41	32	26				
		Qstd (Actual flow rate, m ³ /min)	1.74	1.55		1.36	1.08	0.84				

764.31 mm Hg



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 : <u>Muk (ka titaa</u> Mak Kei Wai (Senior Technician)

Pressure :

Approved by T. CHOW (Asst. Environmental Officer)

κ

293

Temp. :



Fax : 2695 3944

Pressure :

東業徳勤測試顧問有限公司 ETS-TESTCONSULT LIMITED

8/F. Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong Tei : 2695 8318 E-mail : etl@ets-testconsult.com

Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of <u>High Volume Air Sampler</u>

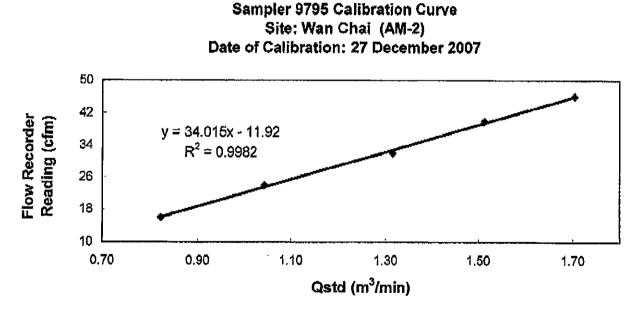
Manufacturer	:	Graseby GMW	Date of Calibra	ation	:	<u>27 D</u>	ecember (2007					
Serial No.	;	9795 (ET/EA/003/18)	Calibration Du	e Date	;	26 Fe	bruary 20	08					
Method	:	Based on Operations Manual for the manufactured by Tisch TE-5025 A	ased on Operations Manual for the 5-point calibration using standard calibration kit nanufactured by Tisch TE-5025 A										
Results	:	Flow recorder reading (cfm)	46	40	Ι.	32	24	16					
		Qstd (Actual flow rate, m ³ /min)	1.70	1.51		1.31	1.04	0.82					

764.31 mm Hg

Temp. :

293

κ



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 : <u>Hala Stri Wai</u> Mak Kei Wai (Senior Technician)

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



東業德勤測試顧問有限公司 ETS-TESTCONSULT LIMITED 8/f., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong Tel: 2695 8318 E-mail: etl@ets-testconsult.com Fax: 2695 3944 Web site: www.ets-testconsult.com

TEST REPORT

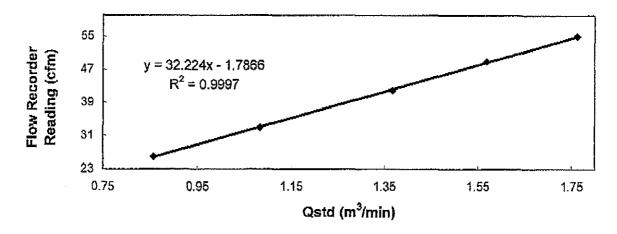
Calibration Report

of

High Volume Air Sampler

Manufacturer	:	Graseby GMW	Date of Calib	oration	: _	27 F	ebruary 20	08
Serial No.	;	9864 (ET/EA/003/19)	Calibration D)ue Date	; _	26 A	pril 2008	
Method	:	Based on Operations Manual for the 5 manufactured by Tisch TE-5025 A	-point calibra	tion using:	stand	ard c	alibration)	<it< th=""></it<>
Results	:	Flow recorder reading (cfm)	55	49	4	2	33	26
		Qstd (Actual flow rate, m³/min)	1.76	1.57	1.	37	1.08	0.86
		Pressure : 770.31 mm H	ła	Temp. :	2	93	к	

Sampler 9864 Calibration Curve Site: Wan Chai (AM-1) Date of Calibration: 27 February 2008



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 : \mathcal{C} LI Wan Lung (Technician)

Approved by T. CHOW H.

(Asst. Environmental Officer)



東 業 德 勤 測 試 顧 間 有 限 公 司 ETS-TESTCONSULT LIMITED 8/F., Block B. Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong Tel : 2695 8318 E-mail : etl@ets-lestconsult.com Fax : 2695 3944 Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report

of

High Volume Air Sampler

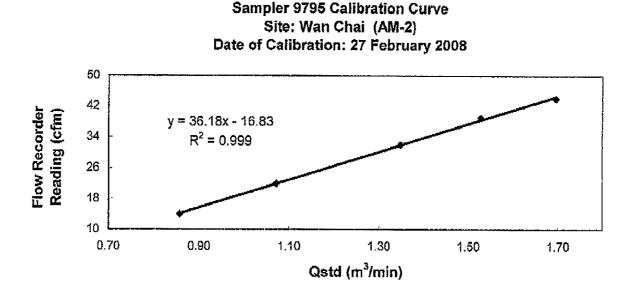
Manufacturer	:	Graseby GMW	Date of Calibr	ation	:	<u>27 Fe</u>	ebruary 20	008	-			
Serial No.	:	9795 (ET/EA/003/18)	Calibration Du	le Date	:	26 Aj	oril 2008		-			
Method	:	Based on Operations Manual for the manufactured by Tisch TE-5025 A	Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A									
Results	:	Flow recorder reading (cfm)	44	39		32	22	14				
		Qstd (Actual flow rate, m ³ /min)	1.70	1.53		1.35	1.07	0.86				

770.31 mm Hg

Temp. :

293

κ



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 LI Wan Lung (Technician)

Pressure :

Approved by ቸ. Η. CHOW

(Asst. Environmental Officer)

Annex G

24-hour and 1-hour TSP Monitoring Results

24-hour TSP Monitoring Results

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

Date	Filter W	/eight (g)	Flow Rate	(m ³ /min.)	Elaps	e Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
06-Feb-08	2.7753	2.8989	1.0572	1.0572	13033.42	13057.42	24.0	81	Sunny	11	0.1236	1.06	1522.4
12-Feb-08	2.8103	2.9739	1.0250	1.0250	13059.42	13083.42	24.0	111	Sunny	11	0.1636	1.03	1476.0
18-Feb-08	2.8443	3.0152	1.0572	1.0572	13086.41	13110.41	24.0	112	Sunny	16	0.1709	1.06	1522.4
23-Feb-08	2.8581	3.0070	1.0250	1.0250	13113.41	13137.41	24.0	101	Rainy	18	0.1489	1.03	1476.0
29-Feb-08	2.8490	3.0176	1.0485	1.0485	13140.41	13164.41	24.0	112	Sunny	15	0.1686	1.05	1509.8
<u>. </u>							Min	81					
							Max	112					
							Average	103					

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

Date	Filter W	/eight (g)	Flow Rate	(m ³ /min.)	Elaps	e Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
06-Feb-08	2.8007	2.9592	1.3206	1.3206	11361.72	11385.72	24.0	83	Sunny	11	0.1585	1.32	1901.7
12-Feb-08	2.8722	3.0520	1.2912	1.2912	11387.72	11411.72	24.0	97	Sunny	11	0.1798	1.29	1859.3
18-Feb-08	2.8639	3.0562	1.2912	1.2912	11414.72	11438.72	24.0	103	Sunny	16	0.1923	1.29	1859.3
23-Feb-08	2.8679	3.0281	1.3500	1.3500	11441.71	11465.71	24.0	82	Rainy	18	0.1602	1.35	1944.0
29-Feb-08	2.8192	3.0516	1.2391	1.2391	11468.71	11492.71	24.0	130	Sunny	15	0.2324	1.24	1784.3
							Min	82					
							Max	130					
							Average	99					

1-hour TSP Monitoring Results

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

Date	Filter W	/eight (g)	Flow Rate	(m ³ /min.)	Elaps	e Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
01-Feb-08	2.7789	2.7878	1.0572	1.0572	13029.42	13030.42	1.00	140	Sunny	11	0.0089	1.0572	63.43
04-Feb-08	2.8248	2.8328	1.0572	1.0572	13030.42	13031.42	1.00	126	Rainy	12	0.0080	1.0572	63.43
06-Feb-08	2.8089	2.8143	1.0250	1.0250	13031.42	13032.42	1.00	88	Sunny	11	0.0054	1.0250	61.50
06-Feb-08	2.7896	2.7963	1.0250	1.0250	13032.42	13033.42	1.00	109	Sunny	11	0.0067	1.0250	61.50
11-Feb-08	2.8064	2.8140	1.0250	1.0250	13057.42	13058.42	1.00	124	Sunny	11	0.0076	1.0250	61.50
12-Feb-08	2.7960	2.8059	1.0250	1.0250	13058.42	13059.42	1.00	161	Sunny	11	0.0099	1.0250	61.50
13-Feb-08	2.8279	2.8377	1.0250	1.0250	13083.42	13084.42	1.00	159	Sunny	12	0.0098	1.0250	61.50
15-Feb-08	2.8255	2.8355	1.0250	1.0250	13084.42	13085.42	1.00	163	Rainy	13	0.0100	1.0250	61.50
18-Feb-08	2.8157	2.8248	1.0572	1.0572	13085.42	13086.41	0.99	145	Sunny	16	0.0091	1.0572	62.80
20-Feb-08	2.8719	2.8812	1.0572	1.0572	13110.41	13111.41	1.00	147	Sunny	15	0.0093	1.0572	63.43
22-Feb-08	2.9096	2.9201	1.0250	1.0250	13111.41	13112.41	1.00	171	Rainy	18	0.0105	1.0250	61.50
23-Feb-08	2.8276	2.8382	1.0250	1.0250	13112.41	13113.41	1.00	172	Rainy	18	0.0106	1.0250	61.50
25-Feb-08	2.8546	2.8648	1.0250	1.0250	13137.41	13138.41	1.00	166	Sunny	15	0.0102	1.0250	61.50
27-Feb-08	2.8721	2.8825	1.0175	1.0175	13138.41	13139.41	1.00	170	Sunny	13	0.0104	1.0175	61.05
29-Feb-08	2.8021	2.8138	1.0485	1.0485	13139.41	13140.41	1.00	186	Sunny	15	0.0117	1.0485	62.91
							Min	88					
							Max	186					
							Average	148					

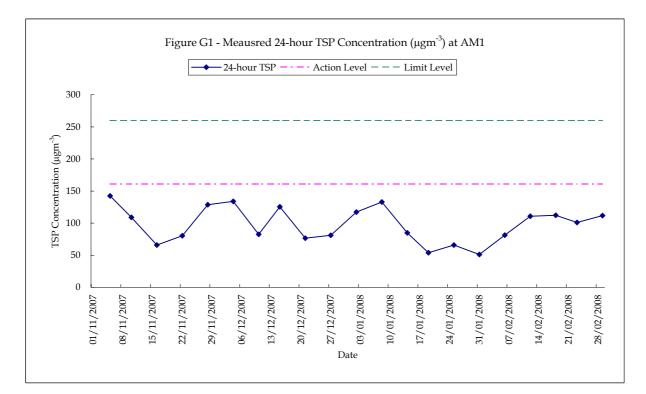
1-hour TSP Monitoring Results at Station AM2 (Nearby Renaissance Harbour View Hotel)

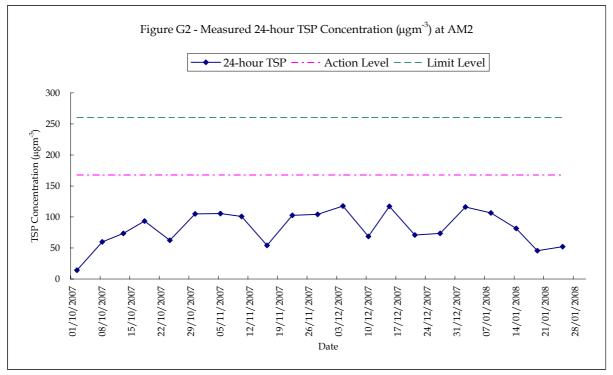
Date	Filter W	/eight (g)	Flow Rate	(m ³ /min.)	Elaps	e Time	Sampling	Conc.	Weather	Ave. Air	Particulate	Av. flow	Total vol.
	Initial	Final	Initial	Final	Initial	Final	Time(hrs.)	(µg/m ³)	Condition	Temp. (°C)	weight(g)	(m ³ /min)	(m ³)
01-Feb-08	2.8122	2.8203	1.2324	1.2324	11357.72	11358.72	1.00	110	Sunny	11	0.0081	1.2324	73.94
04-Feb-08	2.8186	2.8298	1.2618	1.2618	11358.72	11359.72	1.00	148	Rainy	12	0.0112	1.2618	75.71
06-Feb-08	2.7963	2.8008	1.2618	1.2618	11359.72	11360.72	1.00	59	Sunny	11	0.0045	1.2618	75.71
06-Feb-08	2.7975	2.8060	1.2912	1.2912	11360.72	11361.72	1.00	110	Sunny	11	0.0085	1.2912	77.47
11-Feb-08	2.7781	2.7901	1.2324	1.2324	11385.72	11386.72	1.00	162	Sunny	11	0.0120	1.2324	73.94
12-Feb-08	2.7403	2.7509	1.2618	1.2618	11386.72	11387.72	1.00	140	Sunny	11	0.0106	1.2618	75.71
13-Feb-08	2.8188	2.8298	1.2324	1.2324	11411.72	11412.72	1.00	149	Sunny	12	0.0110	1.2324	73.94
15-Feb-08	2.8129	2.8220	1.2324	1.2324	11412.72	11413.72	1.00	123	Rainy	13	0.0091	1.2324	73.94
18-Feb-08	2.8256	2.8369	1.1736	1.1736	11413.72	11414.72	1.00	160	Sunny	16	0.0113	1.1736	70.42
20-Feb-08	2.8565	2.8684	1.2324	1.2324	11438.72	11439.72	1.00	161	Sunny	15	0.0119	1.2324	73.94
22-Feb-08	2.8646	2.8782	1.2324	1.2324	11439.72	11440.72	1.00	184	Rainy	18	0.0136	1.2324	73.94
23-Feb-08	2.8088	2.8194	1.1736	1.1736	11440.72	11441.71	0.99	152	Rainy	18	0.0106	1.1736	69.71
25-Feb-08	2.8864	2.8935	1.1736	1.1736	11465.71	11466.71	1.00	101	Sunny	15	0.0071	1.1736	70.42
27-Feb-08	2.8756	2.8894	1.2114	1.2114	11466.71	11467.71	1.00	190	Sunny	13	0.0138	1.2114	72.68
29-Feb-08	2.8392	2.8534	1.2391	1.2391	11467.71	11468.71	1.00	191	Sunny	15	0.0142	1.2391	74.35
							Min	59					

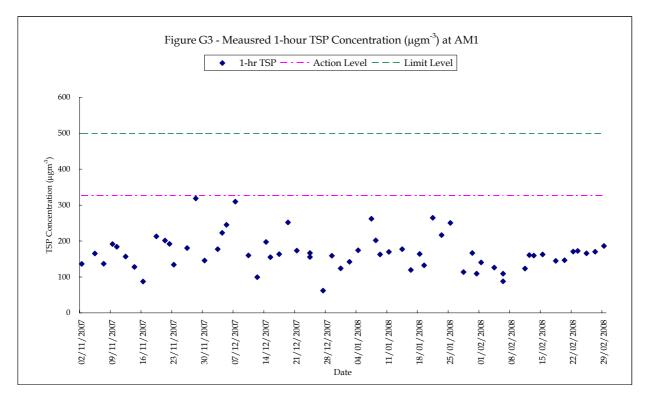
Min	59	
Max	190	
Average	139	

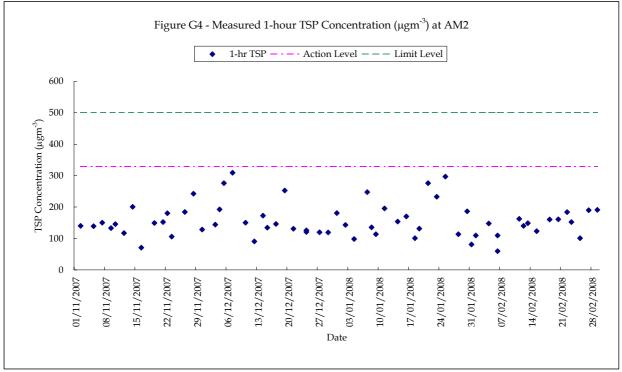
Meteorological Data Extracted from King's Park Stations of the Hong Kong Observatory	y

			к	ing's Park Statio	n	
Date	Weather	Average Air Temperature (° C)	Average Relative Humiditiy (%)	Total Rainfall (mm)	Wind Direction (Degree)	Average Wind Speed (km/h)
01-Feb-08	Sunny	11	83	0.0	090	6.9
04-Feb-08	Rainy	12	91	0.5	030	3.8
06-Feb-08	Sunny	11	68	0.5	010	6.7
11-Feb-08	Sunny	11	64	0.0	010	7.0
12-Feb-08	Sunny	11	42	0.0	010	9.6
13-Feb-08	Sunny	12	48	0.0	020	8.7
15-Feb-08	Rainy	13	54	0.5	020	7.0
18-Feb-08	Sunny	16	73	0.0	100	8.9
20-Feb-08	Sunny	15	70	0.0	020	6.6
22-Feb-08	Rainy	18	80	3.0	120	4.3
23-Feb-08	Rainy	18	89	7.0	110	7.9
25-Feb-08	Sunny	15	84	0.0	110	11.5
27-Feb-08	Sunny	13	65	0.0	020	7.3
29-Feb-08	Sunny	15	59	0.0	020	5.1









Annex H

Event / Action Plans for Air Quality Monitoring

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

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

Annex I

Summary of Implementation Status

Annex I - Summary of Environmental Protection / Mitigation Activities

Environmental Permit No. EP-239/2006/A

EP Condition	Submission	Action Required by the Permit Holder	Implementation Status
Ref			
-	litigating Water Quality Impact		
2.4	Method statement on silt screens for seawater intakes (including design and maintenance requirements)	2 weeks before commencement of marine pile installation works	Method statement was submitted to the EPD on 21/6/06. Method statement (Revision A) was submitted to the EPD on 29/9/06. Method statement (Revision B) and supplementary information was submitted to the EPD on 23/5/07 and 18/6/07 respectively.
2.5	Method statement on silt curtain system for marine piling works (including design and maintenance requirements)	2 weeks before commencement of marine pile installation works	Method statement was submitted to the EPD on 15/9/06.
2.8	Design drawings specifying pile dimension and layout	2 weeks before commencement of marine pile installation works	Marine pile layout (final stage) was submitted to the EPD on $15/2/07$.
			Revised marine pile layout (final stage) was submitted to the EPD on 26/3/07.
Measures for M	litigating Air Quality Impact		
2.9	Design drawings of ventilation facility for fresh air intakes (req'd only before operation of Project)	2 weeks before commencement of installation of ventilation facility	
Measures for M	litigating Landscape and Visual Impact		
2.10	Implementation programme for landscape and visual mitigation measures (for both construction and operational phases of Project)	Within 6 months after commencement of construction of Project	Implementation programme (CM01, CM04 and CM05) was submitted to the EPD on 8/12/06.
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. Proposal for CM03 was submitted to the EPD on 8/12/06. Proposal for CM01, CM04 and CM05 was submitted to the EPD on 15/12/06. CM01 Rev 1 was submitted to the EPD on 22/1/07. Proposal CM02 was submitted to the EPD on 13/3/07. Proposal for OM01 was submitted to the EPD on 15/11/07.
3.2	Baseline Monitoring Report	One week before the commencement of construction	Report was submitted to the EPD on 24/7/06 and comments from the EPD was received on 3/8/06. Revised report was submitted to EPD on 17/8/06 and no further comments received.

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

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

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact			
Operational I			
Noise	 The following noise reduction measures should be considered as far as practicable during detailed design: choose quieter plant such as those which have been effectively silenced; include noise levels specification when ordering new plant; locate fixed plant away from any NSRs as far as practicable; locate fixed plant in plant rooms with thick walls or specially designed enclosure; locate noisy machines in basement or a completely separate building; and develop and implement a regularly scheduled plant maintenance programme in order to maintain controlled level of noise. 	Plant Room / Design and Operation Stage	Relevant design and plant procurement procedures to commence at a later stage
Construction	Phase	1	
Water Quality	There should be no permanent structure in the water channel.	At the ALE sea channel / during operational phase	\bigvee
Water Quality	No dredging and no reclamation should be carried out for the Project.	At work sites / during construction phase	\checkmark
Water Quality	The marine pile layout as shown in Figure 3 of the Environmental Permit 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	
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	The installation of temporary marine piles was completed on 23 April 2007.

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	The installation of temporary marine piles was completed on 23 April 2007. Silt screens were removed as requested by the intake owners. Silt screens will be reinstalled at seawater intakes prior to the removal of marine piles.
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	

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

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

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

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	Water used in water testing to check leakage of structures and pipes should be reused for other purposes as far as practicable.Surplus unpolluted water could be discharged into storm drains.Sterilization is commonly accomplished by chlorination. Specific advice from EPD should be sought during the design stage of the works with regard to the disposal of the sterilizing water. The 	Works areas / construction period	
Water Quality	 Effluent discharges from building construction and other construction site activities are subject to WPCO control. Before commencing any demolition works, all sewer and drainage connections should be sealed to prevent building debris, soil, sand etc. from entering public sewers/drains. Wastewater generated from building construction activities including concreting, plastering, internal decoration, cleaning of works and similar activities should not be discharged into the stormwater drainage system. If the wastewater is to be discharged into foul sewers, it should undergo the removal of settleable solids in a silt removal facility, and pH adjustment as 	Works areas / construction period	
Water Quality	necessary. 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.

Type of Location/ Timing Environmental Protection Measures Status Impact Wastewater collected from canteen kitchens, including that from Works areas / construction period Water $\sqrt{}$ Ouality basins, sinks and floor drains, should be discharged into foul sewer via grease traps capable of providing at least 20 minutes retention during peak flow. Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptors with peak storm bypass. Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance. Water It is recommended to provide sufficient chemical toilets in the Works areas / construction period $\sqrt{}$ Quality 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. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment. Regular environmental audit on the construction site can provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site. Water Contractor must register as a chemical waste producer if Works areas / construction period $\sqrt{}$ chemical wastes would be produced from the construction Quality 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. Any service shop and maintenance facilities should be located on Works areas / construction period Water $\sqrt{}$

Impact Quality hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges. Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: suitable containers should be used to hold the chemical • wastes to avoid leakage or spillage during storage, handling and transport; chemical waste containers should be suitably labelled, to • notify and warn the personnel who are handling the wastes, to avoid accidents: and storage area should be selected at a safe location on site and • adequate space should be allocated to the storage area. To minimize the potential water quality impacts from the Water Works areas / construction period $\sqrt{}$ Quality construction works located at or near the storm system or seafront, the following mitigation measures should be adopted: the use of less or smaller construction plants may be specified to reduce the disturbance to the seabed; temporary sewerage system should be designed to prevent • wastewater from entering the storm system and sea; temporary storage of materials (e.g. equipment, filling • materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any water courses during carrying out of the construction works; stockpiling of construction materials and dusty materials ٠ should be covered and located away from any water courses; construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into

Location/ Timing

Status

Summary of Mitigation Measures Implementation Schedule

Environmental Protection Measures

Type of

Type of	Environmental Protection Measures	Location/ Timing	Status
Impact	 the nearby water receivers; construction activities, which generate large amount of wastewater, should be carried out in a distance away from the waterfront, where practicable; mitigation measures to control site runoff from entering the nearby water environment should be implemented to minimize water quality impacts. Surface channels should be provided along the edge of the waterfront within the work sites to intercept the runoff; construction effluent, site run-off and sewage should be properly collected and/or treated; proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/sea; and supervisory staff should be assigned to station on site to closely supervise and monitor the works. 	Works areas / construction period	
Quality	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.	\checkmark
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	Works areas / construction period	No barge will be required for the project.

Type of Location/ Timing Environmental Protection Measures Status Impact transportation. All barges should maintain adequate clearance between vessels and the seabed at all states of the tide and should operate at a reduced speeds to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. Connection of sewage generated from the ALE will be connected Project site / design and construction Relevant works have yet to be Water to the existing public sewer. For handling, treatment and commenced / completed Quality period 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. Construction Phase Waste Recommendations for good site practices during the construction Work site / during the construction period V activities include: nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all Wastes generated at the site; training of site personnel in proper waste management and chemical handling procedures; provision of sufficient waste disposal points and regular collection of waste; appropriate measures to minimize windblown litter and dust • during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. Waste reduction is best achieved at the planning and design Work site / during the construction period Waste $\sqrt{}$ stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include: sorting of demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (ie soil, broken concrete, metal, etc);

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

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	 public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be included. One may make reference to ETWB TCW No.31/2004 for details; the large amount of C&D waste generated is mainly due to the piling works of large diameter piles' excavation at the sea front site. If however marine sediment is found during pile excavation, the handling and disposal of such wastes will be managed in accordance with the requirements of the DASO and the current ETWB Tech. Circular no. 34/2002. 		
Waste	Chemical Wastes	Work site / during the construction period	\checkmark
	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</i> <i>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.		
<i>Operational P</i> Waste	Phase General Refuse	Work site / during the construction period	Measures not required until
music	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		commencement of operational phase

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	waste arisings generated at the HKCEC would follow the existing handling and disposal arrangement. Provided proper arrangements are made with licensed contractors to collect the generated waste, adverse waste-related impact is not anticipated during the operation stage. It is expected that there will be a 5-7% increase ratio in the future operations.		
Construction Ph	lase		
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	\checkmark
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	N
Operational Pha	se		
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

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
Landscape & Visual	Appearance and view considerations: (a) avoid industrial feel of building service elements; (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.	Entire proposed works and adjacent hotels	Mitigation measures to be implemented during operational phase
Landscape & Visual	Transplanting of trees to adjacent locations.	Convention Avenue	Mitigation measures to be implemented during operational phase
Landscape & Visual	Reinstatement of existing waterfront public footpaths along Convention Avenue and the existing open spaces near Fenwick Street.	Convention Avenue and Fenwick Street	Mitigation measures to be implemented during operational phase

Remark:

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

Annex J

Waste Flow Table

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 2008

Year	Act	ual Quantities of i	inert C&D M	laterials (in 10	3 Kg) ⁽¹⁾⁽²⁾				Actual Qua	ntities of C&D	Wastes (in 10	$(4)^{3}$ Kg) ⁽⁴⁾			
	Total Quantity	Broken Concrete ⁽³⁾	Reused in the	Reused in other Projects	Disposed as Public Fill	Demolition	Stee n of existing	l Materials	of existing		ardboard aging		al Waste L)	General refuse	Other waste ⁽⁶⁾
	Generated	Concrete	Contract	(3)	r usile r ili		m Link		platform	раск	aging			Teruse	waste
	(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Disposal	Disposal
January	495	0	0	0	495	10 (5)	0	0	0	0.2	0.04	0	0	30	122
February	539	0	0	0	539	20 (5)	0	0	0	0.5	0.02	0	0	33.4	20
March															
April															
May															
June															
July															
August															
Sep															
October															
November															
December															
Total	1034	0	0	0	1034	30 (5)	0	0	0	0.7	0.06	0	0	63.4	142

 ⁽¹⁾ Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.
 ⁽²⁾ Inert C&D material mainly generated from demolition of atrium link.
 ⁽³⁾ Broken concrete fro recycling into aggregates. Note:

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

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

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

Annex K

Construction Programme for Next Three Months

		Hong Kong	Convention ar	d Exhibition Cer	ntre) .					
	3 Month Polling	Programme based of	Expansion F	roiect		on 31 Jan 08	·	· · · ·		• • •	
		Togramme based (or r rogramme r			-		-		
		a Compl	Actual Start	Actual Finish	Racelina Start 1	Baseline Finish 1	Oct Nov	2 Dec	007 Jan	Feb	Mar
	Fask Name	% Compli 42%	Actual Start Fri 26/5/06	NA	Fri 26/5/06	Fri 12/6/09				31/1/08	E-rend Strike
2	Critical Dates	42%	Fri 26/5/06	NA	Fri 26/5/06	Fri 12/6/09	We have the second second second	nines (Marina	ACTACIONAL SUBSECTION		i na na siyangan ta
3	Project Milestones	0%	Fri 26/5/06	NA	Fri 26/5/06	Fri 12/6/09			Second Street		
155	Design Submission & Approval (Permanent Works)	93%	Thu 25/5/06	NA	Thu 25/5/06	Mon 24/12/07	SALE NOT THE OWNER OF THE OWNER				
72	OTTV Calculations	100%	Thu 12/10/06	Wed 10/10/07	Thu 12/10/06	Mon 17/9/07					
176	RIP/DDR for OTTV	100%	Wed 10/10/07	Wed 10/10/07	Mon 17/9/07	Mon 17/9/07		X			
234	Architectural Design	91%	Sat 26/8/06	NA	Thu 17/8/06	Mon 24/12/07			i de la competición d I		
240	Fire curtain / Shutter and Smoke curtain schedule	100%	Mon 28/8/06	Wed 21/11/07	Mon 28/8/06	Sat 21/7/07					
248	DDR Resubmit & Review by PM	100%	Fri 2/11/07	Wed 21/11/07	. NA	NA	as to de tit				
249	DDR for Fire curtain / Shutter and Smoke curtain schedule	100%	Wed 21/11/07	Wed 21/11/07	Sat 21/7/07	Sat 21/7/07			\mathbf{n}		
259	Amendment for AST 1&2, 5&6	95%	Tue 15/5/07	NA	NA	NA	en ane contractor				
261	Design Check by Design Checker	100%	Mon 24/9/07	Thu 27/12/07	NA	NA					
264	Amendment for AST 7 & 8	95%	Mon 14/5/07	NA	NA	NA		etter en en statute op	/:		
265	Detailed Design Preparation	100%	Mon 14/5/07	Wed 10/10/07	NA	NA					
266	Design Check by Design Checker	100%	Thu 11/10/07	Thu 27/12/07	NA	NA	MARKAR MARKA	er og ser for en ser			
276	External façade Design	100%	Fri 15/9/06	Wed 12/12/07	Fri 15/9/06	Fri 10/8/07	outrice distriction de				
285	DDR for DD Submission by PM	100%	Tue 11/9/07	Wed 12/12/07	Fri 27/7/07	Fri 10/8/07	and the second second second	SIN AND DO THE OWNER			
286	DDR for External facade Design	100%	Wed 12/12/07	Wed 12/12/07	Fri 10/8/07	Fri 10/8/07					
287	Foyer Floors and Wall at Level 2,5 and 7	98%	Wed 30/5/07	NA	Thu 17/8/06	Wed 18/7/07	ng an	ý			
289	Design Check by Design Checker	100%	Tue 14/8/07	Mon 26/11/07	Fri 17/8/07	Thu 30/8/07	eta eta ante a constan		1 1 1		
290	RIP/DDR by PM	80%	Tue 27/11/07	NA	Thu 31/8/06	Thu 14/9/06	a de la com				
292	Feature Wall at Level 2 Foyer	98%	Fri 13/7/07	NA	Fri 13/7/07	Fri 14/9/07	and the second secon	ESPERING AND AND			
294	Design Check by Design Checker	100%	Sat 24/11/07	Mon 24/12/07	Fri 17/8/07	Thu 30/8/07		anti-statester public			
295	RIP/DDR by PM	80%	Tue 25/12/07	NA	Fri 31/8/07	Fri 14/9/07	11 - An - An				` .
297	Lift Lobbies at Level 2,3,5,6,7 and 7M	87%	Thu 28/6/07	NA	Thu 28/6/07	Fri 14/9/07			and a second		
300	Resubmit to IDC & check by IDC	100%	Fri 28/12/07	Sat 26/1/08	NA	NA	1. 1. 1. 1. 1.			30	
301	RIP/DDR by PM	5%	Mon 28/1/08	NA	Fri 31/8/07	Fri 14/9/07	1997 - 19		T T	1000000	
303	Fover Floor and Walls at Level 3 and 6, Interior of Dressing Rm	98%	Fri 27/7/07	NA	Fri 27/7/07	Fri 28/9/07	ang pangang kang kang kang kang kang kang kan	n († 1930) fan de skriver	re ser effet skalen. 1		
305	Design Check by Design Checker	100%	Mon 10/9/07	Wed 16/1/08	Fri 31/8/07	Thu 13/9/07	REAL CARD	Sagara and an an an an	pa califactura en		
306	RIP/DDR by PM	75%	Thu 17/1/08	NA	Fri 14/9/07	Fri 28/9/07			41		
313	Foyer reflected ceiling plan	99%	Thu 31/5/07	NA	Thu 31/5/07	Thu 13/9/07			1		
	Design Check by Design Checker	100%	Sat 7/7/07	Wed 10/10/07	Sat 7/7/07	Thu 30/8/07			1 . 1		
315	menger and a statistic statistic statistics and sta		L	I			<u> </u>	i			

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	3 Month Rolling	Programme based o	on revised Mast	er Programme F	Rev. 2 updating o	on 31 Jan 08		4.1			
				I	Т			2	007		
ID	Task Name	% Comple	Actual Start	Actual Finish		Baseline Finish 1	Oct Nov	Dec		Feb	Mar
316	RIP by PM	100%	Thu 11/10/07	Fri 9/11/07	Fri 31/8/07	Thu 13/9/07 Mon 17/9/07		- 131	1/1/08		
318	Two Male, Two Female and Baby Room	100%	Wed 30/5/07	Tue 27/11/07	Wed 30/5/07 Mon 3/9/07	Mon 17/9/07 Mon 17/9/07			N I		
321	RIP/DDR by PM	100%	Tue 28/8/07	Wed 10/10/07 Tue 27/11/07		NA					
322	Resubmit & DDR by PM	100%	Sat 27/10/07	NA	NA Fri 27/7/07	Fri 28/9/07	Salaanyee				
324	Remaining Washrooms	94%	Fri 27/7/07 Thu 13/9/07	Mon 24/12/07	Fri 31/8/07	Fri 14/9/07			V		
326	Design Check by Design Checker	100%	Sat 5/1/08	NA	Sat 15/9/07	Fri 28/9/07					
327	RIP/DDR by PM	84%	Fri 29/9/06	NA	Fri 29/9/06	Sat 15/9/07	HIGHLING CONTRACTOR	and a second		er wat zen de Road	
329	Exhibition Halls / Service Counters and Organiser's Offices	93%	Wed 30/5/07	NA	Wed 30/5/07	Wed 15/8/07	energestration.		1 1 1		•
340	Exhibition Halls	100%	Sat 14/7/07	Fri 9/11/07	Sat 14/7/07	Mon 30/7/07			1		
342	Design Check by Design Checker	63%	Thu 14/6/07	NA	Thu 14/6/07	Sat 15/9/07				tina ana faring	
350	Food Concession Area Design Check by Design Checker	100%	Sat 15/12/07	Fri 4/1/08	Fri 20/7/07	Thu 2/8/07					*
352	RIP by PM	20%	Wed 16/1/08	NA	Fri 3/8/07	Thu 16/8/07					
353	Door schedule (incl. sliding and acoustic doors)	99%	Sat 30/9/06	NA	Sat 30/9/06	Thu 13/9/07					
359 365	Design Check by Design Checker	100%	Wed 20/6/07	Mon 27/8/07	Wed 20/6/07	Thu 30/8/07	T				
365	DDR by PM	100%	Tue 28/8/07	Tue 16/10/07	Fri 31/8/07	Thu 13/9/07			2 5		
367	DDR for Door schedule	0%	NA	NA	Thu 13/9/07	Thu 13/9/07			5 5		
368	Ironmongery schedule	88%	Wed 3/1/07	NA	Wed 3/1/07	Thu 4/10/07					
372	RIP for ironmongery schedule	100%	Fri 29/6/07	Fri 29/6/07	Fri 29/6/07	Fri 29/6/07					
373	Detailed Design Preparation	95%	Sat 30/6/07	NA	Sat 30/6/07	Thu 30/8/07	}.				
377	Maintenance access system - Gondola + BMU	98%	Wed 4/10/06	NA	Wed 4/10/06	Wed 15/8/07	Bangaran Bangaran Kanan Satahan			J	
383	Design Check by Design Checker	100%	Thu 12/7/07	Fri 4/1/08	Thu 12/7/07	Wed 1/8/07					
384	DDR by PM	25%	Wed 16/1/08	NA	Thu 2/8/07	Wed 15/8/07					
386	Maintenance access system - Catwalks	94%	Wed 16/5/07	NA	Wed 16/5/07	Thu 9/8/07	and the second				
388	Design Check by Design Checker	100%	Thu 21/6/07	Mon 22/10/07	Thu 21/6/07	Wed 25/7/07	-				
389	RIP/DDR by PM	50%	Tue 23/10/07	NA	Thu 26/7/07	Thu 9/8/07			1		
439	Landscape Works	58%	Mon 16/10/06	NA	Mon 16/10/06	Mon 24/12/07		NE N-HERRICH		an a	
449	Planting schedule/Material Plans RIP Design Preparation	100%	Sat 8/9/07	Mon 24/9/07	Fri 7/9/07	Fri 21/9/07			1 / / ·		
450	Design Check by Design Checker	100%	Tue 25/9/07	Fri 21/12/07	Sat 22/9/07	Sat 6/10/07		and the second			
466	Miscellanous Details	87%	Fri 6/4/07	NA	Fri 6/4/07	Sat 15/9/07					P
467	Steel & Metal Works (Tx. Rm.; Lift Machine rmetc)	87%	Thu 14/6/07	NA	Thu 14/6/07	Sat 15/9/07		al and a share			,
468	Detailed Design Preparation	100%	Thu 14/6/07	Mon 21/1/08	Thu 14/6/07	Tue 14/8/07				<u>.</u>	•
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	Task	Milestone		Externa	l Tasks		Baseline 1				
	3 Month Rolling Programme based on revised				Summary				•		
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	Progress	Split		Group E		<u></u>				-	
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	3 Month Rolling Programme	e based (on revised Mast	er Programme F	lev. 2 updating	on 31 Jan 08				ł		
-				· · · .		1			2007			
ID ·	ruot runno	% Comple 5%	Actual Start Tue 22/1/08	Actual Finish NA	Baseline Start 1 Wed 15/8/07	Baseline Finish 1 Thu 30/8/07	Oct	Nov	Dec	Jan 31/1/08	Feb	Mar
469	Design Check by Design Checker	91%	Thu 14/6/07	NA	Thu 14/6/07			and the second	a mata si sa			
477	Carpark, Driveway/loading and unloading areas	100%	Thu 27/12/07	Fri 4/1/08	Wed 15/8/07						v	
479	Design Check by Design Checker RIP/DDR for Carpark, Driveway/loading and unloading areas by PM	100 %	Wed 16/1/08	NA	Fri 31/8/07				1			
480	Expansion Joint and wall expansion details for Ph I & II	83%	Fri 6/4/07	NA	Fri 6/4/07		and the second					
482	RIP for Expansion Joint	100%	Thu 9/8/07	Thu 9/8/07	Thu 9/8/07		v					
486	Detailed Design Preparation	85%	Thu 9/8/07	NA	Thu 9/8/07				1	- 		
487	Structural Design	89%	Fri 26/5/06	NA	Fri 26/5/06		AND STREET, ST					
515	Structural Design Stage 3 A&A Works Modification of Existing Atrium Link Structure	88%	Fri 17/11/06	NA	Fri 17/11/06				Ň			
601 604	Resubmission to IDC for Review	60%	Wed 24/10/07	NA	NA				•		÷	1
652	BS Design	96%	Thu 1/6/06	NA	Thu 1/6/06		and the state of the	الديك	1 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 -			
653	BS - HVAC	100%	Fri 14/7/06	Mon 7/1/08	Fri 14/7/06	Wed 19/9/07				•	•	
665	Details Design Review	100%	Tue 5/9/06	Mon 7/1/08	Tue 5/9/06	Wed 19/9/07	INDER PROPERTY AND		CR Stephene To August Bar	-	te e i	
671	HVAC Layout	100%	Wed 30/5/07	Mon 7/1/08	Wed 30/5/07	Wed 19/9/07				Ŵ.		
674	DDR for HVAC Submission by PM	100%	Wed 21/11/07	Mon 7/1/08	Tue 4/9/07	Wed 19/9/07	-		1 1 2000-00-00-00-00-00-00-00-00-00-00-00-00			
675	DDR for HVAC	100%	Mon 7/1/08	Mon 7/1/08	Wed 19/9/07	Wed 19/9/07			1	*		
676	BS - Electrical	99%	Fri 21/7/06	NA	Fri 21/7/06	Wed 26/9/07				- 		
677	Electrical loading calculation & Generator Sizing, Schematic design of electric	98%	Fri 21/7/06	NA	Fri 21/7/06	Wed 26/9/07			T T			
5 <u>.</u>		1000/	Tuo 9/5/07	Sat 22/9/07	Tue 8/5/07	Tue 4/9/07			1 1 1			
683	Design Check by Design Checker	100%	Tue 8/5/07	NA	Wed 5/9/07	Wed 26/9/07						
684	DDR by PM	80%	Mon 24/9/07 Fri 21/7/06	Sat 1/12/07	Fri 21/7/06		S and the second se	-	5			
686	Power Distribution System and Lightning System	100%	Sat 1/12/07	Sat 1/12/07	Wed 26/9/07							
694	DDR for Power Distribution System and Lightning System	100%	Wed 14/6/06	Tue 13/11/07	Wed 20/3/07					ų		
723	BS - Fire Services	100%	Fri 3/11/06	Tue 13/11/07	Fri 3/11/06	1			5 T \$	-		
735	Details Design Review	100%	Thu 14/6/07	Tue 13/11/07	Thu 14/6/07				1	•		
741	Stage 2 DDR for Fire Services Submission by PM	100%	Mon 10/9/07	Tue 13/11/07	Thu 6/9/07			¥	, 1 1 1			
744	DDR for Fire Services Submission by PW	100%	Tue 13/11/07	Tue 13/11/07	Thu 27/9/07	Thu 27/9/07		A	2 7 1	÷		
745		100%	Fri 2/6/06	Fri 7/12/07	Fri 2/6/06		REAL PROPERTY.	*		r.	•	
746	BS - Plumbing and Drainage Reivew In Principle	100%	Fri 2/6/06	Mon 27/11/06	Fri 2/6/06	1			₩ 1	, ter		
747	Modification of Grease Trap Room at Phase II	100%	Thu 21/6/07	Fri 7/12/07	Thu 21/6/07					1		
768	RIP/DDR for Submission by PM	100%	Tue 13/11/07	Fri 7/12/07	Mon 13/8/07							
771	RIP/DDR for Modification of Grace Trap Room at Phase II	100%	Fri 7/12/07	Fri 7/12/07	Tue 28/8/07				•			
772			L		I	<u> </u>	<u> </u>	<u>i</u>	• :			
	Task Exercises Mileston	e		Externa	Tasks		Baseline 1		I I I I I I I I I I I I I I I I I I I 	±1		
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		% Comple	Actual Start	Actual Finish	Baseline Start 1	Baseline Finish 1	Oct Nov		.007 Jan	Feb	Mar
1173	ask Name Pile Cap Construction /Tie Beams / Ground Slab	80%		NA	Sat 6/10/07			31/1/08	1		
1174	Superstructure	40%	Thu 30/11/06	NA	Thu 30/11/06	Thu 25/9/08	Selfer Alexandri (M. 2023				25.487¥3
1175	Columns to Steel Truss - Grid 17	100%	Mon 4/12/06	Mon 28/1/08	Mon 4/12/06	Tue 4/12/07	ala su an the surger of the	lietes private alternative	an shirt has not a shirt in		
1179	Column E/17	100%	Fri 5/10/07	Mon 28/1/08	Thu 8/11/07	Tue 4/12/07		CONTRACTOR OF THE OWNER OF		V	
1181	Bearing Installation at Column E/17	100%	Mon 28/1/08	Mon 28/1/08	Sat 1/12/07	Tue 4/12/07				1	
1182	Column A/17	100%	Mon 21/5/07	Fri 30/11/07	Mon 21/5/07	Sat 8/9/07	NICOLOGICAL STREET, ST		1		
1184	Bearing Installation at Column A/17	100%	Fri 30/11/07	Fri 30/11/07	Wed 5/9/07	Sat 8/9/07					
1191	Column D/17	100%	Fri 18/5/07	Wed 23/1/08	Fri 18/5/07	Sat 8/9/07	ana	an a		ł .	
1193	Bearing Installation at Column D/17	100%	Wed 23/1/08	Wed 23/1/08	Wed 5/9/07	Sat 8/9/07			1		
1194	Columns to Steel Truss - Grid 24	100%	Thu 14/12/06	Wed 23/1/08	Thu 14/12/06	Sat 8/9/07	alla (13 little pps of subjection	ener els ags alla de la serie		l	
1208	Columns D/24	100%	Wed 16/5/07	Wed 23/1/08	Wed 16/5/07	Sat 8/9/07	a se stand terra	a an		ł	
1210	Bearing Installation at Column D/24	100%	Wed 23/1/08	Wed 23/1/08	Wed 5/9/07	Sat 8/9/07			1		
1211	Additional Columns E/17a, E/17/b & connecting R.C Structures at L1M	1%	Tue 4/12/07	NA	Thu 1/11/07	Sat 12/4/08					<u>73</u> 300
1212	Ground Beams/Slab	10%	Tue 4/12/07	NA	Tue 18/3/08	Tue 25/3/08		Francis			
1216	Steel Roof Trusses and Superstructure	27%	Thu 30/11/06	NA	Thu 30/11/06	Thu 25/9/08	n menerika kan san seri		1	a tha barran ann a tha	and a
1279	Temporary Works for Sliding & Heavy Lifting	72%	Sat 8/9/07	NA	Sat 8/9/07	Wed 19/12/07	State Constant State	NAMES OF STREET, STREET	1 1		1.
1280	Heavy Lifting & Sliding System Installation	100%	Sat 8/9/07	Sun 6/1/08	Sat 8/9/07	Mon 22/10/07			1		
1282	Transfer Truss for Grid 24/A-B	71%	Fri 14/9/07	NA	Fri 14/9/07	Mon 17/12/07	nai astro er gestandigestete		n sana sana sana sana s		
1283	Delivery of Materials	100%	Fri 14/9/07	Tue 18/9/07	Fri 14/9/07	Wed 26/9/07	• .				
1284	Assembly Steel Transfer Truss on Column A1a/24 & Ba/24	100%	Mon 17/9/07	Wed 31/10/07	Mon 17/9/07	Mon 5/11/07			1 2 1	/	
1285	Connection of Roof Truss A	0%	NA	NA	Tue 11/12/07	Mon 17/12/07	—				
1286	Connection to Roof Truss B	0%	NA	NA	Tue 11/12/07	Mon 17/12/07					
1287	Roof Truss A	- 48%	Sun 14/10/07	NA	Wed 10/10/07	Wed 20/2/08		hangan kanangan ka		çır meneti səyərə	1.200
1288	Delivery of Materials	100%	Sun 14/10/07	Sat 3/11/07	Wed 10/10/07	Sat 20/10/07			1		
1289	Assembly of Steel Roof Truss A on Site	100%	Mon 15/10/07	Sat 8/12/07	Mon 15/10/07	Thu 8/11/07					
1290	Erect Temp Bracing between Roof Truss A & B	100%	Mon 31/12/07	Thu 3/1/08	Fri 9/11/07	Wed 14/11/07	E				
1291	Lifting Up to Grid C High Level	100%	Mon 7/1/08	Tue 8/1/08	Thu 15/11/07	Sat 17/11/07		B	M		
1292	Sliding to Permanent Position at Grid A	45%	Tue 22/1/08	NA	Mon 19/11/07	Mon 10/12/07		H			
1296	Roof Truss B	42%	Wed 14/11/07	NA	Wed 10/10/07	Wed 20/2/08	Regional 🕴		an a	an an a star of the star of the	(sea sint
1297	Delivery of Materials	100%	Wed 14/11/07	Wed 28/11/07	Wed 10/10/07	Sat 20/10/07				• · ·	
1298	Assembly of Steel Roof Truss B on Site	100%	Mon 19/11/07	Tue 18/12/07	Mon 15/10/07	Thu 8/11/07					
1299	Erect Temp Bracing between Roof Truss A & B	100%	Mon 31/12/07	Thu 3/1/08	Fri 9/11/07	Wed 14/11/07	E	Ð			•

			Expansion P	d Exhibition Ce roject						
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ID 1 1300	Task Name Lifting Up to Grid D High Level	% Comple 100%	Actual Start Mon 7/1/08	Actual Finish Tue 8/1/08	Thu 15/11/07	Baseline Finish 1 Sat 17/11/07	Oct Nov	Dec	Jan	Feb Mar 31/1/08
1301	Sliding to Grid B	35%	Tue 22/1/08	NA	Mon 19/11/07	Fri 7/12/07				
1305	Roof Truss C	29%	Thu 20/12/07	NA	Wed 14/11/07	Thu 13/3/08				
1306	Delivery of Materials	100%	Thu 20/12/07	Thu 24/1/08	Wed 14/11/07	Sat 24/11/07				
1307	Assembly of Steel Roof Truss C on Site	15%	Fri 25/1/08	NA	Mon 19/11/07	Mon 14/1/08		4		
1598	Building Services Installation	8%	Thu 8/3/07	NA	Thu 8/3/07	Fri 5/6/09	an finishi an tu kumu na m		a Saarii Sarah bule at	
1608	Transformer Installation at Phase 2 (For sea water pump room)	100%	Fri 28/12/07	Tue 29/1/08	Mon 3/12/07	Tue 22/1/08		1	Contraction of the	
1609	Transformer Delivery & Installation (by HEC)	100%	Fri 28/12/07	Wed 2/1/08	Mon 3/12/07	Mon 10/12/07				-
1610	Electrical Cable Installation by HKE	100%	Sat 29/12/07	Wed 2/1/08	Mon 10/12/07	Thu 20/12/07				
1611	Engerisation	100%	Wed 2/1/08	Tue 22/1/08	Wed 2/1/08	Tue 22/1/08				
1612	Power On	100%	Tue 29/1/08	Tue 29/1/08	Tue 22/1/08	Tue 22/1/08				
1625	Transformer Installation at Level 1 Phase 2	46%	Fri 1/6/07	NA	Fri 1/6/07	Mon 14/7/08				
1626	Prepare and submit Details of A&A works for the existing plant room	100%	Fri 1/6/07	Wed 25/7/07	Fri 1/6/07	Wed 25/7/07			1 1 1	
1627	Design Check by Independent Checking Engineer	100%	Wed 27/6/07	Fri 10/8/07	Thu 26/7/07	Fri 10/8/07			1 1 1	
1628	RIP/DDR for A&A works by PM	100%	Sat 11/8/07	Sat 18/8/07	Sat 11/8/07	Sat 18/8/07			1	
1629	Plant room handover for work	100%	Wed 1/8/07	Wed 1/8/07	Wed 1/8/07	Wed 1/8/07				
1630	Consent to A & A Works	100%	Fri 12/10/07	Fri 12/10/07	NA	NA	I.			
1631	A&A Works for Transformer room	80%	Mon 15/10/07	NA	Wed 1/8/07	Fri 30/11/07			1 Strainsteiligelei	
1746	Heating / Ventilation and Air-Condition Installation	4%	Thu 8/3/07	NA	Thu 8/3/07	Mon 2/3/09	William March 2 (1997)		- <u>Signation</u>	
1747	Sea Water System (at Phase II)	19%	Mon 5/11/07	NA	Mon 15/10/07	Mon 5/5/08				
1748	Plinth & Builders works	25%	Mon 5/11/07	NA	Mon 15/10/07	Mon 31/12/07	33 m 1 3			9
1749	Electrical Installation	100%	Sat 15/12/07	Mon 28/1/08	Wed 7/11/07	Mon 31/12/07	· 🗠			
1750	Fire Service Installation	0%	NA	NA	Tue 4/12/07	Mon 31/12/07				
1751	Upgrade the Phase 2 sea water pumps	20%	Tue 1/1/08	î NA	Sat 1/12/07	Mon 28/4/08				
1752	Electrochlorinator System Installation	0%	NA	NA	Fri 1/2/08	Mon 31/3/08	•	the second		
1753	Electrical & control Installation	0%	NA	NA	Thu 29/11/07	Fri 28/3/08				
1754	Overall System Testing & Commissioning and Handover	0%	NA	NA	Tue 29/4/08	Mon 5/5/08				
1755	Chiller Plant Room Installation	1%	Sat 26/1/08	NA	NA	NA			1	
1756	HVAC - Chiller Plant Room Works	1%	Wed 30/1/08	NA	NA	NA	• ¹ • • • •		- I	
1757	Pipework Preparation / Diversion before Tee-off Works	10%	Wed 30/1/08	NA	NA	NA				