

Hip Hing – Ngo Kee Joint Venture

Hong Kong Convention and
Exhibition Centre Expansion
(Previously known as HKCEC
Atrium Link Extension):
*Quarterly Environmental Monitoring
and Audit Report*
(November 2006 - January 2007)

February 2007

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
<http://www.erm.com>


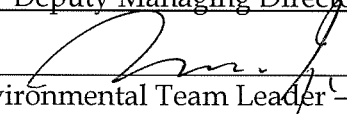
QUARTERLY ENVIRONMENTAL
MONITORING & AUDIT REPORT

Hip Hing – Ngo Kee Joint Venture

Hong Kong Convention and
Exhibition Centre Expansion
(Previously known as HKCEC
Atrium Link Extension):
*Quarterly Environmental Monitoring
and Audit Report*
(November 2006 - January 2007)

February 2007

Reference 0050690

For and on behalf of Environmental Resources Management	
Approved by:	Steve Duckworth
Signed:	
Position:	Deputy Managing Director
Certified by:	 (Environmental Team Leader – Marcus Ip)
Date:	28 February 2007

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

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

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



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

Unit 2 & 3, 4/F., Wellborne Commercial Centre, 8 Java Road, North Point, Hong Kong.
香港北角渣華道8號威邦商業中心4樓2及3室 Tel電話 : (852) 2877 3122 Fax傳真 : (852) 2511 0922
Email電郵: enquiry@nt.com.hk Web page網址 : http://www.nt.com.hk

Our Ref: 3.16/014/2006/it

5 March 2007

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

Attn: Ms Vera Chan

Dear Sir/Madam,

Hong Kong Convention Center Expansion Project
Quarterly EM&A Report for November 2006 to January 2007
(Environmental Permit No. EP-239/2006/A)

With reference to the captioned document concerning the Quarterly EM&A report for November 2006 to January 2007 received from ERM dated 28 February 2007 together with subsequent amendments received on 5 March 2007, we are pleased to provide our verification for the document pursuant to condition 3 of the Environmental Permit (EP) No. EP-239/2006/A.

Yours faithfully,
Nature & Technologies (HK) Limited

Ir Dr Gabriel C K Lam
Managing Director

cc: - Hong Kong Trade Development Council (Attn: Mr. K. F. Chan)
- Hip Hing Ngo Kee Joint Venture (Attn: Mr. Eric Lau & Mr. William Tam)
- ERM (Attn: Mr. Marcus Ip)

CONTENTS

	<i>EXECUTIVE SUMMARY</i>	<i>I</i>
<i>1</i>	<i>INTRODUCTION</i>	<i>1</i>
<i>1.1</i>	<i>PURPOSE OF THE REPORT</i>	<i>1</i>
<i>1.2</i>	<i>STRUCTURE OF THE REPORT</i>	<i>1</i>
<i>2</i>	<i>PROJECT INFORMATION</i>	<i>3</i>
<i>2.1</i>	<i>BACKGROUND</i>	<i>3</i>
<i>2.2</i>	<i>SITE DESCRIPTION</i>	<i>3</i>
<i>2.3</i>	<i>CONSTRUCTION ACTIVITIES</i>	<i>4</i>
<i>2.4</i>	<i>PROJECT ORGANISATION</i>	<i>4</i>
<i>2.5</i>	<i>STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS</i>	<i>4</i>
<i>3</i>	<i>ENVIRONMENTAL MONITORING METHODOLOGY</i>	<i>7</i>
<i>3.1</i>	<i>AIR QUALITY MONITORING</i>	<i>7</i>
<i>3.2</i>	<i>WATER QUALITY MONITORING</i>	<i>10</i>
<i>4</i>	<i>IMPLEMENTATION STATUS OF ENVIRONMENTAL PROTECTION REQUIREMENTS</i>	<i>13</i>
<i>4.1</i>	<i>EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING</i>	<i>13</i>
<i>5</i>	<i>MONITORING RESULTS</i>	<i>14</i>
<i>5.1</i>	<i>AIR QUALITY</i>	<i>14</i>
<i>5.2</i>	<i>WATER QUALITY</i>	<i>14</i>
<i>5.3</i>	<i>WASTE MANAGEMENT</i>	<i>15</i>
<i>6</i>	<i>ENVIRONMENTAL NON-CONFORMANCE</i>	<i>17</i>
<i>6.1</i>	<i>SUMMARY OF ENVIRONMENTAL EXCEEDANCE</i>	<i>17</i>
<i>6.2</i>	<i>SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE</i>	<i>17</i>
<i>6.3</i>	<i>SUMMARY OF ENVIRONMENTAL COMPLAINT</i>	<i>17</i>
<i>6.4</i>	<i>SUMMARY OF ENVIRONMENTAL SUMMONS AND PROSECUTION</i>	<i>17</i>
<i>7</i>	<i>REVIEW OF THE EM&A DATA AND EIA PREDICTIONS</i>	<i>18</i>
<i>7.1</i>	<i>AIR QUALITY</i>	<i>18</i>
<i>7.2</i>	<i>WATER QUALITY</i>	<i>18</i>
<i>7.3</i>	<i>WASTE MANAGEMENT</i>	<i>18</i>
<i>7.4</i>	<i>CONCLUSION OF REVIEW</i>	<i>19</i>
<i>8</i>	<i>CONCLUSION</i>	<i>20</i>

LIST OF TABLES

Table 2.1	Summary of Construction Activities Undertaken
Table 2.2	Summary of Environmental Licensing, Notification and Permit Status
Table 3.1	Air Monitoring Stations
Table 3.2	TSP Monitoring Parameter and Frequency
Table 3.3	Action and Limit Levels for Air Quality
Table 3.4	TSP Monitoring Equipment
Table 3.5	Water Quality Monitoring Locations
Table 3.6	Water Quality Monitoring Parameters & Frequency
Table 3.7	Action and Limit Levels for Water Quality
Table 5.1	Summary of Record of Exceedance recorded in this Quarter
Table 5.2	Quantities of Waste Generated from the Project
Table 8.1	Comparison of the HKAQO and Air Quality Monitoring Results
Table 8.2	Comparison of the Estimated Amount and the Actual Amount of Waste Generated

LIST OF ANNEXES

Annex A	Location of Works Areas
Annex B	Location of Construction Activities during the Reporting Month
Annex C	Project Organization Chart and Contact Detail
Annex D	Locations of Monitoring Stations
Annex E	Summary of Implementation Status
Annex F	24-hour and 1-hour TSP Monitoring Results
Annex G	Water Quality Monitoring Results
Annex H	Waste Flow Table

EXECUTIVE SUMMARY

The construction works for Hong Kong Convention and Exhibition Centre Expansion (previously known as HKCEC Atrium Link Extension) (EIAO Register No: AEIAR-100/2006) was commenced on 1 August 2006. This is the second quarterly Environmental Monitoring and Audit (EM&A) report presenting the EM&A work carried out during the period from 1 November 2006 to 31 January 2007 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during the Reporting Period

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

Environmental Monitoring and Audit Progress

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

24-hour Total Suspended	16 times
Particulates (TSP) monitoring	
1-hour TSP monitoring	48 times
Water quality monitoring	38 times (mid-ebb)
	38 times (mid-flood)
Joint environmental site auditing	13 times

Air Quality

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

Water Quality

Thirty-eight sets of water quality measurements, recorded at mid-flood and mid-ebb tides, were carried out at designated monitoring stations of W3, W4 and W5.

Three Notifications of Exceedance (NOE) with detailed investigations reports were issued during the reporting quarter for recording water quality monitoring exceedances on turbidity of the monitoring station. Exceedance of Action Level of turbidity recorded on 2 November 2006 was associated

with natural fluctuation rather than Project works as no silty water was observed to be discharged from the site to the water channel. In addition, the gravimetric measurement of SS in the laboratory, which is considered a more accurate and quantitative measurement, complied with the Action Level, indicating the water quality was acceptable as compared with the Action Level. The turbidity of water quality recorded after 2 November 2006 returned to levels in compliance with Action level. No further follow-up corrective action was required.

Construction Waste Management

The major construction activities undertaken in the reporting quarter were demolition of existing Atrium Link, land-based piling works and marine piling works. A total of 4,732 tonnes of inert C&D materials (including 2.5 tonnes materials reused in this Project) and 416.8 tonnes of C&D wastes were generated during the reporting quarter. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility and the public fill barging point at Quarry Bay respectively.

Environmental Non-conformance

Thirteen weekly joint environmental site audits were carried out by the ET. No non-compliance event is recording during the reporting period.

No environmental complaints or summons were received during the reporting period.

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 (previously known as HKCEC Atrium Link Extension) (the Project).

1.1 PURPOSE OF THE REPORT

This is the second quarterly EM&A report which summarizes the impact monitoring results and audit findings for the EM&A programme during the reporting period from **1 November 2006** to **31 January 2007**.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1 : **Introduction**

details the scope and structure of the report.

Section 2 : **Project Information**

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

Section 3 : **Environmental Monitoring Requirement**

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

Section 4 : **Implementation Status on Environmental Mitigation Measures**

summarizes the implementation of environmental protection measures during the reporting period.

Section 5 : **Monitoring Results**

summarizes the monitoring results obtained in the reporting period.

Section 6 : **Environmental Non-conformance**

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

Section 7 : **Review of EM&A Data and EIA Predictions**

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

Section 8 : **Conclusion**

2.1 BACKGROUND

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

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

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

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

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

2.2 SITE DESCRIPTION

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

2.3 CONSTRUCTION ACTIVITIES

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

Table 2.1 *Summary of Construction Activities Undertaken*

Construction Activities Undertaken
<ul style="list-style-type: none">• Pre-bored H piles at southern and northern sides• Mini piles for marine platform at southern and northern sides• Marine Pile Installation• Demolition of Phase II at Grid 16/B-D from upper roof down to Level 2• Corrugated sheet and waterproofing work for west facade hoarding at west facade• Hoarding Erection• Demolition of sunshade canopy• Pre-trenching for pre-bored H piles at southern side• Demolition of sunshade canopy and structural element• Excavation of bored pile at BP3• Stitch drilling of bored pile at BP4• Stitch drilling and pre-trenching of bored pile at BP5• Construction of RC column at Grid A1/16• Removal of curtain wall at west façade• Erection of temporary enclosed pedestrian walkway mock-up outside site office

2.4 PROJECT ORGANISATION

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

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

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

Table 2.2 *Summary of Environmental Licensing, Notification and Permit Status*

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
Environmental Permit	EP-239/2006	Throughout the Contract	Permit granted on 12 May 2006
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.
Construction Noise Permit for area inside the Atrium Link	GW-RS0429-06	Valid from 25 July 2006 and expired on 23 December 2006	-
	GW-RS0487-06	Valid from 21 August 2006 and expired on 30 December 2006	-
	GW-RS0535-06	Valid from 11 September 06 and expired on 30 January 07	
	PP-RS0028-06	Valid from 14 September 06 and expired on 14 November 06	
	GW-RS0646-06	Valid from 28 October 06 and expired on 31 January 07	Contractor cancelled the CNP on 27 Nov 2006.
	GW-RS0649-06	Valid from 30 October 06 and will expire on 30 May 07	Contractor cancelled the CNP on 20 Nov 2006.
	GW-RS0694-06	Valid from 21 November 06 and will expire on 30 March 07	
	PP-RS0036-06	Valid from 15 November 06 and expired on 14 January 07	
	GW-RS-0685-06	Valid from 15 November 06 and expired on 14 April 07	Contractor cancelled the CNP on 1 Dec 2006.
	GW-RS0709-06	Valid from 27 November 06 and expired on 31 January 07	
	GW-RS0535-06	Valid from 11 September 06 and expired on 30 January 07	
	GW-RS0694-06	Valid from 21 November 06 and will expire on 30 March 07	
	PP-RS0036-06	Valid from 15 November 06 and	

Permit/ Licenses/ Notification	Reference	Validity Period	Remarks
		expired on 14 January 07	
	GW-RS0709-06	Valid from 27 November 06 and expired on 31 January 07	
	GW-RS0722-06	Valid from 2 December 06 and will expire on 30 April 07	
	GW-RS0026-07	Valid from 21 January 07 and will expire on 14 July 07	
	PP-RS0043-06	Valid from 15 January 07 and will expire on 14 July 07	
	GW-RS0048-07	Valid from 26 January 07 and will expire on 28 February 07	
	GW-RS0829-06	Valid from 3 January 07 and will expire on 2 June 07	

An application for the variation of EP-239/2006 was made under the EIAO by HKTDC with respect to the following:

- Variation of Condition 2.8 in Part C of EP-239/2006;
- Amendment of *Figure 3*; and
- Variation of the Title of Designated Project in Part B and all figures in Part B of EP-239/2006.

The status of the variation of EP application will be reported in subsequent EM&A reports.

3.1 AIR QUALITY MONITORING

3.1.1 Monitoring Location

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

Table 3.1 *Air Monitoring Stations*

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

3.1.2 Monitoring Parameters, Frequency and Programme

Air quality monitoring was conducted in accordance with the requirements stipulated in the EM&A Manual (*Table 3.2*).

Table 3.2 *TSP Monitoring Parameter and Frequency*

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

3.1.3 Action and Limit Levels

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

Table 3.3 *Action and Limit Levels for Air Quality*

Parameter	Air Monitoring Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
24-hour TSP	AM1	161	260
	AM2	168	260
1-hour TSP	AM1	327	500
	AM2	329	500

3.1.4 Monitoring Equipment

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

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

Table 3.4 TSP Monitoring Equipment

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

3.1.5 Monitoring Methodology

Installation

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

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

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

Preparation of Filter Papers by ETS-Test Consultant Ltd

- glass fibre filters were labeled 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 HVSs were working properly;
- the filter holder and the area surrounding the filter were cleaned;

- the filter holder was removed by loosening the foul bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully;
- the filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
- the swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- then the shelter lid was closed and secured with the aluminum strip;
- the HVSs were warmed-up for about 5 minutes to establish run-temperature conditions;
- a new flowrate record sheet was set into the flow recorder;
- the flow rate of the HVSs was checked and adjust at around 0.6 -1.44 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 HVSs and their accessories were maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.

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

3.2 WATER QUALITY MONITORING

3.2.1 Monitoring Location

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

Table 3.5 *Water Quality Monitoring Locations*

Station	Location	Intake Level	Easting	Northing
W3	Hong Kong Convention and Exhibition Centre Phase I Cooling Water Intake	7.5m below the existing pump house floor	835852.3	815907.0
W4	Wan Chai Tower/ Revenue Tower/ Immigration Tower Cooling Water Intake ⁽¹⁾	5m below the top of the existing sea wall	835944.1	815885.0
W5	Great Eagle Centre, China Resources Building Cooling Water Intake	5m below the top of the existing sea wall	835963.4	815886.5

Note:

⁽¹⁾ The cooling water intake for Wan Chai Tower / Revenue Tower/ Immigration Tower will be partially relocated to the new pump house adjacent to Station W3 tentatively in September 2006.

3.2.2 Monitoring Parameters, Frequency and Programme

The water quality monitoring was conducted in accordance with *Table 3.6* during the period of installation and removal of temporary marine piles.

Table 3.6 *Water Quality Monitoring Parameters & Frequency*

Parameter	Frequency	No. of Samples per Monitoring Event	Duration
Dissolved Oxygen (DO) Suspended Solids (SS) Turbidity	3 days per week at mid-flood & mid-ebb tides	2	During installation and removal of temporary marine piles.

Reference was made to the predicted tides at Quarry Bay, which is the tidal station nearest to the Project Site, published on the web site of Hong Kong Observatory (<http://www.hko.gov.hk/tide/eQUBtide.htm>).

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

3.2.3 Action and Limit Levels

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

Table 3.7 *Action and Limit Levels for Water Quality*

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

3.2.4 *Monitoring Equipment and Methodology*

Dissolved oxygen and temperature measuring equipment

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

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

Turbidity Measurement Instrument

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

Suspended Solids

Water samples for suspended solids measurement were collected by use of a transparent PVC cylinder (Kahlsico Water Sampler), packed in ice (cooled to 4°C without being frozen) and delivered to the laboratory as soon as possible after collection. The SS determination work started within 24 hours after the collection of the water samples, and the testing method of SS were carried by ETS-Testconsult Ltd (HOKLAS accredited laboratory) in accordance with the APHA 19ed 2540D⁽¹⁾ and the lowest detection limit is 1 mgL⁻¹. The Quality Assurance/Quality Control (QA/QC) procedures was followed as required by HOKLAS.

Water Depth Detector

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

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

Location of the Monitoring Sites

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

Calibration of Equipment

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

IMPLEMENTATION STATUS OF ENVIRONMENTAL PROTECTION REQUIREMENTS

Weekly site inspections were carried out by the ET. Thirteen site inspections were conducted on 2, 9, 16, 23 and 30 November 2006; 7, 14, 21 and 28 December 2006 and 4, 11, 18 and 25 January 2007. The major construction activities undertaken in the reporting quarter were demolition of existing Atrium Link, land based piling works and marine piling works. The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Report, the Environmental Permit and EM&A Manual. There was no non-compliance event recorded in the reporting quarter. The implementation status of environmental mitigation and status of relevant required submissions under the EP are reported as part of the monthly EM&A reports⁽¹⁾. Relevant submissions made on these measures and requirements during the reporting period are summarized in *Annex E*.

4.1 EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING

The mitigation measures recommended in the EIA report and required by the EP are considered effective in minimizing environmental impacts.

The EM&A for the Project was conducted as scheduled during the reporting quarter. Immediate notification was issued to relevant parties when non-compliance event was observed during site auditing and exceedances recorded after receiving the monitoring results. This enabled remedial actions to be taken and preventive measures to be implemented by the Contractor in a timely manner to minimize further impact on the environment. For the above reasons, the EM&A programme is considered effective.

⁽¹⁾ The Monthly EM&A Reports for November, December 2006 and January 2007 were submitted to the EPD on 16 November, 14 December 2006 and 15 January 2007 respectively.

5.1 AIR QUALITY

The monitoring data at AM1 and AM2 were provided by ETS-Testconsult Ltd. Sixteen sets of 24-hour and forty-eight sets of 1-hour TSP monitoring were carried out at the designated monitoring stations (AM1 & AM2) during the reporting period. The monitoring data for 24-hour TSP and 1-hour TSP with weather conditions and graphical presentations are presented in *Annex F*.

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

No exceedance of 24-hour TSP and 1-hour TSP was recorded at the monitoring stations during this quarter. The measured 24-hr TSP at both stations varied in the reporting quarter with the measured TSP levels range from 69 - 145 μgm^{-3} at AM1 and from 58 - 143 μgm^{-3} at AM2.

5.2 WATER QUALITY

Water quality monitoring has been conducted since 17 October 2006 with the installation of temporary marine piles commenced on 16 October 2006. Results of water quality monitoring were provided by ETS-Testconsult Ltd. Thirty-eight sets of water quality measurement, recorded at mid-flood and mid-ebb tides, were carried out at the designated monitoring stations W3, W4 and W5. The monitoring data and graphical presentations are summarized in *Annex G*. The monitoring results can also be viewed at the Project EM&A web-site (<http://www.hkcecema.com/index.html>).

Exceedances of water quality parameters including turbidity at the monitoring stations during the reporting month are summarized in *Table 5.1*.

Table 5.1 *Summary of Record of Exceedance of Water Quality Parameters for the Reporting Quarter*

Station	Record of Exceedance
W3	Exceedance of Action Level of Turbidity on 2 November 2006
W4	Exceedance of Action Level of Turbidity on 2 November 2006
W5	Exceedance of Action Level of Turbidity on 2 November 2006

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

Exceedance of Action Level of turbidity recorded on 2 November 2006 was likely due to natural fluctuation rather than Project works as no silty water was observed to be discharged from the site to the water channel. In addition, the gravimetric measurement of SS in the laboratory, which is

considered a more accurate and quantitative measurement, complied with the Action Level, indicating the water quality was acceptable as compared with the Action Level.

The turbidity of water quality recorded after 2 November 2006 returned to levels in compliance with Action level. No further follow-up corrective action is therefore required.

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 H*).

With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting quarter are summarized in *Table 5.2*.

Table 5.2 *Quantities of Waste Generated from the Project*

Month / Year	Quantity		
	C&D Materials (inert) ^(a)	C&D Wastes (non-inert) ^(b)	Chemical Waste
November 2006	2,091 tonnes	166.5 tonnes (excluding 100 tonnes steel material)	0
December 2006	1,717 tonnes	110.3 tonnes (excluding 80 tonnes steel material)	0
January 2007	924 tonnes	140 tonnes (excluding 90 tonnes steel material)	0
Total	4,732 tonnes	416.8 tonnes (excluding 270 tonnes steel material)	0

Notes:

(a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil. 2.5 tonnes of inert C&D materials were reused in this Project. Non-reused inert C&D materials were disposed at the public fill barging point at Quarry Bay.

(b) C&D wastes include steel materials generated from demolition of footbridge, the existing Atrium Link and working platform, paper / cardboard packaging waste, chemical waste and other wastes such as general refuse. A total of 270 tonnes of steel material were sent to recycler and the remaining C&D wastes other than general refuse were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility.

The major construction activities undertaken in the reporting quarter were demolition of existing Atrium Link, land-based piling works and marine piling works. A total of 4,732 tonnes of inert C&D materials (including 2.5 tonnes materials reused in this Project) and 416.8 tonnes of C&D wastes were generated during the reporting quarter. The C&D wastes and inert C&D materials generated from the Project were disposed of at SENT Landfill / Tseung Kwan O Area 137 temporary construction waste sorting facility and the public fill barging point at Quarry Bay respectively.

6.1 *SUMMARY OF ENVIRONMENTAL EXCEEDANCE*

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

Three Notification of Exceedance with detailed investigation reports were issued during the reporting period for water quality monitoring exceedances on turbidity at the monitoring stations W3, W4 and W5. Details of the exceedances recorded were presented in *Section 5.1*.

6.2 *SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE*

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

6.3 *SUMMARY OF ENVIRONMENTAL COMPLAINT*

No complaint was received during the reporting period.

6.4 *SUMMARY OF ENVIRONMENTAL SUMMONS AND PROSECUTION*

There was no summons or prosecution on environmental matters during the reporting period.

7.1 AIR QUALITY

Since the EIA only have qualitative assessment of dust impact during construction phase, the comparison was made on monitoring results and the Hong Kong Air Quality Objectives (HKAQO) (*Table 8.1*).

Table 7.1 Comparison of the HKAQO and Air Quality Monitoring Results

Month	Monitoring Stations	Corresponding ASR in EIA	HKAQO, $\mu\text{g}/\text{m}^3$	Measured 24 hour TSP Monitoring Results, $\mu\text{g}/\text{m}^3$ ⁽²⁾	
			24 hour ⁽¹⁾	Average	Range
Nov 2006	AM1	AM8	260	107	78 – 145
	AM2	AM6	260	94	58 – 127
Dec 2006	AM1	AM8	260	96	76 – 133
	AM2	AM6	260	83	58 – 133
Jan 2007	AM1	AM8	260	96	69 – 136
	AM2	AM6	260	92	62 – 143
Remarks:					
⁽¹⁾ Only 24 hours TSP monitoring results were compared as there is no maximum allowable concentration of 1 hour TSP in HKAQO.					

The monitoring results show that air quality impacts from construction activities during the reporting period were well below maximum allowable concentration stipulated in the HKAQO. Recommended mitigation measures in *Section 4.24* of EIA were implemented during the reporting period and were considered as effective.

7.2 WATER QUALITY

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

7.3 WASTE MANAGEMENT

The estimated amount of waste generated in this project and the quantities of waste generated during the reporting period are presented in *Table 8.2*. Recommended mitigation measures in *Sections 6.35 to 6.41* of the EIA report are implemented during the reporting period. These measures are regarded as effective.

Table 7.2 **Comparison of the Estimated Amount and the Actual Amount of Waste Generated**

Type of Material	Estimated Amount of C&D Materials in EIA (inert & non-inert)	Actual Amount of C&D Materials Recorded ⁽¹⁾ (inert & non-inert)
Demolition of temp. footbridge	585 tonnes	0
Demolition of existing Atrium Link	4,680 tonnes	300
Demolition of temp. working platform	390 tonnes	0
Construction of foundations and pile caps	20,000 tonnes	8963 tonnes
General Refuse	Insignificant	335 tonnes
Chemical Waste	Small	0
Remark: (1) The actual amount of C&D Materials was recorded since the commencement of construction works in August 2006.		

7.4 CONCLUSION OF REVIEW

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

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

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

Three Notifications of Exceedance (NOE) with detailed investigations reports were issued during the reporting quarter for recording water quality monitoring exceedances on turbidity of the monitoring stations. Exceedance of Action Level of turbidity recorded on 2 November 2006 was associated with natural fluctuation rather than Project works as no silty water was observed to be discharged from the site to the water channel. In addition, the gravimetric measurement of SS in the laboratory, which is considered a more accurate and quantitative measurement, complied with the Action Level, indicating the water quality was acceptable as compared with the Action Level. No further follow-up corrective action was required.

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

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

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

Annex A

Locations of Works Areas

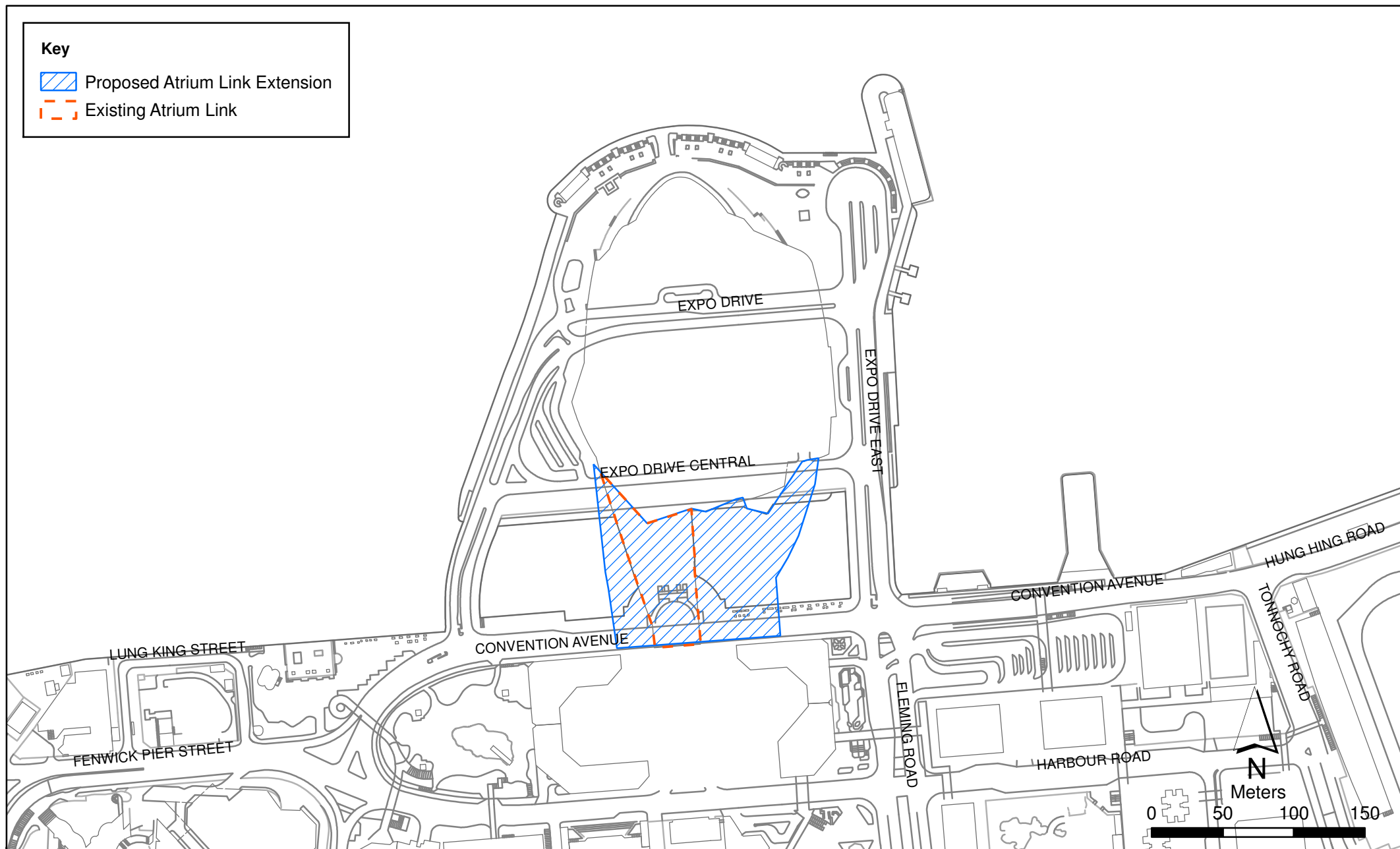
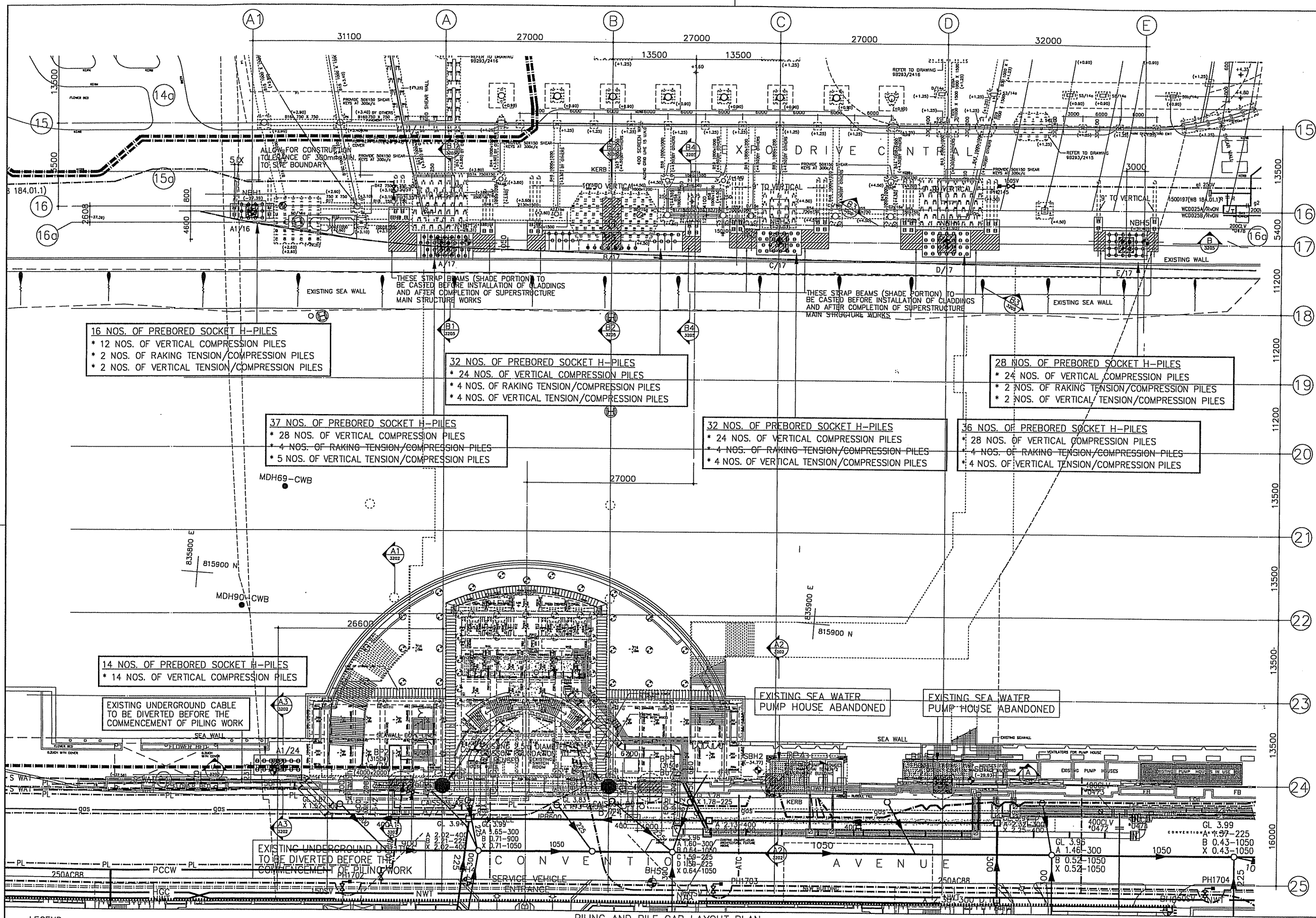


Figure A1

Location of Atrium Link Extension






Annex B

Location of Construction
Activities during the
Reporting Quarter



B.L.D. REF		
F.S.D. REF		
REVISIONS		
NUMBER	DESCRIPTION	DATE
-	FOR SUBMISSION	9-6-06
A	PIILING FOR COLUMNS A1/24, A16/24, A/24, B/24 & B2/24 REVISED.	20-7-06
	FOR AMENDMENT SUBMISSION	21-7-06
B	PIILING FOR COLUMNS A1/16, A/17, B/17, C/17, D/17 & E/17 REVISED.	25-7-06
	FOR AMENDMENT SUBMISSION	26-7-06
C	REVISE DETAILS FOR BP4, BP5	31-7-06
	FOR AMENDMENT SUBMISSION (MTR)	3-8-06
D	REVISE DETAILS FOR A1/16, A/17, B/17, C/17, D/17 & E/17	4-8-06
	REPLACE SUBMISSION AT 26-7-06	4-8-06
E	FOR SUBMISSION TO CEDD	10-8-06
F	COLUMN A/17 LOCATION REVISED.	18-8-06

AMENDED PLAN

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

PROGRESS PRINT

Summary of Works for November 2006

Description	Location
Pre-bored H piles at southern and northern sides	(A/17), (A1/16), (A1/24), (B/17), (C/17), (D/17), (E17)
Mini piles for marine platform at southern and northern sides	G/F North & South Side (RP20-36)
Marine Pile Installation	Sea channel
Demolition of Phase II at Grid 16/B-D from upper roof down to Level 2	Grid 16/B-D, Upper roof to Level 2
Corrugated sheet and waterproofing work for west facade hoarding at west facade	West facade
Hoarding Erection	Levels 2-7
Demolition of sunshade canopy	West facade

Summary of Works for December 2006

Description	Location
Pre-bored H piles at southern and northern sides	(A/17), (A1/16), (A1/24), (B/17), (C/17), (D/17), (E/17)
Mini piles for marine platform at southern and northern sides	G/F North & South Side (RP20-36)
Marine Pile Installation	Sea channel
Excavation of bored pile (BP3)	Ba/24 South Shore
Stitch drilling of bored pile (BP4)	C/24 South Shore
Stitch drilling of bored pile (BP5)	D/24 South Shore
Pre-trenching of bored pile (BP5)	D/24 South Shore
Pile cap installation	Grid A1/16, Grid A1/24
Construction of RC Column	Grid A1/16, Grid A1/24
Demolition of Phase II at Grid 16/B-D from upper roof down to Level 2	Grid 16/B-D, Upper roof to Level 2
Removal of curtain wall	West Façade Grid 16-20, Grid 20-23
Erection of temporary enclosed pedestrian walkway mock-up	Outside site office

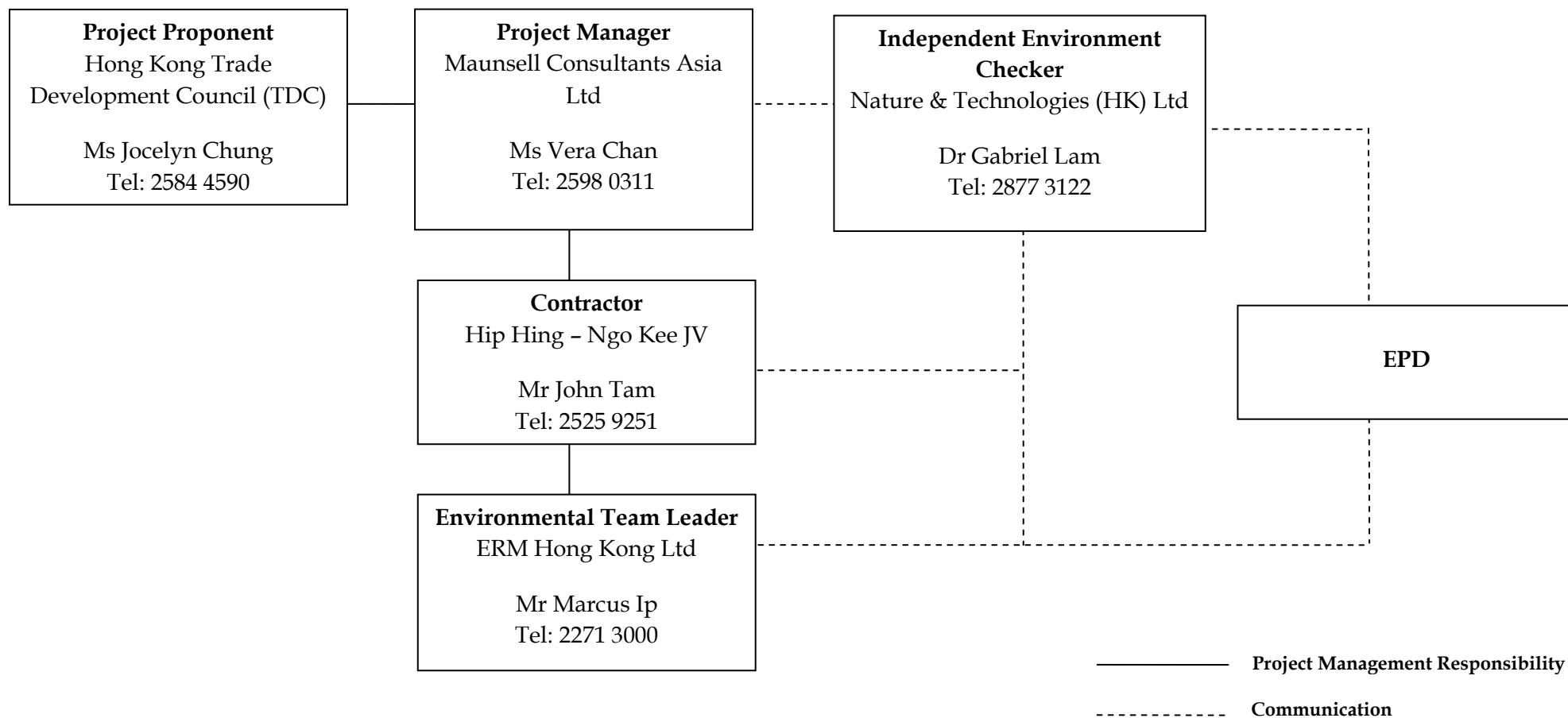
Summary of Works for January 2007

Description	Location
Pre-bored H piles at northern sides	B/17, C/17 and D/17
Mini piles for marine platform at southern and northern sides	G/F North & South Side (RP20-36)
Marine Pile Installation	Sea channel
Pre-trenching of bored pile (BP4)	Ba/24 South Shore
Drilling of bored pile (BP5)	Ba/24 South Shore
Construction of RC Column	Grid A1/25
Removal of existing Level 2 and 3 floor structure	Grid 16-23/A1-A
Erection of temporary enclosed pedestrian walkway mock-up	Outside site office

Annex C

Project Organization Chart and Contact Detail

Project Organization (with contact details)



Annex D

Location of Monitoring Stations

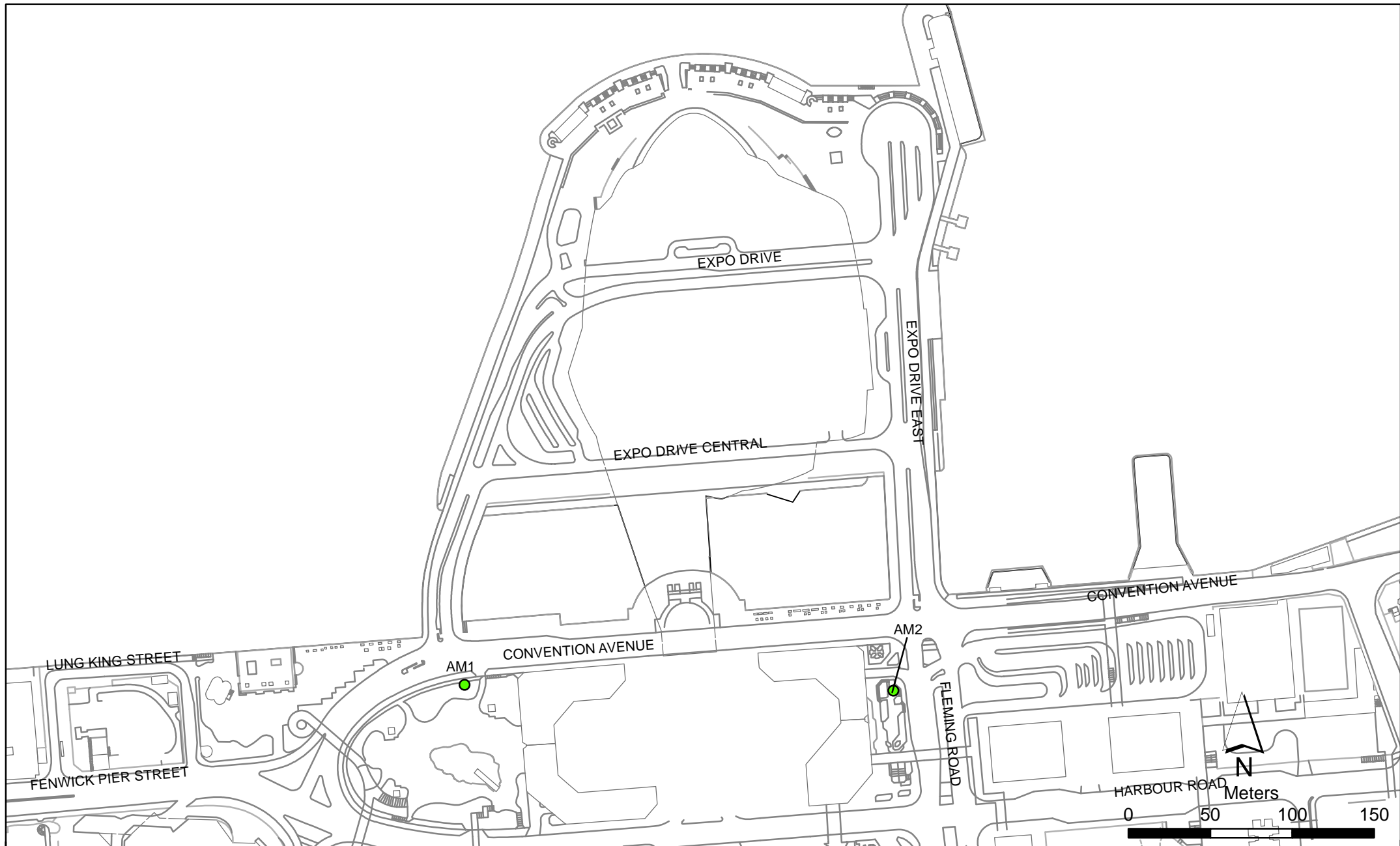


Figure D1

Air Quality Monitoring Station

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

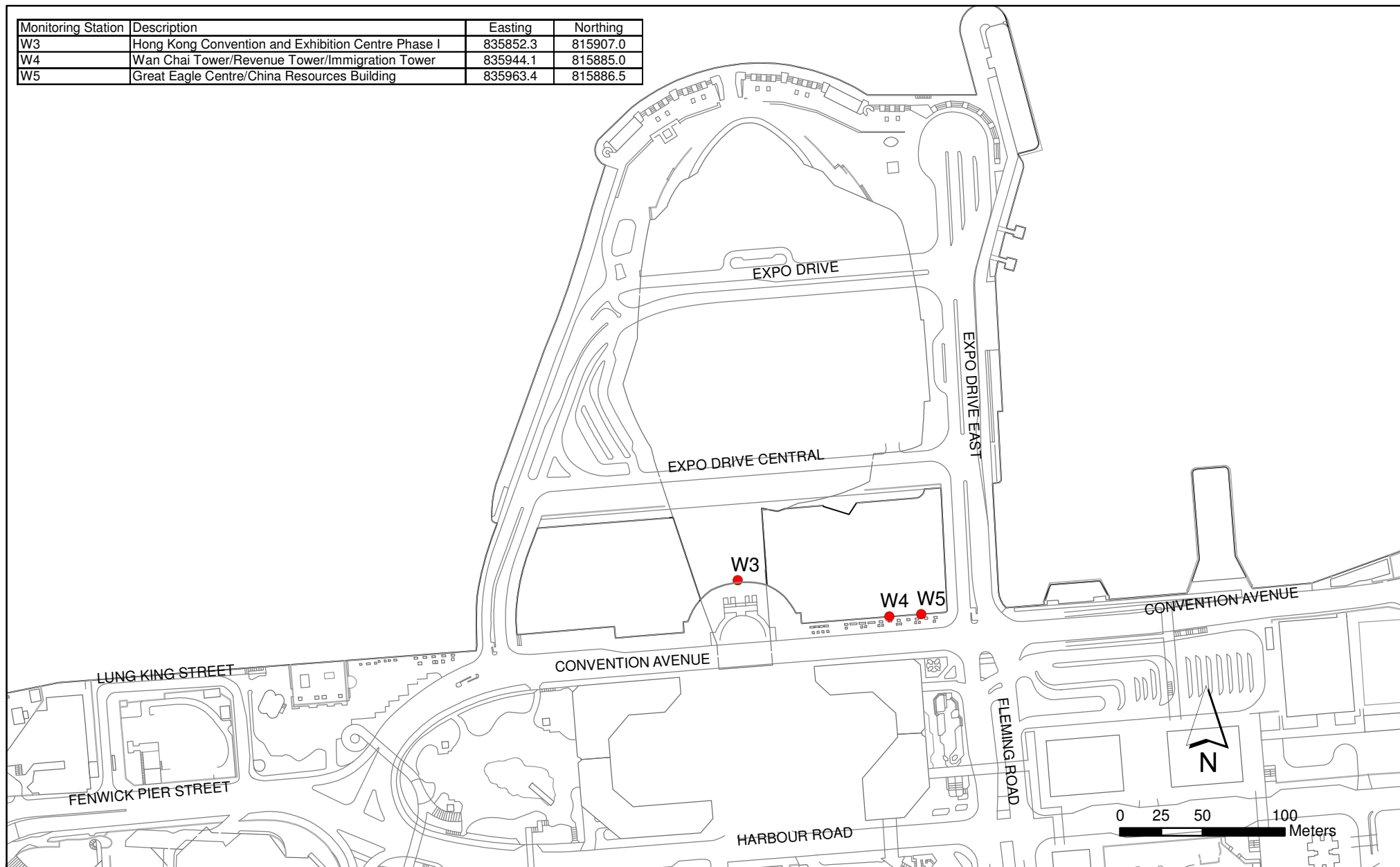


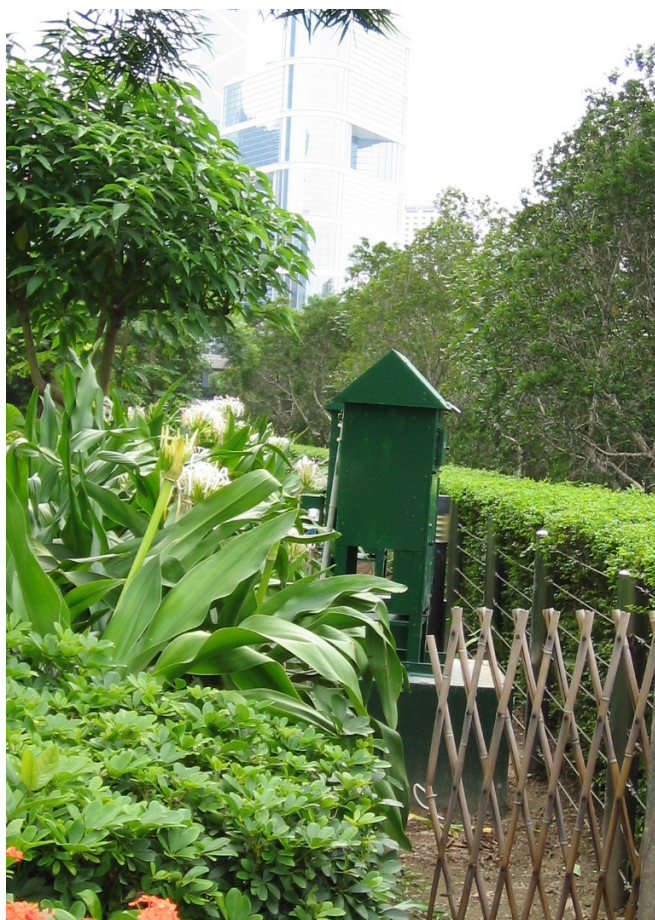
Figure D2

Marine Water Quality Monitoring Stations

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

Environmental
Resources
Management





Air Quality Monitoring Station (AM1)



Air Quality Monitoring Station (AM2)



Water Quality Monitoring Location – Station W3



Water Quality Monitoring Location – Stations W4 and W5

Annex E

Summary of Implementation Status

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Construction Phase</i>			
Air Quality	<p>The Air Pollution Control (Construction Dust) Regulation shall be implemented and good site practices shall be incorporated in the contract clauses to minimize construction dust impact. A number of practical measures are listed below:</p> <ul style="list-style-type: none"> • skip hoist for material transport should be totally enclosed by impervious sheeting; • every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site; • the area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; • where a site boundary adjoins a road, streets or other accessible to the public, hoarding of not less than 2.4 m high from ground level should be provided along the entire length except for a site entrance or exit; • every stock of more than 20 bags of cement should be covered entirely by impervious sheeting placed in an area sheltered on the top and the 3 sides; • all dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet; • the height from which excavated materials dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading; • the load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle; and • instigation of an environmental monitoring auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise. 	Work site / during construction	√

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Operational Phase</i>			
Air Quality	Some fresh air intakes of the Hong Kong Convention and Exhibition Centre Phase I, Renaissance Harbour View Hotel and Grand Hyatt Hotel (ASRs A4, A5 and A6) should be re-diverted to the new air vent shaft provided for Atrium Link Extension where fresh air intake located at +55.8mPD.	Location of ASRs A4, A5 & A6 / Design & Operation Stage (Long-term and Interim Scenario)	Measures not required until commencement of operational phase
Air Quality	Monitoring of NO 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
<i>Construction Phase</i>			
Noise	<p>Good Site Practice:</p> <ul style="list-style-type: none"> 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 on-site construction activities; <p>Environmental audit shall be carried out to ensure that appropriate noise control measures would be properly implemented.</p>	Construction work areas / Construction period	√

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
<i>Operational Phase</i>			
Noise	<p>The following noise reduction measures should be considered as far as practicable during detailed design:</p> <ul style="list-style-type: none"> • 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
<i>Construction Phase</i>			
Water Quality	There should be no permanent structure in the water channel.	At the ALE sea channel / during operational phase	√
Water Quality	No dredging and no reclamation should be carried out for the Project.	At work sites / during construction phase	√
Water Quality	The marine pile layout as shown in Figure 2.6 of the EIA report should be adopted. No more than approximately 80 numbers of temporary marine piles should be installed in the ALE sea channel during the construction phase. The dimension of each temporary marine pile should be 800mm nominal diameter. These piles should be driven into position and internal space should not be excavated, i.e. left as soil. No dredging or soil /sediment excavation should be carried out. Marine piles would be removed by reverse driving.	At work sites / during construction phase	Only Stage 1 marine piling works have commenced and relevant environmental measures were implemented
Water Quality	Two layers of silt curtain should be installed around each of the marine piling and pile extraction locations. The proposed silt curtain should be extended to seabed with sinker blocks and regularly inspected and maintained to ensure it is serviceable.	At marine work sites and nearby seawater intakes / during marine piling and marine pile extraction	Δ

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.</p> <p>Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:</p> <ul style="list-style-type: none"> • suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport; • chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and • storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. 		
Water Quality	<p>To minimize the potential water quality impacts from the construction works located at or near the storm system or seafront, the following mitigation measures should be adopted:</p> <ul style="list-style-type: none"> • the use of less or smaller construction plants may be specified to reduce the disturbance to the seabed; • temporary sewerage system should be designed to prevent wastewater from entering the storm system and sea; • temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any water courses during carrying out of the construction works; • stockpiling of construction materials and dusty materials should be covered and located away from any water courses; • construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby water receivers; • construction activities, which generate large amount of 	Works areas / construction period	Δ

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>wastewater, should be carried out in a distance away from the waterfront, where practicable;</p> <ul style="list-style-type: none"> • mitigation measures to control site runoff from entering the nearby water environment should be implemented to minimize water quality impacts. Surface channels should be provided along the edge of the waterfront within the work sites to intercept the runoff; • construction effluent, site run-off and sewage should be properly collected and/or treated; • proper shoring may need to be erected in order to prevent soil/mud from slipping into the storm culvert/sea; and • supervisory staff should be assigned to station on site to closely supervise and monitor the works. 		
Water Quality	If monitoring of the treated effluent quality from the Works Areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the WPCO license which is under the ambit of regional office (RO) of EPD. The contractor should submit detailed monitoring programme to EPD for approval before commencement of the construction activities.	Works areas / construction period	√
Water Quality	Monitoring of the water quality at the seawater intakes inside the ALE sea channel should be conducted.	ALE sea channel / Before construction period and during installation and removal of temporary marine piles.	√
Water Quality	All barges should be fitted with tight seals to their bottom opening to prevent leakage of materials. The decks of all vessels should be kept tidy and free of oil or other substances that might be accidentally or otherwise washed overboard. Loading of barges should be controlled to prevent splashing of materials to the surrounding environment and barges should under no circumstances be filled to a level which would cause overflowing of material or sediment laden water during loading and transportation. All barges should maintain adequate clearance between vessels and the seabed at all states of the tide and	Works areas / construction period	No barge will be required for the project.

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	should operate at a reduced speeds to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.		
Water Quality	Connection of sewage generated from the ALE will be connected to the existing public sewer. For handling, treatment and disposal of other operational stage effluent, the practices outlined in ProPECC PN 5/93 should be adopted where applicable. Consensus from DSD should be sought on technical details of the drainage and sewerage proposals.	Project site / design and construction period	Relevant works have yet to be commenced / completed
<i>Construction Phase</i>			
Waste	<p>Recommendations for good site practices during the construction activities include:</p> <ul style="list-style-type: none"> • nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all Wastes generated at the site; • training of site personnel in proper waste management and chemical handling procedures; • provision of sufficient waste disposal points and regular collection of waste; • appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. 	Work site / during the construction period	Δ
Waste	<p>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> • sorting of demolition debris and excavated materials from demolition works to recover reusable/ recyclable portions (ie soil, broken concrete, metal, etc); • segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or 	Work site / during the construction period	√

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

Type of Impact	Environmental Protection Measures	Location/ Timing	Status
	<p>reference to ETWB TCW No.31/2004 for details;</p> <ul style="list-style-type: none"> 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	<p><u>Chemical Wastes</u></p> <p>If chemical wastes are produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer and to follow the guidelines stated in the <i>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</i>. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosives, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. For this Project, the amount of chemical wastes produced would be small.</p>	Work site / during the construction period	√
<i>Operational Phase</i>			
Waste	<p><u>General Refuse</u></p> <p>Similar to the existing situation, the main waste type generated during the operation stage of the Project will be general refuse generated by the public and staff. These include waste paper, food wrappings and beverage containers. The disposal of future waste arisings generated at the HKCEC would follow the existing handling and disposal arrangement. Provided proper</p>	Work site / during the construction period	Measures not required until commencement of operational phase

Summary of Mitigation Measures Implementation Schedule

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

Summary of Mitigation Measures Implementation Schedule

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

Remark:

- √ Compliance of Mitigation Measures
- ◇ Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Hip Hing – Ngo Kee JV
- Δ Deficiency of Mitigation Measures but rectified by Hip Hing – Ngo Kee JV

Annex F

24-hour and 1-hour TSP Monitoring Results

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

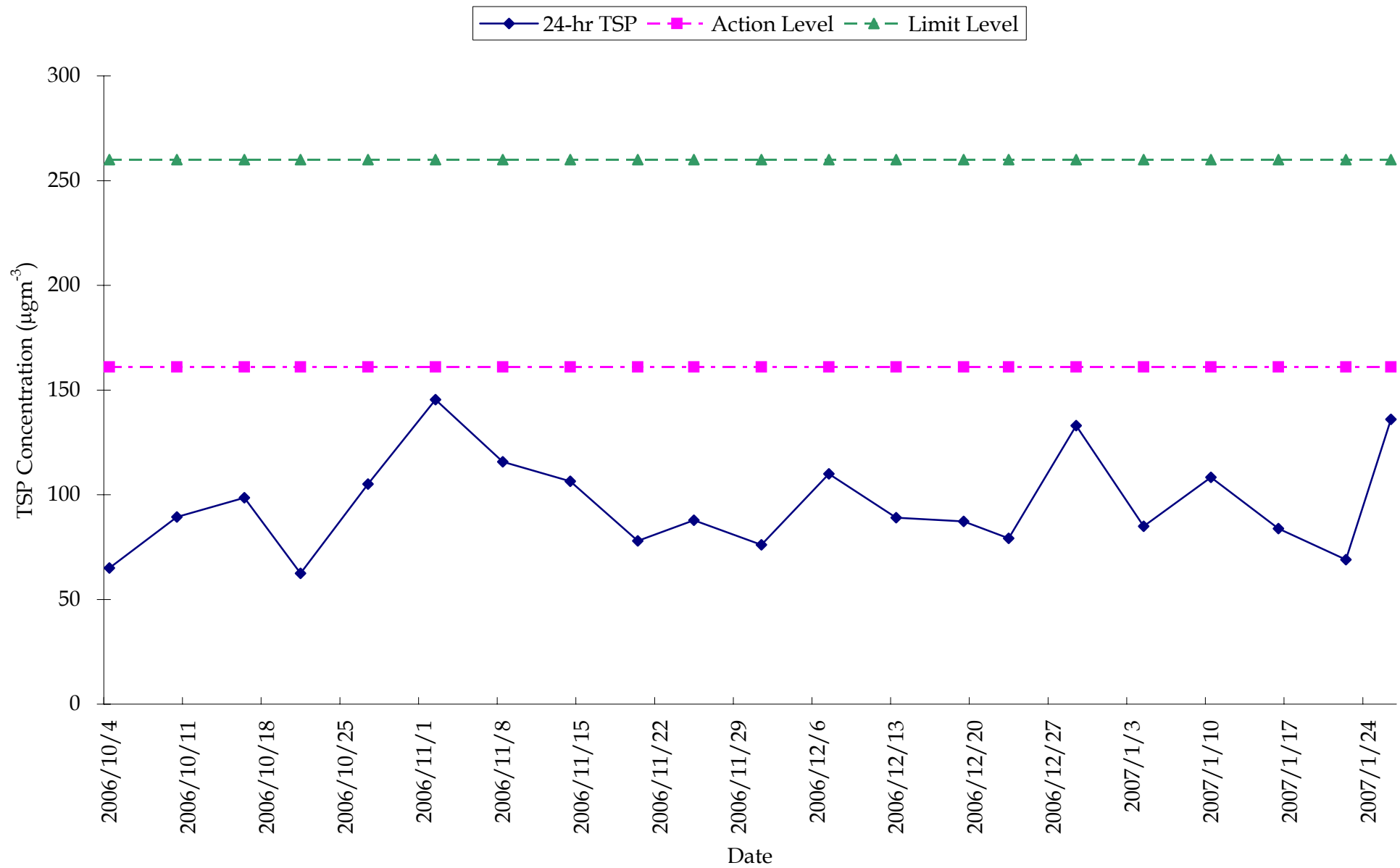


Figure G2 - Measured 24-hour TSP Concentration (μgm^{-3}) at AM2

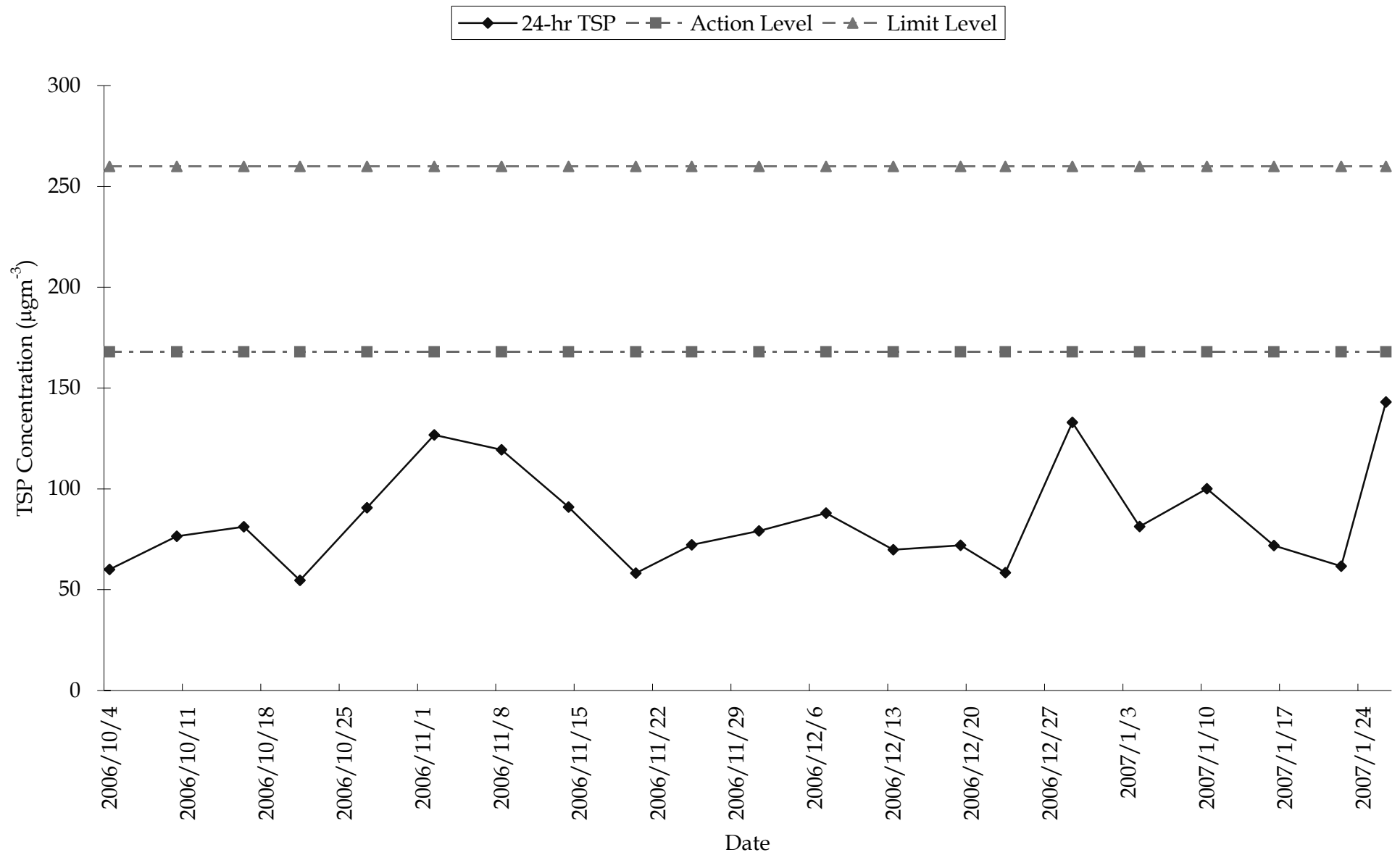


Figure G3 - Measured 1-hour TSP Concentration ($\mu\text{g}\text{m}^{-3}$) at AM1

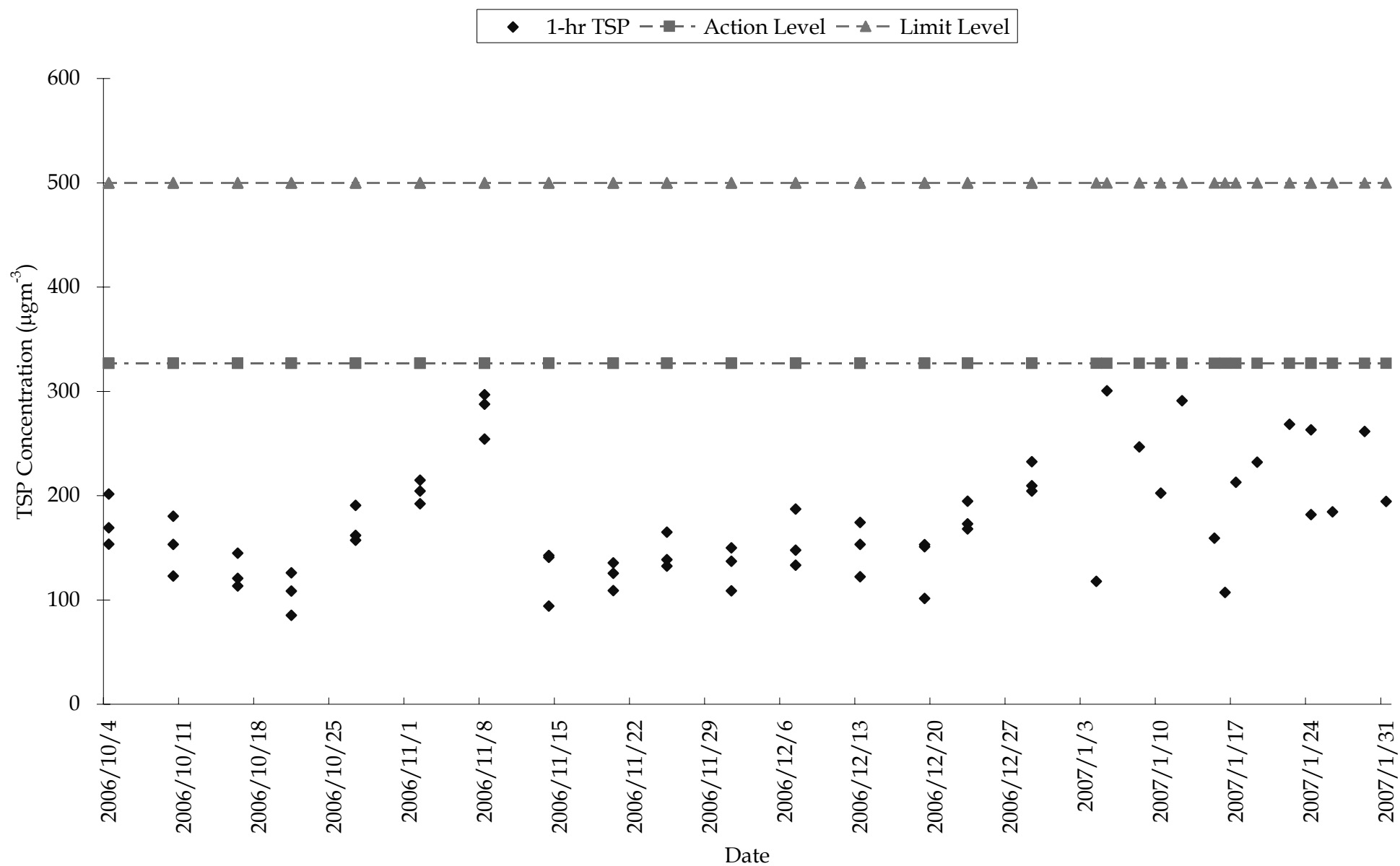
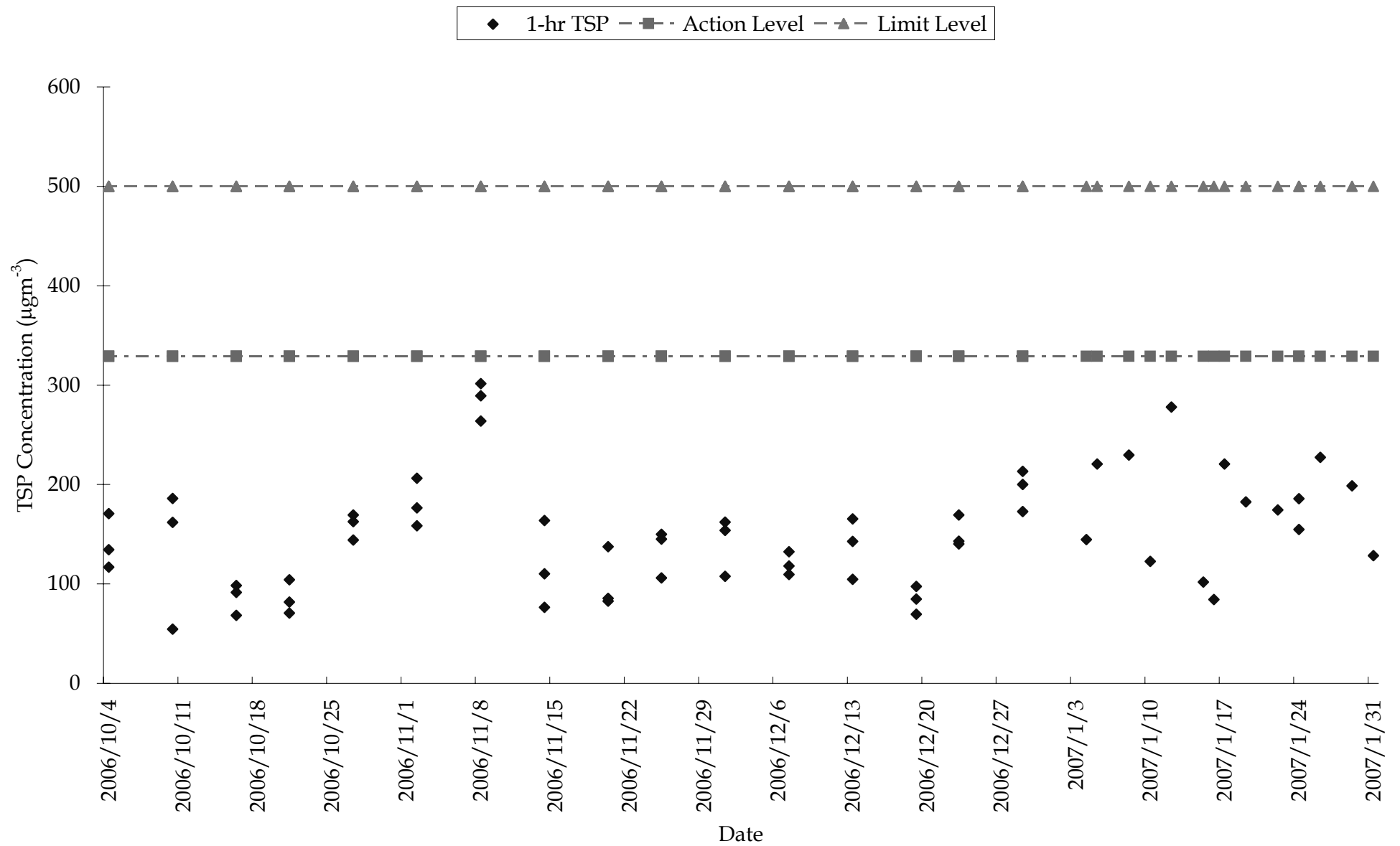


Figure G4 - Measured 1-hour TSP Concentration (μgm^{-3}) at AM2



24-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
02-Nov-06	2.8860	3.1166	1.10	1.10	10779.1	10803.1	24.0	145	Sunny	23.3	0.2306	1.10	1585.4
08-Nov-06	2.8599	3.0330	1.04	1.04	10806.1	10830.1	24.0	116	Fine	23.0	0.1731	1.04	1496.2
14-Nov-06	2.9421	3.1108	1.10	1.10	10833.1	10857.1	24.0	106	Sunny	24.0	0.1687	1.10	1585.4
20-Nov-06	2.8986	3.0187	1.07	1.07	10860.1	10884.1	24.0	78	Cloudy	23.1	0.1201	1.07	1540.2
25-Nov-06	2.9034	3.0387	1.07	1.07	10887.1	10911.1	24.0	88	Fine	22.4	0.1353	1.07	1540.8
								Min	78				
								Max	145				
								Average	107				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
02-Nov-06	2.8819	3.1421	1.43	1.43	9204.9	9228.9	24.0	127	Sunny	23.3	0.2602	1.43	2052.0
08-Nov-06	2.9198	3.1648	1.43	1.43	9232.0	9256.0	24.0	119	Fine	23.0	0.2450	1.43	2052.0
14-Nov-06	2.9214	3.1081	1.43	1.43	9259.0	9283.0	24.0	91	Sunny	24.0	0.1867	1.43	2052.0
20-Nov-06	2.8824	3.0042	1.45	1.45	9286.0	9310.0	24.0	58	Cloudy	23.1	0.1218	1.45	2090.9
25-Nov-06	2.9057	3.0595	1.48	1.48	9313.0	9337.0	24.0	72	Fine	22.4	0.1538	1.48	2129.8
								Min	58				
								Max	127				
								Average	94				

1-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
02-Nov-06	2.8915	2.9042	1.10	1.10	10776.1	10777.1	1.0	192	Sunny	23.3	0.0127	1.10	66.1
02-Nov-06	2.8964	2.9110	1.13	1.13	10777.1	10778.1	1.0	215	Sunny	23.3	0.0146	1.13	68.0
02-Nov-06	2.8722	2.8861	1.13	1.13	10778.1	10779.1	1.0	204	Sunny	23.3	0.0139	1.13	68.0
08-Nov-06	2.8832	2.9000	1.10	1.10	10803.1	10804.1	1.0	254	Fine	23.0	0.0168	1.10	66.1
08-Nov-06	2.8652	2.8842	1.10	1.10	10804.1	10805.1	1.0	288	Fine	23.0	0.0190	1.10	66.1
08-Nov-06	2.8623	2.8819	1.10	1.10	10805.1	10806.1	1.0	297	Fine	23.0	0.0196	1.10	66.1
14-Nov-06	2.9168	2.9265	1.13	1.13	10830.1	10831.1	1.0	143	Sunny	24.0	0.0097	1.13	68.0
14-Nov-06	2.8952	2.9045	1.10	1.10	10831.1	10832.1	1.0	141	Sunny	24.0	0.0093	1.10	66.1
14-Nov-06	2.9394	2.9458	1.13	1.13	10832.1	10833.1	1.0	94	Sunny	24.0	0.0064	1.13	68.0
20-Nov-06	2.8959	2.9042	1.10	1.10	10857.1	10858.1	1.0	126	Cloudy	23.1	0.0083	1.10	66.1
20-Nov-06	2.8973	2.9043	1.07	1.07	10858.1	10859.1	1.0	109	Cloudy	23.1	0.0070	1.07	64.2
20-Nov-06	2.9065	2.9152	1.07	1.07	10859.1	10860.1	1.0	136	Cloudy	23.1	0.0087	1.07	64.2
25-Nov-06	2.8813	2.8902	1.07	1.07	10884.1	10885.1	1.0	139	Fine	22.4	0.0089	1.07	64.2
25-Nov-06	2.8943	2.9049	1.07	1.07	10885.1	10886.1	1.0	165	Fine	22.4	0.0106	1.07	64.2
25-Nov-06	2.8971	2.9056	1.07	1.07	10886.1	10887.1	1.0	132	Fine	22.4	0.0085	1.07	64.2
								Min	94				
								Max	297				
								Average	176				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
02-Nov-06	2.8663	2.8814	1.43	1.43	9201.9	9202.9	1.0	177	Sunny	23.3	0.0151	1.43	85.5
02-Nov-06	2.8903	2.9076	1.40	1.40	9202.9	9203.9	1.0	206	Sunny	23.3	0.0173	1.40	83.9
02-Nov-06	2.8843	2.8976	1.40	1.40	9203.9	9204.9	1.0	159	Sunny	23.3	0.0133	1.40	83.9
08-Nov-06	2.8709	2.8926	1.37	1.37	9229.0	9230.0	1.0	264	Fine	23.0	0.0217	1.37	82.3
08-Nov-06	2.8908	2.9156	1.37	1.37	9230.0	9231.0	1.0	301	Fine	23.0	0.0248	1.37	82.3
08-Nov-06	2.8749	2.8987	1.37	1.37	9231.0	9232.0	1.0	289	Fine	23.0	0.0238	1.37	82.3
14-Nov-06	2.9198	2.9285	1.32	1.32	9256.0	9257.0	1.0	110	Sunny	24.0	0.0087	1.32	79.0
14-Nov-06	2.9102	2.9242	1.43	1.43	9257.0	9258.0	1.0	164	Sunny	24.0	0.0140	1.43	85.5
14-Nov-06	2.9107	2.9170	1.37	1.37	9258.0	9259.0	1.0	77	Sunny	24.0	0.0063	1.37	82.3
20-Nov-06	2.8898	2.9011	1.37	1.37	9283.0	9284.0	1.0	137	Cloudy	23.1	0.0113	1.37	82.3
20-Nov-06	2.9005	2.9073	1.37	1.37	9284.0	9285.0	1.0	83	Cloudy	23.1	0.0068	1.37	82.3
20-Nov-06	2.8954	2.9023	1.34	1.34	9285.0	9286.0	1.0	86	Cloudy	23.1	0.0069	1.34	80.6
25-Nov-06	2.9133	2.9254	1.34	1.34	9310.0	9311.0	1.0	150	Fine	22.4	0.0121	1.34	80.6
25-Nov-06	2.9069	2.9186	1.34	1.34	9311.0	9312.0	1.0	145	Fine	22.4	0.0117	1.34	80.6
25-Nov-06	2.8982	2.9071	1.40	1.40	9312.0	9313.0	1.0	106	Fine	22.4	0.0089	1.40	83.9
								Min	77				
								Max	301				
								Average	164				

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

Date	Weather	King's Park Station				
		Average Air Temperature (°C)	Average Wind Speed (km/h)	Average Relative Humiditiy (%)	Total Rainfall (mm)	Wind Direction
02-Nov-06	Sunny	23.3	12.0	52	0.0	N
08-Nov-06	Fine	23.0	10.3	67	0.0	E
14-Nov-06	Sunny	24.0	6.1	76	0.0	E
20-Nov-06	Cloudy	23.1	7.8	81	0.0	E
25-Nov-06	Fine	22.4	11.5	91	1.0	E

24-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
1-Dec-06	2.9120	2.9846	0.66	0.66	10914.5	10938.5	24.0	76	Sunny	18.7	0.0726	0.66	954.7
7-Dec-06	2.9191	3.0836	1.04	1.04	10941.5	10965.5	24.0	110	Sunny	22.4	0.1645	1.04	1496.2
13-Dec-06	2.8353	2.9725	1.07	1.07	10968.5	10992.5	24.0	89	Rainy	19.6	0.1372	1.07	1540.8
19-Dec-06	2.8036	2.9460	1.13	1.13	10995.5	11019.5	24.0	87	Sunny	16.1	0.1424	1.13	1631.5
23-Dec-06	2.8329	2.9549	1.07	1.07	11022.5	11046.5	24.0	79	Sunny	16.9	0.1220	1.07	1540.8
29-Dec-06	2.7775	2.9433	0.87	0.87	11049.5	11073.5	24.0	133	Sunny	14.6	0.1658	0.87	1247.4
								Min	76				
								Max	133				
								Average	96				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
1-Dec-06	2.9229	3.0915	1.48	1.48	9340.0	9364.0	24.0	79	Sunny	18.7	0.1686	1.48	2129.8
7-Dec-06	2.8893	3.0767	1.48	1.48	9367.0	9391.0	24.0	88	Sunny	22.4	0.1874	1.48	2129.8
13-Dec-06	2.8231	2.9718	1.48	1.48	9394.0	9418.0	24.0	70	Rainy	19.6	0.1487	1.48	2129.8
19-Dec-06	2.8023	2.9528	1.45	1.45	9421.0	9445.0	24.0	72	Sunny	16.1	0.1505	1.45	2090.9
23-Dec-06	2.8453	2.9608	1.37	1.37	9448.0	9472.0	24.0	58	Sunny	16.9	0.1155	1.37	1975.1
29-Dec-06	2.7920	3.0485	1.34	1.34	9475.0	9499.0	24.0	133	Sunny	14.6	0.2565	1.34	1930.2
								Min	58				
								Max	133				
								Average	83				

1-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
1-Dec-06	2.9116	2.9204	1.07	1.07	10911.5	10912.5	1.0	137	Sunny	18.7	0.0088	1.07	64.2
1-Dec-06	2.9076	2.9223	1.63	1.63	10912.5	10913.5	1.0	150	Sunny	18.7	0.0147	1.63	98.0
1-Dec-06	2.9076	2.9152	1.16	1.16	10913.5	10914.5	1.0	109	Sunny	18.7	0.0076	1.16	69.8
7-Dec-06	2.9025	2.9078	0.66	0.66	10938.5	10939.5	1.0	133	Sunny	22.4	0.0053	0.66	39.8
7-Dec-06	2.8983	2.9082	0.88	0.88	10939.5	10940.5	1.0	187	Sunny	22.4	0.0099	0.88	52.9
7-Dec-06	2.9090	2.9171	0.91	0.91	10940.5	10941.5	1.0	148	Sunny	22.4	0.0081	0.91	54.8
13-Dec-06	2.8695	2.8784	0.85	0.85	10965.5	10966.5	1.0	174	Rainy	19.6	0.0089	0.85	51.1
13-Dec-06	2.8952	2.9036	0.91	0.91	10966.5	10967.5	1.0	153	Rainy	19.6	0.0084	0.91	54.8
13-Dec-06	2.8874	2.8941	0.91	0.91	10967.5	10968.5	1.0	122	Rainy	19.6	0.0067	0.91	54.8
19-Dec-06	2.8114	2.8211	1.07	1.07	10992.5	10993.5	1.0	151	Sunny	16.1	0.0097	1.07	64.2
19-Dec-06	2.7887	2.7956	1.13	1.13	10993.5	10994.5	1.0	102	Sunny	16.1	0.0069	1.13	68.0
19-Dec-06	2.7866	2.7970	1.13	1.13	10994.5	10995.5	1.0	153	Sunny	16.1	0.0104	1.13	68.0
23-Dec-06	2.8645	2.8756	1.10	1.10	11019.5	11020.5	1.0	168	Sunny	16.9	0.0111	1.10	66.1
23-Dec-06	2.8817	2.8942	1.07	1.07	11020.5	11021.5	1.0	195	Sunny	16.9	0.0125	1.07	64.2
23-Dec-06	2.8386	2.8497	1.07	1.07	11021.5	11022.5	1.0	173	Sunny	16.9	0.0111	1.07	64.2
29-Dec-06	2.7885	2.8006	0.87	0.87	11046.5	11047.5	1.0	233	Sunny	14.6	0.0121	0.87	52.0
29-Dec-06	2.7751	2.7869	0.96	0.96	11047.5	11048.5	1.0	204	Sunny	14.6	0.0118	0.96	57.7
29-Dec-06	2.7582	2.7691	0.87	0.87	11048.5	11049.5	1.0	210	Sunny	14.6	0.0109	0.87	52.0
								Min	102				
								Max	233				
								Average	161				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
1-Dec-06	2.8697	2.8789	1.43	1.43	9337.0	9338.0	1.0	108	Sunny	18.7	0.0092	1.43	85.5
1-Dec-06	2.9226	2.9355	1.40	1.40	9338.0	9339.0	1.0	154	Sunny	18.7	0.0129	1.40	83.9
1-Dec-06	2.9099	2.9235	1.40	1.40	9339.0	9340.0	1.0	162	Sunny	18.7	0.0136	1.40	83.9
7-Dec-06	2.9076	2.9187	1.40	1.40	9364.0	9365.0	1.0	132	Sunny	22.4	0.0111	1.40	83.9
7-Dec-06	2.8973	2.9076	1.43	1.43	9365.0	9366.0	1.0	118	Sunny	22.4	0.0103	1.43	87.2
7-Dec-06	2.8999	2.9089	1.37	1.37	9366.0	9367.0	1.0	109	Sunny	22.4	0.0090	1.37	82.3
13-Dec-06	2.9032	2.9168	1.37	1.37	9391.0	9392.0	1.0	165	Rainy	19.6	0.0136	1.37	82.3
13-Dec-06	2.8743	2.8865	1.43	1.43	9392.0	9393.0	1.0	143	Rainy	19.6	0.0122	1.43	85.5
13-Dec-06	2.8697	2.8783	1.37	1.37	9393.0	9394.0	1.0	105	Rainy	19.6	0.0086	1.37	82.3
19-Dec-06	2.8090	2.8167	1.32	1.32	9418.0	9419.0	1.0	97	Sunny	16.1	0.0077	1.32	79.0
19-Dec-06	2.7960	2.8015	1.32	1.32	9419.0	9420.0	1.0	70	Sunny	16.1	0.0055	1.32	79.0
19-Dec-06	2.8012	2.8079	1.32	1.32	9420.0	9421.0	1.0	85	Sunny	16.1	0.0067	1.32	79.0
23-Dec-06	2.8094	2.8225	1.29	1.29	9445.0	9446.0	1.0	169	Sunny	16.9	0.0131	1.29	77.4
23-Dec-06	2.8962	2.9075	1.32	1.32	9446.0	9447.0	1.0	143	Sunny	16.9	0.0113	1.32	79.0
23-Dec-06	2.8771	2.8884	1.34	1.34	9447.0	9448.0	1.0	140	Sunny	16.9	0.0113	1.34	80.6
29-Dec-06	2.7895	2.8070	1.37	1.37	9472.0	9473.0	1.0	213	Sunny	14.6	0.0175	1.37	82.1
29-Dec-06	2.7676	2.7837	1.34	1.34	9473.0	9474.0	1.0	200	Sunny	14.6	0.0161	1.34	80.5
29-Dec-06	2.7657	2.7796	1.34	1.34	9474.0	9475.0	1.0	173	Sunny	14.6	0.0139	1.34	80.5
								Min	70				
								Max	213				
								Average	138				

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

Date	Weather	King's Park Station				
		Average Air Temperature (°C)	Average Wind Speed (km/h)	Average Relative Humidity (%)	Total Rainfall (mm)	Wind Direction
1-Dec-06	Sunny	18.7	6.9	64.0	0	NE
7-Dec-06	Sunny	22.4	7.6	82.0	0	SE
13-Dec-06	Rainy	19.6	9.8	85.0	14	NE
19-Dec-06	Sunny	16.1	9.3	52.0	0	NE
23-Dec-06	Sunny	16.9	9.6	64.0	0	SE
29-Dec-06	Sunny	14.6	10.0	67.0	0	NE

24-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
04-Jan-07	2.7704	2.8764	0.87	0.87	11074.5	11098.5	24.0	85	Rainy	16.8	0.1060	0.87	1247.9
10-Jan-07	2.7168	2.8718	0.99	0.99	11101.5	11125.5	24.0	108	Sunny	16.0	0.1550	0.99	1431.6
16-Jan-07	2.6963	2.8241	1.06	1.06	11128.5	11152.5	24.0	84	Cloudy	20.8	0.1278	1.06	1523.5
22-Jan-07	2.8414	2.9433	1.03	1.03	11155.5	11179.5	24.0	69	Cloudy	16.4	0.1019	1.03	1477.6
26-Jan-07	2.8560	3.0570	1.03	1.03	11182.5	11206.5	24.0	136	Cloudy	15.3	0.2010	1.03	1477.6
								Min	69				
								Max	136				
								Average	96				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
04-Jan-07	2.7663	2.9362	1.45	1.45	9500.0	9524.0	24.0	81	Rainy	16.8	0.1699	1.45	2090.2
10-Jan-07	2.7239	2.9370	1.48	1.48	9527.0	9551.0	24.0	100	Sunny	16.0	0.2131	1.48	2128.9
16-Jan-07	2.6783	2.8341	1.51	1.51	9554.0	9578.0	24.0	72	Cloudy	20.8	0.1558	1.51	2168.5
22-Jan-07	2.8406	2.9744	1.51	1.51	9581.0	9605.0	24.0	62	Cloudy	16.4	0.1338	1.51	2168.5
26-Jan-07	2.8701	3.1805	1.51	1.51	9608.0	9632.0	24.0	143	Cloudy	15.3	0.3104	1.51	2168.5
								Min	62				
								Max	143				
								Average	92				

1-hour TSP Monitoring Results

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
04-Jan-07	2.7781	2.7840	0.83	0.83	11073.5	11074.5	1.0	118	Rainy	16.8	0.0059	0.83	50.1
05-Jan-07	2.7611	2.7773	0.90	0.90	11098.5	11099.5	1.0	301	Rainy	16.1	0.0162	0.90	53.9
08-Jan-07	2.7417	2.7550	0.90	0.90	11099.5	11100.5	1.0	247	Cloudy	13.6	0.0133	0.90	53.9
10-Jan-07	2.7270	2.7383	0.93	0.93	11100.5	11101.5	1.0	202	Sunny	16.0	0.0113	0.93	55.8
12-Jan-07	2.7218	2.7386	0.96	0.96	11125.5	11126.5	1.0	291	Sunny	18.0	0.0168	0.96	57.7
15-Jan-07	2.6885	2.6977	0.96	0.96	11126.5	11127.5	1.0	159	Cloudy	19.0	0.0092	0.96	57.7
16-Jan-07	2.6726	2.6790	0.99	0.99	11127.5	11128.5	1.0	107	Cloudy	20.8	0.0064	0.99	59.7
17-Jan-07	2.6961	2.7088	0.99	0.99	11152.5	11153.5	1.0	213	Cloudy	17.2	0.0127	0.99	59.7
19-Jan-07	2.8499	2.8633	0.96	0.96	11153.5	11154.5	1.0	232	Cloudy	17.0	0.0134	0.96	57.7
22-Jan-07	2.8405	2.8560	0.96	0.96	11154.5	11155.5	1.0	268	Cloudy	16.4	0.0155	0.96	57.7
24-Jan-07	2.8615	2.8772	0.99	0.99	11179.5	11180.5	1.0	263	Cloudy	13.8	0.0157	0.99	59.7
24-Jan-07	2.8685	2.8797	1.03	1.03	11180.5	11181.5	1.0	182	Cloudy	13.8	0.0112	1.03	61.6
26-Jan-07	2.8905	2.9015	0.99	0.99	11181.5	11182.5	1.0	184	Cloudy	15.3	0.0110	0.99	59.7
29-Jan-07	2.8406	2.8562	0.99	0.99	11206.5	11207.5	1.0	262	Rainy	14.0	0.0156	0.99	59.7
31-Jan-07	2.8580	2.8696	0.99	0.99	11207.5	11208.5	1.0	194	Rainy	16.8	0.0116	0.99	59.7
								Min	107				
								Max	301				
								Average	215				

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

Date	Filter Weight (g)		Flow Rate (m ³ /min.)		Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)	Weather Condition	Ave. Air Temp. (°C)	Particulate weight(g)	Av. flow (m ³ /min)	Total vol. (m ³)
	Initial	Final	Initial	Final	Initial	Final							
04-Jan-07	2.7602	2.7728	1.45	1.45	9499.0	9500.0	1.0	145	Rainy	16.8	0.0126	1.45	87.1
05-Jan-07	2.7553	2.7745	1.45	1.45	9524.0	9525.0	1.0	221	Rainy	16.1	0.0192	1.45	87.1
08-Jan-07	2.7370	2.7570	1.45	1.45	9525.0	9526.0	1.0	230	Cloudy	13.6	0.0200	1.45	87.1
10-Jan-07	2.7332	2.7447	1.56	1.56	9526.0	9527.0	1.0	123	Sunny	16.0	0.0115	1.56	93.7
12-Jan-07	2.7192	2.7434	1.45	1.45	9551.0	9552.0	1.0	278	Sunny	18.0	0.0242	1.45	87.1
15-Jan-07	2.6948	2.7035	1.42	1.42	9552.0	9553.0	1.0	102	Cloudy	19.0	0.0087	1.42	85.4
16-Jan-07	2.6796	2.6868	1.42	1.42	9553.0	9554.0	1.0	84	Cloudy	20.8	0.0072	1.42	85.4
17-Jan-07	2.6893	2.7085	1.45	1.45	9578.0	9579.0	1.0	221	Cloudy	17.2	0.0192	1.45	87.1
19-Jan-07	2.8422	2.8587	1.51	1.51	9579.0	9580.0	1.0	183	Cloudy	17.0	0.0165	1.51	90.4
22-Jan-07	2.8491	2.8640	1.42	1.42	9580.0	9581.0	1.0	174	Cloudy	16.4	0.0149	1.42	85.4
24-Jan-07	2.8638	2.8788	1.62	1.62	9419.0	9420.0	1.0	155	Cloudy	13.8	0.0150	1.62	97.0
24-Jan-07	2.8415	2.8575	1.45	1.45	9606.0	9607.0	1.0	186	Cloudy	13.8	0.0160	1.45	86.2
26-Jan-07	2.8647	2.8845	1.45	1.45	9607.0	9608.0	1.0	227	Cloudy	15.3	0.0198	1.45	87.1
29-Jan-07	2.8295	2.8468	1.45	1.45	9632.0	9633.0	1.0	199	Rainy	14.0	0.0173	1.45	87.1
31-Jan-07	2.8597	2.8711	1.48	1.48	9633.0	9634.0	1.0	129	Rainy	16.8	0.0114	1.48	88.7
								Min	84				
								Max	278				
								Average	177				

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

Date	Weather	King's Park Station				
		Average Air Temperature (°C)	Average Wind Speed (km/h)	Average Relative Humidity (%)	Total Rainfall (mm)	Wind Direction
04-Jan-07	Rainy	16.8	25.0	68.0	1.1	N
05-Jan-07	Rainy	16.1	24.0	68.0	1.0	N
08-Jan-07	Cloudy	13.6	22.0	68.0	0.5	NE
10-Jan-07	Sunny	16.0	22.0	68.0	0.3	NE
12-Jan-07	Sunny	18.0	24.0	69.0	0.3	NE
15-Jan-07	Cloudy	19.0	25.0	71.0	0.8	NE
16-Jan-07	Cloudy	20.8	25.0	71.0	0.7	NE
17-Jan-07	Cloudy	17.2	24.0	71.0	0.7	NE
19-Jan-07	Cloudy	17.0	24.0	72.0	0.6	E
22-Jan-07	Cloudy	16.4	24.0	74.0	0.7	NE
24-Jan-07	Cloudy	13.8	23.0	74.0	0.7	NE
26-Jan-07	Cloudy	15.3	23.0	74.0	0.5	NE
29-Jan-07	Rainy	14.0	25.0	76.0	1.3	NE
31-Jan-07	Rainy	16.8	24.0	75.0	1.5	NE

Annex G

Water Quality Monitoring Results

Figure I1 - Water Quality Monitoring Results (Mid Ebb)

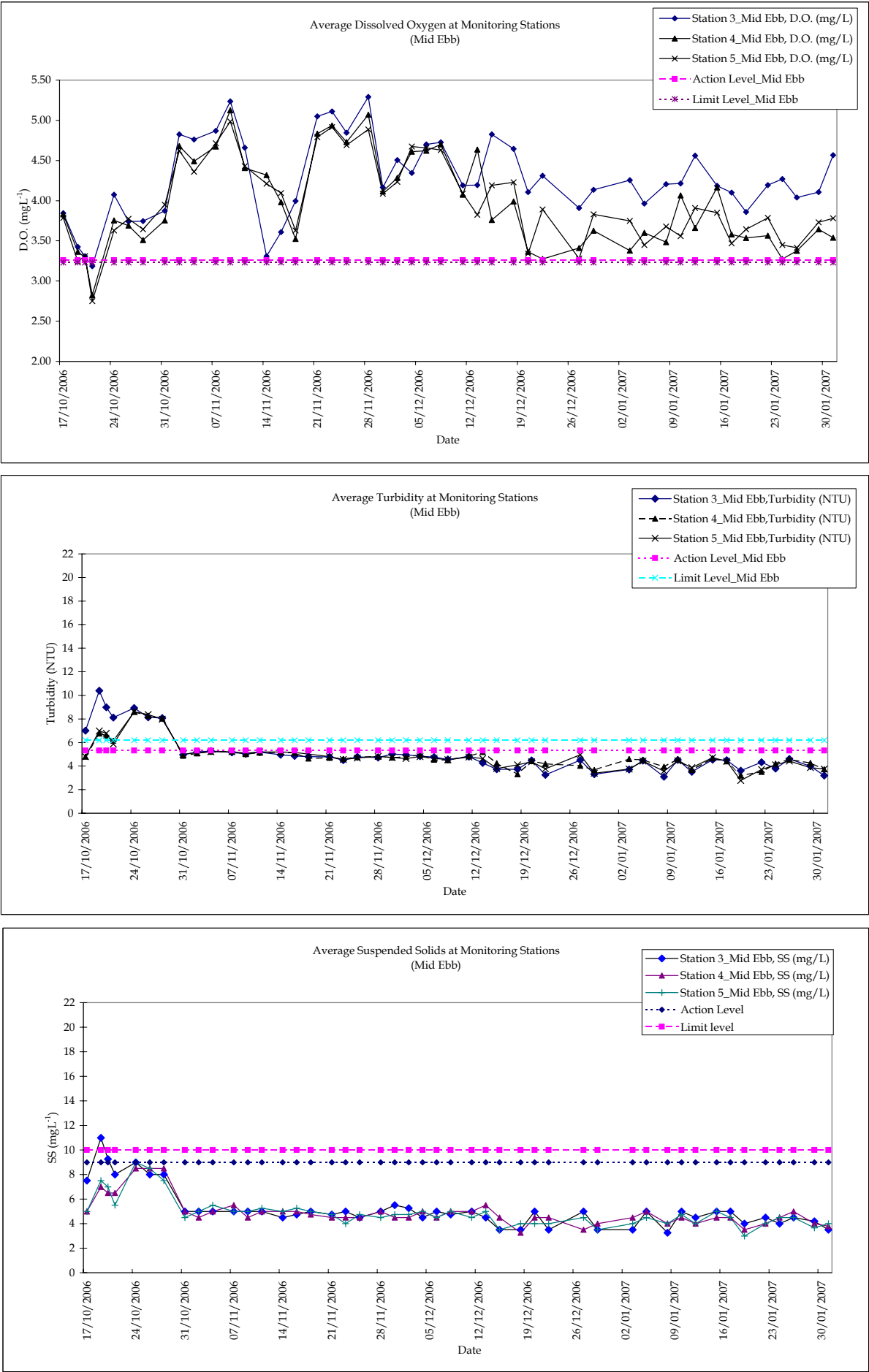
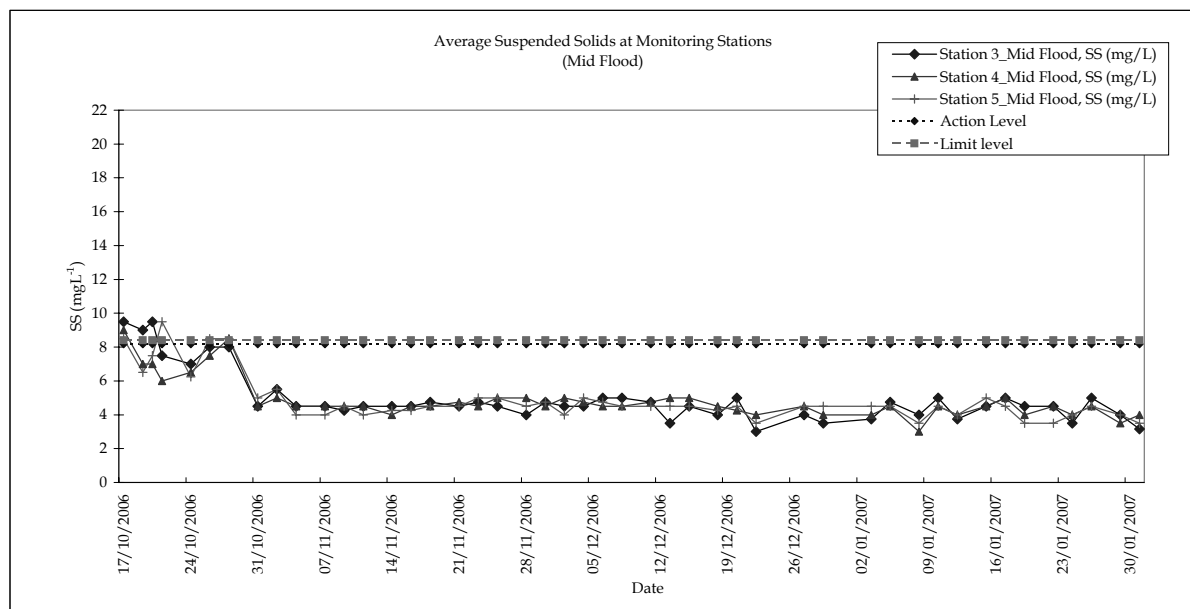
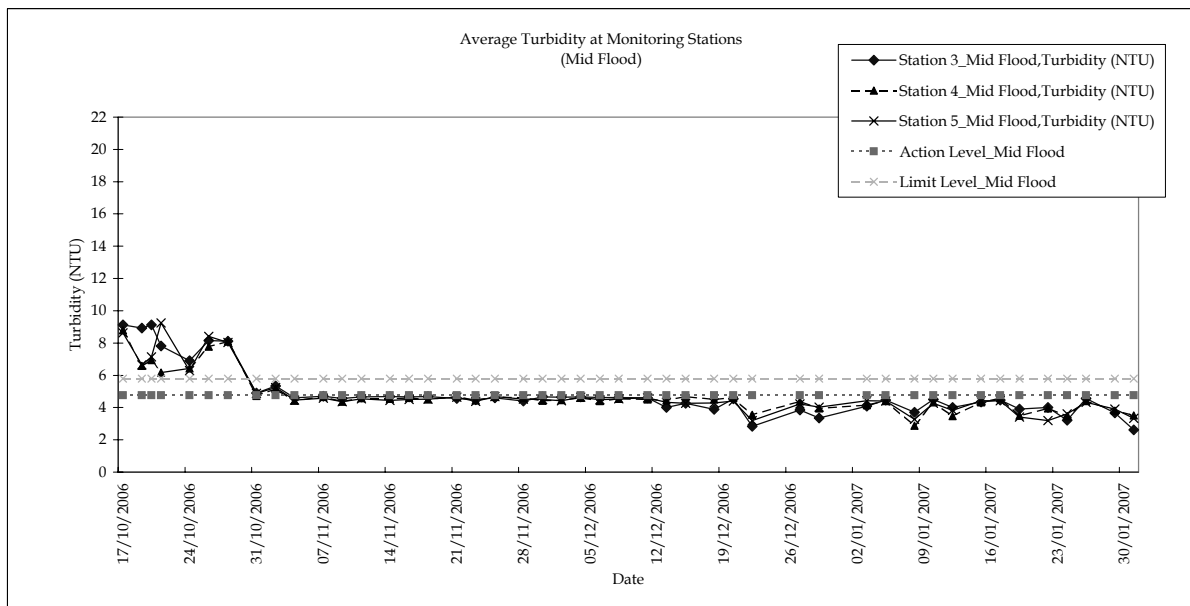
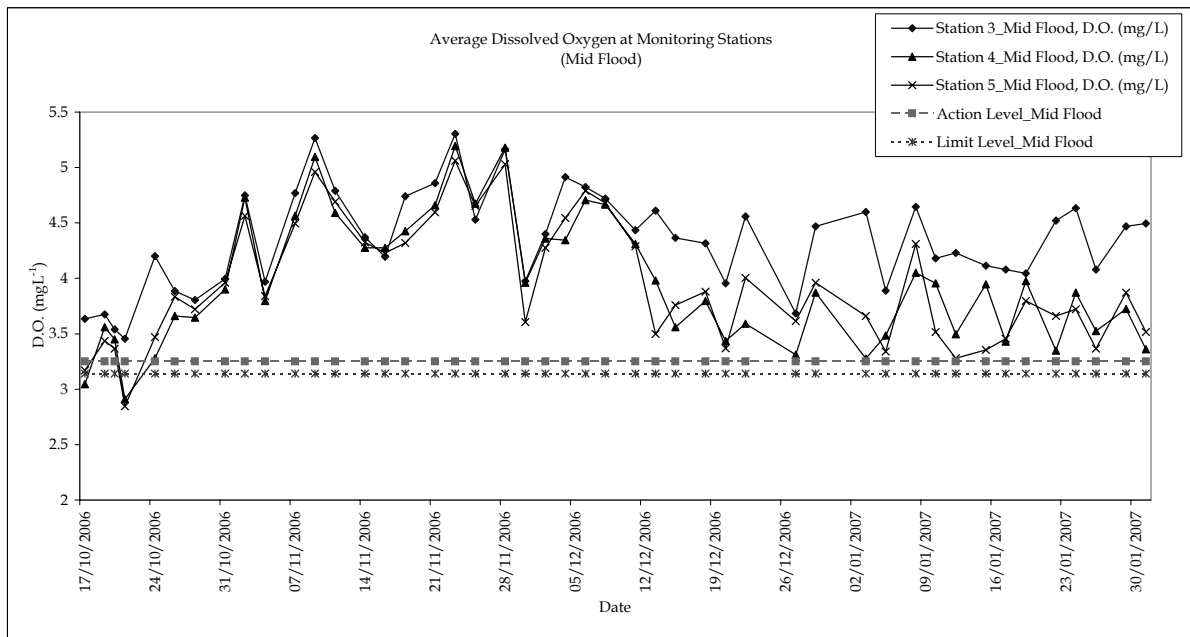


Figure I2 - Water Quality Monitoring Results (Mid Flood)



Water Quality Monitoring Results for Station 3

Date	02/11/2006			02/11/2006			04/11/2006			04/11/2006			07/11/2006			07/11/2006			09/11/2006			09/11/2006			11/11/2006			11/11/2006		
Time (hh:mm)	09:58 - 10:15			16:20 - 16:35			11:10 - 11:25			17:05 - 17:20			13:35 - 13:50			19:08 - 19:23			13:35 - 13:50			10:28 - 10:43			09:10 - 09:25			17:10 - 17:25		
Ambient Temperature	28			28			28			28			28			28			27			27			28			28		
Weather	Sunny			Fine			Sunny			Sunny			Sunny			Cloudy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	8.00			8.20			8.00			8.20			7.90			8.10			7.80			8.20			8.00			8.20		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	26.3	26.3	26.3	27.0	27.0	27.0	26.6	26.6	26.6	27.1	27.1	27.1	26.4	26.5	26.5	26.7	26.7	26.7	25.8	26.0	25.9	25.6	25.6	25.6	26.0	26.1	26.1	26.4	26.4	26.4
Salinity (ppt)	32.5	32.5	32.5	32.4	32.5	32.5	32.2	32.4	32.3	32.5	32.3	32.4	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.2	32.3	32.5	32.5	32.5
D.O. (mg/L)	4.86	4.79	4.8	4.73	4.77	4.8	4.80	4.72	4.8	4.00	3.94	4.0	4.89	4.85	4.9	4.74	4.80	4.8	5.20	5.27	5.2	5.29	5.24	5.3	4.62	4.70	4.7	4.77	4.81	4.8
D.O. Saturation (%)	73.0	71.9	72.5	70.9	71.6	71.3	72.0	70.8	71.4	60.0	59.1	59.6	73.4	72.8	73.1	71.1	72.0	71.6	75.4	76.4	75.9	76.7	76.5	76.6	66.9	68.2	67.6	69.1	69.7	69.4
Turbidity (NTU)	5.18	5.20	5.2	5.30	5.38	5.3	5.30	5.26	5.3	4.52	4.68	4.6	5.17	5.13	5.2	4.67	4.73	4.7	5.17	4.90	5.0	4.52	4.60	4.6	5.14	5.23	5.2	4.70	4.62	4.7
SS* (mg/L)	5.0	5.0	5.0	5.5	5.5	5.5	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	4.0	4.5	4.3	5.0	5.0	5.0	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level 1

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level 2

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 3

Date	14/11/2006			14/11/2006			16/11/2006			16/11/2006			18/11/2006			18/11/2006			21/11/2006			21/11/2006			23/11/2006			23/11/2006		
Time (hh:mm)	08:40 - 08:55			15:57 - 16:12			10:00 - 10:15			16:35 - 16:50			11:25 - 11:40			17:07 - 17:22			13:10 - 13:25			18:03 - 18:18			13:40 - 13:55			18:45 - 19:00		
Ambient Temperature	27			27			27			27			28			28			25			25			26			26		
Weather	Sunny			Sunny			Fine			Fine			Sunny			Sunny			Cloudy			Cloudy			Sunny			Fine		
Water Depth (m)	7.60			7.90			7.70			8.00			7.70			8.00			7.80			8.20			7.70			8.00		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	25.6	25.7	25.7	26.0	26.0	26.0	25.4	25.5	25.5	25.7	25.7	25.7	25.6	25.6	25.6	26.2	26.1	26.2	24.8	24.7	24.8	25.0	25.0	25.0	24.7	24.8	24.8	25.0	25.0	25.0
Salinity (ppt)	31.9	31.8	31.9	32.2	32.2	32.2	32.4	32.2	32.3	32.6	32.5	32.6	32.4	32.3	32.4	32.5	32.4	32.5	32.4	32.4	32.4	32.6	32.7	32.7	32.7	32.6	32.7	32.8	32.7	32.8
D.O. (mg/L)	3.33	3.29	3.3	4.43	4.31	4.4	3.49	3.73	3.6	4.23	4.16	4.2	3.89	4.10	4.0	4.80	4.68	4.7	5.12	4.98	5.1	4.93	4.79	4.9	5.14	5.08	5.1	5.26	5.35	5.3
D.O. Saturation (%)	48.3	47.7	48.0	65.1	63.4	64.3	50.6	54.1	52.4	61.3	60.3	60.8	56.4	60.0	58.2	70.1	68.3	69.2	73.2	71.2	72.2	71.5	69.5	70.5	73.5	72.6	73.1	76.3	77.6	77.0
Turbidity (NTU)	5.00	4.93	5.0	4.71	4.66	4.7	4.79	4.93	4.9	4.70	4.62	4.7	4.88	4.73	4.8	4.73	4.64	4.7	4.80	4.75	4.8	4.50	4.61	4.6	4.58	4.42	4.5	4.44	4.52	4.5
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	4.8	4.5	4.5	4.5	5.0	5.0	5.0	5.0	4.5	4.8	5.0	4.5	4.8	4.5	4.5	4.5	5.0	5.0	5.0	4.5	5.0	4.8
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 3

Date	25/11/2006			25/11/2006			28/11/2006			28/11/2006			30/11/2006			30/11/2006		
Time (hh:mm)	15:39 - 15:54			11:00 - 11:15			09:40 - 09:55			14:05 - 14:20			08:55 - 09:10			15:25 - 15:40		
Ambient Temperature	26			26			22			22			22			22		
Weather	Fine			Fine			Fine			Fine			Fine			Fine		
Water Depth (m)	7.80			8.00			7.80			8.00			7.90			8.20		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	24.8	24.8	24.8	24.6	24.6	24.6	23.3	23.4	23.4	23.6	23.6	23.6	23.9	23.8	23.9	24.3	24.5	24.4
Salinity (ppt)	32.7	32.8	32.8	32.4	32.5	32.5	32.5	32.5	32.5	32.7	32.7	32.7	32.3	32.3	32.3	32.1	32.2	32.2
D.O. (mg/L)	4.89	4.80	4.8	4.49	4.57	4.5	5.32	5.26	5.3	5.23	5.10	5.2	4.13	4.20	4.2	4.03	3.92	4.0
D.O. Saturation (%)	70.9	69.6	70.3	64.7	65.9	65.3	76.1	75.2	75.7	75.3	73.4	74.4	59.1	60.1	59.6	58.0	56.4	57.2
Turbidity (NTU)	4.75	4.80	4.8	4.68	4.53	4.6	4.76	4.68	4.7	4.42	4.39	4.4	5.07	4.98	5.0	4.70	4.63	4.7
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	4.0	4.0	4.0	5.5	5.5	5.5	5.0	4.5	4.8
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level 1

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Within Limit Level 2

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	02/11/2006			02/11/2006			04/11/2006			04/11/2006			07/11/2006			07/11/2006			09/11/2006			09/11/2006			11/11/2006			11/11/2006		
Time (hh:mm)	09:41 - 09:56			16:02 - 16:17			10:50 - 11:05			16:47 - 17:02			13:18 - 13:33			18:50 - 19:05			13:18 - 13:33			10:09 - 10:25			08:50 - 09:05			16:50 - 17:05		
Ambient Temperature	28			28			28			28			28			28			27			27			28			28		
Weather	Sunny			Fine			Sunny			Sunny			Sunny			Cloudy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	4.30			4.40			4.20			4.30			4.10			4.40			4.20			4.50			4.30			4.70		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	26.3	26.3	26.3	27.0	27.0	27.0	26.6	26.6	26.6	27.1	27.1	27.1	26.4	26.4	26.4	26.7	26.6	26.7	26.0	26.0	26.0	25.7	25.6	25.7	26.0	26.0	26.0	26.3	26.3	26.3
Salinity (ppt)	32.3	32.4	32.4	32.5	32.3	32.4	32.1	32.2	32.2	32.3	32.2	32.3	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.1	32.2	32.2	32.4	32.4	32.4
D.O. (mg/L)	4.69	4.67	4.7	4.80	4.66	4.7	4.52	4.46	4.5	3.73	3.86	3.8	4.64	4.71	4.7	4.60	4.53	4.6	5.16	5.09	5.1	5.07	5.12	5.1	4.42	4.39	4.4	4.62	4.56	4.6
D.O. Saturation (%)	70.3	70.1	70.2	72.0	69.9	71.0	67.8	66.9	67.4	55.9	57.9	56.9	69.6	70.7	70.2	69.0	68.0	68.5	74.8	73.8	74.3	73.5	74.2	73.9	64.1	63.7	63.9	66.9	66.1	66.5
Turbidity (NTU)	5.08	5.06	5.1	5.13	5.19	5.2	5.23	5.19	5.2	4.39	4.45	4.4	5.20	5.26	5.2	4.62	4.70	4.7	5.08	4.97	5.0	4.34	4.38	4.4	5.10	5.19	5.1	4.62	4.56	4.6
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.5	5.5	5.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level 1

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level 2

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	14/11/2006			14/11/2006			16/11/2006			16/11/2006			18/11/2006			18/11/2006			21/11/2006			21/11/2006			23/11/2006			23/11/2006		
Time (hh:mm)	08:20 - 08:35			15:37 - 15:52			09:40 - 09:55			16:15 - 16:30			11:05 - 11:20			16:48 - 17:03			12:50 - 13:05			17:43 - 17:58			13:20 - 13:35			18:24 - 18:39		
Ambient Temperature	27			27			27			27			28			28			25			25			26			26		
Weather	Sunny			Sunny			Fine			Fine			Sunny			Sunny			Cloudy			Cloudy			Sunny			Fine		
Water Depth (m)	3.80			4.10			4.00			4.30			4.00			4.50			4.30			4.60			4.00			4.50		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	25.6	25.6	25.6	26.0	26.0	26.0	25.4	25.4	25.4	25.8	25.7	25.8	25.6	25.6	25.6	26.1	26.1	26.1	24.7	24.7	24.7	24.9	24.9	24.9	24.8	24.8	24.8	25.1	25.1	25.1
Salinity (ppt)	31.7	31.7	31.7	32.1	32.1	32.1	32.4	32.4	32.4	32.6	32.6	32.6	32.3	32.3	32.3	32.4	32.4	32.4	32.3	32.3	32.3	32.5	32.6	32.6	32.5	32.5	32.5	32.7	32.7	32.7
D.O. (mg/L)	4.26	4.38	4.3	4.20	4.35	4.3	4.09	3.87	4.0	4.33	4.22	4.3	3.56	3.49	3.5	4.46	4.39	4.4	4.89	4.78	4.8	4.72	4.60	4.7	4.89	4.98	4.9	5.23	5.16	5.2
D.O. Saturation (%)	61.8	63.5	62.7	61.7	63.9	62.8	59.3	56.1	57.7	62.8	61.2	62.0	51.6	50.6	51.1	65.1	64.1	64.6	69.9	68.4	69.2	68.4	66.7	67.6	69.9	71.2	70.6	75.8	74.8	75.3
Turbidity (NTU)	5.13	5.19	5.2	4.59	4.48	4.5	5.14	5.08	5.1	4.58	4.64	4.6	4.58	4.70	4.6	4.56	4.43	4.5	4.70	4.69	4.7	4.73	4.65	4.7	4.67	4.55	4.6	4.38	4.49	4.4
SS* (mg/L)	5.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5	5.0	4.8	4.5	4.5	4.5	4.5	4.5	4.5	5.0	4.5	4.8	4.5	4.5	4.5	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	25/11/2006			25/11/2006			28/11/2006			28/11/2006			30/11/2006			30/11/2006		
Time (hh:mm)	15:19 - 15:34			10:40 - 10:55			09:20 - 09:35			13:45 - 14:00			08:35 - 08:50			15:05 - 15:20		
Ambient Temperature	26			26			22			22			22			22		
Weather	Fine			Fine			Fine			Fine			Fine			Fine		
Water Depth (m)	4.00			4.30			4.40			4.60			4.30			4.50		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	24.9	24.8	24.9	24.6	24.5	24.6	23.4	23.5	23.5	23.6	23.6	23.6	24.0	24.0	24.0	24.3	24.2	24.3
Salinity (ppt)	32.7	32.7	32.7	32.3	32.4	32.4	32.5	32.5	32.5	32.6	32.7	32.7	32.2	32.3	32.3	32.0	32.0	32.0
D.O. (mg/L)	4.71	4.75	4.7	4.62	4.73	4.7	5.13	5.01	5.1	5.20	5.16	5.2	4.07	4.16	4.1	4.00	3.92	4.0
D.O. Saturation (%)	68.3	68.9	68.6	66.5	68.1	67.3	73.4	71.7	72.6	74.8	74.3	74.6	58.2	59.5	58.9	57.6	56.1	56.9
Turbidity (NTU)	4.83	4.70	4.8	4.62	4.70	4.7	4.80	4.86	4.8	4.54	4.68	4.6	4.79	4.64	4.7	4.36	4.47	4.4
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level 1

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Within Limit Level 2

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	02/11/2006			02/11/2006			04/11/2006			04/11/2006			07/11/2006			07/11/2006			09/11/2006			09/11/2006			11/11/2006			11/11/2006		
Time (hh:mm)	09:24 - 09:39			15:45 - 16:00			10:30 - 10:45			16:30 - 16:45			13:00 - 13:15			18:30 - 18:45			13:00 - 13:15			09:50 - 10:05			08:30 - 08:45			16:30 - 16:45		
Ambient Temperature	28			28			28			28			28			28			27			27			28			28		
Weather	Sunny			Fine			Sunny			Sunny			Sunny			Cloudy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	4.60			4.80			4.40			4.70			4.40			4.70			4.50			4.80			4.50			4.90		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	26.3	26.3	26.3	27.0	27.0	27.0	26.6	26.7	26.7	27.0	27.1	27.1	26.4	26.4	26.4	26.7	26.7	26.7	26.0	26.0	26.0	25.6	25.6	25.6	26.0	26.0	26.0	26.3	26.3	26.3
Salinity (ppt)	32.5	32.4	32.5	32.3	32.4	32.4	32.0	32.2	32.1	32.3	32.3	32.3	32.0	32.1	32.1	32.2	32.0	32.1	32.2	32.1	32.2	32.1	32.0	32.1	32.2	32.1	32.2	32.5	32.4	32.5
D.O. (mg/L)	4.61	4.63	4.6	4.50	4.63	4.6	4.32	4.40	4.4	3.78	3.90	3.8	4.78	4.65	4.7	4.57	4.42	4.5	4.93	5.04	5.0	5.03	4.89	5.0	4.36	4.50	4.4	4.72	4.66	4.7
D.O. Saturation (%)	69.1	69.5	69.3	67.5	69.5	68.5	64.8	66.0	65.4	56.7	58.5	57.6	71.7	69.8	70.8	68.5	66.3	67.4	71.5	73.1	72.3	72.9	70.9	71.9	63.2	65.3	64.3	68.4	67.5	68.0
Turbidity (NTU)	5.14	5.15	5.1	5.21	5.26	5.2	5.26	5.19	5.2	4.42	4.51	4.5	5.18	5.24	5.2	4.56	4.59	4.6	5.13	5.06	5.1	4.40	4.32	4.4	5.23	5.17	5.2	4.52	4.58	4.6
SS* (mg/L)	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	5.0	4.5	4.5	4.5	5.5	5.0	5.3	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level 1

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level 2

Date	02/11/2006		02/11/2006		04/11/2006		04/11/2006		07/11/2006		07/11/2006		09/11/2006		09/11/2006		11/11/2006		11/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	14/11/2006			14/11/2006			16/11/2006			16/11/2006			18/11/2006			18/11/2006			21/11/2006			21/11/2006			23/11/2006			23/11/2006		
Time (hh:mm)	08:00 - 08:15			15:17 - 15:32			09:18 - 09:33			15:55 - 16:10			10:45 - 11:00			16:28 - 16:43			12:30 - 12:45			17:23 - 17:38			13:00 - 13:15			18:04 - 18:19		
Ambient Temperature	27			27			27			27			28			28			25			25			26			26		
Weather	Sunny			Sunny			Fine			Fine			Sunny			Sunny			Cloudy			Cloudy			Sunny			Fine		
Water Depth (m)	4.00			4.30			4.20			4.40			4.40			4.80			4.50			4.80			4.30			4.80		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	25.6	25.6	25.6	26.0	25.9	26.0	25.4	25.4	25.4	25.7	25.7	25.7	25.6	25.6	25.6	26.1	26.1	26.1	24.7	24.7	24.7	24.9	25.0	25.0	24.9	24.8	24.9	25.1	25.1	25.1
Salinity (ppt)	31.7	31.8	31.8	32.0	32.1	32.1	32.3	32.4	32.4	32.6	32.6	32.6	32.3	32.2	32.3	32.4	32.4	32.4	32.4	32.3	32.4	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.7	32.7
D.O. (mg/L)	4.25	4.17	4.2	4.38	4.27	4.3	4.02	4.17	4.1	4.19	4.27	4.2	3.49	3.77	3.6	4.36	4.28	4.3	4.76	4.82	4.8	4.53	4.66	4.6	4.87	4.96	4.9	5.12	5.00	5.1
D.O. Saturation (%)	61.6	60.5	61.1	64.4	62.8	63.6	58.3	60.5	59.4	60.8	61.9	61.4	50.6	54.7	52.7	63.7	62.5	63.1	68.1	68.9	68.5	65.7	67.6	66.7	69.7	70.9	70.3	74.3	72.5	73.4
Turbidity (NTU)	5.24	5.17	5.2	4.37	4.52	4.4	5.20	5.13	5.2	4.53	4.47	4.5	4.97	5.06	5.0	4.49	4.56	4.5	4.84	4.76	4.8	4.68	4.59	4.6	4.53	4.59	4.6	4.46	4.31	4.4
SS* (mg/L)	5.0	5.0	5.0	4.0	4.5	4.3	5.0	5.5	5.3	4.0	4.5	4.3	5.0	5.0	5.0	4.5	4.5	4.5	5.0	4.5	4.8	4.5	4.5	4.5	4.0	4.0	4.0	5.0	5.0	5.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	14/11/2006		14/11/2006		16/11/2006		16/11/2006		18/11/2006		18/11/2006		21/11/2006		21/11/2006		23/11/2006		23/11/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	25/11/2006			25/11/2006			28/11/2006			28/11/2006			30/11/2006			30/11/2006		
Time (hh:mm)	15:00 - 15:15			10:22 - 10:37			09:00 - 09:15			13:25 - 13:40			08:15 - 08:30			14:43 - 15:00		
Ambient Temperature	26			26			22			22			22			22		
Weather	Fine			Fine			Fine			Fine			Fine			Fine		
Water Depth (m)	4.40			4.60			4.30			4.50			4.50			4.70		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	24.8	24.8	24.8	24.6	24.6	24.6	23.4	23.4	23.4	23.7	23.6	23.7	24.0	23.9	24.0	24.3	24.2	24.3
Salinity (ppt)	32.7	32.7	32.7	32.4	32.4	32.4	32.5	32.6	32.6	32.7	32.7	32.7	32.3	32.3	32.3	32.0	32.1	32.1
D.O. (mg/L)	4.65	4.73	4.7	4.71	4.60	4.7	4.80	4.97	4.9	4.97	5.09	5.0	4.14	4.03	4.1	3.57	3.64	3.6
D.O. Saturation (%)	67.4	68.6	68.0	67.8	66.3	67.1	63.7	71.1	67.4	71.5	73.3	72.4	59.2	57.6	58.4	51.6	52.5	52.1
Turbidity (NTU)	4.65	4.73	4.7	4.73	4.64	4.7	4.79	4.87	4.8	4.49	4.56	4.5	4.68	4.75	4.7	4.43	4.56	4.5
SS* (mg/L)	4.5	5.0	4.8	5.0	5.0	5.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	4.8	4.5	5.0	4.8
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level 1

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Within Limit Level 2

Date	25/11/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

25/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

28/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

30/11/2006		
Y	Y	Y
Y	Y	Y
Y	Y	Y

Water Quality Monitoring Results for Station 3

Date	2/12/2006			2/12/2006			4/12/2006			4/12/2006			6/12/2006			6/12/2006			8/12/2006			8/12/2006		
Time (hh:mm)	10:30 - 10:45			16:35 - 16:50			12:10 - 12:25			17:38 - 17:53			13:41 - 13:55			08:40 - 08:55			10:21 - 10:35			18:40 - 18:55		
Ambient Temperature	22			22			18			18			20			20			24			24		
Weather	Fine			Fine			Sunny			Sunny			Fine			Fine			Fine			Fine		
Water Depth (m)	7.70			7.90			8.60			9.40			7.70			8.00			7.90			8.20		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Flood			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	23.8	23.9	23.9	24.1	24.2	24.2	23.8	23.8	23.8	23.6	23.6	23.6	22.6	22.6	22.6	22.5	22.4	22.5	24.7	24.8	24.8	25.0	25.0	25.0
Salinity (ppt)	32.4	32.5	32.5	32.1	32.2	32.2	32.1	32.1	32.1	32.3	32.2	32.3	32.4	32.4	32.4	32.6	32.6	32.6	30.2	30.2	30.2	30.5	30.4	30.5
D.O. (mg/L)	4.48	4.53	4.5	4.37	4.43	4.4	4.32	4.37	4.3	4.89	4.94	4.9	4.75	4.84	4.7	4.79	4.85	4.8	4.69	4.75	4.7	4.65	4.77	4.7
D.O. Saturation (%)	64.5	65.2	64.9	62.5	63.3	62.9	62.2	62.9	62.6	70.4	71.0	70.7	68.1	66.4	67.3	68.9	70.0	69.5	67.5	68.6	68.1	66.5	67.7	67.1
Turbidity (NTU)	5.00	4.92	5.0	4.60	4.68	4.6	4.84	4.85	4.8	4.66	4.65	4.7	4.73	4.81	4.8	4.58	4.66	4.6	4.65	4.60	4.6	4.59	4.53	4.6
SS* (mg/L)	5.5	5.0	5.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.8
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?

Date	2/12/2006		2/12/2006		4/12/2006		4/12/2006		6/12/2006		6/12/2006		8/12/2006		8/12/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Within Limit Level ?

Date	2/12/2006		2/12/2006		4/12/2006		4/12/2006		6/12/2006		6/12/2006		8/12/2006		8/12/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Water Quality Monitoring Results for Station 3

Date	11/12/2006			11/12/2006			13/12/2006			13/12/2006			15/12/2006			15/12/2006			18/12/2006			18/12/2006			20/12/2006			20/12/2006		
Time (hh:mm)	08:10 - 08:25			16:52 - 17:07			08:42 - 08:55			13:42 - 13:56			09:02 - 09:13			15:05 - 15:17			11:39 - 11:49			16:16 - 16:28			12:48 - 12:53			17:26 - 17:43		
Ambient Temperature	20			20			24			21			18			18			14			14			16			18		
Weather	Sunny			Fine			Cloudy			Rainy			Rainy			Rainy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	7.70			8.00			9.20			8.40			9.40			8.60			7.90			8.50			8.00			7.90		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	22.5	22.4	22.5	22.8	22.9	22.9	23.0	23.1	23.1	22.8	22.9	22.9	20.4	20.3	20.4	20.4	20.5	20.5	19.1	19.2	19.2	19.6	19.5	19.6	20.6	20.7	20.7	20.9	20.9	20.9
Salinity (ppt)	32.2	32.2	32.2	32.6	32.5	32.6	32.2	32.2	32.2	32.4	32.4	32.4	31.2	31.3	31.3	31.4	31.4	31.4	32.3	32.3	32.3	32.1	32.1	32.1	32.2	32.2	32.2	32.0	32.1	32.1
D.O. (mg/L)	4.15	4.23	4.2	4.49	4.38	4.4	4.22	4.17	4.2	4.64	4.56	4.6	4.85	4.80	4.8	4.40	4.33	4.4	4.67	4.62	4.6	4.33	4.30	4.3	4.08	4.13	4.1	4.00	3.91	4.0
D.O. Saturation (%)	59.8	60.9	60.4	64.7	63.1	63.9	60.1	59.4	59.8	66.8	66.0	66.4	67.7	66.9	67.3	61.4	60.4	60.9	65.1	63.9	64.5	61.0	60.8	60.8	55.5	56.6	56.1	53.6	52.8	53.2
Turbidity (NTU)	4.85	4.77	4.8	4.58	4.63	4.6	4.23	4.29	4.3	4.05	3.97	4.0	3.69	3.75	3.7	4.24	4.28	4.3	3.68	3.77	3.7	3.86	3.90	3.9	4.45	4.52	4.5	4.52	4.56	4.5
SS* (mg/L)	5.0	5.0	5.0	4.5	5.0	4.8	4.5	4.5	4.5	3.5	3.5	3.5	3.5	3.5	3.5	4.5	4.5	4.5	3.5	3.5	3.5	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0
Remarks	No construction activities were observed			No construction activities were observed			General earth work			Pneumatic breaker was operating			No construction activities were observed			General earth work			General earth work			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Within Limit Level ?

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Water Quality Monitoring Results for Station 3

Date	22/12/2006			22/12/2006			27/12/2006			27/12/2006			29/12/2006			29/12/2006		
Time (hh:mm)	13:45 - 13:59			18:24 - 18:36			16:48 - 17:00			12:14 - 12:26			18:49 - 19:04			14:10 - 14:25		
Ambient Temperature	19			17			17			19			16			16		
Weather	Fine			Fine			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	7.40			8.50			9.40			8.00			7.40			7.80		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.8	20.7	20.8	20.6	20.5	20.6	20.2	20.3	20.3	20.8	20.9	20.9	20.5	20.4	20.5	20.9	20.9	20.9
Salinity (ppt)	31.8	31.9	31.9	31.2	31.2	31.2	32.5	32.6	32.6	32.4	32.4	32.4	31.6	31.6	31.6	31.8	31.8	31.8
D.O. (mg/L)	4.28	4.34	4.3	4.59	4.53	4.6	3.88	3.94	3.9	3.71	3.66	3.7	4.12	4.15	4.1	4.49	4.45	4.5
D.O. Saturation (%)	56.5	60.3	59.9	64.3	63.4	63.9	55.2	56.0	55.6	52.5	51.7	52.1	57.6	58.0	57.8	62.8	62.3	62.6
Turbidity (NTU)	3.24	3.28	3.3	2.88	2.80	2.8	4.52	4.47	4.5	3.87	3.82	3.8	3.30	3.32	3.3	3.35	3.37	3.4
SS* (mg/L)	3.5	3.5	3.5	3.0	3.0	3.0	5.0	5.0	5.0	4.0	4.0	4.0	3.5	3.5	3.5	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			General earth work			General earth work			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

22/12/2006		
Y	Y	
Y	Y	
Y	Y	

27/12/2006		
Y	Y	
Y	Y	
Y	Y	

27/12/2006		
Y	Y	
Y	Y	
Y	Y	

29/12/2006		
Y	Y	
Y	Y	
Y	Y	

29/12/2006		
Y	Y	
Y	Y	
Y	Y	

Within Limit Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

22/12/2006	
Y	Y
Y	Y
Y	Y

27/12/2006	
Y	Y
Y	Y
Y	Y

27/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

Water Quality Monitoring Results for Station 4

Date	2/12/2006			2/12/2006			4/12/2006			4/12/2006			6/12/2006			6/12/2006			8/12/2006			8/12/2006		
Time (hh:mm)	10:10 - 10:25			16:15 - 16:30			11:50 - 12:05			17:18 - 17:33			13:21 - 13:35			08:18 - 08:33			09:59 - 10:16			18:20 - 18:35		
Ambient Temperature	22			22			18			18			20			20			24			24		
Weather	Fine			Fine			Sunny			Sunny			Fine			Fine			Fine			Fine		
Water Depth (m)	4.00			4.30			4.00			4.20			4.00			4.40			4.40			4.60		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Flood			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	23.9	23.9	23.9	24.3	24.2	24.3	23.9	23.6	23.9	23.7	23.8	23.8	22.5	22.5	22.5	22.5	22.4	22.5	24.8	24.8	24.8	25.1	25.0	25.1
Salinity (ppt)	32.4	32.4	32.4	32.2	32.2	32.2	32.2	32.1	32.2	32.3	32.3	32.3	32.4	32.5	32.5	32.6	32.6	32.6	30.1	30.1	30.1	30.3	30.3	30.3
D.O. (mg/L)	4.39	4.18	4.3	4.42	4.30	4.4	4.59	4.63	4.6	4.32	4.37	4.3	4.57	4.67	4.6	4.66	4.73	4.7	4.71	4.62	4.7	4.67	4.73	4.7
D.O. Saturation (%)	63.2	60.2	61.7	63.2	61.5	62.4	65.6	66.2	65.9	62.2	62.9	62.6	65.4	66.8	66.1	67.4	68.1	67.8	67.8	66.5	67.2	66.3	67.1	66.7
Turbidity (NTU)	4.85	4.73	4.8	4.53	4.40	4.5	4.92	4.95	4.9	4.59	4.60	4.6	4.50	4.60	4.6	4.43	4.38	4.4	4.53	4.57	4.6	4.50	4.52	4.5
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	4.5	5.0	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?

Date	2/12/2006		
D.O. (mg/L)	Y	Y	
Turbidity (NTU)	Y	Y	
SS (mg/L)	Y	Y	

2/12/2006		
Y	Y	
Y	Y	
Y	Y	

4/12/2006		
Y	Y	
Y	Y	
Y	Y	

4/12/2006		
Y	Y	
Y	Y	
Y	Y	

6/12/2006		
Y	Y	
Y	Y	
Y	Y	

6/12/2006		
Y	Y	
Y	Y	
Y	Y	

8/12/2006		
Y	Y	
Y	Y	
Y	Y	

8/12/2006		
Y	Y	
Y	Y	
Y	Y	

Within Limit Level ?

Date	2/12/2006		
D.O. (mg/L)	Y	Y	
Turbidity (NTU)	Y	Y	
SS (mg/L)	Y	Y	

2/12/2006		
Y	Y	
Y	Y	
Y	Y	

4/12/2006		
Y	Y	
Y	Y	
Y	Y	

4/12/2006		
Y	Y	
Y	Y	
Y	Y	

6/12/2006		
Y	Y	
Y	Y	
Y	Y	

6/12/2006		
Y	Y	
Y	Y	
Y	Y	

8/12/2006		
Y	Y	
Y	Y	
Y	Y	

8/12/2006		
Y	Y	
Y	Y	
Y	Y	

Water Quality Monitoring Results for Station 4

Date	11/12/2006			11/12/2006			13/12/2006			13/12/2006			15/12/2006			15/12/2006			18/12/2006			18/12/2006			20/12/2006			20/12/2006		
Time (hh:mm)	07:50 - 08:05			16:32 - 16:47			08:27 - 08:37			13:28 - 13:37			08:45 - 08:56			14:49 - 14:59			11:25 - 11:34			15:57 - 16:08			12:28 - 12:43			17:08 - 17:23		
Ambient Temperature	20			20			24			21			18			18			14			14			16			16		
Weather	Sunny			Fine			Cloudy			Rainy			Rainy			Rainy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	4.20			4.50			4.60			4.00			4.40			3.80			3.80			4.40			4.50			4.30		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	22.5	22.6	22.6	22.8	22.8	22.8	23.2	23.2	23.2	22.8	22.8	22.8	20.2	20.2	20.2	20.3	20.3	20.3	19.1	19.1	19.1	19.4	19.4	19.4	20.7	20.7	20.7	20.9	20.9	20.9
Salinity (ppt)	32.1	32.2	32.2	32.5	32.5	32.5	31.7	31.7	31.7	32.0	32.1	32.1	31.6	31.6	31.6	31.5	31.5	31.5	32.0	32.1	32.1	31.8	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1
D.O. (mg/L)	4.12	4.03	4.1	4.35	4.27	4.3	4.66	4.61	4.6	3.92	4.04	4.0	3.79	3.73	3.8	3.60	3.52	3.6	4.03	3.95	4.0	3.77	3.82	3.8	3.43	3.30	3.4	3.41	3.46	3.4
D.O. Saturation (%)	59.3	58.0	58.7	62.2	61.1	61.7	66.5	65.8	66.2	56.5	58.2	57.4	52.9	52.0	52.5	50.5	49.4	50.0	56.2	55.5	55.9	53.1	53.7	53.4	46.3	44.9	45.6	46.4	47.1	46.8
Turbidity (NTU)	4.82	4.87	4.8	4.49	4.53	4.5	5.22	5.16	5.2	4.48	4.41	4.4	4.22	4.26	4.3	4.65	4.73	4.7	3.25	3.39	3.3	4.53	4.46	4.5	4.37	4.49	4.4	4.58	4.63	4.6
SS* (mg/L)	5.0	5.0	5.0	4.5	5.0	4.8	5.5	5.5	5.5	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	3.0	3.5	3.3	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.5	4.3
Remarks	No construction activities were observed			No construction activities were observed			Piling work was in progress			Piling work was in progress			General earth work			Piling work in progress			Piling work in progress			Piling work in progress			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	11/12/2006		11/12/2006		13/12/2006		13/12/2006		15/12/2006		15/12/2006		18/12/2006		18/12/2006		20/12/2006		20/12/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	11/12/2006		11/12/2006		13/12/2006		13/12/2006		15/12/2006		15/12/2006		18/12/2006		18/12/2006		20/12/2006		20/12/2006	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	22/12/2006			23/12/2006			27/12/2006			27/12/2006			29/12/2006			29/12/2006		
Time (hh:mm)	13:26 - 13:38			18:10 - 18:19			16:30 - 16:42			11:56 - 12:09			18:24 - 18:39			13:45 - 14:00		
Ambient Temperature	19			17			17			19			16			16		
Weather	Fine			Fine			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	3.00			3.80			3.80			3.00			3.20			3.60		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.4	20.4	20.4	20.5	20.4	20.5	21.1	21.1	21.1	21.2	21.2	21.2	20.4	20.4	20.4	20.5	20.6	20.6
Salinity (ppt)	31.7	31.7	31.7	31.6	31.6	31.6	32.4	32.3	32.4	32.2	32.1	32.2	31.5	31.5	31.5	31.6	31.6	31.6
D.O. (mg/L)	3.30	3.25	3.3	3.61	3.57	3.6	3.42	3.40	3.4	3.29	3.33	3.3	3.64	3.61	3.6	3.89	3.85	3.9
D.O. Saturation (%)	45.9	45.2	45.6	50.6	50.0	50.3	48.6	48.4	48.5	46.5	47.1	46.8	50.5	50.1	50.3	54.0	53.5	53.8
Turbidity (NTU)	4.15	4.21	4.2	3.58	3.52	3.6	4.06	4.00	4.0	4.35	4.40	4.4	3.68	3.65	3.7	3.96	3.85	4.0
SS* (mg/L)	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0
Remarks	Piling work in progress			General earth work			Piling works in progress			Piling works in progress			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	N
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	27/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	27/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	29/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	29/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Within Limit Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	27/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	27/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	29/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Date	29/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

Water Quality Monitoring Results for Station 5

Date	2/12/2006			2/12/2006			4/12/2006			4/12/2006			6/12/2006			6/12/2006			8/12/2006			8/12/2006		
Time (hh:mm)	09:48 - 10:03			15:55 - 16:10			11:30 - 11:45			16:58 - 17:13			13:01 - 13:16			07:58 - 08:13			09:41 - 09:56			18:00 - 18:15		
Ambient Temperature	22			22			18			18			20			20			24			24		
Weather	Fine			Fine			Sunny			Sunny			Fine			Fine			Fine			Fine		
Water Depth (m)	4.30			4.60			4.00			4.20			4.30			4.60			4.60			4.80		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Flood			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	24.0	24.0	24.0	24.2	24.2	24.2	23.9	23.9	23.9	23.7	23.8	23.8	22.5	22.5	22.5	22.3	22.3	22.3	24.6	24.9	24.9	25.1	25.1	25.1
Salinity (ppt)	32.4	32.5	32.5	32.2	32.1	32.2	32.2	32.2	32.2	32.3	32.2	32.3	32.4	32.4	32.4	32.7	32.6	32.7	30.1	30.0	30.1	30.3	30.4	30.4
D.O. (mg/L)	4.20	4.27	4.2	4.33	4.22	4.3	4.70	4.65	4.7	4.53	4.56	4.5	4.68	4.63	4.7	4.83	4.75	4.8	4.70	4.86	4.7	4.81	4.65	4.6
D.O. Saturation (%)	60.5	61.5	61.0	62.0	60.3	61.2	67.2	66.5	66.9	65.2	65.6	65.4	66.9	66.2	66.6	69.8	68.4	69.0	67.5	67.1	67.4	65.5	66.0	65.8
Turbidity (NTU)	4.68	4.59	4.6	4.39	4.47	4.4	4.79	4.80	4.8	4.63	4.66	4.6	4.63	4.69	4.7	4.52	4.48	4.5	4.51	4.56	4.5	4.55	4.52	4.5
SS* (mg/L)	5.0	4.5	4.8	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.0	4.5	4.8	4.5	4.5	4.5	5.0	5.0	5.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?																							
Date	2/12/2006		2/12/2006		4/12/2006		4/12/2006		6/12/2006		6/12/2006		8/12/2006		8/12/2006								
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
Within Limit Level ?																							
Date	2/12/2006		2/12/2006		4/12/2006		4/12/2006		6/12/2006		6/12/2006		8/12/2006		8/12/2006								
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y							

Water Quality Monitoring Results for Station 5

Date	11/12/2006			11/12/2006			13/12/2006			13/12/2006			15/12/2006			15/12/2006			18/12/2006			18/12/2006			20/12/2006			20/12/2006		
Time (hh:mm)	07:30 - 07:45			16:12 - 16:27			08:14 - 08:25			13:12 - 13:24			08:30 - 08:43			14:35 - 14:45			11:15 - 11:23			15:45 - 15:55			12:08 - 12:23			16:45 - 16:53		
Ambient Temperature	20			20			24			21			18			18			14			14			16			18		
Weather	Sunny			Fine			Cloudy			Rainy			Rainy			Rainy			Fine			Fine			Sunny			Sunny		
Water Depth (m)	4.40			4.80			4.80			4.20			4.80			4.20			4.20			4.60			4.80			4.70		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	22.4	22.4	22.4	22.8	22.8	22.9	23.2	23.2	23.2	22.9	22.9	22.9	20.2	20.3	20.3	20.3	20.4	20.4	19.0	19.0	19.0	19.2	19.3	19.3	20.7	20.8	20.8	20.9	20.9	20.9
Salinity (ppt)	32.2	32.3	32.3	32.5	32.5	32.5	31.9	31.9	31.9	32.3	32.3	32.3	31.4	31.4	31.4	31.2	31.2	31.2	32.2	32.2	32.2	32.0	32.0	32.0	32.1	32.2	32.2	32.1	32.2	32.2
D.O. (mg/L)	4.00	4.18	4.1	4.25	4.33	4.3	3.85	3.80	3.8	3.53	3.47	3.5	4.22	4.16	4.2	3.79	3.73	3.8	4.25	4.21	4.2	3.92	3.84	3.9	3.26	3.42	3.3	3.31	3.43	3.4
D.O. Saturation (%)	57.6	60.2	58.9	60.8	62.0	61.4	55.1	54.4	54.8	50.9	50.1	50.5	58.9	58.0	58.5	53.2	52.3	52.8	59.3	58.8	59.1	55.2	54.7	55.0	44.0	45.5	44.8	45.0	46.6	45.8
Turbidity (NTU)	4.72	4.80	4.8	4.66	4.56	4.6	4.60	4.69	4.6	4.29	4.36	4.3	3.76	3.80	3.8	4.24	4.30	4.3	4.07	4.14	4.1	4.24	4.33	4.3	4.32	4.40	4.4	4.43	4.39	4.4
SS* (mg/L)	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5	3.5	3.5	3.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.5	4.3	4.0	4.0	4.0	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			General earth work			General earth work			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	N	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Within Limit Level ?

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	11/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	13/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	15/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	18/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Date	20/12/2006		
D.O. (mg/L)	Y	Y	Y
Turbidity (NTU)	Y	Y	Y
SS (mg/L)	Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	22/12/2006			22/12/2006			27/12/2006			27/12/2006			29/12/2006			29/12/2006		
Time (hh:mm)	13:12 - 13:23			17:55 - 18:07			16:16 - 16:27			11:45 - 11:53			18:04 - 18:19			13:25 - 13:40		
Ambient Temperature	19			17			17			19			16			16		
Weather	Fine			Fine			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	3.20			4.00			4.20			3.20			3.00			3.80		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.6	20.6	20.6	20.3	20.3	20.3	21.5	21.4	21.5	21.1	21.1	21.1	20.2	20.3	20.3	20.5	20.4	20.5
Salinity (ppt)	31.5	31.5	31.5	31.6	31.6	31.6	32.4	32.4	32.4	32.3	32.3	32.3	31.4	31.3	31.4	31.4	31.4	31.4
D.O. (mg/L)	3.92	3.89	3.9	3.97	4.04	4.0	3.30	3.26	3.3	3.64	3.59	3.6	3.85	3.81	3.8	3.97	3.95	4.0
D.O. Saturation (%)	54.5	53.6	54.1	55.6	56.6	56.1	46.9	46.4	46.7	51.5	50.8	51.2	53.5	52.9	53.2	55.1	54.8	55.0
Turbidity (NTU)	3.80	3.75	3.8	3.16	3.22	3.2	5.00	4.91	5.0	4.28	4.19	4.2	3.39	3.38	3.4	4.02	4.05	4.0
SS* (mg/L)	4.0	4.0	4.0	3.5	3.5	3.5	4.5	4.5	4.5	4.5	4.5	4.5	3.5	3.5	3.5	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

22/12/2006	
Y	Y
Y	Y
Y	Y

27/12/2006	
Y	N
Y	Y
Y	Y

27/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

Within Limit Level ?

Date	22/12/2006	
D.O. (mg/L)	Y	Y
Turbidity (NTU)	Y	Y
SS (mg/L)	Y	Y

22/12/2006	
Y	Y
Y	Y
Y	Y

27/12/2006	
Y	Y
Y	Y
Y	Y

27/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

29/12/2006	
Y	Y
Y	Y
Y	Y

Water Quality Monitoring Results for Station 3

Date	03/01/2007			03/01/2007			05/01/2007			05/01/2007			08/01/2007			08/01/2007			10/01/2007			10/01/2007			12/01/2007			12/01/2007		
Time (hh:mm)	13:22 - 13:33			17:35 - 17:48			14:12 - 14:27			09:18 - 09:33			15:48 - 16:00			10:29 - 10:39			17:45 - 18:00			12:03 - 12:18			08:06 - 08:18			12:38 - 12:51		
Ambient Temperature	19			18			18			16			14			13			16			15			18			20		
Weather	Drizzle			Cloudy			Sunny			Sunny			Sunny			Sunny			Fine			Fine			Cloudy			Cloudy		
Water Depth (m)	8.40			7.80			7.90			8.00			8.60			9.20			7.60			7.90			9.00			8.40		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.3	21.3	21.3	21.0	21.0	21.0	21.4	21.3	21.4	21.0	20.9	21.0	19.2	19.1	19.2	18.8	18.8	18.8	21.2	21.2	21.2	21.0	21.1	21.1	20.0	20.0	20.0	20.4	20.5	20.5
Salinity (ppt)	32.5	32.5	32.5	32.3	32.4	32.4	32.2	32.2	32.2	32.3	32.3	32.3	31.8	31.8	31.8	32.4	32.5	32.5	32.1	32.1	32.1	32.0	32.0	32.0	32.4	32.4	32.4	32.1	32.1	32.1
D.O. (mg/L)	4.29	4.22	4.3	4.63	4.57	4.6	4.00	3.93	4.0	3.86	3.92	3.9	4.24	4.17	4.2	4.68	4.61	4.6	4.16	4.27	4.2	4.12	4.24	4.2	4.58	4.54	4.6	4.26	4.20	4.2
D.O. Saturation (%)	61.0	60.0	60.5	65.5	64.7	65.1	54.4	53.4	53.9	51.7	52.5	52.1	59.6	58.6	59.1	66.3	65.3	65.8	55.7	57.1	56.4	55.2	56.8	56.0	63.8	63.2	63.5	59.3	58.5	58.9
Turbidity (NTU)	3.73	3.68	3.7	4.05	4.11	4.1	4.50	4.42	4.5	4.42	4.52	4.5	2.88	3.31	3.1	3.64	3.79	3.7	4.46	4.58	4.5	4.48	4.54	4.5	3.49	3.53	3.5	3.97	4.03	4.0
SS* (mg/L)	3.5	3.5	3.5	3.5	4.0	3.8	5.0	5.0	5.0	4.5	5.0	4.8	3.0	3.5	3.3	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	3.5	4.0	3.8
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			General earth work			General earth work			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?																															
Date	03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Within Limit Level ?																															
Date	03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		12/01/2007		
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		

Water Quality Monitoring Results for Station 3

Date	15/01/2007			15/01/2007			17/01/2007			17/01/2007			19/01/2007			19/01/2007			22/01/2007			22/01/2007			24/01/2007			24/01/2007		
Time (hh:mm)	18:43 - 18:58			10:45 - 11:00			12:00 - 12:15			16:18 - 16:33			13:16 - 13:27			17:40 - 17:52			15:52 - 16:05			09:45 - 09:58			17:15 - 17:25			11:25 - 11:35		
Ambient Temperature	18			18			16			15			18			18			17			17			15			15		
Weather	Cloudy			Cloudy			Rainy			Rainy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	7.80			8.20			7.80			8.20			7.60			8.20			7.60			8.00			8.00			8.40		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.4	21.4	21.4	21.2	21.2	21.2	20.6	20.6	20.6	20.6	20.6	20.6	20.8	20.9	20.9	20.7	20.7	20.7	21.6	21.6	21.6	21.3	21.3	21.3	18.9	18.9	18.9	18.7	18.7	18.7
Salinity (ppt)	32.2	32.2	32.2	32.1	32.0	32.1	32.2	32.2	32.2	32.0	32.2	32.1	31.6	31.6	31.6	31.8	31.8	31.8	32.4	32.5	32.5	32.5	32.6	32.6	32.1	32.1	32.1	32.0	32.0	32.0
D.O. (mg/L)	4.20	4.17	4.2	4.09	4.14	4.1	4.08	4.12	4.1	4.12	4.04	4.1	3.89	3.83	3.9	4.08	4.01	4.0	4.22	4.17	4.2	4.53	4.51	4.5	4.29	4.25	4.3	4.62	4.65	4.6
D.O. Saturation (%)	57.5	57.1	57.3	56.0	56.7	56.4	55.5	56.0	55.8	54.8	53.9	54.4	54.3	47.2	50.8	57.0	56.0	56.5	58.5	57.8	58.2	62.8	62.5	62.7	57.4	56.9	57.2	61.9	62.3	62.1
Turbidity (NTU)	4.52	4.57	4.5	4.32	4.37	4.3	4.48	4.54	4.5	4.52	4.40	4.5	3.60	3.63	3.6	3.95	3.88	3.9	4.28	4.35	4.3	4.04	3.98	4.0	3.78	3.79	3.8	3.21	3.23	3.2
SS* (mg/L)	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?																					
Date		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007		24/01/2007		24/01/2007	
D.O. (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Within Limit Level ?																					
Date		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007		24/01/2007		24/01/2007	
D.O. (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Water Quality Monitoring Results for Station 3

Date	26/01/2007			26/01/2007			29/01/2007			29/01/2007			31/01/2007			31/01/2007		
Time (hh:mm)	19:18 - 19:23			12:33 - 12:48			19:12 - 19:27			10:41 - 10:56			17:10 - 17:23			12:21 - 12:34		
Ambient Temperature	18			16			12			12			16			18		
Weather	Fine			Sunny			Sunny			Sunny			Sunny			Sunny		
Water Depth (m)	7.70			7.80			7.80			8.40			9.40			8.60		
Monitoring Depth	7.50			7.50			7.50			7.50			7.50			7.50		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.9	20.9	20.9	20.8	20.9	20.9	17.7	17.7	17.7	17.4	17.4	17.4	19.0	19.0	19.0	19.6	19.5	19.6
Salinity (ppt)	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.1	32.2	32.4	32.4	32.4	32.0	32.0	32.0
D.O. (mg/L)	4.10	3.98	4.0	4.00	4.16	4.1	4.12	4.09	4.1	4.49	4.45	4.5	4.60	4.53	4.6	4.53	4.46	4.5
D.O. Saturation (%)	55.3	53.7	54.5	53.6	55.8	54.7	56.4	56.0	56.2	61.5	60.9	61.2	63.6	62.6	63.1	62.9	61.9	62.4
Turbidity (NTU)	4.62	4.58	4.6	4.51	4.63	4.6	3.97	3.99	4.0	3.67	3.66	3.7	3.21	3.17	3.2	2.59	2.66	2.6
SS* (mg/L)	4.5	4.5	4.5	5.0	5.0	5.0	4.2	4.2	4.2	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.3	3.2
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	26/01/2007		26/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	26/01/2007		26/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	03/01/2007			03/01/2007			05/01/2007			05/01/2007			08/01/2007			08/01/2007			10/01/2007			10/01/2007			12/01/2007		
Time (hh:mm)	13:06 - 13:15			17:18 - 17:29			13:52 - 14:07			08:58 - 09:13			15:32 - 15:42			10:10 - 10:22			17:25 - 17:40			11:43 - 11:58			07:48 - 07:59		
Ambient Temperature	19			18			18			16			14			13			16			15			18		
Weather	Drizzle			Cloudy			Sunny			Sunny			Sunny			Sunny			Fine			Fine			Cloudy		
Water Depth (m)	4.80			4.40			4.30			4.50			3.40			4.00			4.00			4.40			4.30		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.5	21.6	21.6	21.2	21.2	21.2	21.3	21.4	21.4	21.1	21.1	21.1	19.1	19.1	19.1	19.0	19.0	19.0	21.2	21.2	21.2	21.1	21.1	21.1	20.1	20.2	20.2
Salinity (ppt)	31.6	31.7	31.7	32.0	32.0	32.0	32.1	32.2	32.2	32.2	32.3	32.3	32.0	32.0	32.0	32.3	32.3	32.3	32.0	32.0	32.0	32.1	32.1	32.1	32.2	32.3	32.3
D.O. (mg/L)	3.41	3.35	3.4	3.29	3.26	3.3	3.67	3.53	3.6	3.56	3.41	3.5	3.51	3.46	3.5	4.02	4.08	4.1	4.10	4.03	4.1	4.00	3.91	4.0	3.69	3.63	3.7
D.O. Saturation (%)	48.5	47.6	48.1	46.6	46.1	46.4	49.2	47.3	48.3	47.7	45.7	46.7	49.3	48.6	49.0	56.9	57.8	57.4	55.8	54.9	55.4	54.4	53.2	53.8	51.4	50.5	51.0
Turbidity (NTU)	4.59	4.63	4.6	4.12	4.18	4.2	4.47	4.58	4.5	4.37	4.43	4.4	3.90	3.98	3.9	2.84	2.90	2.9	4.61	4.54	4.6	4.26	4.39	4.3	3.62	3.71	3.7
SS* (mg/L)	4.5	4.5	4.5	4.0	4.0	4.0	5.0	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			Piling works in progress			Piling works in progress			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?

Date	03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	12/01/2007			15/01/2007			15/01/2007			17/01/2007			17/01/2007			19/01/2007			19/01/2007			22/01/2007			22/01/2007		
Time (hh:mm)	12:22 - 12:33			18:17 - 18:33			10:20 - 10:35			11:40 - 11:55			16:08 - 16:13			12:59 - 13:10			17:25 - 17:36			15:30 - 15:44			09:26 - 09:37		
Ambient Temperature	20			18			18			16			15			18			18			17			17		
Weather	Cloudy			Cloudy			Cloudy			Rainy			Rainy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	3.80			4.20			4.40			4.40			4.70			2.80			3.40			3.70			4.20		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.9	20.9	20.9	21.3	21.2	21.3	21.1	21.1	21.1	20.7	20.7	20.7	20.7	20.7	20.7	21.2	21.2	21.2	21.0	21.0	21.0	21.9	21.9	21.9	21.8	21.7	21.8
Salinity (ppt)	31.3	31.3	31.3	32.0	32.1	32.1	32.2	32.1	32.2	32.1	32.1	32.1	32.1	32.1	32.1	31.2	31.2	31.2	31.1	31.1	31.1	32.2	32.1	32.2	32.4	32.4	32.4
D.O. (mg/L)	3.52	3.47	3.5	4.15	4.18	4.2	3.96	3.93	3.9	3.60	3.56	3.6	3.37	3.49	3.4	3.56	3.51	3.5	4.00	3.95	4.0	3.60	3.53	3.6	3.38	3.32	3.4
D.O. Saturation (%)	49.2	48.6	48.9	56.8	57.2	57.0	54.2	53.8	54.0	48.2	47.8	48.0	45.2	46.8	46.0	49.7	49.0	49.4	55.9	55.2	55.6	49.9	48.9	49.4	46.8	46.0	46.4
Turbidity (NTU)	3.45	3.51	3.5	4.69	4.65	4.7	4.33	4.30	4.3	4.32	4.47	4.4	4.53	4.63	4.6	3.22	3.18	3.2	3.51	3.46	3.5	3.48	3.55	3.5	3.92	3.97	3.9
SS* (mg/L)	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	12/01/2007		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	12/01/2007		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 4

Date	24/01/2007			24/01/2007			26/01/2007			26/01/2007			29/01/2007			29/01/2007			31/01/2007			31/01/2007		
Time (hh:mm)	16:50 - 17:05			10:50 - 11:15			19:08 - 19:13			12:13 - 12:28			18:47 - 19:02			10:16 - 10:31			16:52 - 17:03			12:02 - 12:15		
Ambient Temperature	15			15			18			16			12			12			16			18		
Weather	Cloudy			Cloudy			Fine			Sunny			Sunny			Sunny			Sunny			Sunny		
Water Depth (m)	3.80			4.00			4.40			4.50			3.40			3.80			4.00			3.40		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	18.6	18.6	18.6	18.4	18.4	18.4	21.0	21.0	21.0	20.9	20.9	20.9	17.8	17.8	17.8	17.6	17.6	17.6	19.2	19.3	19.3	19.3	19.3	19.3
Salinity (ppt)	32.1	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.4	32.3	32.4	32.4	32.4	32.4	32.2	32.2	32.2	31.9	31.9	31.9
D.O. (mg/L)	3.29	3.26	3.3	3.89	3.85	3.9	3.33	3.42	3.4	3.48	3.57	3.5	3.67	3.62	3.6	3.74	3.71	3.7	3.57	3.51	3.5	3.39	3.33	3.4
D.O. Saturation (%)	44.0	43.6	43.8	52.1	51.5	51.8	45.0	46.2	45.6	46.7	47.9	47.3	50.2	49.5	49.9	50.8	50.4	50.6	49.4	48.5	49.0	47.1	46.2	46.7
Turbidity (NTU)	4.20	4.23	4.2	3.49	3.47	3.5	4.50	4.62	4.6	4.30	4.49	4.4	4.26	4.29	4.3	3.79	3.81	3.8	3.65	3.80	3.7	3.47	3.55	3.5
SS* (mg/L)	4.5	4.5	4.5	4.0	4.0	4.0	5.0	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	3.8	3.8	3.8	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Within Action Level ?																							
Date	24/01/2007		24/01/2007		26/01/2007		26/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007		31/01/2007		31/01/2007				
D.O. (mg/L)	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			

Within Limit Level ?

Within Link Level 1																							
Date	24/01/2007		24/01/2007		26/01/2007		26/01/2007		26/01/2007		29/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007		31/01/2007		
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Water Quality Monitoring Results for Station 5

Date	03/01/2007			03/01/2007			05/01/2007			05/01/2007			08/01/2007			08/01/2007			10/01/2007			10/01/2007			12/01/2007		
Time (hh:mm)	12:50 - 13:02			17:02 - 17:15			13:32 - 13:47			08:38 - 08:53			15:15 - 15:27			09:50 - 10:04			17:05 - 17:20			11:23 - 11:38			07:32 - 07:43		
Ambient Temperature	19			18			18			16			14			13			16			15			18		
Weather	Drizzle			Cloudy			Sunny			Sunny			Sunny			Sunny			Fine			Fine			Cloudy		
Water Depth (m)	5.00			4.60			4.70			4.80			3.60			4.40			4.30			4.70			4.50		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	21.4	21.4	21.4	21.1	21.2	21.2	21.3	21.3	21.3	21.0	21.1	21.1	19.2	19.3	19.3	18.8	18.9	18.9	21.1	21.2	21.2	21.1	21.1	21.1	20.1	20.1	20.1
Salinity (ppt)	31.7	31.7	31.7	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.1	32.1	32.1	32.3	32.3	32.3	32.1	32.1	32.1	32.0	32.1	32.1	32.2	32.2	32.2
D.O. (mg/L)	3.78	3.72	3.8	3.69	3.63	3.7	3.41	3.49	3.5	3.30	3.38	3.3	3.70	3.66	3.7	4.27	4.35	4.3	3.62	3.50	3.6	3.46	3.57	3.5	3.88	3.94	3.9
D.O. Saturation (%)	53.7	52.9	53.3	52.2	51.4	51.8	46.4	47.5	47.0	44.2	45.3	44.8	52.0	51.5	51.8	60.5	61.6	61.1	49.6	47.9	48.8	46.4	47.8	47.1	54.0	54.9	54.5
Turbidity (NTU)	3.82	3.69	3.8	4.39	4.45	4.4	4.40	4.46	4.4	4.36	4.44	4.4	3.69	3.45	3.6	3.24	3.31	3.3	4.50	4.40	4.5	4.22	4.32	4.3	3.89	3.83	3.9
SS* (mg/L)	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	3.5	3.5	3.5	5.0	4.5	4.8	4.5	4.5	4.5	4.0	4.0	4.0
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

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

Within Action Level ?

Date		03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date		03/01/2007		03/01/2007		05/01/2007		05/01/2007		08/01/2007		08/01/2007		10/01/2007		10/01/2007		12/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	12/01/2007			15/01/2007			15/01/2007			17/01/2007			17/01/2007			19/01/2007			19/01/2007			22/01/2007			22/01/2007		
Time (hh:mm)	12:05 - 12:17			18:00 - 18:15			10:03 - 10:18			11:20 - 11:35			15:48 - 16:03			12:45 - 12:57			17:10 - 17:21			15:15 - 15:26			09:08 - 09:21		
Ambient Temperature	20			18			18			16			15			18			18			17			17		
Weather	Cloudy			Cloudy			Cloudy			Rainy			Rainy			Cloudy			Cloudy			Cloudy			Cloudy		
Water Depth (m)	3.80			4.60			4.80			4.70			4.90			3.00			3.60			4.00			4.50		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	20.7	20.8	20.8	21.1	21.1	21.1	21.1	21.0	21.1	20.7	20.7	20.7	20.7	20.7	20.7	21.1	21.0	21.1	21.0	21.0	21.0	21.8	21.9	21.9	21.7	21.7	21.7
Salinity (ppt)	31.9	31.9	31.9	32.1	32.2	32.2	32.1	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	31.3	31.2	31.3	31.2	31.2	31.2	32.3	32.3	32.3	32.4	32.3	32.4
D.O. (mg/L)	3.30	3.26	3.3	3.83	3.87	3.9	3.37	3.34	3.4	3.45	3.49	3.5	3.50	3.41	3.5	3.67	3.62	3.6	3.82	3.77	3.8	3.82	3.75	3.8	3.69	3.63	3.7
D.O. Saturation (%)	46.1	45.5	45.8	52.4	53.0	52.7	46.1	45.7	45.9	46.5	46.9	46.7	46.9	45.8	46.4	51.3	50.6	51.0	53.4	52.7	53.1	52.9	52.0	52.5	51.1	50.3	50.7
Turbidity (NTU)	3.80	3.86	3.8	4.73	4.71	4.7	4.40	4.44	4.4	4.44	4.36	4.4	4.48	4.38	4.4	2.74	2.80	2.8	3.43	3.38	3.4	3.69	3.73	3.7	3.21	3.16	3.2
SS* (mg/L)	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date	12/01/2007		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Within Limit Level ?

Date	12/01/2007		15/01/2007		15/01/2007		17/01/2007		17/01/2007		19/01/2007		19/01/2007		22/01/2007		22/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Water Quality Monitoring Results for Station 5

Date	24/01/2007			24/01/2007			26/01/2007			26/01/2007			29/01/2007			29/01/2007			31/01/2007			31/01/2007		
Time (hh:mm)	16:32 - 16:47			10:32 - 10:47			18:48 - 19:03			11:53 - 12:08			18:30 - 18:45			09:59 - 10:14			16:35 - 16:46			11:45 - 11:57		
Ambient Temperature	15			15			18			16			12			12			16			18		
Weather	Cloudy			Cloudy			Fine			Sunny			Sunny			Sunny			Sunny			Sunny		
Water Depth (m)	3.80			4.20			4.50			4.70			3.40			3.80			4.20			3.60		
Monitoring Depth	5.00			5.00			5.00			5.00			5.00			5.00			5.00			5.00		
Tide	Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood			Mid-Ebb			Mid-Flood		
Trial	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average	Trial 1	Trial 2	Average
Water Temperature (°C)	18.6	18.5	18.6	18.4	18.4	18.4	21.0	21.0	21.0	20.9	20.9	20.9	17.8	17.8	17.8	17.6	17.6	17.6	19.4	19.4	19.4	19.5	19.5	19.5
Salinity (ppt)	32.2	32.1	32.2	32.1	32.0	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.4	32.4	32.4	32.4	32.3	32.4	32.3	32.2	32.3	31.8	31.9	31.9
D.O. (mg/L)	3.43	3.47	3.5	3.74	3.70	3.7	3.38	3.45	3.4	3.33	3.40	3.4	3.75	3.71	3.7	3.89	3.85	3.9	3.81	3.75	3.8	3.54	3.49	3.5
D.O. Saturation (%)	45.6	46.1	45.9	49.7	49.2	49.5	45.6	46.6	46.1	44.9	45.8	45.4	51.3	50.8	51.1	52.9	52.3	52.6	52.7	51.8	52.3	49.2	48.5	48.9
Turbidity (NTU)	4.11	4.10	4.1	3.60	3.63	3.6	4.49	4.37	4.4	4.26	4.38	4.3	3.89	3.86	3.9	3.90	3.93	3.9	3.72	3.77	3.7	3.36	3.30	3.3
SS* (mg/L)	4.5	4.5	4.5	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	3.8	3.5	3.7	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5	3.5
Remarks	No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed			No construction activities were observed		

Within Action Level ?

Date		24/01/2007		24/01/2007		26/01/2007		26/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007	
D.O. (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Turbidity (NTU)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
SS (mg/L)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Within Limit Level ?

Date		24/01/2007		24/01/2007		26/01/2007		26/01/2007		29/01/2007		29/01/2007		31/01/2007		31/01/2007	
D.O. (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turbidity (NTU)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
SS (mg/L)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Annex H

Waste Flow Table

HKCEC – Atrium Link Extension Project

Name of Project Proponent: HKTDC

Project Commencement Date: 1 Aug 2006

Construction Completion Date: March 2009

Monthly Summary Waste Flow Table for Year 2006

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

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

⁽²⁾ Inert C&D material mainly generated from construction of foundation.

⁽³⁾ Reused for building bunds and making sand bags.

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

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

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

HKCEC – Atrium Link Extension Project

Name of Project Proponent: HKTDC

Project Commencement Date: 1 Aug 2006

Construction Completion Date: March 2009

Monthly Summary Waste Flow Table for Year 2007

Year	Actual Quantities of inert C&D Materials (in 10 ³ Kg) ⁽¹⁾					Actual Quantities of C&D Wastes (in 10 ³ Kg) ⁽⁴⁾									
	Total Quantity Generated	Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Steel Materials				Paper/cardboard packaging		Chemical Waste		General refuse	Other waste
						Demolition of existing Atrium Link		Demolition of existing working platform							
	(a)	(b)	(c)	(d)	(a)-(b)-(c)-(d)	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Recycle	Disposal	Disposal	Disposal
January	924	0	0.5	0	923.5	90	0	0	0	0.2	0.05	0	0	60	80
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	924	-	0.5	0	923.5	90	0	0	0	0.2	0.05	0	0	60	80

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

⁽²⁾ Inert C&D material mainly generated from construction of foundation.

⁽³⁾ Reused for building bunds and making sand bags.

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

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

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