



**CONTRACT NO: HK/2009/05**

**WANCHAI DEVELOPMENT PHASE II AND CENTRAL  
WANCHAI BYPASS  
SAMPLING, FIELD MEASUREMENT AND TESTING WORK  
(STAGE 1)**

**ENVIRONMENTAL PERMIT NO. EP-356/2009,  
FURTHER ENVIRONMENTAL PERMIT NOS. FEP-01/356/2009,  
FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009 AND  
FEP-05/356/2009**

**MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT**

**- JUNE 2011 -**

**CLIENTS:**

Civil Engineering and Development  
Department

and

Highways Department

**PREPARED BY:**

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Raymond Dai  
Environmental Team Leader

**DATE:**

14 July 2011

Ref.: AACWBIECEM00\_0\_1569L.11

14 July 2011

AECOM Asia Company Limited  
8/F, Tower 2  
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138 Shatin Rural Committee Road,  
Shatin, New Territories,  
Hong Kong

By Post and Fax (2691 2649)

Attention: Mr. Kelvin CHENG

Dear Sir,

**Re: Wan Chai Development Phase II and Central-Wan Chai Bypass  
Monthly Environmental Monitoring and Audit Report (June 2011) for EP-  
356/2009, FEP-01/356/2009, FEP-02/356/2009, FEP-03/356/2009, FEP-  
04/356/2009 and FEP-05/356/2009**

Reference is made to the Environmental Team's submission of the captioned Monthly Environmental Monitoring and Audit (EM&A) Report for June 2011 dated 14 July 2011.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 in the captioned Environmental Permits.

Thank you very much for your kind attention and please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,



David Yeung  
Independent Environmental Checker

c.c.	HyD	Mr. Jones Lai	by fax: 2714 5289
	CEDD	Mr. Patrick Keung	by fax: 2577 5040
	AECOM	Mr. Francis Leong / Mr. Stephen Lai	by fax: 2691 2649
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**EXECUTIVE SUMMARY**

- i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – June 2011 for the Project of Wan Chai Development Phase II and Central-Wanchai Bypass under Environmental Permit no. EP-356/2009 and Further Environmental permit nos. FEP-01/356/2009, FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009 and FEP-05/356/2009. This report presents the environmental monitoring findings and information recorded during the period 28<sup>th</sup> May 2011 to 27<sup>th</sup> June 2011. The cut-off date of reporting is at 27<sup>th</sup> of each reporting month.

Construction Activities for the Reported Period

- ii. During this reporting period, the major work activities for Contract no. HY/2009/11 included:
- Reclamation works;
  - Concreting;
  - Slotted panel fixing;
  - Drainage Construction works;
  - Outfall construction works;
  - Construction & installation of Concrete Block; and
  - Installation of Caisson Seawall
- iii. During this reporting period, the major work activities for Contract no. HK/2009/01 included:
- Reclamation works of HKCEC water Channel;
  - Assembly of jack-up barge at Tsim Sha Tsui;
  - Installation of sheet pile water channel at Dome Promenade;
  - Removal of rock armours within the HKCEC Water Channel;
  - Installation of cross-harbour water mains nos. B2 & As;
  - Thrust block construction for cross-harbour watermains nos. A1 & B1 was commenced on 7 Jun 2011 when the steel formwork was installed into its working position;
  - Trench excavations for proposed pipe laying works in Convention Avenue, VIP Drop-off Area;
  - Mainlaying works at Zone B1-2 had been completed and the road reinstatement works;
  - Mainlaying works at Zone B1-5;
  - Mainlaying works at Zone A4-3A;
  - Backfilling works for Temporary diversion of 2nos. DN900 cooling water discharge pipes of Convention Plaza;
  - The fenced off area at Zone B4-2 would be continued as a water tank establishment area for cross harbour watermains installation until the original seawall had been reinstated; and
  - Utility diversion works for conflicting utilities at Salisbury Garden of Tsim Sha Tsui

- iv. During this reporting period, the major work activities for Contract no. HK/2009/02 included:
- Tseung Kwan O public fill sorting facility 31,000m<sup>3</sup> sorted fill produced this month;
  - Internal and external decoration for new public toilet;
  - FEHD pre-inspection of new public toilet;
  - Modification works for disable toilet;
  - Modification of hoarding and reinstatement works for public toilet opening was carried out;
  - Basement structure and ground floor slab of passenger terminal building;
  - Modification of existing finger pier deck and tree pits;
  - Stripping interior fixing of existing ferry pier at Expo Drive East;
  - Erection of bamboo scaffolding;
  - Trench excavation and deck over works along Tonnochy Road;
  - Pipe jacking across Harbour Road;
  - Approximate 18m cooling mains was laid at Harbour Road and adjacent to Harbour Centre in this reporting period;
  - Excavation and lateral support for WSD Salt Water Pumping Station at Wan Shing Street;
  - Laying blinding layer for WSD Salt Water Pumping Station at Wan Shing Street;
  - Hacking H-pile head for WSD Salt Water Pumping Station at Wan Shing Street;
  - Excavation and lateral support at Wan Shing Street;
  - Dredging for submarine outfall pipe;
  - Approximate 180m HDPE pipe was laid;
  - Modification of ELS and formwork for top slab of DSD extension chamber;
  - Marine piling works for new ferry pier was ongoing. 43 out of 83 nos. marine piles and
  - Excavation and lateral support for WSD & DSD receiving pits
- v. During this reporting period, the major work activities for Contract no. HY/2009/15 included:
- Dredging of odorous sediment at TS4;
  - Seawall block construction at TS4;
  - Maintenance of navigation channel;
  - Diaphragm wall preparation work at TS1 and TPCWAE;
  - Grouting works at Abutment A;
  - Night time protection works at CHT; and
  - Trial trench work at Hung Hing Road and POC
- vi. During this reporting period, the major work activities for Contract no. HK/2010/06 included:
- Erection of Staging Platform; and
  - Marine Bored Piling

Noise Monitoring

- vii. Noise monitoring during daytime and restricted hour were conducted at the stations M1a, M2b, M3a, M4b and M5b on a weekly basis in the reporting month. Four limit level exceedances were recorded at M1a - Harbour Road Sports Centre on 2, 8, 14 and 24 June 2011 during restricted hour. Investigation found that major traffic noise was contributed in the noise monitoring and not related to the Project.

Real-time Noise Monitoring

- viii. Real-time noise monitoring at FEHD Hong Kong Transport Section Whitefield Depot and Oil Street Community Centre have been commenced on 5 October 2010 for the filling works of Contract no. HY/2009/11. No project-related exceedance was recorded in the reporting month.

Air Quality Monitoring

- ix. Air quality monitoring has been conducted at stations CMA1b, CMA2a, CMA3a, CMA4a, CMA5a and CMA6a. No exceedance was recorded in the reporting month.

Water Quality Monitoring

- x. Water quality monitoring at 18 monitoring stations was conducted three days per week during the reporting period. The action and limit level exceedances of water quality monitoring are summarized in **Table I**.

**Table I Summary of Water Quality Monitoring Exceedances in Reporting Month**

Contract no.	Water Monitoring Station	Mid-flood						Mid-ebb					
		DO		Turbidity		SS		DO		Turbidity		SS	
		AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
HY/2009/11	WSD9	0	0	0	0	0	0	0	0	0	0	0	0
	WSD10	0	0	0	0	0	0	0	0	0	0	0	0
	WSD15	0	0	0	0	0	0	0	0	0	0	0	0
	WSD17	0	0	0	0	0	0	0	0	0	0	0	0
	C8	0	0	0	0	0	0	0	0	0	0	1	0
	C9	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/01	WSD19	0	0	0	0	0	0	0	0	0	0	0	0
	WSD20	0	0	0	1	1	1	0	0	0	0	0	0
	WSD7	0	0	0	0	0	0	0	0	0	0	0	0
	C1	0	0	0	0	0	0	0	0	0	0	0	0
	C3	0	0	0	1	1	1	0	0	0	3	1	1
	C4e	0	0	0	0	0	0	0	0	0	0	1	0
	C4w	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/01 & HK/2010/06	C2	0	0	0	1	1	0	0	0	0	0	0	0
HK/2009/02	C5e	0	0	0	0	0	0	0	0	0	0	0	0



Contract no.	Water Monitoring Station	Mid-flood						Mid-ebb					
		DO		Turbidity		SS		DO		Turbidity		SS	
		AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
	C5w	0	0	0	0	0	0	0	0	0	0	0	0
	WSD21	0	0	0	0	0	0	0	0	0	0	0	0
HY/2009/15	C7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>

Remarks: - The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

Complaints, Notifications of Summons and Successful Prosecutions

- xi. There was one environmental complaint received on 9 June 2011 regarding an odour nuisance suspected generating from the discharge point – Channel T at Watson Road in part of the site area was related to CWB under Contract no. HY/2009/11. No further complaint was received after follow-up action and investigation.

Site Inspections and Audit

- xii. The Environmental Team (ET) conducted weekly site inspections for Contract nos. HY/2009/11, HK/2009/01, HK/2009/02, HY/2009/15 and HK/2010/06 under EP no. EP-356/2009 in the reporting month. Major observations and recommendations made during the audit sessions were rectified by the Contractors. No non-conformance was identified during the site inspections.

Future Key Issues

- xiii. In coming reporting month, the principal work activities of individual contracts are anticipated as follows:

Contract no. HY/2009/11- North Point Reclamation

- Reclamation works;
- Concreting;
- Slotted panel fixing;
- Drainage Construction works;
- Outfall construction works;
- Sheet Piling; and
- Construction & installation of Seawall Block

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

- Sheet pile installation for a temporary water channel covering the existing cooling water intake at Dome Promenade would be completed.
- Removal of rock armours within the HKCEC Water Channel would be continued.

- Installation of both silt screen type 1 & 3 at Tsim Sha Tsui would be completed. Subsequently, installation of sheet piles near the proposed silt screen type 3 at Tsim Sha Tsui would be commenced.
- Installation of cross-harbour watermains nos. A3 & B3 and A4 & B4 would be completed.
- Platform erection for crawler crane mobilization near the existing seawall at Salisbury Garden would be continued and anticipated to be completed.
- Works would be continued at Convention Avenue, VIP Drop-off Area would be continued.
- Excavation of trial pit at Zone B5-1 and Zone B5-3 would be continued in order to determine the suitable alignments for laying the proposed G1 ducts to and from the existing HKCEC Phase 2 LV Switch room.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

- Operating Tseung Kwan O Public Fill Sorting Facility;
- Modification works for disabled toilet;
- Construction of passenger terminal;
- Demolition of remaining ferry pier;
- Casting seawall coping for Expo Drive East seawall modification;
- Modification of hoarding at Expo Drive East for public toilet opening.
- Trench excavation and pipe laying works for cooling mains;
- Trench excavation and deck over at Tonnochy Road;
- Lean concrete at P7, P8 and P9 pump stations;
- Hacking H-pile head and cast the base slab at -5mPD for WSD Salt Water Pumping Station at Wan Shing Street;
- Excavation and lateral support at Wan Shing Street for WSD Salt Water Intake;
- Pre-bored H-pile at for WSD Salt Water Intake and Box Culvert N1 at WCR1 Area;
- Dredging for submarine outfall pipe; and
- Connection chamber at DSD Screening Plant

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- Seawall block construction at TS4;
- Filling at TS4;
- Maintenance of navigation channel;
- Diaphragm wall construction at TS1 and TPCWAE;
- Precautionary works at Abutment A; and
- Night time protection works at CHT



Contract no. HK/2010/06 - Wan Chai Development Phase II – Central – Wan Chai Bypass  
over MTR Tsuen Wan Line

- Marine Bored Piling;
- Erection of Staging Platform; and
- Disposal of Type 1 and Type 2 Marine Sediment for Piling Works

## 1. Introduction

### 1.1 Scope of the Report

- 1.1.1. Lam Geotechnics Limited (LGL) has been appointed to work as the Environmental Team (ET) under Environmental Permit no. EP-356/2009 and Further Environmental permit nos. FEP-01/356/2009, FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009 and FEP-05/356/2009 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) and in the EM&A Manual of the approved EIA Report for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-014/2001).
- 1.1.2. This report presents the environmental monitoring and auditing work carried out in accordance to the Section 10.3 of EM&A Manual and “*Environmental Monitoring and Audit Requirements*” under Particular Specification Section 27.
- 1.1.3. This report documents the finding of EM&A works for Environmental Permit no. EP-356/2009, Further Environmental Permit no. FEP-01/356/2009, FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009 and FEP-05/356/2009 and during the period 28<sup>th</sup> May to 27<sup>th</sup> June 2011. The cut-off date of reporting is at 27<sup>th</sup> of each reporting month.

### 1.2 Structure of the Report

- Section 1**     *Introduction* – details the scope and structure of the report.
- Section 2**     *Project Background* – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.
- Section 3**     *Status of Regulatory Compliance* – summarizes the status of valid Environmental Permits / Licenses during the reporting period.
- Section 4**     *Monitoring Requirements* – summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency, criteria and respective event and action plan and monitoring programmes.
- Section 5**     *Monitoring Results* – summarizes the monitoring results obtained in the reporting period.
- Section 6**     *Compliance Audit* – summarizes the auditing of monitoring results, all exceedances environmental parameters.
- Section 7**     *Cumulative Construction Impact due to the Concurrent Projects* – summarizes the relevant cumulative construction impact due to the concurrent activities of the concurrent Projects.



- Section 8**     ***Site Inspection*** – summarizes the findings of weekly site inspections undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.
- Section 9**     ***Complaints, Notification of summons and Prosecution*** – summarizes the cumulative statistics on complaints, notification of summons and prosecution
- Section 10**    ***Conclusion***

## 2. Project Background

### 2.1 Background

- 2.1.1. “Wan Chai Development phase II and Central-Wan Chai Bypass” and “Central-Wan Chai Bypass and Island Eastern Corridor Link” (hereafter called “the Project”) are Designed Project (DP) under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). The Environmental Impact Assessment (EIA) Reports for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001) and Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) have been approved on 31 August 2001 and 11 December 2008 respectively.
- 2.1.2. The key purpose of Wan Chai Development Phase II (WDII) is to provide land at Wan Chai North and North Point for construction of the Central-Wan Chai Bypass and Island Eastern Corridor Link (CWB). Land formed under the project will be developed as a world-class waterfront promenade joining that at the new Central waterfront for public enjoyment.
- 2.1.3. There is a compelling and present need for the CWB to provide relief to the very congested east-west Connaught Road Central/Harcourt Road / Gloucester Road Corridor (the Corridor) which is currently operating beyond its capacity. The CWB will provide relief to the existing congestion along the Corridor and cater for the anticipated growth of traffic on Hong Kong Island. Without the CWB and its access roads, there will not be sufficient capacity to serve the heavy traffic demands at both strategic and local levels.

### 2.2 Scope of the Project and Site Description

- 2.2.1. The Project is located mainly in Wan Chai North, Causeway Bay and North Point, and is demarcated by Gloucester Road and Victoria Park Road to the south, Fenwick Pier Street to the west and Tong Shui Road Interchange to the east, as shown in **Figure 2.1**.
- 2.2.2. The study area encompasses existing developments along the Wan Chai, Causeway Bay and North Point shorelines. Major land uses include the Hong Kong Convention & Exhibition Centre (HKCEC) Extension, the Wan Chai Ferry Pier, the ex-Wan Chai Public Cargo Working Area (ex-PCWA), the Royal Hong Kong Yacht Club (RHKYC), the Police Officers’ Club, the Causeway Bay Typhoon Shelter (CBTS) and commercial and residential developments.
- 2.2.3. The scope of the Project comprises:
- Land formation for key transport infrastructure and facilities, including the Trunk Road (i.e. CWB) and the associated slip roads for connection to the Trunk Road and for through traffic from Central to Wan Chai and Causeway Bay. The land formed for the above transport infrastructure will provide opportunities for the development of an attractive waterfront promenade for the enjoyment of the public
  - Reprovisioning / protection of the existing facilities and structures affected by the land formation works mentioned above
  - Extension, modification, reprovisioning or protection of existing storm water drainage outfalls, sewerage outfalls and watermains affected by the revised land use and land formation works mentioned above

- Upgrading of hinterland storm water drainage system and sewerage system, which would be rendered insufficient by the land formation works mentioned above
- Provision of the ground level roads, flyovers, footbridges, necessary transport facilities and the associated utility services
- Construction of the new waterfront promenade, landscape works and the associated utility services
- The Trunk Road (i.e. CWB) within the study area and the associated slip roads for connection to the Trunk Road.

2.2.4. The project also contains various Schedule 2 DPs that, under the EIAO, require Environmental Permits (EPs) to be granted by the DEP before they may be either constructed or operated. **Table 2.1** summarises the five individual DPs under this Project. **Figure 2.1** shows the locations of these Schedule 2 DPs.

**Table 2.1 Schedule 2 Designated Projects under this Project**

Item	Designated Project	EIAO Reference	Reason for inclusion
DP1	Central-Wanchai Bypass (CWB) including its road tunnel and slip roads	Schedule 2, Part I, A.1 and A.7	Trunk road and road tunnel more than 800 m in length
DP2	Road P2 and other roads which are classified as primary/district distributor roads	Schedule 2, Part I, A.1	Primary / district distributor roads
DP3	Reclamation works including associated dredging works	Schedule 2, Part I, C.1 and C.12	Reclamation more than 5 ha in size and a dredging operation less than 100 m from a seawater intake point
DP5	Wan Chai East Sewage Outfall	Schedule 2, Part I, F.5 and F.6	Submarine sewage pipelines with a total diameter more than 1,200 mm and include a submarine sewage outfall
DP6	Dredging for the Cross-harbour Water Mains from Wan Chai to Tsim Sha Tsui	Schedule 2, Part I, C.12	A dredging operation less than 100 m from a seawater intake point

### 2.3 Division of the Project Responsibility

2.3.1. Due to the multi-contract nature of the Project, there are a number of contracts sub-dividing the whole works area into different work areas to be commenced. Contractors of individual contracts will be required by the EP holder to apply Further Environmental Permits (FEP) such that the impact monitoring stations are sub-divided accordingly to facilitate the implementation of EM&A programme and to streamline the EM&A reporting for individual FEP holders correspondingly.

2.3.2. The details of individual contracts are summarized in **Table 2.2**.

**Table 2.2 Details of Individual Contracts under the Project**

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
HK/2009/01	Wan Chai Development Phase II – Central –Wanchai Bypass at Hong Kong Convention and Exhibition Centre	DP3, DP6	23 July 2010
		DP1, DP2	25 August 2011
HK/2009/02	Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East	DP3, DP5	5 July 2010
		DP1	26 April 2011
HY/2009/11	Wan Chai Development Phase II and Central – Wan Chai Bypass – North Point Reclamation	DP3	17 March 2010
HY/2009/15	Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)	DP3	10 November 2010
		DP1	13 July 2011
HK/2010/06	Wan Chai Development Phase II-Central-Wan Chai Bypass over MTR Tsuen Wan Line	DP3	22 March 2011
04/HY/2006	Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street	DP1	September 2010
HY/2009/17	Central - Wan Chai Bypass (CWB) at FEHD Whitfield Depot - Advanced piling works.	DP1	5 October 2010
HY/2009/18	Central - Wan Chai Bypass (CWB) – Central Interchange	DP1	21 April 2011
HY/2009/19	Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link	DP1	24 March 2011

## 2.4 Project Organization and Contact Personnel

- 2.4.1. Civil Engineering and Development Department and Highways Department are the overall project controllers for the Wan Chai Development Phase II and Central-Wan Chai Bypass respectively. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.
- 2.4.2. The proposed project organization and lines of communication with respect to environmental protection works are shown in **Figure 2.2**. Key personnel and contact particulars are summarized in **Table 2.3**:

**Table 2.3 Contact Details of Key Personnel**

Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer for WDII	Principal Resident Engineer	Mr. Frankie Fan	2587 1778	2587 1877
	Engineer for CWB	Principal Resident Engineer	Mr. Peter Poon	3916 1818	3529 2829
China Harbour-	Contractor under Contract	Project Director	Mr. Cho Yu Fun	3157 1086	3157 1085





Party	Role	Post	Name	Contact No.	Contact Fax
CRBC Joint Venture	no. HY/2009/11	Project Manager	Mr. Gregory Wong	3157 1086	
		Site Agent	Mr. Daniel Cheung	3157 1086	
		Environmental Officer	Mr. C. M. Wong	3157 1086	
Chun Wo – Leader Joint Venture	Contractor under Contract no. HK/2009/01	Project Director	Simon Tong	9124 2471	2634 1626
		Site Agent	Paul Yu	9456 9819	
		Operation Manager	Lau Yee Ching	9466 3918	
		Construction Manager	David Wong	9653 8635	
		Construction Manager	Wilson Lau	5183 1270	
		Construction Manager	Chan Mui Sang	9864 8615	
		Environmental Officer (Compliance Manager)	Brian Wan	9312 2827	
		Environmental Engineer	Shelton Chan	5395 5470	
Chun Wo – CRGL Joint Venture	Contractor under Contract no. HK/2009/02	Project Manager	Mr. Chan Sing Cho	3658 3002	2827 9996
		Site Agent	Mr. Eric Lam	3658 3048	
		Deputy Site Agent	Mr. Anthony Wu	3658 3004	
		Quality & Environmental Manager	Mr. C.P. Ho	3658 3000	
		Environmental Officer	Ms. Flora Ng	3658 3064	
China State Construction Engineering (HK) Ltd.	Contractor under Contract no. HY/2009/15	Project Manager	Mr. M Y Wong	2823 7879	2528 5651
		Site Agent	Mr. Simon Tang	3557 6358	2566 2192
		Construction Manager	Mr. C K Kwok	9779 2162	
		Assistant Construction Manager (East)	Mr. Gene Cheung	6105 4880	
		Assistant Construction Manager (West)	Mr. Tony Chiu	9090 0606	
		Section Agent (East)	Mr. Jason Chan	9254 1635	

Party	Role	Post	Name	Contact No.	Contact Fax
		Section Agent (West)	Mr. Tang Ka Tung	9473 4771	
		Environmental Manager	Mr. Samuel Tsui	3557 6347	
Gammon -Leader JV	Contractor under Contract no. HK/2010/06	Project Manager	Mr. Simon Tong	9124 2471	2529 2880
		Site Agent	Mr. Book Kin Man	9193 8680	
		Environmental Officer	Mr. Lee Wai Man	9481 6024	
ENVIRON Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3743 0788	3548 6988
Lam Geotechnics Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331

2.4.3. For Contract no. HY/2009/11, the principal work activities in this reporting month included:

- Reclamation works;
- Concreting;
- Slotted panel fixing;
- Drainage Construction works;
- Outfall construction works;
- Construction & installation of Concrete Block; and
- Installation of Caisson Seawall

2.4.4. For Contract no. HK/2009/01, the principal work activities in this reporting month included:

- Reclamation works of HKCEC water Channel;
- Assembly of jack-up barge at Tsim Sha Tsui;
- Installation of sheet pile water channel at Dome Promenade;
- Removal of rock armours within the HKCEC Water Channel;
- Installation of cross-harbour water mains nos. B2 & As;
- Thrust block construction for cross-harbour watermains nos. A1 & B1 was commenced on 7 Jun 2011 when the steel formwork was installed into its working position;
- Trench excavations for proposed pipe laying works in Convention Avenue, VIP Drop-off Area;
- Mainlaying works at Zone B1-2 had been completed and the road reinstatement works;
- Mainlaying works at Zone B1-5;
- Mainlaying works at Zone A4-3A;

- Backfilling works for Temporary diversion of 2nos. DN900 cooling water discharge pipes of Convention Plaza;
- The fenced off area at Zone B4-2 would be continued as a water tank establishment area for cross harbour watermain installation until the original seawall had been reinstated; and
- Utility diversion works for conflicting utilities at Salisbury Garden of Tsim Sha Tsui

2.4.5. For Contract no. HK/2009/02, the principal work activities in this reporting month included:

- Tseung Kwan O public fill sorting facility 31,000m<sup>3</sup> sorted fill produced this month;
- Internal and external decoration for new public toilet;
- FEHD pre-inspection of new public toilet;
- Modification works for disable toilet;
- Modification of hoarding and reinstatement works for public toilet opening was carried out;
- Basement structure and ground floor slab of passenger terminal building;
- Modification of existing finger pier deck and tree pits;
- Stripping interior fixing of existing ferry pier at Expo Drive East;
- Erection of bamboo scaffolding;
- Trench excavation and deck over works along Tonnochy Road;
- Pipe jacking across Harbour Road;
- Approximate 18m cooling mains was laid at Harbour Road and adjacent to Harbour Centre in this reporting period;
- Excavation and lateral support for WSD Salt Water Pumping Station at Wan Shing Street;
- Laying blinding layer for WSD Salt Water Pumping Station at Wan Shing Street;
- Hacking H-pile head for WSD Salt Water Pumping Station at Wan Shing Street;
- Excavation and lateral support at Wan Shing Street;
- Dredging for submarine outfall pipe;
- Approximate 180m HDPE pipe was laid;
- Modification of ELS and formwork for top slab of DSD extension chamber;
- Marine piling works for new ferry pier was ongoing. 43 out of 83 nos. marine piles; and
- Excavation and lateral support for WSD & DSD receiving pits

2.4.6. For Contract no. HY/2009/15, the principal work activities in this reporting month included:

- Dredging of odorous sediment at TS4;
- Seawall block construction at TS4;
- Maintenance of navigation channel;
- Diaphragm wall preparation work at TS1 and TPCWAE;

- Grouting works at Abutment A;
- Night time protection works at CHT; and
- Trial trench work at Hung Hing Road and POC

2.4.7. For Contract no. HK/2010/06, the principal work activities in this reporting month included:

- Erection of Staging Platform; and
- Marine Bored Piling

2.4.8. In coming reporting month, the principal work activities of individual contracts are anticipated as follows:

Contract no. HY/2009/11- North Point Reclamation

- Reclamation works;
- Concreting;
- Slotted panel fixing;
- Drainage Construction works;
- Outfall construction works;
- Sheet Piling; and
- Construction & installation of Seawall Block

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

- Sheet pile installation for a temporary water channel covering the existing cooling water intake at Dome Promenade would be completed.
- Removal of rock armours within the HKCEC Water Channel would be continued.
- Installation of both silt screen type 1 & 3 at Tsim Sha Tsui would be completed. Subsequently, installation of sheet piles near the proposed silt screen type 3 at Tsim Sha Tsui would be commenced.
- Installation of cross-harbour watermains nos. A3 & B3 and A4 & B4 would be completed.
- Platform erection for crawler crane mobilization near the existing seawall at Salisbury Garden would be continued and anticipated to be completed.
- Works would be continued at Convention Avenue, VIP Drop-off Area would be continued.
- Excavation of trial pit at Zone B5-1 and Zone B5-3 would be continued in order to determine the suitable alignments for laying the proposed G1 ducts to and from the existing HKCEC Phase 2 LV Switch room.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

- Operating Tseung Kwan O Public Fill Sorting Facility;

- Modification works for disable toilet;
- Construction of passenger terminal;
- Demolition of remaining ferry pier;
- Casting seawall coping for Expo Drive East seawall modification;
- Modification of hoarding at Expo Drive East for public toilet opening.
- Trench excavation and pipe laying works for cooling mains;
- Trench excavation and deck over at Tonnochy Road;
- Lean concrete at P7, P8 and P9 pump stations;
- Hacking H-pile head and cast the base slab at -5mPD for WSD Salt Water Pumping Station at Wan Shing Street;
- Excavation and lateral support at Wan Shing Street for WSD Salt Water Intake;
- Pre-bored H-pile at for WSD Salt Water Intake and Box Culvert N1 at WCR1 Area;
- Dredging for submarine outfall pipe; and
- Connection chamber at DSD Screening Plant

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- Seawall block construction at TS4;
- Filling at TS4;
- Maintenance of navigation channel;
- Diaphragm wall construction at TS1 and TPCWAE;
- Precautionary works at Abutment A; and
- Night time protection works at CHT

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central – Wan Chai Bypass over MTR Tsuen Wan Line

- Marine Bored Piling;
- Erection of Staging Platform; and
- Disposal of Type 1 and Type 2 Marine Sediment for Pilling Works

**3. Status of Regulatory Compliance**

**3.1 Status of Environmental Licensing and Permitting under the Project**

3.1.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in **Table 3.1**.

**Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project**

Permits and/or Licences	Reference No.	Issued Date	Status
Environmental Permit	EP-356/2009	30 Jul 2009	Valid
Environmental Permit	EP-364/2009/A	4 Aug 2010	Valid
Environmental Permit	EP-364/2009	17 Aug 2009	Superseded
Environmental Permit	EP-376/2009	13 Nov 2010	Valid
Further Environmental Permit	FEP-01/356/2009	18 Feb 2010	Valid
Further Environmental Permit	FEP-02/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-04/356/2009	22 Nov 2010	Valid
Further Environmental Permit	FEP-05/356/2009	24 Mar 2011	Valid
Further Environmental Permit	FEP-01/364/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-02/364/2009	21 Apr 2010	Valid
Further Environmental Permit	FEP-03/364/2009	12 Jul 2010	Valid
Further Environmental Permit	FEP-04/364/2009/A	14 Oct 2010	Valid
Further Environmental Permit	FEP-05/364/2009/A	15 Nov 2010	Valid
Further Environmental Permit	FEP-06/364/2009/A	22 Nov 2010	Valid
Further Environmental Permit	FEP-07/364/2009/A	25 Feb 2011	Valid

3.1.2. Due to the multi-contract nature of the Project, the status of permits and/or licences under the individual contract(s) are presented as below:

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

3.1.3. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-01/356/2009 for contract no. HY/2009/11 are shown in **Table 3.2** and **Table 3.3**.

**Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/11**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-01/356/2009	18 Feb 2010	N/A	Valid
Notification of Works Under APCO	314911	9 Mar 2010	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0330-11	15 Apr 2011	1 May 2011 to 31 Oct 2011	Valid
Registration as a Chemical Waste Producer	WPN5213-151-C36 31-02	12 Oct 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance	7010037	13 Jan 2010	N/A	Valid
Discharge Licence	WT00007942-2010	29 Nov 2010	30 Nov 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/11-116	29 Dec 2010	31 Dec 2010 to 29 Jun 2011	Valid until 29 Jun 2011
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal)	EP/MD/12-008	28 Apr 2011	30 Apr 2011 to 29 May 2011	Expired
	EP/MD/12-025	31 May 2011	1 Jun 2011 to 29 Jun 2011	Valid

**Table 3.3 Summary of submission status under FEP-01/356/2009 Condition**

EP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	18 Dec 2009
Condition 2.7	Submission of works schedule and location plan	8 Feb 2010
Condition 2.8	Revised Silt Curtain Deployment Plan (Rev. 3)	4 Dec 2010
Condition 2.9	Silt Screen Deployment Plan (Rev. 6)	18 May 2011
Condition 2.10	Coral Translocation Plan	20 Nov 2009
Condition 2.16	Revised Noise Management Plan (Rev 5)	19 Feb 2011
Condition 2.17	Landscape Plan	12 May 2010
	Revised landscape Plan	30 Jun 2010
	Submission of Supplementary Information - Revised Management & Maintenance Schedule for Submitted Revised Landscape Plan	25 Aug 2010

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

3.1.4. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2009/01 under FEP-02/356/2009 are shown in **Table 3.4** and **Table 3.5**.

**Table 3.4 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/01**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-02/356/2009	24 Mar 2010	N/A	Valid
	FEP-02/364/2009	21 Apr 2010	N/A	Valid
Notification of Works Under APCO	313088	6 Jan 2010	N/A	Valid
Construction Noise Permit (CNP) for piling equipment	PP-RS0045-10	21 Dec 2010	21 Dec 2010 to 20 Jun 2011	Expired
Construction Noise Permit (CNP) for non-piling equipment	GW-RS1074-10	3 Dec 2010	09 Dec 2010 to 08 Jun 2011	Valid
	GS-RS0022-11	12 Jan 2011	23 Jan 2011 to 22 Jul 2011	Withdrawn
	GW-RS0107-11	8 Feb 2011	16 Mar 2011 to 15 Sep 2011	Valid
	GW-RS0111-11	11 Feb 2011	28 Feb 2011 to 31 Aug 2011	Valid
	GW-RS0311-11	1 Apr 2011	7 Apr 2011 to 6 Oct 2011	Withdrawn
	GW-RS0384-11	29 Apr 2011	27 May 2011 to 26 Nov 2011	Valid
	GW-RS0421-11	6 May 2011	11 May 2011 to 10 Nov 2011	Valid
	GW-RS0450-11	20 May 2010	9 Jun 2010 to 8 Dec 2011	Valid
Discharge Licence	WT00006220-2010	18 Mar 2010	31 Mar 2015	Valid
Billing account under Waste Disposal Ordinance	7010069	21 Jan 2010	N/A	Valid
Registration as a Chemical Waste Producer	WPN5213-134-C358 5-01	21 Jan 2010	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/12-021	20 May 2011	24 May 2011 to 23 Nov 2011	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal)	EP/MD/11-164	6 Apr 2011	8 Apr to 7 May 2011	Expired

**Table 3.5 Summary of submission status under FEP-02/356/2009 Condition**

EP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	13 Apr 2010



EP Condition	Submission	Date of Submission
Condition 2.7	Works Schedule and Location Plan	8 Apr 2010
Condition 2.8	Silt Curtain Deployment Plan	19 Apr 2010
Condition 2.9	Silt Screen Deployment Plan	19 Apr 2010
Conditions 2.8 and 2.9	Supplementary Document on Silt Curtain and Silt Screen Deployment Plan	19 Jul 2010
	Report on Field Testing for Silt Curtain	26 Aug 2010
	Report on Field Testing for Silt Curtain (Rev. A)	15 Nov 2010
Condition 2.12(d)	Alternative Proposal on Concurrent Dredging for Sewage Pipeline and Cross Harbour Water Mains	15 Apr 2011
Condition 2.17	Noise Management Plan	23 Apr 2010
Condition 2.18	Landscape Plan (Erection of Decorative Screen Hoarding along Construction Site around Hong Kong Exhibition and Convention Centre)	15 May 2010
	Landscape Plan (Night-time Lighting)	22 Oct 2010
	Landscape Plan (Rev. B)	15 Nov 2010

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

3.1.5. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2009/02 under FEP-03/356/2009 are shown in **Table 3.6** and **Table 3.7**.

**Table 3.6 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	N/A	Valid
	FEP-01/364/2009	24 Mar 2010	N/A	Valid
Notification of Works Under APCO	313962	2 Feb 2010	N/A	Valid
Construction Noise Permit (CNP) for piling equipment	PP-RS0037-10	3 Nov 2010	1 Dec 2010 to 31 May 2011	Expired
	PP-RS0046/10	24 Dec 2010	3 Jan to 31 May 2011	Expired



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	PP-RS0011-11	27 April 2011	1 June 2011 to 30 Nov 2011	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS1154-10	8 Dec 2010	8 Jan 2011 to 7 June 2011	Expired
	GW-RS0033-11	19 Jan 2011	01 Feb to 31 Jul 2011	Valid
	GW-RS0074-11	28 Jan 2011	1 Feb 2011 to 7 Jun 2011	Expired
	GW-RS0093-11	2 Feb 2011	17 Feb 2011 to 16 Jul 2011	Valid
	GW-RS0116-11	11 Feb 2011	15 Feb 2011 to 14 Jul 2011	Withdrawn
	GW-RS0225-11	17 Mar 2011	31 Mar 2011 to 30 Sept 2011	Withdrawn
	GW-RS0235-11	23 Mar 2011	31 Mar 2011 to 20 Jun 2011	Withdrawn
	GW-RS0280-11	30 Mar 2011	31 Mar 2011 to 30 Sep 2011	Valid
	GW-RS0310-11	1 April 2011	2 Apr 2011 to 14 July 2011	Withdrawn
	GW-RS0335-11	8 April 2011	11 Apr 2011 to 30 Sept 2011	Withdrawn
	GW-RS0343-11	11 April 2011	25 Apr 2011 to 10 Oct 2011	Valid
	GW-RS0369-11	21 April 2011	1 May 2011 to 31 Oct 2011	Valid
	GW-RS0377-11	27 April 2011	1 May 2011 to 31 Oct 2011	Valid
	GW-RE0311-11	4 May 2011	5 May 2011 to 31 Oct 2011	Valid
	GW-RS0401-11	3 May 2011	18 May 2011 to 17 Nov 2011	Valid
	GW-RS0414-11	3 May 2011	9 May 2011 to 8 Nov 2011	Valid
	GW-RS0423-11	9 May 2011	22 May 2011 to 21 Nov 2011	Valid
	GW-RS0430-11	9 May 2011	16 May 2011 to 15 Nov 2011	Valid
	GW-RS0453-11	19 May 2011	23 May 2011 to 22 Nov 2011	Valid
	GW-RS0458-11	17 May 2011	21 May 2011 to 20 Nov 2011	Valid
GW-RS0461-11	19 May 2011	23 May 2011 to 22 Nov 2011	Valid	
GW-RS0473-11	27 May 2011	01 Jun 2011 to 30 Nov 2011	Valid	

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0496-11	31 May 2011	07 Jun 2011 to 06 Dec 2011	Valid
	GW-RS0502-11	8 Jun 2011	13 Jun 2011 to 12 Dec 2011	Valid
Discharge Licence	WT00006249-2010	22 Mar 2010	31 Mar 2015	Valid
	WT00006436-2010	15 Apr 2010	30 Apr 2015	Valid
	WT00006673-2010	14 May 2010	31 May 2015	Valid
	WT00006757-2010	28 May 2010	31 May 2015	Valid
	WT00007129-2010	28 July 2010	31 Jul 2015	Valid
	WT00008982-2011	26 April 2011	30 Apr 2016	Valid
Billing Account under Waste Disposal Ordinance (Land)	7010255	10 Feb 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance (Marine)	7011496	6 Oct 2010	N/A	Valid
Registration as Chemical Waste Producer	WPN5213-135-C3 593-01	10 Mar 2010	N/A	Valid
	WPN5213-839-C3 593-02	22 Sep 2010	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/10-093	25 Nov 2010	29 Nov 2010 to 28 May 2011	Expired
	EP/MD/12-012	6 May 2011	29 May 2011 to 28 Nov 2011	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	EP/MD/12-009	29 April 2011	10 May 2011 to 9 June 2011	Expired
	EP/MD/12-023	24 May 2011	10 June 2011 to 9 July 2011	Valid

**Table 3.7 Summary of submission status under FEP-03/356/2009 Condition**

EP Condition	Submission	Date of Submission
Condition 1.12	Commencement Date of Construction of Marine Works	8 April 2010
Condition 2.6	Management Organization of Main Construction Companies	10 April 2010
Condition 2.7	Works Schedule and Location Plans	8 April 2010
Condition 2.8	Silt Curtain Deployment Plan Rev. H	15 Feb 2011
Condition 2.9	Silt Screen Deployment Plan	21 April 2010
	Supplementary Information for Existing WSD Salt Water Intakes at Quarry Bay and Sai Wan Ho	5 Oct 2010

EP Condition	Submission	Date of Submission
Condition 2.12 (d)	Alternative Proposal on Concurrent Dredging for Sewage Pipeline and Cross Harbour Water Mains	19 Apr 2011
Condition 2.17	Noise Management Plan	6 May 2010
Condition 2.18	Landscape Plan (Decorative Screen Hoarding)	11 May 2010
	Landscape Plan (Control of Night Time Lighting)	2 June 2010

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- 3.1.6. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HY/2009/15 under EP-356/2009 are shown in **Table 3.8** and **Table 3.9**.

**Table 3.8 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/15**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-04/356/2009	22 Nov 2010	N/A	Valid
	FEP-06/364/2009/A	22 Nov 2010	N/A	Valid
Notification of Works Under APCO	321822	24 Sep 2010	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0141-11	14 Feb 2011	15 Feb to 14 Aug 2011	Valid
	GW-RS0168-11	21 Feb 2011	24 Feb to 23 Aug 2011	Valid
	GW-RS0220-11	16 Mar 2011	16 Mar to 15 Sep 2011	Valid
	GW-RS0308-11	1 Apr 2011	4 Apr to 27 Sep 2011	Valid
	GW-RS0594-11	27 Jun 2011	29 Jun to 28 Dec 2011	Valid
Registration as a Chemical Waste Producer	WPN5213-147-C116 9-35	15 Nov 2010	N/A	Valid
Water Discharge Licence	WT00008780-2011	22 Mar 2011	22 Mar 2011 to 31 Mar 2016	Valid
	WT00008905-2011	11 Apr 2011	11 Apr 2011 to 30 Apr 2016	Valid
Billing Account under Waste Disposal Ordinance	7011553	30 Sep 2010	27 Sep 2010 to 27 Jan 2016	Valid
Billing Account under Waste Disposal Ordinance (Dumping by Vessel)	7011761	28 Apr 2011	1 May 2011 to 30 Oct 2011	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/11-120	17 Jan 2011	18 Jan 2011 to 17 Jul 2011	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	EP/MD/12-017	19 May 2011	1 Jun 2011 to 30 Jun 2011	Valid until 30 Jun 2011
	EP/MD/12-028	9 Jun 2011	1 Jul 2011 to 31 Jul 2011	To be valid since 1 Jul 2011

**Table 3.9 Summary of submission status under FEP-04/356/2009 Condition**

EP Condition	Submission	Date of Submission
Condition 2.7	Works Schedule and Location Plans	27 Oct 2010
	Amendment for Works Schedule and Location Plans	12 Nov 2010
Condition 2.8	Silt Curtain Deployment Plan Rev 2	11 May 2011
Condition 2.9	Silt Screen Deployment Plan Rev3	15 Jun 2011
Condition 2.18	Amendment for Proposal for the Removal of Odorous Sediment and Slime	8 Mar 2011
Condition 2.23	Amendment for Noise Management Plan	27 Jan 2011

3.1.7. Implementation status of the recommended mitigation measures during this reporting period is presented in **Appendix 3.1**.

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central –Wanchai Bypass over MTR Tsuen Wan Line

3.1.8. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2010/06 under EP-356/2009 are shown in **Table 3.10** and **Table 3.11**.

**Table 3.10 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2010/06**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-05/356/2009	24 Mar 2011	N/A	Valid
Notification of Works Under APCO	326344	18 Jan 2011	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0240-11	25 Mar 2011	7 Apr 2011 to 6 Oct 2011	Valid
	GW-RS0293-11	1 Apr 2011	6 Apr 2011 to 5 Oct 2011	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0605-11	29 Jun 2011	13 Jul 2011 to 12 Jan 2012	To be valid since 13 Jul 2011
Billing Account under Waste Disposal Ordinance	7012338	16 Feb 2011	N/A	Valid
Registration as Chemical Waste Producer	WPN5213-134-G25 33-01	11 Feb 2011	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/11-148	15 Mar 2011	22 Mar 2011 to 21 Sept 2011	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	EP/MD/12-016	22 May 2011	22 May 2011 to 21 June 2011	Expired

**Table 3.11 Summary of submission status under EP-356/2009 and FEP-05/356/2009 Condition**

EP Condition	Submission	Date of Submission
Condition 2.7	Works Schedule and Location Plans	11 March 2011
Condition 2.8	Silt Curtain Deployment Plan	11 April 2011
Condition 2.9	Silt Screen Deployment Plan	11 April 2011
Condition 2.23	Noise Management Plan	11 March 2011

#### 4. Monitoring Requirements

##### 4.1 Noise Monitoring

###### NOISE MONITORING STATIONS

- 4.1.1. The noise monitoring stations for the Project are listed and shown in **Table 4.1** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

**Table 4.1 Noise Monitoring Station**

Station	Description
M1a	Harbour Road Sports Centre
M2b	Noon Gun Area
M3a	Tung Lo Wan Fire Station
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

###### REAL-TIME NOISE MONITORING STATIONS

- 4.1.2. The real-time noise monitoring stations for the Project are listed and shown in **Table 4.2** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

**Table 4.2 Real Time Noise Monitoring Station**

District	Station	Description
Tin Hau	RTN1	FEHD Hong Kong Transport Section Whitefield Depot
North Point	RTN2	Oil Street Community Liaison Centre

###### NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

- 4.1.3. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).  $L_{eq(30\text{ minutes})}$  shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods,  $L_{eq(5\text{ minutes})}$  shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as L10 and L90 shall also be obtained for reference.
- 4.1.4. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
- one set of measurements between 0700 and 1900 hours on normal weekdays.
- 4.1.5. If construction works are extended to include works during the hours of 1900 – 0700 as well as public holidays and Sundays, additional weekly impact monitoring shall be carried out during

respective restricted hours periods. Applicable permits under NCO shall be obtained by the Contractor.

**MONITORING EQUIPMENT**

- 4.1.6. As referred to in the Technical Memorandum <sup>TM</sup> issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.
- 4.1.7. Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

**4.2 Air Monitoring**

**AIR QUALITY MONITORING STATIONS**

- 4.2.1. The air monitoring stations for the Project are listed and shown in **Table 4.3** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

**Table 4.3 Air Monitoring Station**

Station ID	Monitoring Location	Description
CMA1b	Oil Street Community Liaison Centre	North Point
CMA2a	Causeway Bay Community Centre	Causeway Bay
CMA3a	CWB PRE Site Office *	Causeway Bay
CMA4a	Society for the Prevention of Cruelty to Animals	Wan Chai
CMA5a	Children Playgrounds opposite to Pedestrian Plaza	Wan Chai
CMA6a	WDII PRE Site Office *	Wan Chai

\* Remarks: As per the ENPC meeting in January 2011, the monitoring stations CMA3a - Future CWB site office at Wanchai Waterfront Promenade and CMA6a - Future AECOM site office at Work Area were renamed as remark.

**AIR MONITORING PARAMETERS, FREQUENCY AND DURATION**

- 4.2.2. One-hour and 24-hour TSP levels should be measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.
- 4.2.3. All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper, and



any other local atmospheric factors affecting or affected by site conditions, etc., shall be recorded down in detail.

- 4.2.4. For regular impact monitoring, the sampling frequency of at least once in every six-days, shall be strictly observed at all the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs.

#### SAMPLING PROCEDURE AND MONITORING EQUIPMENT

- 4.2.5. High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:

- 0.6 - 1.7 m<sup>3</sup> per minute adjustable flow range;
- equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
- installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
- capable of providing a minimum exposed area of 406 cm<sup>2</sup>;
- flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
- equipped with a shelter to protect the filter and sampler;
- incorporated with an electronic mass flow rate controller or other equivalent devices;
- equipped with a flow recorder for continuous monitoring;
- provided with a peaked roof inlet;
- incorporated with a manometer;
- able to hold and seal the filter paper to the sampler housing at horizontal position;
- easily changeable filter; and
- capable of operating continuously for a 24-hour period.

- 4.2.6. Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually. The concern parties such as IEC shall properly document the calibration data for future reference. All the data should be converted into standard temperature and pressure condition.

#### LABORATORY MEASUREMENT / ANALYSIS

- 4.2.7. A clean laboratory with constant temperature and humidity control, and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory should be HOKLAS accredited.

- 4.2.8. An alternative non-HOKLAS accredited laboratory was set-up for carrying out the laboratory analysis, the laboratory equipment was approved by the ER on 8 February 2011 and the measurement procedures were witnessed by the IEC. Any measurement performed by the laboratory was demonstrated to the satisfaction of the ER and IEC. IEC shall regularly audit to the measurement performed by the laboratory to ensure the accuracy of measurement results.

- 4.2.9. Filter paper of size 8" x 10" shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24-hours and be pre-weighed before use for the sampling.
- 4.2.10. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.
- 4.2.11. All the collected samples shall be kept in a good condition for 6 months before disposal.

### 4.3 Water Quality Monitoring

- 4.3.1. The EIA Report has identified that the key water quality impact would be associated with the dredging works during the construction phase. Marine water quality monitoring for dissolved oxygen (DO), suspended solid (SS) and turbidity is therefore recommended to be carried out at selected WSD flushing water intakes. The impact monitoring should be carried out during the proposed dredging works to ensure the compliance with the water quality standards.
- 4.3.2. The updated EM&A Manual for EP-356/2009 (Version in March 2011) is approval by EPD on 29 April 2011. As such, the Action Level and Limit Level for the wet season (April – October) will be effected and applied to the water quality monitoring data from 30 April 2011.

#### Water Quality Monitoring Stations

- 4.3.3. It is proposed to monitor the water quality at 9 WSD salt water intakes and 12 cooling water intakes along the seafront of the Victoria Harbour. The proposed water quality monitoring stations of the Project are shown in **Table 4.4** and **Figure 4.1**. **Appendix 4.1** shows the established Action/Limit Levels for the monitoring works.

**Table 4.4 Marine Water Quality Stations for Water Quality Monitoring**

Station Ref.	Location	Easting	Northing
<b>WSD Salt Water Intake</b>			
WSD7	Kowloon South	834150.0	818300.3
WSD9	Tai Wan	837921.0	818330.0
WSD10	Cha Kwo Ling	841900.9	817700.1
WSD15	Sai Wan Ho	841110.4	816450.1
WSD17	Quarry Bay	839790.3	817032.2
WSD19	Sheung Wan	833415.0	816771.0
WSD20	Kennedy Town	830750.6	816030.3
WSD21	Wan Chai	836220.8	815940.1
RW21	Wan Chai (Reprovision)	836188.8	815911.1
<b>Cooling Water Intake</b>			
C1	HKCEC Extension	835885.6	816223.0
C2	Telecom House	835647.9	815864.4

Station Ref.	Location	Easting	Northing
C3	HKCEC Phase I	835836.2	815910.0
C4e	Wan Chai Tower and Great Eagle Centre (Eastern)	835932.8	815888.2
C4w	Wan Chai Tower and Great Eagle Centre (Western)	835629.8	815889.2
C5e	Sun Hung Kai Centre (Eastern)	836250.1	815932.2
C5w	Sun Hung Kai Centre (Western)	836248.1	815933.2
C6	Excelsior Hotel	837009.6	815999.3
C7	Windsor House	837193.7	816150.0
C8	City Garden	837970.6	816957.3
C9	Provident Garden	838355.0	817116.6
RC1	Proposed HKAPA Extension	835487.7	815987.7
RC5	Sun Hung Kai Centre (Reprovision)	836291.4	816029.7
RC7	Windsor House (Temporary Dilution)	837245.2	816156.6

WATER QUALITY PARAMETERS

- 4.3.4. Monitoring of dissolved oxygen (DO), turbidity and suspended solids (SS) shall be carried out at WSD flushing water intakes and cooling water intakes. DO and Turbidity are measured in-situ while SS is determined in laboratory.
- 4.3.5. In association with the water quality parameters, other relevant data shall also be measured, such as monitoring location/position, time, sampling depth, water temperature, pH, salinity, dissolved oxygen (DO) saturation, weather conditions, sea conditions, tidal stage, and any special phenomena and work underway at the construction site etc.

SAMPLING PROCEDURES AND MONITORING EQUIPMENT

- 4.3.6. The interval between two sets of monitoring should not be less than 36 hours except where there are exceedances of Action and/or Limit Levels, in which case the monitoring frequency will be increased. **Table 4.5** shows the proposed monitoring frequency and water quality parameters. Duplicate in-situ measurements and water sampling should be carried out in each sampling event. For selection of tides for in-situ measurement and water sampling, tidal range of individual flood and ebb tides should be not less than 0.5m.

**Table 4.5 Marine Water Quality Monitoring Frequency and Parameters**

Activities	Monitoring Frequency <sup>1</sup>	Parameters <sup>2</sup>
During the 4-week baseline monitoring period	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity
During marine construction works	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity
After completion of marine construction works	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity

Notes:

1. For selection of tides for in-situ measurement and water sampling, tidal range of individual flood and ebb tides should be not less than 0.5m.
2. Turbidity should be measured in situ whereas SS should be determined by laboratory.

#### DISSOLVED OXYGEN AND TEMPERATURE MEASURING EQUIPMENT

4.3.7. The instrument should be a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and use a DC power source. It should be capable of measuring:

- a dissolved oxygen level in the range of 0-20 mg/l and 0-200% saturation
- a temperature of 0-45 degree Celsius

4.3.8. It should have a membrane electrode with automatic temperature compensation complete with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary. (e.g. YSI model 59 meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).

4.3.9. Should salinity compensation not be build-in in the DO equipment, in-situ salinity shall be measured to calibrate the DO equipment prior to each DO measurement.

#### TURBIDITY MEASUREMENT INSTRUMENT

4.3.10. The instrument should be a portable, weatherproof turbidity-measuring instrument complete with comprehensive operation manual. The equipment should use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0-1000 NTU and be complete with a cable (e.g. Hach model 2100P or an approved similar instrument).

#### SAMPLER

4.3.11. A water sampler comprises a transparent PVC cylinder, with a capacity of not less than 2 litres, and can be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth (e.g. Kahlsico Water Sampler or an approved similar instrument).

#### SAMPLE CONTAINER AND STORAGE

4.3.12. Water samples for suspended solids measurement should be collected in high-density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. as soon as possible after collection for analysis.

#### WATER DEPTH DETECTOR

4.3.13. A portable, battery-operated echo sounder shall be used for the determination of water depth at each designated monitoring station. This unit can either be handheld or affixed to the bottom of the workboat, if the same vessel is to be used throughout the monitoring programme.

#### SALINITY

4.3.14. A portable salinometer capable of measuring salinity in the range of 0-40 ppt shall be provided for measuring salinity of the water at each of monitoring location.

#### MONITORING POSITION EQUIPMENT

4.3.15. A hand-held or boat-fixed type digital Global Positioning System (GPS) with waypoint bearing indication or other equivalent instrument of similar accuracy shall be provided and used during monitoring to ensure the monitoring vessel is at the correct location before taking measurements.

CALIBRATION OF IN-SITU INSTRUMENTS

4.3.16. All in-situ monitoring instrument shall be checked, calibrated and certified by a laboratory accredited under HOKLAS or equivalent before use, and subsequently re-calibrated at 3 monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement at each monitoring location.

4.3.17. For the on site calibration of field equipment by the ET, the BS 127:1993, "Guide to Field and on-site test methods for the analysis of waters" should be observed.

4.3.18. Sufficient stocks of spare parts should be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterrupted even when some equipment is under maintenance, calibration, etc.

4.3.19. Current calibration certificates of equipments are presented in **Appendix 4.2**.

LABORATORY MEASUREMENT / ANALYSIS

4.3.20. Analysis of suspended solids has been carried out in a HOKLAS accredited laboratory, ALS Technichem (HK) Pty Ltd. Water samples of about 1L shall be collected at the monitoring stations for carrying out the laboratory SS determination. The SS determination work shall start within 24 hours after collection of the water samples. The SS determination shall follow APHA 19ed or equivalent methods subject to the approval of IEC and EPD.

ENHANCED WATER QUALITY MONITORING IN THE EX-WAN CHAI PUBLIC CARGO WORKING AREA AND THE CAUSEWAY BAY TYPHOON SHELTER

4.3.21. The enhanced water quality monitoring and audit programme is to avoid aggravation of odour nuisance from seawater arising from temporary reclamation in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter.

4.3.22. Dissolved oxygen monitoring at the intakes C6 and C7 in Causeway Bay Typhoon Shelter when there is temporary reclamation in Causeway Bay Typhoon Shelter and at the south-western and south-eastern corners of the ex-Wan Chai Public Cargo Working Area. The proposed water quality monitoring stations of the Project are shown in **Table 4.6** and **Figure 4.1**.

**Table 4.6 Marine Water Quality Stations for Enhanced Water Quality Monitoring**

Station	Location
C6	Excelsior Hotel
C7	Windsor House
Ex-WPCWA-SW	South-western of the ex-Wan Chai Public Cargo Working Area
Ex-WPCWA-SE	South-eastern of the ex-Wan Chai Public Cargo Working Area

- 4.3.23. The monitoring of dissolved oxygen are to be carried out 3 days per week, at mid-flood and mid-ebb tides for 3 water depths (1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth may be omitted. If the water depth be equal to or less than 3m, only the mid-depth will be monitored).

DAILY SS MONITORING AND 24 HOURS TURBIDITY MONITORING SYSTEM

- 4.3.24. During dredging of the sediment at the south-western corner of the Causeway Bay Typhoon Shelter, daily monitoring of suspended solids and 24 hour monitoring of turbidity at the cooling water intakes (C6 and C7) shall be conducted.
- 4.3.25. The 24 hours monitoring of turbidity at the cooling water intakes (C6 and C7) shall be established by setting up a continuous water quality monitoring station in front of the intakes during the dredging activities. The monitoring system include the turbidity sensor and data logger which is capable of data capturing at every 5 minutes. The data shall be downloaded daily and compared with the Action and Limit level determined during the baseline water quality monitoring at the cooling water intake locations.

## 5. Monitoring Results

5.0.1. The environmental monitoring will be implemented based on the division of works areas of each designed project managed under different contracts with separate FEP applied by individual contractors. Overall layout showing work areas of various contracts, latest status of work commencement and monitoring stations is shown in **Figure 2.1** and **Figure 4.1**. The monitoring results are presented in according to the Individual Contract(s).

5.0.2. In the reporting month, the concurrent contracts are as follows:

- Contract no. HY/2009/11 Central - Wan Chai Bypass - North Point Reclamation;
- Contract no. HK/2009/01 – Wan Chai Development Phase II – Central-Wan Chai Bypass at Hong Kong Convention and Exhibition Centre; and
- Contract no. HK/2009/02 Wan Chai Development Phase II – Central-Wan Chai Bypass at Wan Chai East
- Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)
- Contract no. HK/2010/06 Wan Chai Development Phase II – Central-Wan Chai Bypass over MTR Tsuen Wan Line

5.0.3. The environment monitoring schedules for reporting month and coming month are presented in **Appendix 5.1**.

### 5.1 Noise Monitoring Results

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

5.1.1. The proposed division of noise monitoring stations for Contract no. HY/2009/11 are summarized in **Table 5.1** below:

**Table 5.1 Noise Monitoring Stations for Contract no. HY/2009/11**

Station	Description
M4b	Victoria Centre
M5b	City Garden

5.1.2. Day time and evening period noise monitoring was conducted at the City Garden and Victoria Centre in the reporting month.

5.1.3. Noise monitoring results measured in this reporting period are reviewed and summarized. No exceedance was recorded in the reporting month. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC, Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East and Contract no. HK/2010/06 Wan Chai Development Phase II – Central-Wan Chai Bypass over MTR Tsuen Wan Line

5.1.4. The proposed division of noise monitoring stations are summarized in **Table 5.2** below.

**Table 5.2 Noise Monitoring Station for Contract nos. HK/2009/01, HK/2009/02 and HK/2010/06**

Station	Description
M1a	Harbour Road Sports Centre

5.1.5. Daytime and evening period noise monitoring was conducted at the Harbour Road Sport Centre in the reporting month.

5.1.6. Four limit level exceedances were recorded at M1a - Harbour Road Sports Centre on 2, 8, 14 and 24 June 2011 during restricted hour. Major noise source was contributed from Tonnochy Road and water sport competition at Wan Chai Training Swimming Pool.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

5.1.7. The noise monitoring for HY/2009/15 was commenced on 10 November 2010. The proposed division of noise monitoring stations are summarized in **Table 5.3** below.

**Table 5.3 Noise Monitoring Station for Contract no. HY/2009/15**

Station	Description
M2b	Noon Gun Area
M3a	Tung Lo Wan Fire Station

5.1.8. Noise monitoring results measured in the period of daytime and restricted hour are reviewed and summarized. No exceedance was recorded in reporting month. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

## 5.2 Real-time Noise Monitoring

5.2.1. No construction activity with valid Construction Noise Permit was conducted during night time period (2300 to 0700) in this reporting month.

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

5.2.2. The proposed division of real-time noise monitoring stations are summarized in **Table 5.4** below. Real time noise monitoring for the filling works under contract no. HY/2009/11 was commenced on 5 October 2010.

**Table 5.4 Real Time Noise Monitoring Station for Contract no. HY/2009/11**

District	Station	Description
Tin Hau	RTN1	FEHD Hong Kong Transport Section Whitefield Depot
North Point	RTN2	Oil Street Community Liaison Centre

\* Real time noise monitoring results and graphical presentation during night time period are for information only.



5.2.3. Real time noise monitoring results were reviewed and no project-related Action and Limit level exceedance were recorded in the reporting period. Details of real time noise monitoring results and graphical presentation can be referred to **Appendix 5.5**.

**5.3 Air Monitoring Results**

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

5.3.1. The major construction activity of Contract no. HY/2009/11 was filling works in the reporting month. Air monitoring had been commenced on 11 August 2010. The proposed division of air monitoring stations are summarized in **Table 5.5** below.

**Table 5.5 Air Monitoring Stations for Contract no. HY/2009/11**

Station	Description
CMA1b	Oil Street Community Liaison Centre
CMA2a	Causeway Bay Community Centre

5.3.2. No exceedance was recorded in the reporting month. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

5.3.3. Air monitoring was commenced on 1 April 2011 in response to the commencement of the land-filling work for Contract no. HK/2009/01. The proposed division of air monitoring stations are summarized in **Table 5.6** below. No exceedance was recorded in the reporting month.

**Table 5.6 Air Monitoring Stations for Contract no. HK/2009/01**

Station	Description
CMA5a	Children Playgrounds opposite to Pedestrian Plaza
CMA6a	WDII PRE Site Office

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

5.3.4. Air monitoring was commenced in mid-January 2011 for the land-filling work for Contract no. HK/2009/02. The proposed division of air monitoring stations are summarized in **Table 5.7** below. No exceedance was recorded in the reporting month.

**Table 5.7 Air Monitoring Station for Contract no. HK/2009/02**

Station	Description
CMA4a	Society for the Prevention of Cruelty to Animals

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- 5.3.5. Air monitoring was commenced on 15 March 2011 for the land filling work for Contract no. HY/2009/15. The proposed division of air monitoring stations are summarized in **Table 5.8** below. No exceedance was recorded in the reporting month.

**Table 5.8 Air Monitoring Station for Contract no. HY/2009/15**

Station	Description
CMA3a	CWB PRE Site Office

#### 5.4 Water Monitoring Results

- 5.4.1. Due to the enforcement of amber rainstorm warning on 11 June 2011 at ebb tide, water quality was considered substantially affected by urban runoff, which cannot represent the normal impact condition of water quality and safety concerns on working under adverse weather. Thus, the impact water monitoring on 11 June 2011 at ebb tide was cancelled.

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

- 5.4.2. The proposed division of water monitoring stations for Contract no. HY/2009/11 are summarized in **Table 5.9** below:

**Table 5.9 Water Monitoring Stations for Contract no. HY/2009/11**

Station Ref.	Location	Easting	Northing
<b>WSD Salt Water Intake</b>			
WSD9	Tai Wan	837921.0	818330.0
WSD10	Cha Kwo Ling	841900.9	817700.1
WSD15	Sai Wan Ho	841110.4	816450.1
WSD17	Quarry Bay	839790.3	817032.2
<b>Cooling Water Intake</b>			
C8	City Garden	837970.6	816957.3
C9	Provident Garden	838355.0	817116.6

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

- 5.4.3. Water monitoring for Contract no. HK/2009/01 was commenced on 23 July 2010. The proposed division of water monitoring stations are summarized in **Table 5.10** below.

**Table 5.10 Water Monitoring Stations for Contract no. HK/2009/01**

Station Ref.	Location	Easting	Northing
<b>WSD Salt Water Intake</b>			
WSD7	Kowloon South	834150.0	818300.3
WSD19	Sheung Wan	833415.0	816771.0
WSD20	Kennedy Town	830750.6	816030.3
<b>Cooling Water Intake</b>			

Station Ref.	Location	Easting	Northing
C1	HKCEC Extension	835885.6	816223.0
C2	Telecom House	835647.9	815864.4
C3	HKCEC Phase I	835836.2	815910.0
C4e	Wan Chai Tower and Great Eagle Centre (Eastern)	835932.8	815888.2
C4w	Wan Chai Tower and Great Eagle Centre (Western)	835629.8	815889.2

Remarks:

The water monitoring stations for the dredging works under Contract No. HK/2009/01 should also include WSD9, WSD17, WSD 21 and C5 if water quality monitoring at these locations have not been carried out by others. Similarly, the water monitoring stations for the dredging works under Contract No. HK/2009/02 should also include WSD7, WSD9, WSD17, WSD 19, C1, C2, C3 and C4 if water quality monitoring at these locations have not been carried out by others.

Contract no. HK/2009/02 - Wan Chai Development Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

- 5.4.4. Water monitoring for Contract no. HK/2009/02 was commenced on 8 July 2010. The proposed division of water monitoring stations are summarized in **Table 5.11** below.

**Table 5.11 Water Monitoring Stations for Contract no. HK/2009/02**

Station Ref.	Location	Easting	Northing
<b>WSD Salt Water Intake</b>			
WSD21	Wan Chai	836220.8	815940.1
<b>Cooling Water Intake</b>			
C5e	Sun Hung Kai Centre (Eastern)	836250.1	815932.2
C5w	Sun Hung Kai Centre (Western)	836248.1	815933.2

Remarks:

The water monitoring stations for the dredging works under Contract No. HK/2009/01 should also include WSD9, WSD17, WSD 21 and C5 if water quality monitoring at these locations have not been carried out by others. Similarly, the water monitoring stations for the dredging works under Contract No. HK/2009/02 should also include WSD7, WSD9, WSD17, WSD 19, C1, C2, C3 and C4 if water quality monitoring at these locations has not been carried out by others.

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central –Wanchai Bypass over MTR Tsuen Wan Line

- 5.4.5. Water monitoring for Contract no. HK/2010/06 was commenced on 8 March 2011. The proposed division of water monitoring stations are summarized in **Table 5.12** below.

**Table 5.12 Water Monitoring Stations for Contract no. HK/2009/02**

Station Ref.	Location	Easting	Northing
<b>Cooling Water Intake</b>			
C2	Telecom House	835647.9	815864.4

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

5.4.6. Due to the commencement of the maintenance dredging on 10 November 2010, water quality monitoring for Contract no. HY/2009/15 was commenced on 9 November 2010. The proposed division of water monitoring stations are summarized in **Table 5.13** below.

**Table 5.13 Water Monitoring Stations for Contract no. HY/2009/15**

Station Ref.	Location	Easting	Northing
<b>Cooling Water Intake</b>			
C6	Excelsior Hotel	837009.6	815999.3
C7	Windsor House	837193.7	816150.0

Remarks: - The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

5.4.7. The enhanced water quality monitoring at C6, C7, Ex-WPCWA-SW and Ex-WPCWA-SE was commenced on 13 January 2011. One dissolved oxygen level at Ex-WPCWA-SE on 28 May 2011 during mid-ebb was exceeded.

5.4.8. During dredging of the sediment at the south-western corner of the Causeway Bay Typhoon Shelter between 7 and 28 June 2011, daily monitoring of suspended solids and 24 hours monitoring of turbidity at the cooling water intakes at C7 was be conducted. Due to no power supply from the Windsor House pumping House, there was no monitoring data in a short period on 7, 12, 13, 14, 15 and 25 June 2011. No project-related exceedance was recorded in the daily SS monitoring and 24 hours turbidity monitoring.

5.4.9. As per the meeting with the representative of Excelsior Hotel and World Trade Centre on 17 May 2011, they confirmed that the seawater intake for The Excelsior was no longer in use and replaced by the connected permanent water supply from WSD pipelines since 11 January 2011. Thus, the impact water quality monitoring for the cooling intake - C6 was terminated effective from 26 May 2011 and no compliance checking for intake water monitoring at C6 was undertaken in this reporting month.

5.4.10. Water monitoring results measured in this reporting period are reviewed and summarized. Details of water quality monitoring results and graphical presentation can be referred in **Appendix 5.4**.

**Table 5.14 Summary of Water Quality Monitoring Exceedances in Reporting Month**

Contract no.	Water Monitoring Station	Mid-flood						Mid-ebb						
		DO		Turbidity		SS		DO		Turbidity		SS		
		AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	
HY/2009/11	WSD9	0	0	0	0	0	0	0	0	0	0	0	0	0
	WSD10	0	0	0	0	0	0	0	0	0	0	0	0	0
	WSD15	0	0	0	0	0	0	0	0	0	0	0	0	0
	WSD17	0	0	0	0	0	0	0	0	0	0	0	0	0
	C8	0	0	0	0	0	0	0	0	0	0	0	1	0

Contract no.	Water Monitoring Station	Mid-flood						Mid-ebb					
		DO		Turbidity		SS		DO		Turbidity		SS	
		AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
	C9	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/01	WSD19	0	0	0	0	0	0	0	0	0	0	0	0
	WSD20	0	0	0	1	1	1	0	0	0	0	0	0
	WSD7	0	0	0	0	0	0	0	0	0	0	0	0
	C1	0	0	0	0	0	0	0	0	0	0	0	0
	C3	0	0	0	1	1	1	0	0	0	3	1	1
	C4e	0	0	0	0	0	0	0	0	0	0	1	0
	C4w	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/01 & HK/2010/06	C2	0	0	0	1	1	0	0	0	0	0	0	0
HK/2009/02	C5e	0	0	0	0	0	0	0	0	0	0	0	0
	C5w	0	0	0	0	0	0	0	0	0	0	0	0
	WSD21	0	0	0	0	0	0	0	0	0	0	0	0
HY/2009/15	C7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>

Remarks: - The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

5.4.11. Investigations were found that the exceedances are not related to the Project works. The details of the recorded exceedances can be referred to the Section 6.3.

## 5.5 Waste Monitoring Results

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

5.5.1. Non-inert C&D waste was disposed of in the reporting month. The non-inert C&D material is reported the unit in m<sup>3</sup> in this reporting month. The non-inert C&D material disposed in last reporting month was 4.875m<sup>3</sup>. Details of the waste flow table are summarized in **Table 5.15**.

**Table 5.15 Details of Waste Disposal for Contract no. HY/2009/11**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	NIL	N/A
Inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	146.25	151.125	SENT Landfill
Non-inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Chemical waste disposed, kg	N/A	N/A	N/A
Marine Sediment (Type 1 – Open Sea)	0 (Bulk Volume)	89,500 (Bulk Volume)	South of Cheung Chau

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Disposal), m <sup>3</sup>			
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m <sup>3</sup>	0 (Bulk Volume)	129,200 (Bulk Volume)	East of Sha Chau

5.5.2. There was no marine sediment disposed and no dredging work undertaken in the reporting month.

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

5.5.3. Inert and non- inert C&D waste were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.16**.

**Table 5.16 Details of Waste Disposal for Contract no. HK/2009/01**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	88.37	6,610.6	TKO137
Inert C&D materials recycled, m <sup>3</sup>	0	0	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	37.38	335.96	SENT Landfill
Non-inert C&D materials recycled, kg	0	78,088	N/A
Chemical waste disposed, kg	1,200	3,730	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	6,659 (Bulk Volume)	76,123.2 (Bulk Volume)	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m <sup>3</sup>	0 (Bulk Volume)	12,599 (Bulk Volume)	East of Cha Chau

5.5.4. There were marine sediments Type 1 – Open Sea Disposal disposed in the reporting month. The maximum dredging rate in Cross Harbour Water Main was 486m<sup>3</sup> per day which was complied with the recommended maximum dredging rate, 1500m<sup>3</sup> per day listed in Table 2 of FEP-02/356/2009.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

5.5.5. Inert and non- inert C&D waste were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.17**.

**Table 5.17 Details of Waste Disposal for Contract no. HK/2009/02**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	11,535	23,058	TKO137
Inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	24	128	SENT Landfill
Non-inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Chemical waste disposed, kg	1,104	2,115	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	4,004 (Bulk Volume)	99,948 (Bulk Volume)	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m <sup>3</sup>	8,440 (Bulk Volume)	90,994 (Bulk Volume)	East of Sha Chau

5.5.6. There were marine sediments Type 1 – Open Sea Disposal disposed in the reporting month. The maximum dredging rate in submarine sewage pipelines are 1,022m<sup>3</sup> per day respectively, which is complied with the recommended maximum dredging rate, 1500m<sup>3</sup> per day listed in Table 2 of FEP-03/356/2009.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

5.5.7. Non- inert C&D waste was disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.18**.

**Table 5.18 Details of Waste Disposal for Contract no. HY/2009/15**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	3.5	Tuen Mun Area 38
	58.7	58.7	TKO137 FB
Inert C&D materials recycled, m <sup>3</sup>	NIL	184.0	To Contract HY/2009/11
Non-inert C&D materials disposed, m <sup>3</sup>	27	66.4	SENT Landfill
Non-inert C&D materials recycled, kg	NIL	13,625	N/A
Chemical waste disposed, kg	NIL	NIL	N/A

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	2,010	16,518	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m <sup>3</sup>	7,780 (Bulk Volume)	139,582 (Bulk Volume)	East of Sha Chau
Marine Sediment (Type 3 – Special Treatment / Disposal contained in Geosynthetic Containers)	0 (Bulk Volume)	2,750 (Bulk Volume)	East of Sha Chau

5.5.8. Due to the late notification of the Contractor on the quantities of disposed Type I sediment, quantities from February 2011 to this reporting month could only be included in this report. Details of the quantities of disposed Type I sediment in Contract no. HY/2009/15 are summarized in the **Table 5.19**. These quantities of disposed sediment have been checked and verified by RSS for CWB. Contractor was reminded to observe the dumping reporting time properly.

**Table 5.19 Details of Type I Marine Sediment Disposal for Contract no. HY/2009/15**

Waste Type	Month	Quantity this month, (Bulk Volume)	Disposal / Dumping Grounds
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	Feb 2011	6,070	South of Cheung Chau
	Mar 2011	7,465	South of Cheung Chau
	Apr 2011	973	South of Cheung Chau
	May 2011	0	South of Cheung Chau
	Jun 2011	2,010	South of Cheung Chau

5.5.9. In the reporting month, there were marine sediment Type 1 – Open Sea Disposal and Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal marine sediment disposed from the dredging works at TCBR. The maximum dredging rate, 1,025m<sup>3</sup> per day in the reporting month is complied with the recommended maximum dredging rate as stipulated in FEP-04/356/2009 within the marine zones at TCBR.

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central – Wan Chai Bypass over MTR Tsuen Wan Line

5.5.10. No inert and Non- inert C&D waste were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.20**.

**Table 5.20 Details of Waste Disposal for Contract no. HK/2010/06**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	NIL	N/A
Inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A



Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials recycled, kg	NIL	NIL	N/A
Chemical waste disposed, kg	NIL	NIL	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	0	2,338 (Bulk Volume)	South Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m <sup>3</sup>	0 (Bulk Volume)	11,165 (Bulk Volume)	East Sha Chau

- 5.5.11. Contractor clarified that there was 4,674m<sup>3</sup> Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined marine sediment disposed in May 2011. Thus, the cumulative disposed Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined marine sediment was 11,165m<sup>3</sup>.
- 5.5.12. In the reporting month, there was no dredging works at MTR tunnel crossing and no marine sediment disposed.

## 6. Compliance Audit

- 6.0.1. The Event Action Plan for construction noise, air quality and water quality are presented in Appendix 6.1.

### 6.1 Noise Monitoring

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

- 6.1.1. No exceedance was recorded in the reporting month.

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

- 6.1.2. No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

- 6.1.3. Four limit level exceedances were recorded at M1a - Harbour Road Sports Centre on 2, 8, 14 and 24 June 2011 during restricted hour. Major noise source was contributed from Tonnochy Road and water sport competition at Wan Chai Training Swimming Pool. The construction works were complied with the conditions under valid Construction Noise Permits during the measurement.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- 6.1.4. No exceedance was recorded in the reporting month.

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central –Wanchai Bypass over MTR Tsuen Wan Line

- 6.1.5. No exceedance was recorded in the reporting month.

### 6.2 Real-time noise Monitoring

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

- 6.2.1. No project-related exceedance was recorded in the reporting month.

### 6.3 Air Monitoring

- 6.3.1. No exceedance was recorded in the reporting month.

### 6.4 Water Quality Monitoring

Contract no. HY/2009/11 – Central – Wanchai Bypass, North Point Reclamation

6.4.1. Referring to the exceedances shown in **Table 5.9**, one SS level was exceeded the Action Level at Stations C8. Since there were numerous unknown outfalls from the nearby coastal area closed to the cooling intakes C8, it causes the potential for accumulation of pollutants near the intakes and may lead to potential water quality deterioration at the seawater intake points. Besides, muddy discharge from the outfalls near Oil Street was recorded in reporting month.

6.4.2. Major marine works were installations of caisson seawall at NPR2E and reclamation work at NPR1 and NPR2W in this reporting month. Proper condition of silt curtain was provided between the barge and the seawall during the filling material transportation. The recorded SS exceedance was considered as not project-related.

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

6.4.3. Referring to exceedances recorded at WSD20 on 30 May and 1 June 2011 during mid-flood, no exceedance was recorded in all stations in the vicinity of the filling works at HKCEC1 and marine works for the Cross Harbour Water Mains. It concluded that the exceedances were not related to Project works.

6.4.4. For the exceedances recorded at C2 on 15 June 2011, the daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. The maintenance works of the silt curtain at West Bridge of HKCEC water channel was conducted on that day morning. Additional sinkers were installed to enhance the silt curtain effectiveness. According to the observation during the monitoring, the deployed silt curtains along HKCEC water channel were in proper condition and no muddy water dispersion was observed. Thus, it was considered not project-related exceedances.

6.4.5. An Action Level SS exceedance was recorded at C4e on 30 May 2011. According to the observation and recorded photos, the deployed silt curtains in HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Besides, geotextiles were in good condition during their inspection. Thus, it was considered not project-related exceedances.

6.4.6. Exceedances of turbidity and/or SS level at C3 were recorded on 28 and 30 May, 1, 7 and 13 June 2011. Investigation found that the turbidity levels outside the silt screen on 28 May, 1, 7 and 13 June 2011 were well below the Action Level while turbidity exceedances were recorded inside the silt screen. According to the observation during the monitoring and daily inspection report, the deployed silt screen and silt curtains along HKCEC water channel were in proper condition. Recorded exceedances on these days might be caused by trapping of unknown debris inside the silt screen.

6.4.7. The turbidity exceedance was recorded on 30 May 2011 while the turbidity level outside the silt screen was slightly higher than the Action Level. Fine particles were observed inside the silt screen during water quality monitoring. According to the observation and recorded photos, the deployed silt curtains at HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. The exceedances were considered in related to accumulation of wastewater and debris from the discharge pipe inside the silt screen and not project related exceedances.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

- 6.4.8. No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- 6.4.9. There was one DO level at ex- WPCWA SE exceeded the Action Level on 28 May 2011 in the Enhanced DO monitoring. In view that no marine activities were undertaken and no odour nuisance was noted during monitoring, the DO exceedance was considered not related to the Project.

Contract no. HK/2010/06 - Wan Chai Development Phase II – Central –Wanchai Bypass over MTR Tsuen Wan Line

- 6.4.10. No exceedance was recorded in the reporting month.
- 6.4.11. Summary for notification of exceedances can be referred to **Appendix 6.2**.

**6.5 Review of the Reasons for and the Implications of Non-compliance**

- 6.5.1. There was no non-compliance from the site audits in the reporting period. The observations and recommendations made in each individual site audit session were presented in Section 8.

**6.6 Summary of action taken in the event of and follow-up on non-compliance**

- 6.6.1. To follow-up on the exceedances at C3 in the last reporting month, a discharge pipe for HKCEC located in between the C3 intake inlets and inside the silt screen was diverted out of the silt screen and completed on 5 June 2011. Besides, a bund between the eastern and western of the HKCEC water channel was formatted on 2 June 2011 as an enhance mitigation measure to minimize the potential water quality impact from the tidal effect.
- 6.6.2. The implementation of the recommended mitigation measures would be continuously followed-up and reported in the next reporting period.

## **7. Cumulative Construction Impact due to the Concurrent Projects**

7.0.1. According to Condition 3.4 of the EP-356/2009, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III, Central-Wanchai Bypass and Island Eastern Corridor Link projects.

7.0.2. From the Monthly EM&A report (May 2011) of Central Reclamation Phase III (CRIII) the key works in June 2011 are as follows:

- Type A filling in FRAW and FRAE above +2.5mPD;
- General filling works above +2.5mPD in IRAE;
- Surcharging in FRAW and FRAE;
- Construction of cantilever slab at caisson;
- Construction of storm and foul drainage and gullies in hinterlands for Road P2 and Road D9;
- Construction of GPO boundary wall;
- Construction of PLA boundary wall and entrance;
- Construction of Promenade enhancement works;
- Construction of buildings at PLA berth;
- Road P2 Underpass ramp structures;
- Precasting for retaining wall (offsite);
- Installation of cooling mains discharge pipes in FRAE and FRAW;
- Construction of CWB structure;
- Backfilling of CWB structure;
- Importation of fill material; and
- Strengthening of Man Yiu Street Footbridge

7.0.3. According to the construction programme of Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects, the major construction activities at Reclamation Shoreline Sub-zones under Wan Chai Development Phase II were the filling works at NPR1, NPR2E, NPR2W, WCR1, HKCEC1, TPCWAE and TCBR1E, dredging at TCBR1W, Submarine sewage pipeline and Cross Harbour Water Mains, and marine works at MTR Tunnel Crossing in the reporting month. The major environmental impact was water quality impact at North Point, Causeway Bay and Wan Chai.

7.0.4. The major environmental impacts generated from the filling work at Central Reclamation Phase III were only located along the coastline of Central and Admiralty. As no project related exceedance was recorded in the Project, it was considered no adverse environmental impact caused by the Project works. Thus, it is evaluated the cumulative construction impact from the concurrent projects including Wan Chai Development Phase II and Central Reclamation Phase III was insignificant.

**8. Environmental Site Audit**

8.0.1. During this reporting month, weekly environmental site audits were conducted for Contracts no. HY/2009/11, HK/2009/01, HK/2009/02, HY/2009/15 and HK/2010/06. No non-conformance was identified during the site audits.

8.0.2. Four site inspections for Contract no. HY/2009/11 were carried out on 30 May, 7, 17, and 21 June 2011. The results of these inspections and outcomes are summarized in **Table 8.1**.

**Table 8.1 Summary of Environmental Inspections for Contract no. HY/2009/11**

Item	Date	Observations	Action taken by Contractor	Outcome
110530_02	30-May-11	Idle stockpile should be covered well.	Providing the tarpaulin to cover the idling stockpile	Completion as observed on 7-Jun-11
110607_01	7-Jun-11	Oil stain was found near the oil drum. Contractor was reminded to clear it and provide the drip tray for the chemical container.	Providing the drip tray underneath the chemical container	Completion as observed on 17-Jun-11
110607_02	7-Jun-11	Worn tarpaulin for slope protection was found at NPR1. It should be replaced for well protection.	Replacement of a new tarpaulin on the stockpile for the dust suppression	Completion as observed on 17-Jun-11
110617_01	17-Jun-11	Unknown silty water washed out from the open channel at reclamation area. Contractor was reminded to check and ensure surface runoff and wastewater from the site shall be treated before discharge.	Deployment of silt curtain at the open channel to suppress the silty water washing out during the rainy weather.	Completion as observed on 21-Jun-11
110617_02	17-Jun-11	Stockpile at reclamation near the waterfront shall be covered by tarpaulin in order to prevent washing away during wet season	Providing the tarpaulin on the stockpile	Completion as observed on 21-Jun-11
110621_01	21-Jun-11	Exposed slope at NPR2 shall be covered by tarpaulin to prevent washing away during rainy day.	Providing the tarpaulin on the stockpile	Completion as observed on 28-Jun-11
110621_02	21-Jun-11	Silt curtain at channel T shall be mounted tightly	Mounting the silt curtain tightly	Completion as observed on 28-Jun-11
110621_03	21-Jun-11	Floating refuse near oil street site office area shall be removed	Removal of the floating refuse	Completion as observed on 28-Jun-11

8.0.3. Four site inspections for Contract no. HK/2009/01 were carried out on 1, 8, 16 and 22 June 2011. The results of these inspections and outcomes are summarized in Table 8.2.

**Table 8.2 Summary of Environmental Inspections for Contract no. HK/2009/01**

Item	Date	Observations	Action taken by Contractor	Outcome
110601_01	1-Jun-11	Two derrick barges along the west bridge were observed with dark smoke emission. Continuous checking and regular maintenance need to be implemented.	Contractor provided the checking and maintenance works to the derrick barges.	Completion as observed on 8-Jun-11.
110601_02	1-Jun-11	Silt curtain at HKCEC shall be closed properly after access.	Properly closed the silt curtain at HKCEC	Completion as observed on 8-Jun-11.
110608_01	8-Jun-11	Silt curtain at western bridge shall be enhanced so as to avoid gap	Maintenance work on the silt curtain	Completion as observed on

Item	Date	Observations	Action taken by Contractor	Outcome
		between the geotextile. Increasing frequency of checking silt curtain is recommended.	and daily inspection on the silt curtains were provided.	16-Jun-11.
110608_02	8-Jun-11	Chemical waste storage cabinet shall be provided at the barge.	Providing the chemical waste storage cabinet at barge	Completion as observed on 16-Jun-11.
110608_03	8-Jun-11	The top cover for the conveyor belt shall be enhanced.	Enhanced the top cover of conveyor belt	Completion as observed on 16-Jun-11.
110616_01	16-Jun-11	Floating refuse near water monitoring stations C2 and C3 shall be removed.	Keeping to removal of floating refuse	Completion as observed on 22-Jun-11.
110616_02	16-Jun-11	Silt curtain for the leveling works at Cross Harbour Water Main shall be weight down.	Repaired and weighted-down the silt curtain	Completion as observed on 22-Jun-11.
110616_03	16-Jun-11	Dark smoke emission was observed from air compressor at north-bound of HKCEC water channel. Maintenance work shall be provided to avoid dark smoke emission.	Removed the air compressor offsite for the maintenance works	Completion as observed on 22-Jun-11.
110616_04	16-Jun-11	It was reminded to clear the filling material on the walkway of the derrick barge after daily works.	Removal of the filling material at the walkway of the barge	Completion as observed on 22-Jun-11.
110622_01	22-Jun-11	Part of silt curtain was sunk below the sea level. Proper maintenance shall be provided after adverse weather.	Maintenance the silt curtain in proper condition	Completion as observed on 29-Jun-11.

8.0.4. Four site inspections for Contract no. HK/2009/02 were carried out on 2, 9, 16 and 23 June 2011 during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.3**.

**Table 8.3 Summary of Environmental Inspections for Contract no. HK/2009/02**

Item	Date	Observations	Action taken by Contractor	Outcome
110602_01	2-Jun-11	Water should be sprayed more frequently on the access road for dust control.	Frequently spray water on the dry access and haul road	Completion as observed on 09-Jun-11
110609_01	9-Jun-11	Uncovered waste oil container without drip tray was located next to chemical waste storage cabinet. Contractor shall place it properly and dispose it regularly by register collector.	Storage of the chemical in the cabinet and disposal the chemical waste by register collector	Completion as observed on 16-Jun-11
110616_01	16-Jun-11	Drip tray shall be provided to the oil container near the site entrance.	Placed all oil container on drip tray	Completion as observed on 23-Jun-11
110623_01	23-Jun-11	Contractor shall check and ensure that the wastewater at WSD pumping station shall be treated before discharge.	Contractor checked and confirmed wastewater was treated by the sedimentation tank before discharge.	Completion as observed on 30-Jun-11
110623_02	23-Jun-11	Drip tray shall be provided underneath the air compressor at	Providing the drip tray underneath the	Completion as observed on 30-

Item	Date	Observations	Action taken by Contractor	Outcome
		ex-Pet Garden.	air compressor	Jun-11
110623_03	23-Jun-11	Stockpile of C&D material shall be covered after daily work.	Leveling down the idling C&D material after daily works	Completion as observed on 30-Jun-11

8.0.5. Four site inspections for Contract no. HY/2009/15 were carried out on 31 May, 7, 14 and 21 June in reporting month. The results of these inspections and outcomes are summarized in **Table 8.4**.

**Table 8.4 Summary of Environmental Inspections for Contract no. HY/2009/15**

Item	Date	Observations	Action taken by Contractor	Outcome
110531_01	31-May-11	Drip tray shall be provided for chemical (Automatic transmission fluid) at TS1	Providing the drip tray underneath the chemical	Completion as observed on 7-Jun-11
110531_02	31-May-11	Accumulation of the stagnant water was found at the drip tray. Contractor was reminded to clear it with proper procedure to avoid land contamination.	Removal of the stagnant water on the drip tray	Completion as observed on 7-Jun-11
110531_03	31-May-11	A gap was found at the northern seawall block at TS1. Proper measure shall be provided to avoid silty water washing away during wet season.	Gap filler was provided to minimize the gap at the seawall block.	Completion as observed on 7-Jun-11
110531_04	31-May-11	Silty water was found near the southern side of sea wall block, which might be caused by the runoff from the wheel washing at resting area (proton7).	Sand bags were provided to avoid water run-off to the sea	Completion as observed on 7-Jun-11
110607_01	7-Jun-11	Mud was found along Hing Fat Rd. The contractor was reminded to remove the mud and review the effectiveness of the vehicle wheel washing system.	The mud was removed. Contractor washed the vehicle wheel clearly before leaving the site.	Completion as observed on 14-Jun-11
110607_02	7-Jun-11	Impermeable barrier shall be provided and fully deployed in case of any odour sediment dredging at south-west corner of CWBTS.	Impermeable barrier will be provided if any odour sediment is dredged and disposed.	Completion as observed on 14-Jun-11
110607_03	7-Jun-11	Silt curtain at the Ex-PCWA shall be inspected and maintained.	Keeping maintenance of the silt curtain at ex-PCWA	Completion as observed on 14-Jun-11
110614_01	14-Jun-11	The contractor was reminded to improve the wheel washing system at site entrance. Also, worn sandbags shall be replaced for gully protection. Moreover, Improvement work shall be considered to avoid surface runoff flowing outside the site.	Providing the sand bags for the gullies.	Completion as observed on 21-Jun-11
110614_02	14-Jun-11	The plant shall be repaired to avoid dark smoke emission	Providing maintenance works on the plant	Completion as observed on 21-Jun-11
110614_03	14-Jun-11	Oil spillage was observed at Ex-PCWA reclamation area. The contaminated soil on the bare ground shall be disposed as	Removal the contaminated soil as chemical waste	Completion as observed on 21-Jun-11



Item	Date	Observations	Action taken by Contractor	Outcome
		chemical waste.		
110614_04	14-Jun-11	Silt curtain at the entrance of Ex-PCWA shall be maintained.	Maintaining the silt curtain at the entrance of ex-PCWA.	Completion as observed on 28-Jun-11
110621_01	21-Jun-11	The deployed silt curtain at North-east of Ex-TPCWA was found damage. The contractor was reminded that silt curtain at North-east of Ex-TPCWA should be maintained in a good condition prior to conduct any filling work at ex-TPCWA.	Keeping maintenance of the silt curtain at Northeast exit of Ex-TPCWA	Completion as observed on 28-Jun-11
110621_02	21-Jun-11	The trees at yacht club shall be avoided any damage during excavation work at Ex-TPCWA.	The tree was avoided any damage during excavation works	Completion as observed on 28-Jun-11

- 8.0.6. Five site inspections for Contract no. HK/2010/06 were carried out on 30 May, 7, 17, 20 and 27 June in reporting month. The results of these inspections and outcomes are summarized in **Table 8.5**.

**Table 8.5 Summary of Environmental Inspections for Contract no. HK/2010/06**

Item	Date	Observations	Action taken by Contractor	Outcome
110530_01	30-May-11	A chemical waste storage cabinet shall be placed at site.	Chemical waste storage cabinet was provided at the flat-top barge.	Completion as observed on 7-June-11
110617_01	17-Jun-11	It was advised that additional measure shall be provided to avoid oil leakage during the refilling fuel to the generator	A trip will be provided when the refilling fuel to generator	Completion as observed on 20-June-11
110627_01	27-Jun-11	Defect was found on the drip tray. Contractor shall repair it to avoid oil spillage.	Repairing of the drip tray was provided	Completion as observed on 27-June-11

**9. Complaints, Notification of Summons and Prosecution**

- 9.0.1. There was one environmental complaint received on 9 June 2011 regarding an odour nuisance suspected generating from the discharge point – Channel T at Watson Road in part of the site area was related to CWB under Contract no. HY/2009/11.
- 9.0.2. During the weekly site inspection on 7 and 17 June 2011, there was no any odour impact detected in the site area. According to the site record, there was muddy water discharged from the unknown source at upstream of Channel T during heavy rainstorm. No any site surface runoff to the Channel T and out of site boundary was observed in the inspection. In order to prevent muddy water washing out to the water body under heavy rainstorm, a silt curtain was installed at the outfall of the channel by Contractor. Besides, regular removal of refuse in the channel has been conducted by Contractor. A further site investigation on 28 June 2011 revealed that no odour nuisance was detected at the upstream of the Channel T and no source of odour nuisance was identified at site. As such, it was concluded that the source of odour nuisance was not related to the Project works.
- 9.0.3. Although no source of odour nuisance was identified at site, the muddy water and dirt from the unknown source at upstream of Channel T may cause a potential smell during low tide and low water flow. Contractor was reminded to remove the silt curtain at the channel on non-rainy day so as to avoid the accumulation of the sediment and dirt in the water channel.
- 9.0.4. The details of cumulative complaint log and updated summary of complaints are presented in **Appendix 9.1**.
- 9.0.5. Cumulative statistic on complaints and successful prosecutions are summarized in **Table 9.1** and **Table 9.2** respectively.

**Table 9.1 Cumulative Statistics on Complaints**

Reporting Period	No. of Complaints
Commencement works (Mar 2010) to last reporting month	11
June 2011	1
<b>Project-to-Date</b>	<b>12</b>

**Table 9.2 Cumulative Statistics on Successful Prosecutions**

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
<b>Total</b>	<b>-</b>	<b>0</b>	<b>0</b>

**10. Conclusion**

10.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.

10.0.2. The scheduled construction activities and the recommended mitigation measures for the coming month are listed in **Table 10.1**.

**Table 10.1 Construction Activities and Recommended Mitigation Measures in Coming Reporting Month**

Contract No.	Key Construction Works	Recommended Mitigation Measures
HY/2009/11	<ul style="list-style-type: none"> <li>• Reclamation works;</li> <li>• Concreting;</li> <li>• Slotted panel fixing;</li> <li>• Drainage Construction works;</li> <li>• Outfall construction works;</li> <li>• Sheet Piling; and</li> <li>• Construction &amp; installation of Seawall Block</li> </ul>	<ul style="list-style-type: none"> <li>• To avoid concurrent noisy operation</li> <li>• To locate the plant and equipments far away to the noise sensitive receivers</li> <li>• Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> <li>• Daily clearance of floating debris behind the silt screen</li> </ul>
HK/2009/01	<ul style="list-style-type: none"> <li>• Sheet pile installation for a temporary water channel covering the existing cooling water intake at Dome Promenade would be completed.</li> <li>• Removal of rock armours within the HKCEC Water Channel would be continued.</li> <li>• Installation of both silt screen type 1 &amp; 3 at Tsim Sha Tsui would be completed. Subsequently, installation of sheet piles near the proposed silt screen type 3 at Tsim Sha Tsui would be commenced.</li> <li>• Installation of cross-harbour watermains nos. A3 &amp; B3 and A4 &amp; B4 would be completed.</li> <li>• Platform erection for crawler crane mobilization near the existing seawall at Salisbury Garden would be continued and anticipated to be completed.</li> <li>• Works would be continued at Convention Avenue, VIP Drop-off Area would be continued.</li> <li>• Excavation of trial pit at Zone B5-1 and Zone b5-3 would be continued in order to determine the suitable alignments for laying the proposed G1 ducts to and from the existing HKCEC Phase 2 LV Switch room.</li> </ul>	<ul style="list-style-type: none"> <li>• To conform the installation and setting as in the silt screen deployment plan</li> <li>• Frequency spray water on the dry dusty road and on the surface of concrete breaking</li> <li>• To cover the dusty material or stockpile by impervious sheet</li> <li>• To space out noisy equipment and position as far as possible from sensitive receiver.</li> <li>• To well maintain the mechanical equipments / machineries to avoid abnormal noise nuisance.</li> <li>• Machines and plant that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum</li> <li>• Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> </ul>
HK/2009/02	<ul style="list-style-type: none"> <li>• Operating Tseung Kwan O Public Fill Sorting Facility;</li> <li>• Modification works for disable toilet;</li> </ul>	<ul style="list-style-type: none"> <li>• To cover the dusty material or stockpile by impervious sheet;</li> <li>• Frequency spray water on the dry dusty road and on the surface of</li> </ul>

	<ul style="list-style-type: none"> <li>• Construction of passenger terminal;</li> <li>• Demolition of remaining ferry pier;</li> <li>• Casting seawall coping for Expo Drive East seawall modification;</li> <li>• Modification of hoarding at Expo Drive East for public toilet opening.</li> <li>• Trench excavation and pipe laying works for cooling mains;</li> <li>• Trench excavation and deck over at Tonnochy Road;</li> <li>• Lean concrete at P7, P8 and P9 pump stations;</li> <li>• Hacking H-pile head and cast the base slab at -5mPD for WSD Salt Water Pumping Station at Wan Shing Street;</li> <li>• Excavation and lateral support at Wan Shing Street for WSD Salt Water Intake;</li> <li>• Pre-bored H-pile at for WSD Salt Water Intake and Box Culvert N1 at WCR1 Area;</li> <li>• Dredging for submarine outfall pipe; and</li> <li>• Connection chamber at DSD Screening Plant</li> </ul>	<p>concrete breaking</p> <ul style="list-style-type: none"> <li>• To well maintain the mechanical equipments / machineries to avoid abnormal noise nuisance and dark smoke emission</li> <li>• To conform the installation and setting as in the silt screen and silt curtain deployment plan</li> <li>• Movable noise barrier shall be deployed for demolition works</li> <li>• Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> </ul>
HY/2009/15	<ul style="list-style-type: none"> <li>• Seawall block construction at TS4;</li> <li>• Filling at TS4;</li> <li>• Maintenance of navigation channel;</li> <li>• Diaphragm wall construction at TS1 and TPCWAE;</li> <li>• Precautionary works at Abutment A; and</li> <li>• Night time protection works at CHT</li> </ul>	<ul style="list-style-type: none"> <li>• To conform the installation and setting as in the silt screen and silt curtain deployment plan</li> <li>• Frequency spray water on the dry dusty road and on the surface of concrete breaking</li> <li>• To cover the dusty material or stockpile by impervious sheet</li> <li>• To space out noisy equipment and position as far as possible from sensitive receiver.</li> <li>• Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> </ul>

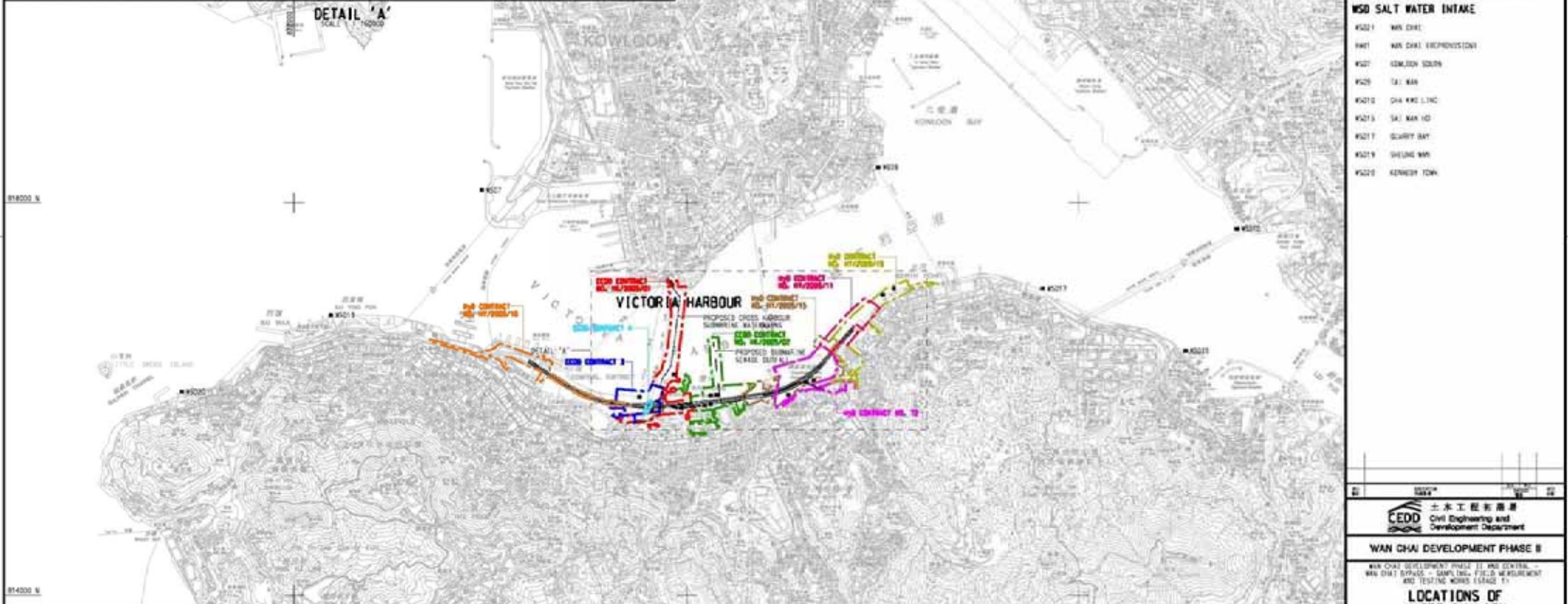
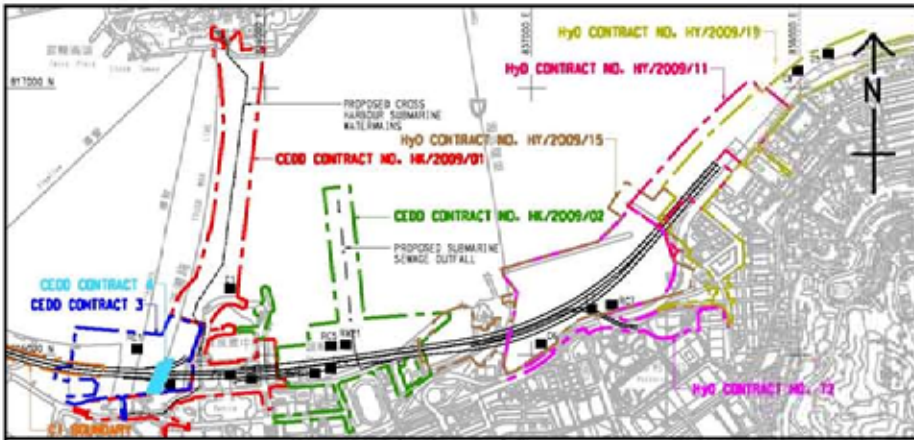


HK/2010/06	<ul style="list-style-type: none"><li>• Marine Bored Piling;</li><li>• Erection of Staging Platform; and</li><li>• Disposal of Type 1 and Type 2 Marine Sediment for Pilling Works</li></ul>	<ul style="list-style-type: none"><li>• To conform the installation and setting as in the silt screen and silt curtain deployment plan</li><li>• To space out noisy equipment and position as far as possible from sensitive receiver.</li><li>• Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li></ul>
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***Figure 2.1***

***Project Layout***



**LEGEND:**

- WATER QUALITY MONITORING STATIONS
- COOLING WATER INTAKES**
- C1 HONG KONG CONVENTION AND EXHIBITION CENTRE EXTENSION
  - C2 TELECOM HONG KONG ACADEMY FOR PERFORMING ARTS / SALT ON CENTRE
  - C3 HONG KONG CONVENTION AND EXHIBITION CENTRE PHASE 1
  - C4 WAN CHAI TOWER AND GREAT EXHIBITION CENTRE
  - C5 SUN HANG KAI CENTRE
  - C6 PROPOSED EXHIBITION STATION / WORLD TRADE CENTRE
  - C7 WINDZER HOUSE
  - C8 CITY GREEN
  - C9 PREVIENT CENTRE
  - C10 PROPOSED HERPA EXTENSION
  - C11 SUN HANG KAI CENTRE (REPROVISION)
  - C12 WINDZER HOUSE (TEMPORARY REPROVISION)

- WSD SALT WATER INTAKE**
- WSD1 WAN CHAI
  - WSD2 WAN CHAI (REPROVISION)
  - WSD3 SEMUSHAN ISLAND
  - WSD4 TAI WAN
  - WSD5 SHAN KANG LUNG
  - WSD6 SAU WAN HO
  - WSD7 SCARRY BAY
  - WSD8 SHEUNG WAN
  - WSD9 KENNEDY TOWN

**DESIGNATED PROJECTS (DP)**

DP1	- CENTRAL WAN CHAI BYPASS (CNB) INCLUDING ITS ROAD TUNNEL AND SLIP ROADS
DP2	- ROAD P2 AND OTHER ROADS (PRIMARY / DISTRICT DISTRIBUTOR ROADS)
DP3	- PERMANENT AND TEMPORARY REDUCATION WORKS INCLUDING ASSOCIATED DREDGING WORKS IN WAN CHAI DEVELOPMENT PHASE 1 (WCH1) AREA
DP4	- TEMPORARY EMERGENCY SHELTER (DP4 NOT TO BE IMPLEMENTED)
DP5	- WAN CHAI EAST SEWAGE OUTFALL
DP6	- DREDGING FOR THE CROSS-HARBOUR WATER MAINS

DP1 IS COVERED BY EP - 314/2008  
 DP2 IS COVERED BY EP - 316/2008  
 DP3, DP5 AND DP6 ARE COVERED BY EP - 356/2005

WORKS CONTRACT	DESIGNATED PROJECT(S) INVOLVED	CONSTRUCTION COMMENCEMENT
CEDD CONTRACT NO. HK/2009/01	DP1, DP3, DP6	APRIL 2010
CEDD CONTRACT NO. HK/2009/02	DP1, DP3, DP6	APRIL 2010
CEDD CONTRACT 3	DP1, DP3	END 2011
CEDD CONTRACT 4	DP1, DP3	END 2012
CEDD CONTRACT 5	DP3	2015
HyO CONTRACT NO. HY/2009/11	DP3	18 MARCH 2010
HyO CONTRACT NO. HY/2009/15	DP1, DP3	SEPTEMBER 2010
HyO CONTRACT NO. HY/2009/16	DP1	OCTOBER 2010
HyO CONTRACT NO. HY/2009/18	DP1	NOVEMBER 2010
HyO CONTRACT 12	DP1, DP3	MID 2013

**土木工程師事務所**  
**CEDD**  
 Civil Engineering and Development Department

**WAN CHAI DEVELOPMENT PHASE II**

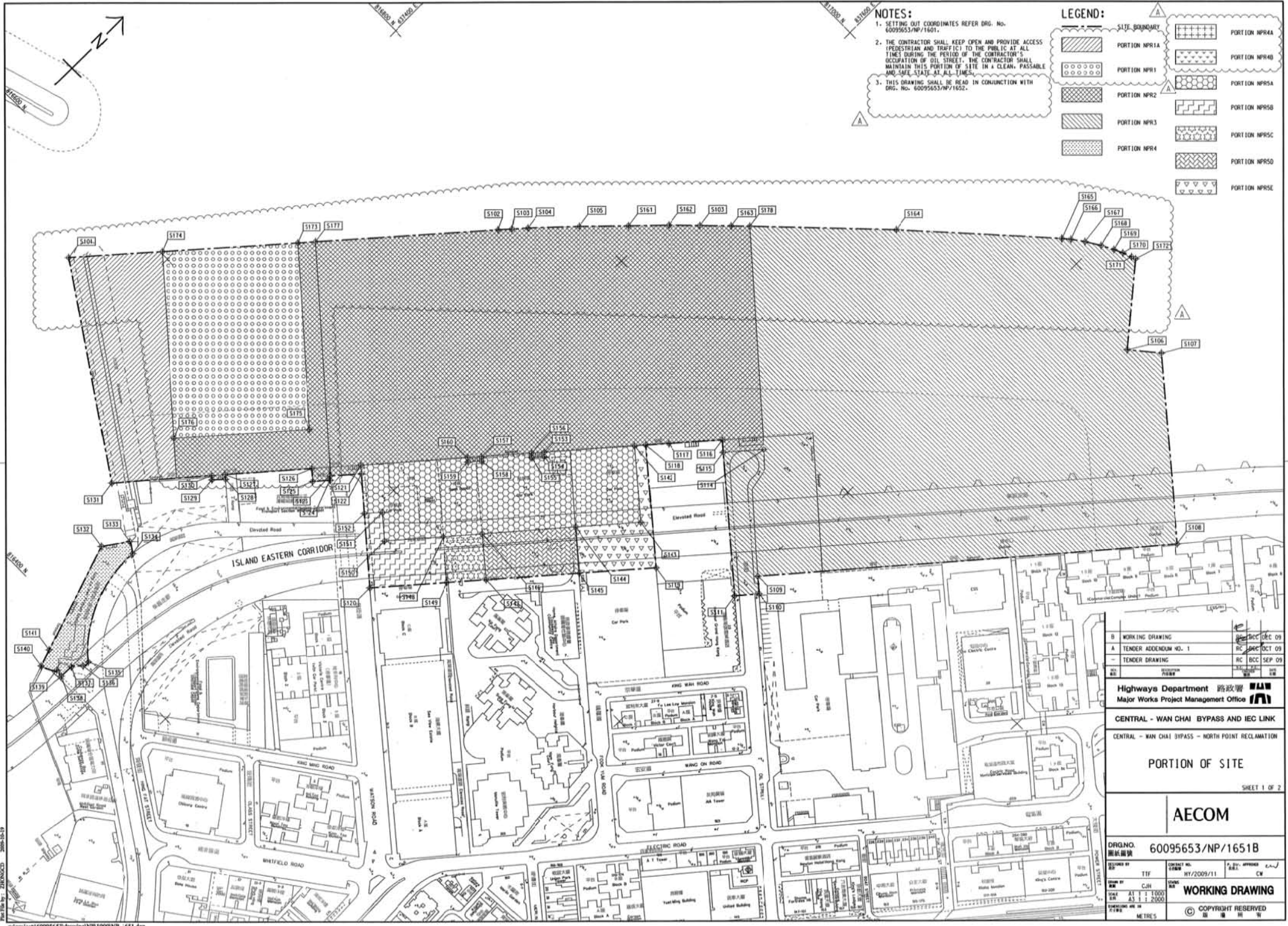
WAN CHAI DEVELOPMENT PHASE II (WCD) CENTRAL - WAN CHAI BYPASS - CANAL, TUNNEL, PIPES, MEASUREMENT AND TESTING WORKS (STAGE 1)

**LOCATIONS OF WATER QUALITY MONITORING STATIONS**

**AECOM**

PROJECT NO: **60041297/C5/SK001**

DESIGNED BY: AECOM	CHECKED BY: AECOM	SCALE: AS SHOWN
DRAWN BY: AECOM	DATE: 11/2010	PROJECT NO: 60041297/C5/SK001
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**NOTES:**

1. SETTING OUT COORDINATES REFER DRG. No. 60095653/NP/1601.
2. THE CONTRACTOR SHALL KEEP OPEN AND PROVIDE ACCESS (PEDESTRIAN AND TRAFFIC) TO THE PUBLIC AT ALL TIMES DURING THE PERIOD OF THE CONTRACTOR'S OCCUPATION OF DIL STREET. THE CONTRACTOR SHALL MAINTAIN THIS PORTION OF SITE IN A CLEAN, PASSABLE AND SAFE STATE AT ALL TIMES.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. No. 60095653/NP/1652.

**LEGEND:**

[Dotted pattern]	PORTION NPR1	[Cross-hatch pattern]	PORTION NPR4
[Diagonal lines /]	PORTION NPR2	[Diagonal lines \]	PORTION NPR5
[Diagonal lines /]	PORTION NPR3	[Stippled pattern]	PORTION NPR6
[Diagonal lines \]	PORTION NPR4	[Horizontal lines]	PORTION NPR7

B	WORKING DRAWING	REV	DEC 09
A	TENDER ADDENDUM NO. 1	RC	OCT 09
-	TENDER DRAWING	RC	SEP 09

Highways Department 路政署  
Major Works Project Management Office

CENTRAL - WAN CHAI BYPASS AND IEC LINK  
CENTRAL - WAN CHAI BYPASS - NORTH POINT RECLAMATION

PORTION OF SITE  
SHEET 1 OF 2

**AECOM**

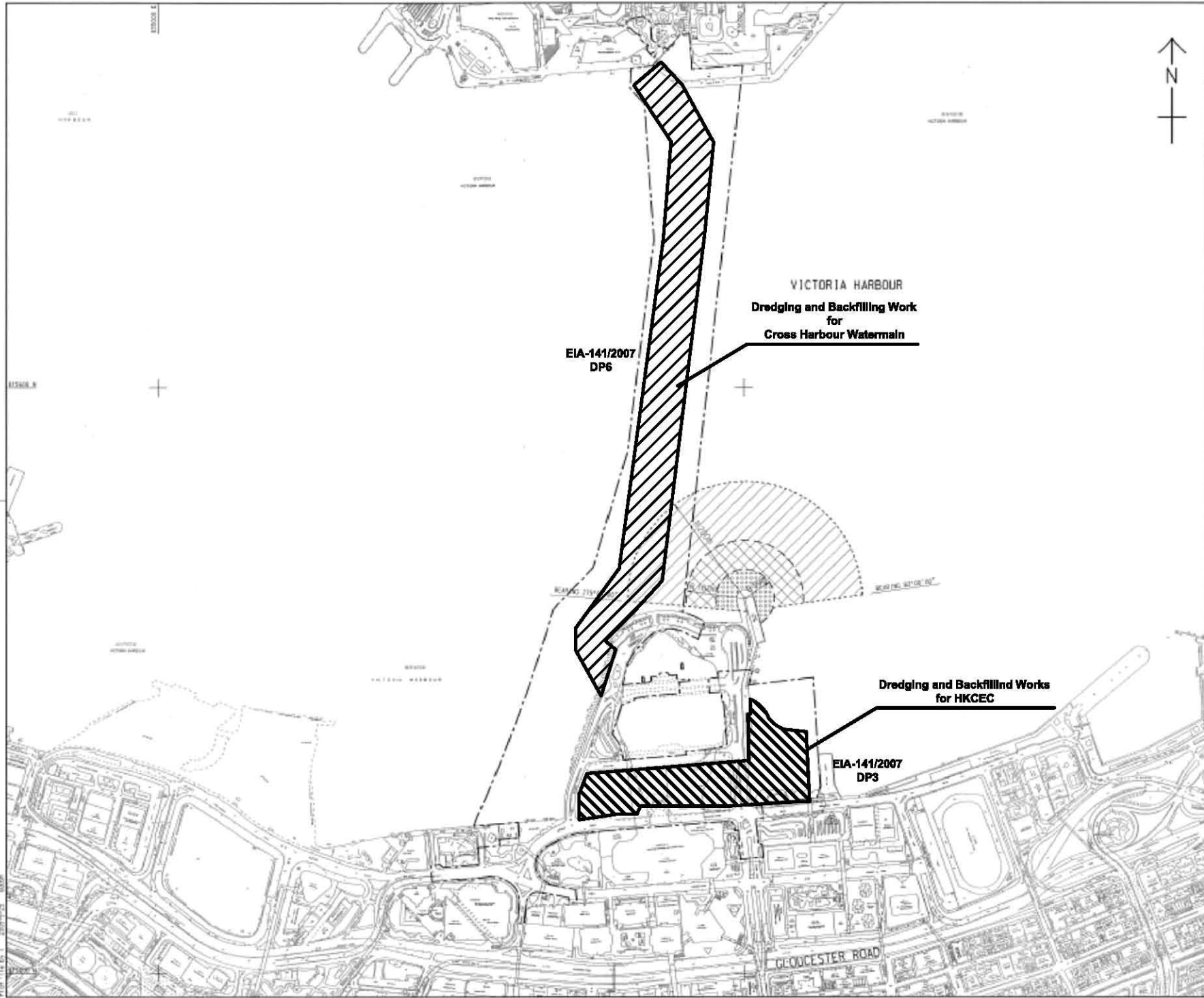
DRGNO. 60095653/NP/1651B  
圖紙編號

DESIGNED BY	TTF	CHECKED BY	H1/2009/11	DATE	11/2009/11
DRAWN BY	CJH	SCALE	AS SHOWN	DATE	11/2009/11

**WORKING DRAWING**

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LOCATION PLAN  
SCALE 1 : 5000

- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
  2. THE RESTRICTION ZONE IS THIS DRAWING WILL COME INTO EFFECT AFTER THE OPERATION OF THE GOVERNMENT HULLING AT EDP/D/D/E LAST.

LEGEND:

- CONTRACT BOUNDARY
- [Hatched Box] WORKING RESTRICTION ZONE
- [Cross-hatched Box] NAVIGATION AND WORKING RESTRICTION ZONE
- [Dotted Box] WORKING BARGE, NAVIGATION AND WORKING RESTRICTION ZONE

TENDER ADDENDUM NO. 4	SEP 25, 2009
TENDER ADDENDUM NO. 1	SEP 25, 2009
TENDER DRAWING	SEP 25, 2009

CEDD 土木工程發展署  
Civil Engineering and Development Department

WAN CHAI DEVELOPMENT PHASE II

WAN CHAI DEVELOPMENT PHASE II -  
KONG KONG CONVENTION AND EXHIBITION CENTRE  
**RESTRICTED ZONE FOR  
CONSTRUCTION VESSELS**  
(Contract no: HK/2009/01)

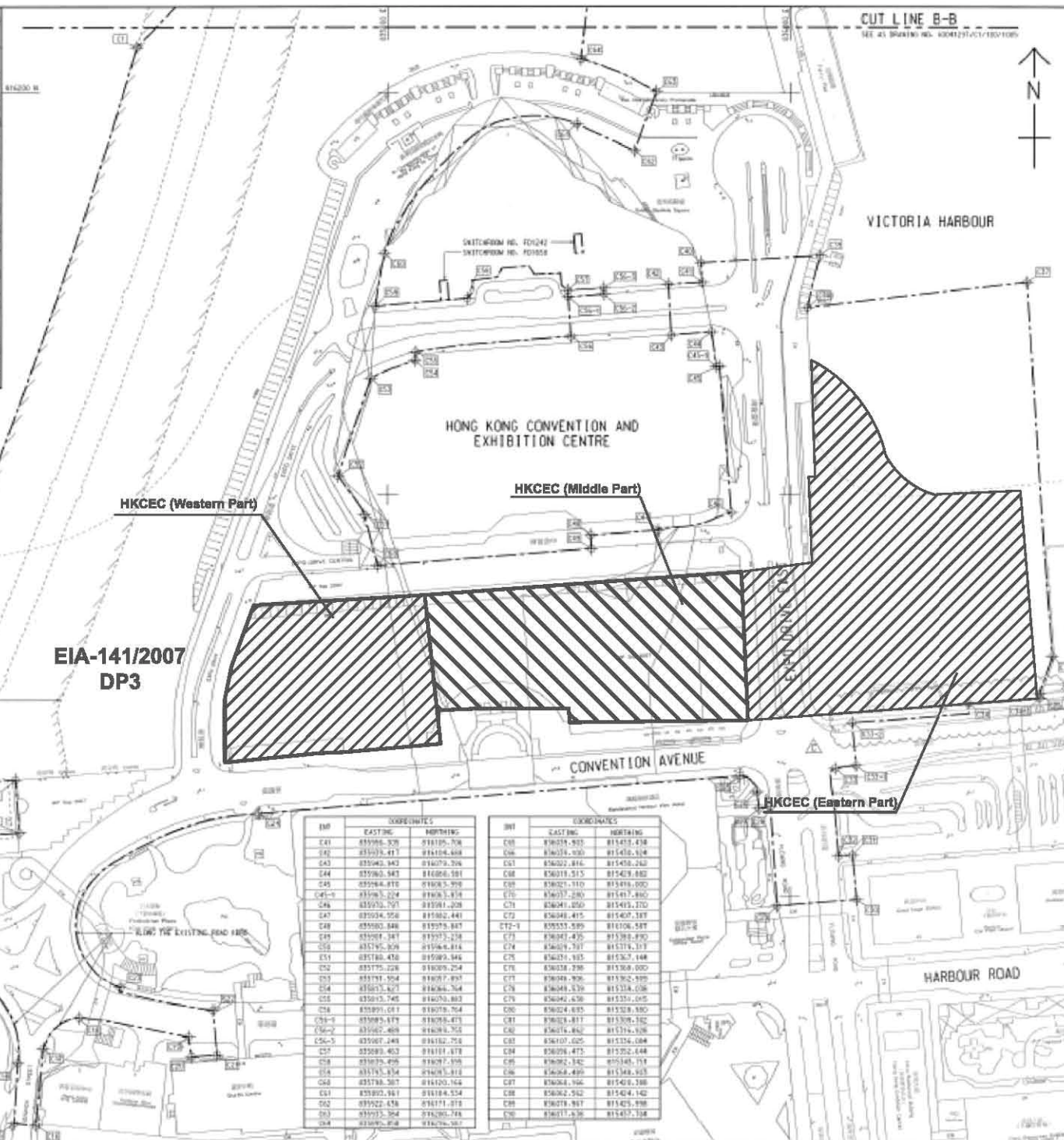
**AECOM**

DRGNO. 圖號	60041297/C1/100/1010B
DATE 日期	16/2009/01
SCALE 比例	AS 1:8000
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INSET 'A'  
SCALE 1:1000

CENTRAL DISTRICT



EIA-141/2007  
DP3

HKCEC (Western Part)

HKCEC (Middle Part)

HKCEC (Eastern Part)

INT	COORDINATES	
	EASTING	NORTHING
C41	835986.526	818105.708
C42	835979.417	818104.468
C43	835963.943	818079.326
C44	835963.543	818086.581
C45	835964.818	818085.528
C46	835963.524	818083.814
C46	835953.757	818081.208
C47	835954.956	818082.441
C48	835960.846	818079.887
C49	835961.347	818077.238
C50	835956.828	818066.814
C51	835948.478	818080.846
C52	835975.226	818089.224
C53	835971.504	818077.897
C54	835973.627	818084.764
C55	835973.745	818079.883
C56	835991.071	818078.764
C56-1	835993.679	818078.873
C56-2	835982.468	818078.765
C56-3	835987.248	818182.758
C57	835983.463	818181.878
C58	835978.496	818077.198
C59	835978.574	818081.818
C60	835978.587	818120.164
C61	835993.881	818184.524
C62	835923.434	818171.812
C63	835923.584	818280.788
C64	835923.818	818276.307

INT	COORDINATES	
	EASTING	NORTHING
C65	836028.933	818413.438
C66	836034.030	818413.614
C67	836022.816	818413.243
C68	836019.515	818413.882
C69	836021.110	818414.000
C70	836027.289	818413.880
C71	836041.050	818413.270
C72	836048.415	818407.187
C72-1	835555.589	818106.587
C73	836047.435	818385.890
C74	836049.797	818374.107
C75	836024.185	818382.148
C76	836038.298	818388.000
C77	836048.906	818382.898
C78	836048.439	818374.038
C79	836042.630	818351.015
C80	836024.635	818328.880
C81	836028.417	818308.182
C82	836024.882	818378.148
C83	836107.025	818326.084
C84	836098.473	818322.444
C85	836082.342	818348.714
C86	836084.499	818348.925
C87	836084.196	818348.388
C88	836082.512	818348.142
C89	836078.987	818345.898
C90	836077.630	818347.198

CUT LINE B-B  
SEE AT DRAWING NO. 60041297/C1/100/1006



KEY PLAN  
SCALE 1:10000

NOTE:  
1. FOR NOTES & LEGEND, REFER TO DRAWING NO. 60041297/C1/100/1006.

INT	COORDINATES	
	EASTING	NORTHING
C1	836879.205	818222.551
C2	836879.207	818222.599
C3	836874.363	818224.825
C4	836871.020	818231.014
C5	836882.492	818229.522
C6	836881.584	818218.612
C7	836886.540	818215.197
C8	836886.191	818217.147
C9	836886.433	818232.241
C10	836891.082	818207.050
C11	836885.389	818208.075
C12	836877.486	818208.107
C13	836923.460	818204.817
C14	836886.433	818217.122
C15	836874.363	818224.800
C16	836874.195	818224.525
C17	836878.138	818204.441
C18	836846.035	818208.816
C19	836871.421	818206.587
C20	836902.537	818220.881
C21	836871.295	818217.484
C22	836871.182	818217.442
C23	836867.086	818209.074
C24	836776.984	818221.670
C25	836871.280	818221.261
C26	836881.647	818212.286
C27	836904.025	818243.836
C28	836906.218	818244.445
C29	836901.523	818236.180
C30	836883.781	818208.487
C31	836831.216	818228.470
C32	836824.142	818225.117
C33	836821.081	818216.482
C34	836826.290	818224.700
C35	836827.428	818224.266
C36	836808.187	818218.280
C37	836824.812	818208.093
C38	836824.747	818208.095
C39	836828.850	818218.134
C40	836818.190	818208.037
C41	836828.810	818207.295
C42	836818.366	818208.080
C43	836825.682	818215.512

C	TENDER ADDENDUM NO.4	SHEN JYL DEP C8
B	TENDER ADDENDUM NO.2	SHEN JYL DEP C8
A	TENDER ADDENDUM NO.1	SHEN JYL DEP C8
-	TENDER DRAWING	SHEN JYL DEP C8
20	REVISION	SHEN JYL DEP C8

土木工程師註冊  
Civil Engineering and  
Development Department

WAN CHAI DEVELOPMENT PHASE II

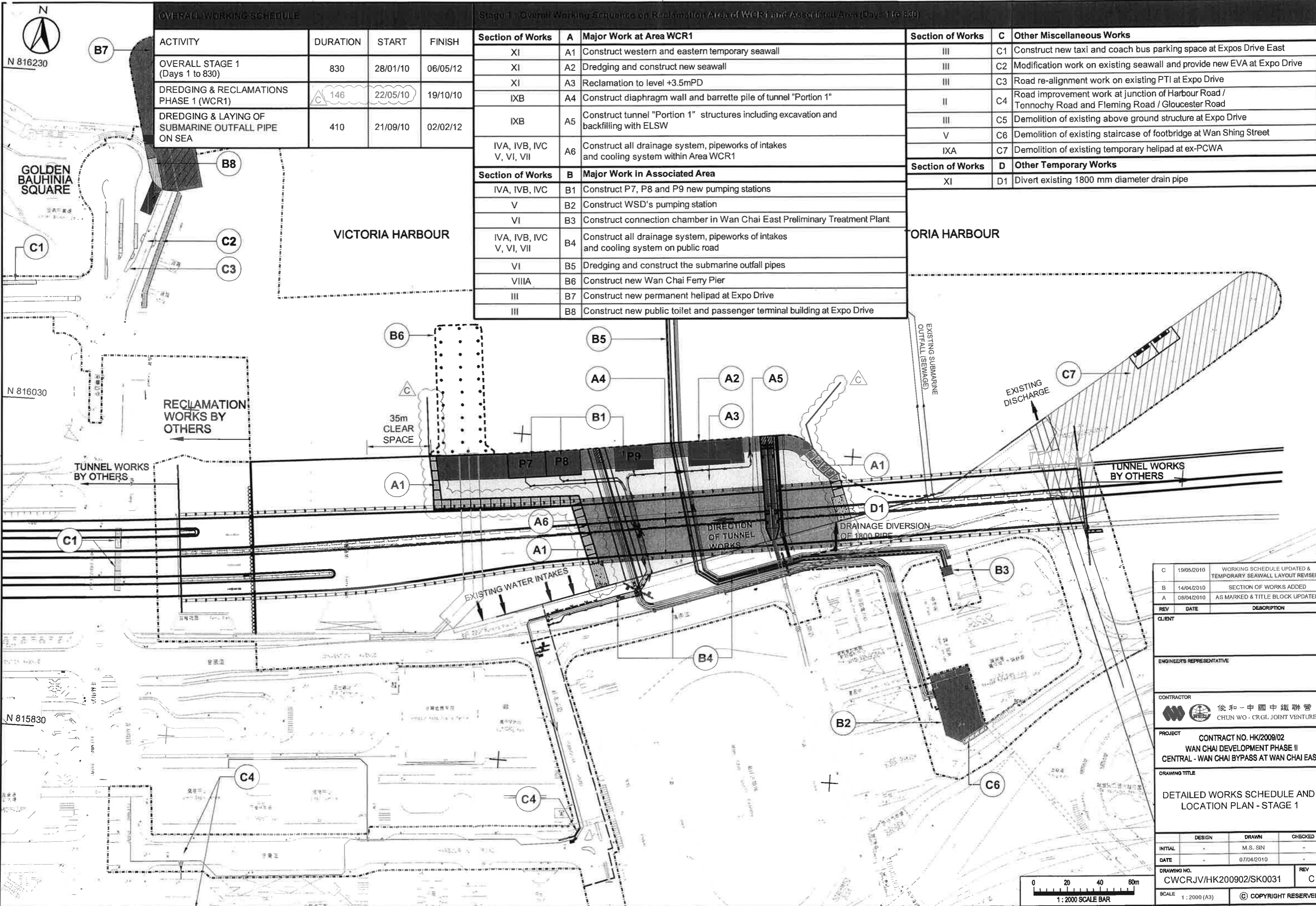
WAN CHAI DEVELOPMENT PHASE II -  
CONTRACT NO. HK/2009/01  
HONG KONG CONVENTION AND EXHIBITION CENTRE

SITE BOUNDARY  
SETTING OUT PLAN  
(Contract no. Hk/2009/01)

**AECOM**

DRGNO.  
圖號  
60041297/C1/100/1006C

SCALE	1:1000	DATE	2009/01	PROJECT	WAN CHAI
DRAWN BY	WJL	CHECKED BY	WJL	DESIGNED BY	WJL
DATE	2009/01	SCALE	1:1000	PROJECT	WAN CHAI



**OVERALL WORKING SCHEDULE**

ACTIVITY	DURATION	START	FINISH
OVERALL STAGE 1 (Days 1 to 830)	830	28/01/10	06/05/12
DREDGING & RECLAMATIONS PHASE 1 (WCR1)	146	22/05/10	19/10/10
DREDGING & LAYING OF SUBMARINE OUTFALL PIPE ON SEA	410	21/09/10	02/02/12

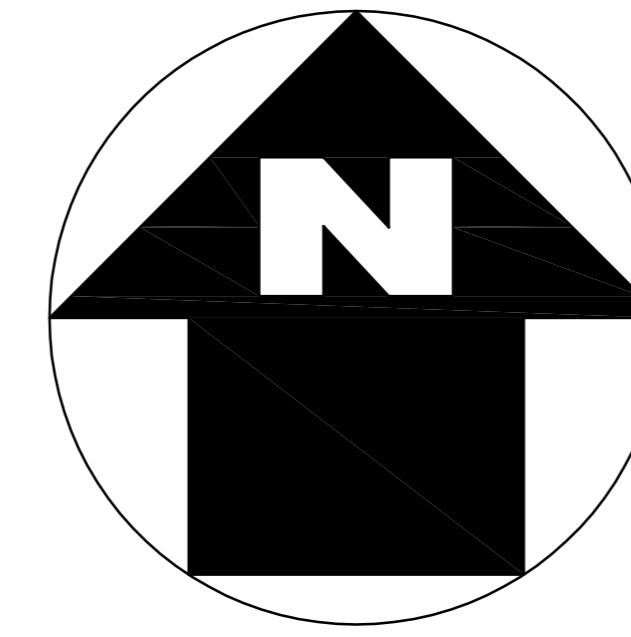
**Stage 1: Overall Working Sequence on Reclamation Area of WCR1 and Associated Area (Days 1 to 830)**

Section of Works	A	Major Work at Area WCR1	Section of Works	C	Other Miscellaneous Works
XI	A1	Construct western and eastern temporary seawall	III	C1	Construct new taxi and coach bus parking space at Expos Drive East
XI	A2	Dredging and construct new seawall	III	C2	Modification work on existing seawall and provide new EVA at Expo Drive
XI	A3	Reclamation to level +3.5mPD	III	C3	Road re-alignment work on existing PTI at Expo Drive
IXB	A4	Construct diaphragm wall and barrette pile of tunnel "Portion 1"	II	C4	Road improvement work at junction of Harbour Road / Tonnochy Road and Fleming Road / Gloucester Road
IXB	A5	Construct tunnel "Portion 1" structures including excavation and backfilling with ELSW	III	C5	Demolition of existing above ground structure at Expo Drive
IVA, IVB, IVC, V, VI, VII	A6	Construct all drainage system, pipeworks of intakes and cooling system within Area WCR1	V	C6	Demolition of existing staircase of footbridge at Wan Shing Street
			IXA	C7	Demolition of existing temporary heliport at ex-PCWA
Section of Works	B	Major Work in Associated Area	Section of Works	D	Other Temporary Works
IVA, IVB, IVC	B1	Construct P7, P8 and P9 new pumping stations	XI	D1	Divert existing 1800 mm diameter drain pipe
V	B2	Construct WSD's pumping station			
VI	B3	Construct connection chamber in Wan Chai East Preliminary Treatment Plant			
IVA, IVB, IVC, V, VI, VII	B4	Construct all drainage system, pipeworks of intakes and cooling system on public road			
VI	B5	Dredging and construct the submarine outfall pipes			
VIIIA	B6	Construct new Wan Chai Ferry Pier			
III	B7	Construct new permanent heliport at Expo Drive			
III	B8	Construct new public toilet and passenger terminal building at Expo Drive			

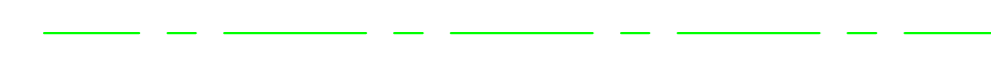
REV	DATE	DESCRIPTION
C	19/05/2010	WORKING SCHEDULE UPDATED & TEMPORARY SEAWALL LAYOUT REVISED
B	14/04/2010	SECTION OF WORKS ADDED
A	08/04/2010	AS MARKED & TITLE BLOCK UPDATED

CLIENT		
ENGINEER'S REPRESENTATIVE		
CONTRACTOR 俊和-中國中鐵聯營 CHUN WO - CRGL JOINT VENTURE		
PROJECT CONTRACT NO. HK/2009/02 WAN CHAI DEVELOPMENT PHASE II CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST		
DRAWING TITLE DETAILED WORKS SCHEDULE AND LOCATION PLAN - STAGE 1		
DESIGN	DRAWN	CHECKED
INITIAL	M.S. SIN	
DATE	07/04/2010	REV
DRAWING NO.	CWCRJV/HK200902/SK0031	REV
SCALE	1:2000 (A3)	C
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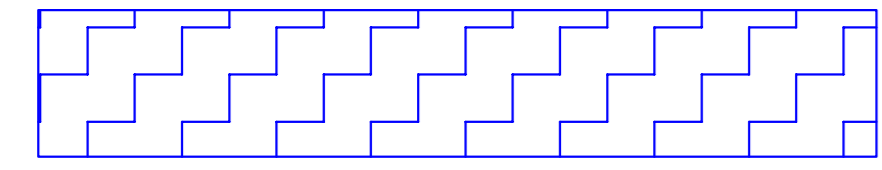
港口  
HARBOUR



LEGEND:



WORKS AREA



DREDGING AREA FOR  
MITIGATION OF ODOUR(DP3)



SITE BOUNDARY

TCBR1E

TCBR2  
AND  
TCBR3

TCBR4

TCBR1W

TPCWAW

TPCWAE

DP3

銅鑼灣避風塘

CAUSEWAY BAY TYPHOON SHELTER

吉列島

KELLETT ISLAND

貨物裝卸灣

Cargo Handling Basin

中國建築工程(香港)有限公司  
CHINA STATE CONSTRUCTION ENGR. (HONG KONG) LTD.

Highways Department  
CONTRACT NO. HY/2009/15  
CENTRAL-WAN CHAI BYPASS -TUNNEL  
(CAUSEWAY BAY TYPHOON  
SHELTER SECTION)

TITLE  
LOCATION PLAN OF WORKS AREA

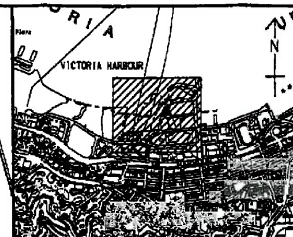
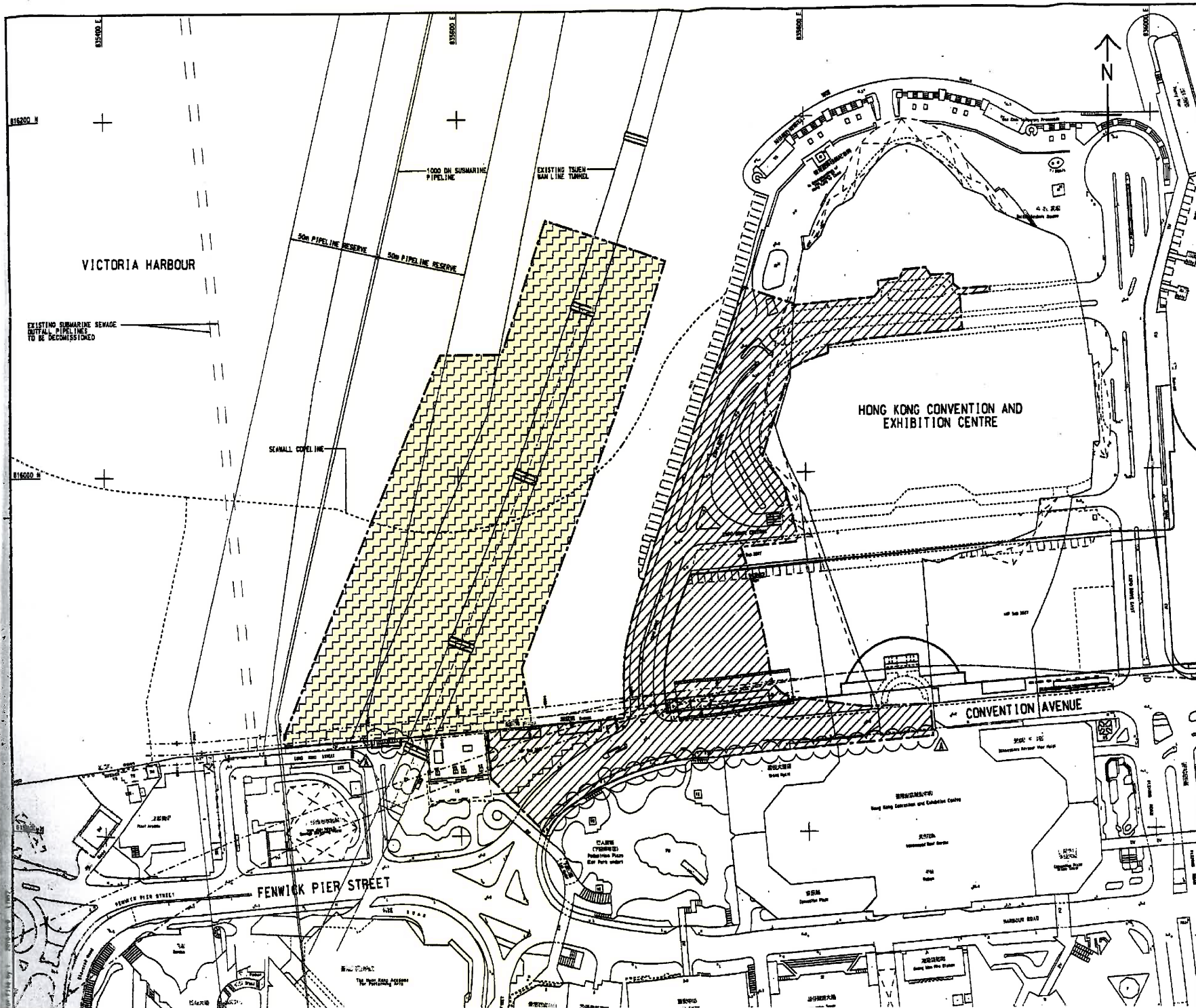
DRG. NO.  
CWBT/EPD/001B

SCALE  
1:1000 @ A0

STATUS  
DIMENSIONS ARE IN  
MILLIMETERS

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維多利亞公園  
Victoria Park



KEY PLAN  
SCALE 1 : 20000

- NOTES:**
- COORDINATES ARE BASED ON HONG KONG METRIC GRID (1980) UNLESS OTHERWISE NOTED.
  - LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (1985) UNLESS OTHERWISE NOTED.
  - DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
  - SETTING OUT DIMENSIONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRICALLY FROM THE DRAWINGS OR FILES.
  - SITE BOUNDARY SETTING OUT POINTS SHALL REFER TO DRAWING NO. 60041297/C4/100/1201.

**LEGEND:**

- SITE BOUNDARY
- PORTION 1
- PORTION 2 (DELAY POSSESSION)

TENDER ADDENDUM NO.1	SHW JYL OCT 10
TENDER DRAWING	SHW JYL SEP 10

土木工程發展署  
 Chi Engineering and Development Department  
**WAN CHAI DEVELOPMENT PHASE II**  
 WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS OVER MTR TSUEN WAN LINE  
**PORTIONS OF THE SITE (Contract HK/2010/06)**

**AECOM**  
 DRAWING NO. 60041297/C4/100/1301A  
 SHEET NO. 10 OF 10  
 DATE: 16/2010/06  
 SCALE: AS SHOWN  
 PROJECT: WAN CHAI DEVELOPMENT PHASE II - CENTRAL-WAN CHAI BYPASS OVER MTR TSUEN WAN LINE  
 CONTRACT: HK/2010/06  
 CLIENT: CEDD  
 DESIGNER: AECOM  
 CHECKED: TRR  
 DATE: 11/10/10  
 COPYRIGHT RESERVED

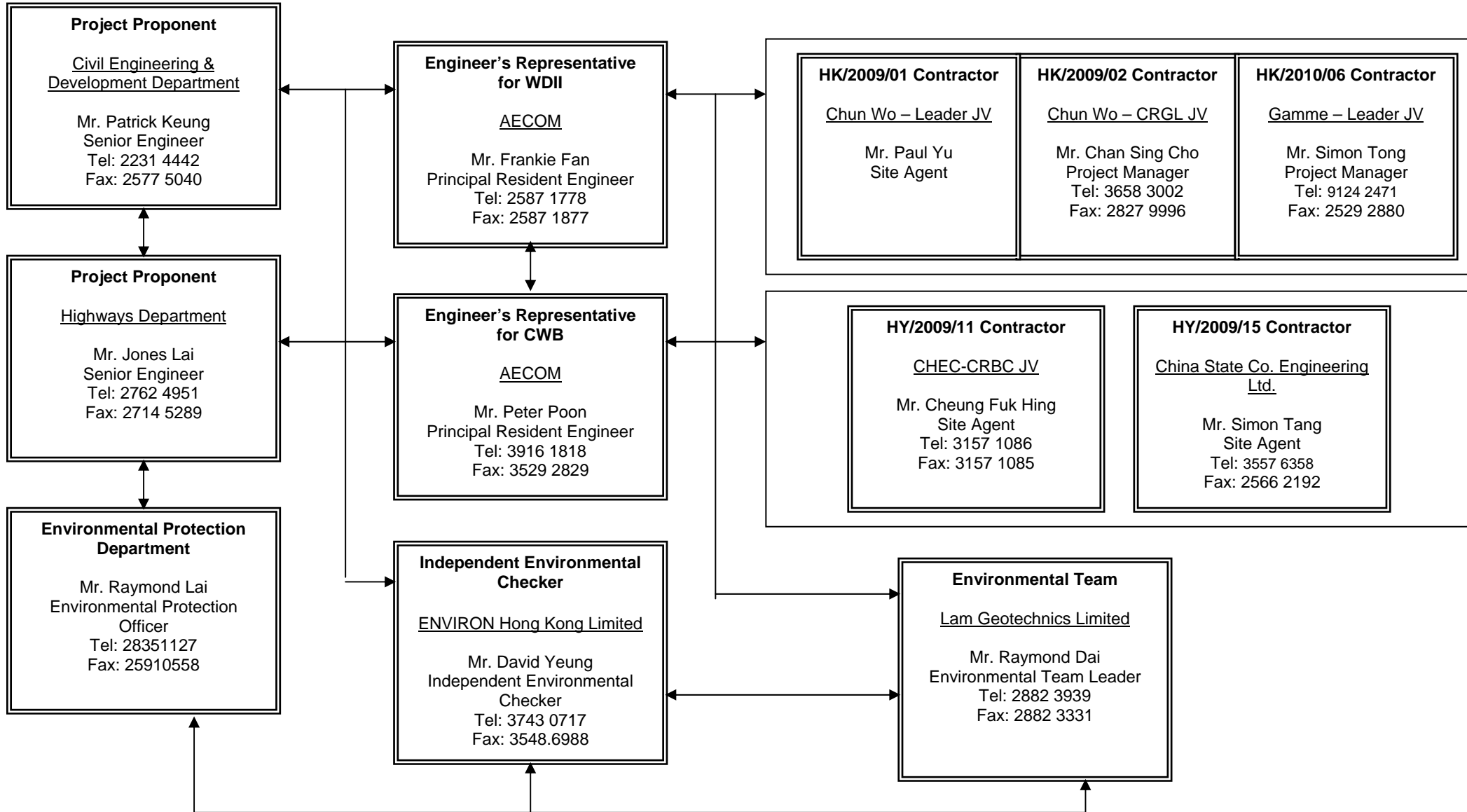


***Figure 2.2***

***Project Organization Chart***



**Project Organization Chart**

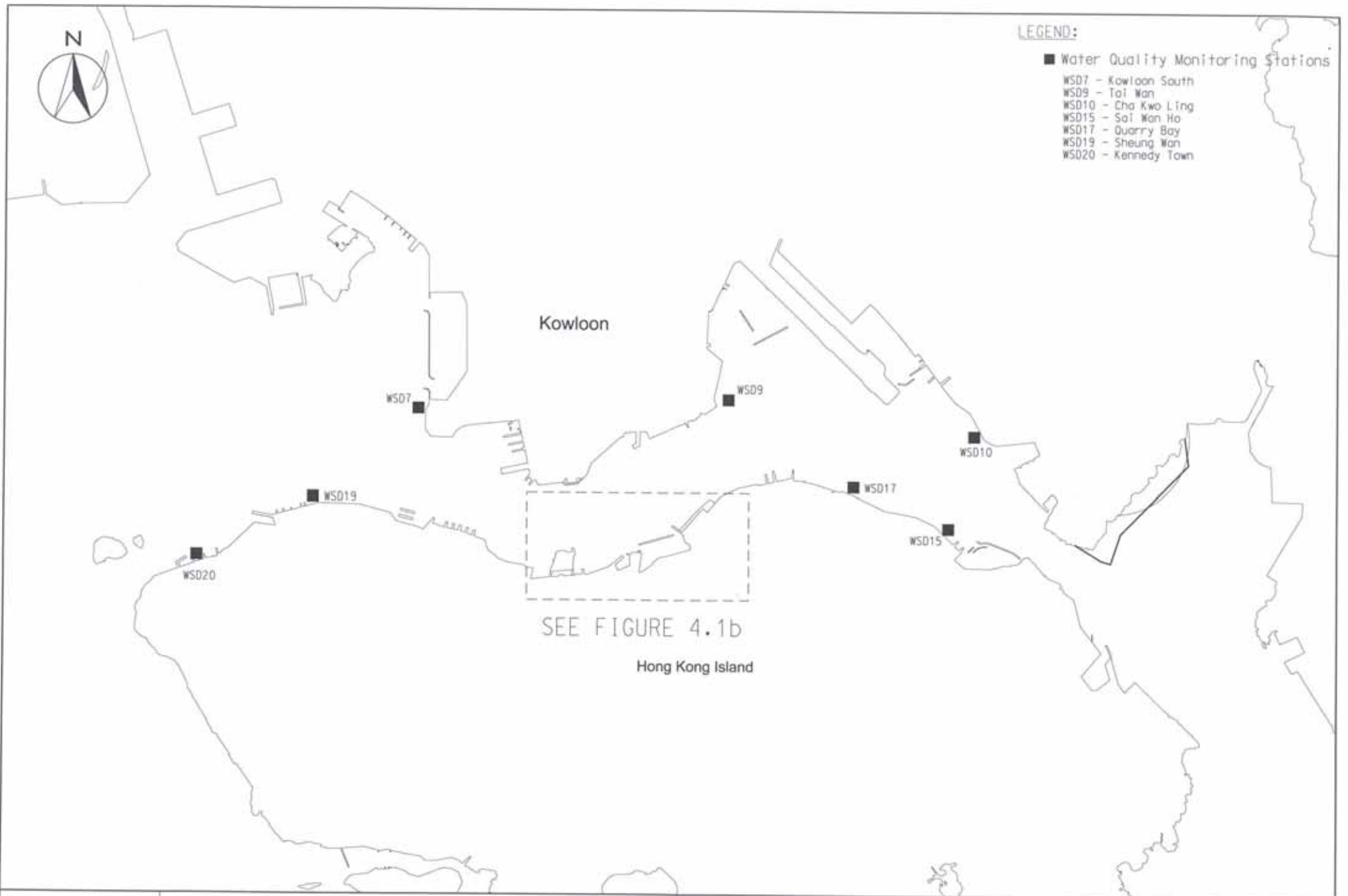




***Figure 4.1***

***Locations of Monitoring Stations***



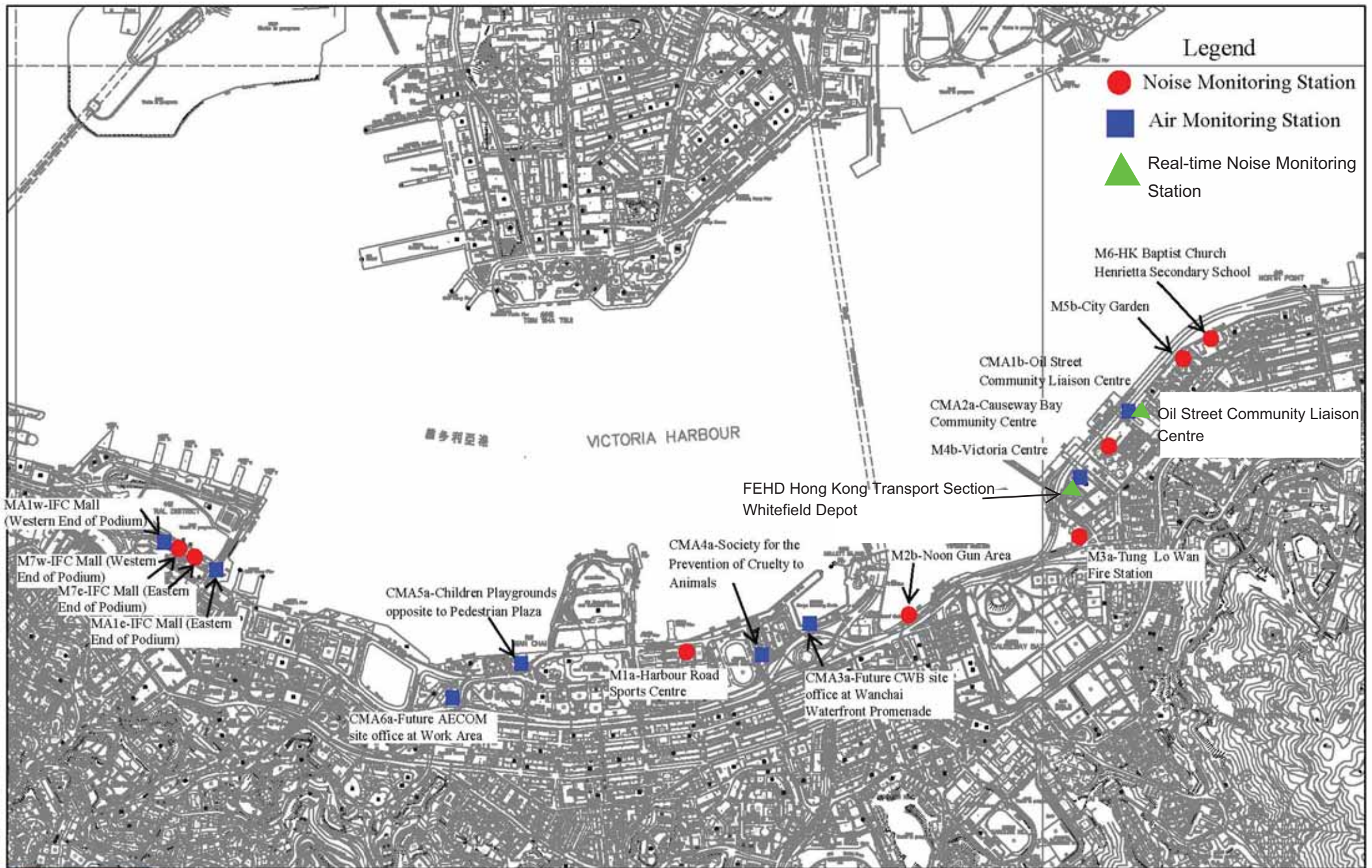


**LEGEND:**

**WATER QUALITY MONITORING STATIONS**

- C1 HONG KONG CONVENTION AND EXHIBITION CENTRE EXTENSION
- C2 TELECOM HOUSE/HK ACADEMY FOR PERFORMING/ SHUI ON CENTRE
- C3 HONG KONG CONVENTION AND EXHIBITION CENTRE PHASE I
- C4 WAN CHAI TOWER AND GREAT EAGLE CENTRE
- C5 SUN HUNG KAI CENTRE
- C6 PROPOSED EXHIBITION STATION / WORLD TRADE CENTRE
- C7 WINDSOR HOUSE
- C8 CITY GARDEN
- C9 PROVIDENT CENTRE
- RC1 PROPOSED HKAPA EXTENSION
- RC5 SUN HUNG KAI CENTRE (REPROVISION)
- RC7 WINDSOR HOUSE (TEMPORARY REPROVISION)
- WSD21 WAN CHAI
- RW1 WAN CHAI (REPROVISION)

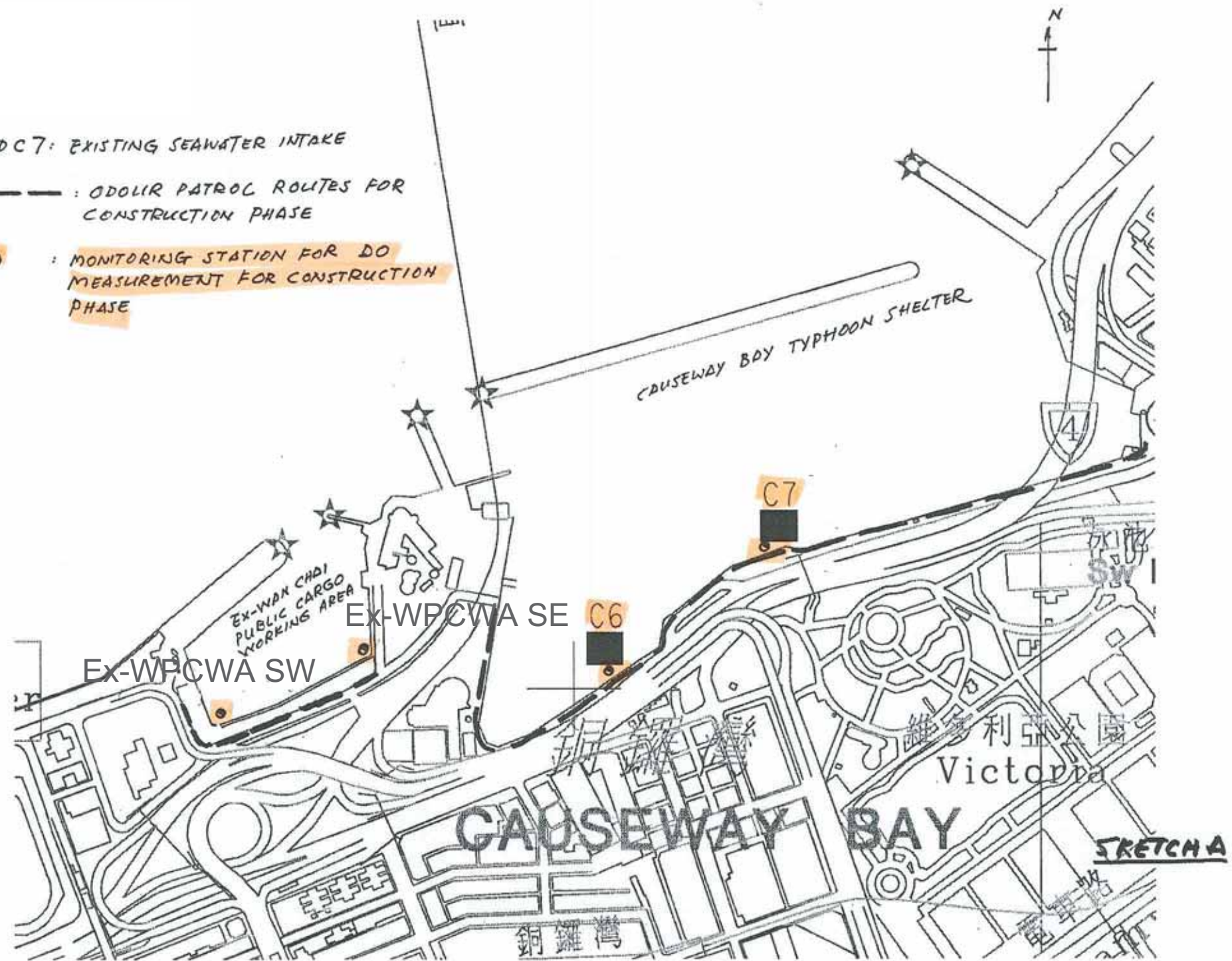




C6 AND C7: EXISTING SEAWATER INTAKE

----- : ODOR PATROL ROUTES FOR CONSTRUCTION PHASE

● : MONITORING STATION FOR DO MEASUREMENT FOR CONSTRUCTION PHASE





***Appendix 3.1***

***Environmental Mitigation Implementation Schedule***

Environmental Mitigation Implementation Schedule

Implementation Schedule for Air Quality Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For the Whole Project</i>								
S3.6.5	Four times a day watering of the work site with active operations.	Work site / during construction	Contractor		√			EIAO-TM
S3.8.1	Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimise cumulative dust impacts. <ul style="list-style-type: none"> <li>Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition;</li> <li>Watering during excavation and material handling;</li> <li>Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> </ul>	Work site / during construction	Contractor		√			

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.5.6	For the dredging activities carried out in the vicinity of Police Officers' Club, the dredging operation will be restricted to only 1 small close grab dredger to minimise the odour impact during the dredging activity. The dredging rate should be reduced as much as practicable for the area in close proximity to the Police Officers' Club. The sediments contain highly contaminated mud which may be disposed with the use of geosynthetic containers (details shall refer to Section 6), grab dredger has to be used for filling up the geosynthetic containers on barges. the dredging rate for the removal of the sediments at the south-west corner of the typhoon shelter shall be slowed down or restricted to specific non-popular hours in weekdays when it is necessary during construction.	Corner of CBTS/implementation of harbour-front enhancement	CEDD <sup>1</sup>		√			EIAO-TM
S3.8.8	Carry out dredging at the corner of CBTS to remove the sediment and clean the slime attached on the CBTS shoreline seawall	Corner of CBTS & CBTS shoreline seawall/implementation of harbour-front enhancement	CEDD <sup>2</sup>		√			EIAO-TM
<b>Operation Phase</b>								
<i>For the Whole Project</i>								

<sup>1</sup> CEDD will identify an implementation agent.

<sup>2</sup> CEDD will identify an implementation agent.

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.10.2	Monthly (from July to September) monitoring of odour impacts, for a period of 5 years, is proposed during the operational phase of the Project to ascertain the effectiveness of the Enhancement Package over time, and to monitor any on-going odour impacts at the ASRs.	Planned ASRs (CBTS Breakwater)/First 5-year period of operation phase	CEDD <sup>1</sup>			√		EIAO-TM
<b>For DPI – CWB (Within the Project Boundary)</b>								
S3.6.53 – S3.6.54	The design parameters of the East and Central Ventilation Buildings as set in Tables 3.10 and 3.11	East and Central Ventilation Buildings / During operation of the Trunk Road	HyD			√		
S3.10.2	Air quality monitoring for the operation performance of the East Ventilation Building and associated East Vent Shaft will be conducted.	East Vent Shaft / During operation of the East Ventilation Building and associated East Vent Shaft	HyD			√		EIAO-TM

- Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Appendix 3.1

**Table A13.2 Implementation Schedule for Noise Control**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<b>For the Whole Project</b>								

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S4.9.4	<p>Good Site Practice:</p> <ul style="list-style-type: none"> <li>Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program.</li> <li>Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program.</li> <li>Mobile plant, if any, shall be sited as far away from NSRs as possible.</li> <li>Machines and plant (such as trucks) that may be in intermittent use shall be shut down between works periods or shall be throttled down to a minimum.</li> <li>Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.</li> <li>Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from on-site construction activities.</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
<b>For DP1 – CWB (Within the Project Boundary)</b>								

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S4.8.3 – S4.8.5	<p>Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks:</p> <ul style="list-style-type: none"> <li>Slip road 8 tunnel</li> <li>Construction of diaphragm wall and substructures of the tunnel approach ramp</li> <li>Excavation</li> <li>Construction of slabs</li> <li>Backfill</li> <li>Demolition and construction of substructures for the IEC</li> <li>Demolition works of existing piers and crossheads of the marine section of the existing IEC</li> </ul> <p>Use of PME grouping for the following tasks:</p> <ul style="list-style-type: none"> <li>At-grade road construction</li> <li>Substructure for IECL connection</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
<b>For DP2 – WDII Major Roads (Road P2)</b>								
S4.8.3 – S4.8.4	<p>Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks:</p> <ul style="list-style-type: none"> <li>Temporary road diversion</li> <li>Resurfacing</li> <li>At-grade roadwork</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
<b>For DP3 – Reclamation Works</b>								
S4.8.3 – S4.8.4	<p>Use of quiet powered mechanical equipment for the following task:</p> <ul style="list-style-type: none"> <li>Filling behind seawall</li> <li>Seawall construction</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO

Appendix 3.1



EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>For DP5 – Wan Chai East Sewage Outfall</b>								
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment for the following tasks: <ul style="list-style-type: none"> <li>Submarine pipelines (marine section)</li> </ul> Use of quiet powered mechanical equipment and movable noise barrier for the following tasks: <ul style="list-style-type: none"> <li>Installation of a new pipeline (land section)</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO
<b>For DP6 – Cross-Harbour Water Mains from Wan Chai to Tsim Sha Tsui</b>								
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment for the following tasks: <ul style="list-style-type: none"> <li>Submarine pipelines (marine section)</li> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Operation Phase</b>								
<b>For DP1 – CWB (Within the Project Boundary)</b>								

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S4.8.14 – S4.8.18	<ul style="list-style-type: none"> <li>For Existing NSRs</li> <li>about 235m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> <li>about 230m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC</li> <li>about 135m length of 5.5m high cantilevered noise barrier with 3m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 95m length of 5.5m high cantilevered noise barrier with 1m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 350m length of 3.5m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC</li> <li>low noise road surfacing for the trunk road (except tunnel section and beneath the landscaped deck at the eastern portal area) with speed limit of 70 km/hour</li> </ul> For Future/Planned NSRs <ul style="list-style-type: none"> <li>about 265m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> </ul>	Near North Point / Before commencement of operation of road project            In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites.	HyD	√	√	√		EIAO-TM
					√	√ #		

## Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<ul style="list-style-type: none"> <li>The openable windows of the temple, if any, should be orientated so as to avoid direct line of sight to the existing Victoria Park Road as far as practicable.</li> </ul>	Near Causeway Bay Fire Station / During detailed design of the re-provisioned Tin Hau Temple	Project Proponent for the re-provisioned Tin Hau Temple	√				

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

# Only the steel frame for this section of noise semi-enclosure would be erected in advance during the construction of the westbound slip road.

## Appendix 3.1

**Table A13.3 Implementation Schedule for Water Quality Control**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For DP3 – Reclamation Works, DP5 (Wan Chai East Sewage Outfall), DP6 (Cross-Harbour Water Mains from Wan Chai to Tsim Sha Tsui), DP1 – CWB (within the Project Boundary)</i>								
S5.8	A phased reclamation approach is planned for the WDII. Containment of fill within each of the reclamation phases by seawalls is proposed, with the seawall constructed first (above high water mark) with filling carried out behind the completed seawalls. Any gaps that may need to be provided for marine access will be shielded by silt curtains to control sediment plume dispersion away from the site. Filling for seawall construction should be carried out behind the silt curtain	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO
S5.8	Dredging shall be carried out by closed grab dredger for the following works: <ul style="list-style-type: none"> <li>Seawall construction in all the reclamation areas;</li> <li>Construction of the CWB Tunnel</li> <li>Construction of the proposed WSD water mains; and</li> <li>Construction of the proposed Wan Chai East sewage outfall pipelines.</li> </ul>	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO
S5.8, Figure 5.3	Dredging for the Wan Chai East sewage outfall pipelines shall not be carried out concurrently with the following activities: <ul style="list-style-type: none"> <li>Dredging along the proposed cross-harbour water mains;</li> <li>Dredging along the seawall in the Wan Chai Reclamation (WCR) zone (area between HKCEC Extension and PCWA).</li> </ul>	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines																								
				Des	C	O	Dec																									
S5.8	The water body behind the temporary reclamations within the Causeway Bay typhoon shelter shall not be fully enclosed.	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO																								
S5.8	As a mitigation measure, to avoid the accumulation of water borne pollutants within the temporary embayment between CR111 and HKCEC1, an impermeable barrier, suspended from a floating boom on the water surface and extending down to the seabed, will be erected by the contractor before the HKCEC1 commences. The barrier will channel the stormwater discharge flows from Culvert L to the outside of the embayment. The contractor will maintain this barrier until the reclamation works in HKCEC2W are carried out and the new Culvert L extension is constructed.	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO																								
S5.8, Figure 5.3	The total dredging rates in each of the marine works zones shall not be more than the maximum production rates stated in the table below. These are the production rates without considering the effect of silt curtain.	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Reclamation Area</th> <th colspan="2">Maximum Dredging Rate</th> <th rowspan="2">Maximum Dredging Rate (m<sup>3</sup> per week)</th> </tr> <tr> <th>m<sup>3</sup> per day</th> <th>m<sup>3</sup> per hour (for 16 hrs per day)</th> </tr> </thead> <tbody> <tr> <td colspan="4"><b>Dredging along seawall or breakwater</b></td> </tr> <tr> <td>North Point Shoreline Zone (NPR)</td> <td>6,000</td> <td>375</td> <td>42,000</td> </tr> <tr> <td>Causeway Bay</td> <td>1,500</td> <td>94</td> <td>10,500</td> </tr> <tr> <td>Shoreline Zone</td> <td>6,000</td> <td>375</td> <td>42,000</td> </tr> <tr> <td>PCWA Zone</td> <td>5,000</td> <td>313</td> <td>35,000</td> </tr> </tbody> </table>		Reclamation Area	Maximum Dredging Rate		Maximum Dredging Rate (m <sup>3</sup> per week)	m <sup>3</sup> per day	m <sup>3</sup> per hour (for 16 hrs per day)	<b>Dredging along seawall or breakwater</b>				North Point Shoreline Zone (NPR)	6,000	375	42,000	Causeway Bay	1,500	94	10,500	Shoreline Zone	6,000	375	42,000	PCWA Zone	5,000	313	35,000					
Reclamation Area	Maximum Dredging Rate		Maximum Dredging Rate (m <sup>3</sup> per week)																													
	m <sup>3</sup> per day	m <sup>3</sup> per hour (for 16 hrs per day)																														
<b>Dredging along seawall or breakwater</b>																																
North Point Shoreline Zone (NPR)	6,000	375	42,000																													
Causeway Bay	1,500	94	10,500																													
Shoreline Zone	6,000	375	42,000																													
PCWA Zone	5,000	313	35,000																													

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EIA Ref	Environmental Protection Measures / Mitigation Measures				Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines																						
							Des	C	O	Dec																							
	<table border="1"> <tr> <td>Wan Chai Shoreline Zone (WCR)</td> <td>6,000</td> <td>375</td> <td>42,000</td> </tr> <tr> <td>HKCEC Shoreline Zone (HKCEC)</td> <td>1,500</td> <td>94</td> <td>10,500</td> </tr> <tr> <td>HKCEC Stage 1 &amp; 3</td> <td>6,000</td> <td>375</td> <td>42,000</td> </tr> <tr> <td>HKCEC Stage 2</td> <td>1,500</td> <td>94</td> <td>10,500</td> </tr> <tr> <td>Cross Harbour Water Mains</td> <td>1,500</td> <td>94</td> <td>10,500</td> </tr> <tr> <td>Wan Chai East Submarine Sewage Pipeline</td> <td>1,500</td> <td>94</td> <td>10,500</td> </tr> </table> <p>Note: 1,500 m<sup>3</sup> per day shall be applied for construction of the western seawall of WCR1.</p>	Wan Chai Shoreline Zone (WCR)	6,000	375	42,000	HKCEC Shoreline Zone (HKCEC)	1,500	94	10,500	HKCEC Stage 1 & 3	6,000	375	42,000	HKCEC Stage 2	1,500	94	10,500	Cross Harbour Water Mains	1,500	94	10,500	Wan Chai East Submarine Sewage Pipeline	1,500	94	10,500								
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S5.8, Figure 5.3	Dredging along the seawall at WCR1 shall be undertaken initially at 1,500m <sup>3</sup> per day for construction of the western seawall (which is in close proximity of the WSD intake), followed by partial seawall construction at the western seawall (above high water mark) to protect the adjacent intakes as much as possible from further dredging activities.	Work site / During the construction period	Contractor		√					EIAO-TM, WPCO																							
S5.8, Figure 5.3	For dredging within the Causeway Bay typhoon shelter, seawall shall be partially constructed to protect the nearby seawater intakes from further dredging activities. For example, at TCBR1W, the southern and eastern seawalls shall be constructed first (above high water mark) so that the seawater intakes at the inner water would be protected from the impacts from the remaining dredging activities along the northern boundary.	Work site / During the construction period	Contractor		√					EIAO-TM, WPCO																							
S5.8, Figure 5.3	Silt curtains shall be deployed around the closed grab dredgers during seawall dredging and seawall trench filling in the areas of HKCEC, WCR, TCBR and NP.	Work site / During the construction period	Contractor		√					EIAO-TM, WPCO																							
S5.8, Figure 5.3	<p>Silt screens shall be applied to seawater intakes at interim construction stages as stated below:</p> <table border="1"> <thead> <tr> <th>Interim Construction Stage</th> <th>Location of Applications</th> </tr> </thead> <tbody> <tr> <td>Scenario 2A in early 2009 with concurrent dredging activities at HKCEC, WCR, TPCWA,</td> <td>WSD saltwater intakes at Sai Wan Ho, Quarry Bay, Sheung Wan, Wan Chai, Kowloon South Cooling water intakes for Hong Kong Convention and Exhibition Centre Extension, Hong Kong</td> </tr> </tbody> </table>	Interim Construction Stage	Location of Applications	Scenario 2A in early 2009 with concurrent dredging activities at HKCEC, WCR, TPCWA,	WSD saltwater intakes at Sai Wan Ho, Quarry Bay, Sheung Wan, Wan Chai, Kowloon South Cooling water intakes for Hong Kong Convention and Exhibition Centre Extension, Hong Kong	Work site / During the construction period	Contractor		√					EIAO-TM, WPCO																			
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Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines						
					Des	C	O	Dec							
	<table border="1"> <tr> <td>TBW, NP and Water Mains Zone</td> <td>Convention and Exhibition Centre Phase I, Telecom House / HK Academy for Performing Arts / Shun On Centre, Wan Chai Tower / Revenue Tower / Immigration Tower and Sun Hung Kai Centre</td> </tr> <tr> <td>Scenario 2B in late 2009/2010 with concurrent dredging activities at Sewage Pipelines Zone and TCBR.</td> <td>WSD saltwater intakes at Sheung Wan, Wan Chai Cooling water intakes for Queensway Government Offices, Excelsior Hotel, World Trade Centre and Windsor House.</td> </tr> <tr> <td>Scenario 2C in 2011 with concurrent dredging activities at HKCEC and TCBR.</td> <td>WSD saltwater intakes at Sheung Wan and Reprovisioned WSD Wan Chai saltwater intake. Cooling water intakes for MTR South, Excelsior Hotel &amp; World Trade Centre and reprovisioned Windsor House.</td> </tr> </table>	TBW, NP and Water Mains Zone	Convention and Exhibition Centre Phase I, Telecom House / HK Academy for Performing Arts / Shun On Centre, Wan Chai Tower / Revenue Tower / Immigration Tower and Sun Hung Kai Centre	Scenario 2B in late 2009/2010 with concurrent dredging activities at Sewage Pipelines Zone and TCBR.	WSD saltwater intakes at Sheung Wan, Wan Chai Cooling water intakes for Queensway Government Offices, Excelsior Hotel, World Trade Centre and Windsor House.	Scenario 2C in 2011 with concurrent dredging activities at HKCEC and TCBR.	WSD saltwater intakes at Sheung Wan and Reprovisioned WSD Wan Chai saltwater intake. Cooling water intakes for MTR South, Excelsior Hotel & World Trade Centre and reprovisioned Windsor House.								
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S5.8	<p>Other mitigation measures include:</p> <ul style="list-style-type: none"> <li>mechanical grabs, if used, shall be designed and maintained to avoid spillage and sealed tightly while being lifted. For dredging of any contaminated mud, closed watertight grabs must be used;</li> <li>all vessels shall be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;</li> <li>all hopper barges and dredgers shall be fitted with tight fitting seals to their bottom openings to prevent leakage of material;</li> <li>construction activities shall not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds;</li> <li>loading of barges and hoppers shall be controlled to prevent splashing of dredged material into the surrounding water. Barges or hoppers shall not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; and</li> </ul>	Work site / During the construction period	Contractor		√				ProPECC PN 1/94; WPCO (TM-DSS)						

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<ul style="list-style-type: none"> <li>before commencement of the reclamation works, the holder of Environmental Permit has to submit plans showing the phased construction of the reclamation, design and operation of the silt curtain.</li> </ul>							
S5.8	<p>Silt screens are recommended to be deployed at the seawater intakes during the reclamation works period. Installation of silt screens at the seawater intake points may cause a potential for accumulation and trapping of pollutants, floating debris and refuse behind the silt screens and may lead to potential water quality deterioration at the seawater intake points. Major sources of pollutants and floating refuse include the runoff and storm water discharges from the nearby coastal areas. As a mitigation measure to avoid the pollutant and refuse entrapment problems and to ensure that the impact monitoring results are representative, regular maintenance of the silt screens and refuse collection shall be performed at the monitoring stations at regular intervals on a daily basis. The Contractor shall be responsible for keeping the water behind the silt screen free from floating rubbish and debris during the impact monitoring period.</p>	Work site / During the construction period	Contractor		√			EIAO-TM, WPCO

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S5.8	<p>Dredging of contaminated mud is recommended as a mitigation measures for control of operational odour impact from the Causeway Bay typhoon shelter. In recognition of the potential impacts caused by dredging activities close to the seawater intakes, only 1 small close grab dredger shall be operated within the typhoon shelter (for the dredging to mitigate odour impact) at any time to minimize the potential impact. Double silt curtains shall be deployed to fully enclose the closed grab dredger during the dredging operation. In addition, an impermeable barrier, suspended from a floating boom on the water surface and extended down to the seabed, shall be erected to isolate the adjacent intakes as much as possible from dredging activities. For example, if dredging is to be carried out at the southwest corner of the typhoon shelter, physical barriers shall be erected to west of the cooling water intake for Excelsior Hotel so that the intake would be shielded from most of the SS generated from the dredging operation to the west of the intake. For area in close proximity of the cooling water intake point, the dredging rate shall be reduced as much as practicable. Site audit and water quality monitoring shall be carried out at the seawater intakes during the dredging operations. Daily monitoring of SS at the cooling water intake shall be carried out, and 24 hour monitoring of turbidity at the intakes shall be implemented during the dredging activities. If the monitoring results indicate that the dredging operation has caused significant changes in water quality conditions at the seawater intakes, appropriate actions shall be taken to stop the dredging and mitigation measures such as slowing down the dredging rate shall be implemented.</p>	Causeway Bay typhoon shelter/Implementation of harbour-front enhancement.	CEDD <sup>3</sup>		√			WPCO

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	
				Des	C	O	Dec		
<b>For the Whole Project</b>									
S5.8	<ul style="list-style-type: none"> <li>Construction Runoff and Drainage</li> <li>use of sediment traps, wheel washing facilities for vehicles leaving the site, and adequate maintenance of drainage systems to prevent flooding and overflow;</li> <li>Permanent drainage channels shall incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities shall be based on the guidelines in Appendix A1 of ProPECC PN 1/94;</li> <li>a sediment tank constructed from pre-formed individual cells of approximately 6 - 8 m3 capacity can be used for settling ground water prior to disposal;</li> <li>oil interceptors shall be provided in the drainage system for the tunnels and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor shall have a bypass to prevent flushing during periods of heavy rain;</li> <li>precautions and actions to be taken when a rainstorm is imminent or forecast, and during or after rainstorms. Particular attention shall be paid to the control of any silty surface runoff during storm events;</li> <li>on-site drainage system shall be installed prior to the commencement of other construction activities. Sediment traps shall be installed in order to minimise the sediment loading of the effluent prior to discharge;</li> <li>All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge shall be adequately designed for the controlled release of storm flows. All sediment control measures shall be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage shall be reinstated to its original condition when the construction work is finished or the temporary diversion is no longer</li> </ul>	<ul style="list-style-type: none"> <li>Work site / During the construction period</li> </ul>	Contractor		√				ProPECC PN 1/94; WPCO (TM-DSS)

<sup>3</sup> CEDD will identify an implementation agent.

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>required.</p> <ul style="list-style-type: none"> <li>All fuel tanks and store areas shall be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity.</li> </ul>							
	<ul style="list-style-type: none"> <li>Minimum distances of 100 m shall be maintained between the storm water discharges and the existing or planned WSD flushing water intakes during construction phase.</li> </ul>							
S5.8	<p><i>Sewage from Construction Work Force</i></p> <p>Construction work force sewage discharges on site shall be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage shall be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.</p>	Work site / During the construction period	Contractor		√			ProPECC PN 1/94; WPCO (TM-DSS)
S5.8	<p><i>Floating Debris and Refuse</i></p> <p>Collection and removal of floating refuse shall be performed at regular intervals on a daily basis. The contractor shall be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.</p>	Work site and adjacent water / During the construction period.	Contractor		√			WPCO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S5.8	<p><i>Storm Water Discharges</i></p> <p>Minimum distances of 100 m shall be maintained between the existing or planned stormwater discharges and the existing or planned WSD flushing water intakes.</p>	Work site and adjacent water / During the design and construction period.	Contractor	√	√			WPCO
<b>Operation Phase</b>								
<b>DPI – CWB (within the Project Boundary)</b>								
S5.8	<p>For the operation of CWB, a surface water drainage system would be provided to collect road runoff. The following operation stage mitigation measures are recommended to ensure road runoff would comply with the TM under the WPCO:</p> <ul style="list-style-type: none"> <li>The drainage from tunnel sections shall be directed through petrol interceptors to remove oil and grease before being discharged to the nearby foul water manholes.</li> <li>Petrol interceptors shall be regularly cleaned and maintained in good working condition.</li> <li>Oily contents of the petrol interceptors shall be properly handled and disposed of, in compliance with the requirements of the Waste Disposal Ordinance.</li> <li>Sewage arising from ancillary facilities of CWB (for examples, car park,</li> </ul>	CWB/During design and operational period	HyD/TD <sup>3</sup>	√		√		WPCO

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>control room, ventilation and administration buildings and tunnel portals) shall be connected to public sewerage system. Sufficient capacity in public sewerage shall be made available to the proposed facilities.</p> <ul style="list-style-type: none"> <li>Road drainage shall also be provided with adequately designed silt trap to minimize discharge of silty runoff.</li> <li>The design of the operational stage mitigation measures for CWB shall take into account the guidelines published in ProPECC PN 5/93 "Drainage Plans subject to Comment by the EPD." All operational discharges from the CWB into drainage or sewerage systems are required to be licensed by EPD under the WPCO.</li> </ul>							

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

<sup>3</sup> if employ Management, Operation and Maintenance (MOM) Contract

Appendix 3.1

**Table A13.4 Implementation Schedule for Waste Management**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For DP3 – Reclamation Works</i>								
	<b>Marine Sediments</b>							
S6.7.2	The dredged marine sediments would be loaded onto barges, transported to and disposed of at the designated disposal sites at South of Cheung Chau, East of Ninepin, East of Tung Lung Chau, South of Tsing Yi or East of Sha Chau to be allocated by the MFC depending on their level of contamination or at other disposal sites after consultation with the MFC and EPD. In accordance with the ETWB TCW No. 34/2002, the contaminated material must be dredged and transported with great care. The mitigation measures recommended in Section 5 of the EIA Report shall be incorporated. The dredged contaminated sediment must be effectively isolated from the environment upon final disposal and shall be disposed of at the Type 2 confined marine disposal contaminated mud pit.	Work site / During the construction period	Contractor		√			ETWB TCW No. 34/2002
S6.7.3	Based on the biological screening results, the Category H (>10xLCEL) sediment which failed the biological testing would require Type 3 special disposal. The volume of Category H sediment from the Causeway Bay typhoon shelter which would require special disposal arrangements is estimated to be approximately 0.05 Mm <sup>3</sup> . A feasible containment method is proposed whereby the dredged sediments are sealed in geosynthetic containers and, at the disposal site, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping, thereby meeting the requirements for fully confined mud disposal.							

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.7.5	It will be the responsibility of the Contractor to satisfy the appropriate authorities that the contamination levels of the marine sediment to be dredged have been analysed and recorded. According to the ETWB TCW No. 34/2002, this will involve the submission of a formal Sediment Quality Report to the DEP, at least 3 months prior to the dredging contract being tendered							
S6.7.6	During transportation and disposal of the dredged marine sediments requiring Type 1 and Type 2 disposal, the following measures shall be taken to minimise potential impacts on water quality: <ul style="list-style-type: none"> <li>Bottom opening of barges shall be fitted with tight fitting seals to prevent leakage of material. Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved.</li> </ul>							

Appendix 3.1



EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<ul style="list-style-type: none"> <li>Monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.</li> <li>Barges or hopper barges shall not be filled to a level that would cause the overflow of materials or sediment laden water during loading or transportation.</li> </ul>							
S6.6.12	<p><b>Floating Refuse</b></p> <p>During the construction phase, the project proponent's contractor will be responsible for the collection of any refuse within their works area. Floating booms will be provided on the water surface to confine the refuse from the working barges as well as to avoid the accumulation of pollutants within temporary embayment as mentioned in Table 13.3.</p>	Work site / During the construction period	Contractor		√			
<b>For the Whole Project</b>								

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.7.7	<p><b>Good Site Practices</b></p> <p>Recommendations for good site practices during the construction activities include:</p> <ul style="list-style-type: none"> <li>nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;</li> <li>training of site personnel in proper waste management and chemical waste handling procedures;</li> <li>provision of sufficient waste disposal points and regular collection for disposal;</li> <li>appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;</li> <li>regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and</li> <li>a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).</li> </ul>	Work site / During the construction period	Contractor		√			Waste Disposal Ordinance (Cap.354)

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.7.8	<p><i>Waste Reduction Measures</i></p> <p>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> <li>• segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> <li>• to encourage collection of aluminium cans, PET bottles and paper, separate labelled bins shall be provided to segregate these wastes from other general refuse generated by the work force;</li> <li>• any unused chemicals or those with remaining functional capacity shall be recycled;</li> <li>• use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&amp;D material.</li> <li>• prior to disposal of C&amp;D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill;</li> <li>• proper storage and site practices to minimise the potential for damage or contamination of construction materials; and</li> <li>• plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.</li> </ul>	Work site / During planning and design stage, and construction stage	Contractor	√	√			

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.7.10	<p><i>General Refuse</i></p> <p>General refuse shall be stored in enclosed bins or compaction units separate from C&amp;D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&amp;D material.</p> <p>A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.</p>	Work site / During the construction period	Contractor		√			Public Health and Municipal Services Ordinance (Cap. 132)
S6.7.11	<p><i>Chemical Wastes</i></p> <p>After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals shall be collected by a licensed collector for disposal at the CWTF or other licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.</p>	Work site / During the construction period	Contractor		√			Waste Disposal (Chemical Waste) (General) Regulation  Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
S6.7.12	<p><i>Construction and Demolition Material</i></p> <p>C&amp;D material shall be sorted on-site into inert C&amp;D material (that is, public fill) and C&amp;D waste. All the suitable inert C&amp;D material shall be broken down to 250 mm in size for reuse as public fill in the WDI reclamation. C&amp;D waste, such as wood, glass, plastic, steel and other metals shall be reused or recycled and, as a last resort, disposed of to landfill. A suitable area shall be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials.</p>	Work site / During the construction period	Contractor		√			ETWB TCW No. 33/2002, 31/2004, 19/2005

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.7.13	In order to monitor the disposal of public fill and C&D waste at public filling facilities and landfills, respectively, and to control fly tipping, a trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team undertaking the environmental monitoring and audit work. An Independent Environment Checker shall be responsible for auditing the results of the system.	Work site / During the construction period	Contractor and Independent Environmental Checker		√			ETWB TCW No. 31/2004
S6.7.14	<b>Bentonite Slurry</b> The disposal of residual used bentonite slurry shall follow the good practice guidelines stated in ProPECC PN 1/94 "Construction Site Drainage" and listed as follows: <ul style="list-style-type: none"> <li>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.</li> <li>If the used bentonite slurry is intended to be disposed of through the public drainage system, it shall be treated to the respective effluent standards applicable to foul sewers, storm drains or the receiving waters as set out in the Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters.</li> <li>If the used bentonite slurry is intended to be disposed to public fill reception facilities, it will be mixed with dry soil on site before disposal.</li> </ul>	Work site / During the construction period	Contractor		√			ProPECC PN 1/94

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Appendix 3.1

**Table A13.5 Implementation Schedule for Land Contamination**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For the Whole Project</i>								
S.12.6	<ul style="list-style-type: none"> <li>The contaminated site shall be cleaned up before commencement of site clearance and construction work at the concerned area which may disturb the ground.</li> </ul>	A King Marine / Before commencement of construction activities at A King Marine.	Project proponent for the re-provisioned Tin Hau Temple	√				<i>"Guidance Notes for Investigation and Remediation of Contaminated Sites of Petrol Filling Stations, Boatyards, and Car Repair/Dismantling Workshops"</i> published by EPD, HKSAR  EPD ProPECC Note No. 3/94
S7.10	During soil remediation works, the Contractor for the excavation works shall take note of the following points for excavation: <ul style="list-style-type: none"> <li>Excavation profiles must be properly designed and executed;</li> <li>In case the soil to be excavated is situated beneath the groundwater table, it may be necessary to lower the groundwater table by installing well points or similar means;</li> <li>Quantities of soil to be excavated must be estimated;</li> <li>It maybe necessary to split quantities of soil according to soil type, degree and nature of contamination.</li> <li>Temporary storage of soil at intermediate depot or on-site</li> </ul>	A King Marine / During soil remediation works	Contractor	√				Air Pollution Control Ordinance Noise Control Ordinance  Waste Disposal Ordinance  Waste Disposal (Chemical Waste) (General) Regulation

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	maybe required. The storage site shall include protection facilities for leaching into the ground. eg. Liner maybe required.							
	<ul style="list-style-type: none"> <li>Supply of suitable clean backfill materials is needed after excavation.</li> <li>Care must be taken of existing buildings and utilities.</li> <li>Precautions must be taken to control of ground settlement</li> <li>Speed controls for vehicles shall be imposed on dusty site areas.</li> <li>Vehicle wheel and body washing facilities at the site's exit points shall be established and used.</li> </ul> <p>The following environmental mitigation measures shall be strictly followed during the operation and/or maintenance of the CS/S facilities:</p>							Water Pollution Control Ordinance

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p><u>Air Quality Mitigation Measures</u></p> <ul style="list-style-type: none"> <li>The loading, unloading, handling, transfer or storage of cement shall be carried out in an enclosed system.</li> <li>The loading, unloading, handling, transfer or storage of other materials which may generate airborne dust emissions such as untreated soil and oversize materials sorted out from the screening plant and stabilized soil stockpiled in the designated handling area, shall be carried out in such a manner to prevent or minimise dust emissions. These materials shall be adequately wetted prior to and during the loading, unloading and handling operations.</li> <li>All practicable measures, including speed controls for vehicles, shall be taken to prevent or minimize the dust emission caused by vehicle movement.</li> <li>Tarpaulin or low permeable sheet shall be put on dusty vehicle loads transported between site locations.</li> </ul>							
	<p><u>Noise Mitigation Measures</u></p> <ul style="list-style-type: none"> <li>The mixing facilities shall be sited as far as practicable to the nearby noise sensitive receivers.</li> <li>Simultaneous operation of mixing facilities and other equipment shall be avoided.</li> <li>Mixing process and other associated material handling activities shall be properly scheduled to minimise potential cumulative noise impact on the nearby noise sensitive receivers.</li> <li>Construction Noise Permit shall be applied for the operation of powered mechanical equipment during restricted hours (if any).</li> </ul>							

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p><u>Water Quality Mitigation Measures</u></p> <ul style="list-style-type: none"> <li>Stockpile of untreated soil shall be covered as far as practicable to prevent the contaminated material from leaching out. The leachate shall be discharged following the requirements of WPCO.</li> </ul> <p><u>Waste Mitigation Measures</u></p> <ul style="list-style-type: none"> <li>Treated oversize materials will be used as filling material for backfilling within the site. Sorted materials of size smaller than 5 cm will be collected and transferred to the mixing plant for further decontamination treatment.</li> <li>Stabilized soils shall be broken into suitable size for backfilling or reuse on site.</li> <li>A high standard of housekeeping shall be maintained within the mixing plant area.</li> <li>If necessary, there shall be clear and separated areas for stockpiling of untreated and treated materials.</li> </ul>							

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Appendix 3.1

**Table A13.6 Implementation Schedule for Marine Ecology**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For the Whole Project - Schedule 3 DP</i>								
S.9.7.2	Alternative design of the Trunk Road constructed in tunnel shall be adopted to avoid permanent reclamation in CBTS and ex-PWCA Basin.	-	CEDD/HyD	√				EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
<i>For DP3 - Reclamation Works</i>								
S.9.7.3	Translocation of those potentially affected coral colonies to the nearby suitable habitats such as Junk Bay is recommended. A detailed translocation plan (including translocation methodology, monitoring of transplanted corals, etc.) should be drafted and approval by AFCD during the detailed design stage of the Project.	Ex-PCWA Basin and along seawall next to a public pier which is about 250 m away from the CBTS	CEDD/HyD	√				EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S.9.7.4	<p>During dredging and filling operations, a number of mitigation measures to control water quality shall be adopted to confine sediment plume within reclamation area and protect marine fauna in proximity to the reclamation. The mitigation measures include the following:</p> <ul style="list-style-type: none"> <li>• Installation of silt curtains during dredging activities</li> <li>• Use of tightly-closed grab dredger</li> <li>• Reduction of dredging rate</li> <li>• Control of grab descending speed</li> <li>• Construction of leading edges of seawall in the early stages of the reclamation works</li> </ul>	Work site / during construction phase	Contractor		√			EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
	<ul style="list-style-type: none"> <li>• Adoption of multiple-phase construction schedule</li> </ul>							

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S.9.7.6	<p>To minimize potential disturbance impacts on the foraging ardeid population in the CBTS, particularly in the area near the A King Shipyard, appropriate mitigation measures shall be adopted particularly during the construction phase. The following measures are recommended:</p> <ul style="list-style-type: none"> <li>• Use of Quiet Mechanical Plant during the construction phase shall be adopted wherever possible.</li> <li>• Adoption of multiple-phase construction schedule.</li> <li>• General measures to reduce noise generated during the construction phase (see noise impact assessment) shall be effectively implemented.</li> </ul>	Work site / during construction phase	Contractor		√			EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
S.9.7.7	<p>Seawalls shall be constructed in advance around the reclamation areas within the area of the CBTS to screen adjacent feeding ground from construction phase activities, reduce noise disturbance to the associated seabirds and also to restrict access to this habitat adjacent to works areas by ship traffic.</p>	Work site / during construction phase	Contractor		√			EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
S.9.7.8	<p>Loss of artificial seawall habitats shall be reinstated by the construction of about 1 km vertical wave absorbing seawall along the coastlines of the new reclamation around the HKCEC and at North Point. The new seawalls are expected to provide large area of hard substrata for settlement and recruitment of intertidal fauna similar to those previously recorded from existing intertidal habitats.</p>	Work site / during construction phase	Contractor		√			EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.

\*Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Appendix 3.1

**Table A13.7 Implementation Schedule for Landscape and Visual**

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
<i>For the Whole Project</i>								
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
<i>For DP1 – CWB (Within the Project Boundary)</i>								
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
<i>For DP2 – WDII Major Roads (Road P2)</i>								
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
<i>For DP3 – Reclamation Works</i>								
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
<i>For DP5 – Wan Chai East Sewage Outfall</i>								
Refer to EIA-058/2001 Table 10.13	CM2 Minimisation of works areas.	Work site / During Construction Phase	Contractor		√			EIAO TM
Refer to EIA-058/2001 Table 10.13	CM3 Erection of decorative hoardings.	Work site / During Construction Phase	Contractor		√			EIAO TM

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Refer to EIA-058/2001 Table 10.13	CM4 Control night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Refer to EIA-058/2001 Table 10.13	CM5 Minimisation of disruption to public by effective programming of the works.	Work site / During Construction Phase	Contractor		√			EIAO TM
<b>For DP6 – Cross-Harbour Water Mains from Wan Chai to Tsim Sha Tsui</b>								
Refer to EIA-058/2001 Table 10.13	CM2 Minimisation of works areas.	Work site / During Construction Phase	Contractor		√			EIAO TM
Refer to EIA-058/2001 Table 10.13	CM3 Erection of decorative hoardings.	Work site / During Construction Phase	Contractor		√			EIAO TM
Refer to EIA-058/2001 Table 10.13	CM4 Control night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Refer to EIA-058/2001 Table 10.13	CM5 Minimisation of disruption to public by effective programming of the works.	Work site / During Construction Phase	Contractor		√			EIAO TM
<b>Operation Phase</b>								
<b>For the Whole Project - Schedule 3 DP</b>								
Table 10.6, Figure 10.5.1-10.5.5	OM1 Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	CEDD/HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM2 Shrub and Climbing Plants to soften proposed structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD	√	√	√		ETWB TCW 2/2004

Appendix 3.1

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Table 10.6, Figure 10.5.1-10.5.5	OM3 Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD/	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM4 Aesthetic design of proposed waterfront promenade.	Work site / During Design Stage and Operation Phases	CEDD <sup>4</sup>	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5 Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	CEDD/HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6 Aesthetic design of roadside amenity areas.	Work site / During Design Stage and Operation Phases	CEDD/HyD	√	√	√		ETWB TCW 2/2004
<b>For DP1 – CWB (Within the Project Boundary)</b>								
Table 10.6, Figure 10.5.1-10.5.5	OM1 Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM2 Shrub and Climbing Plants to soften proposed structures	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM3 Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5 Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6 Aesthetic design of roadside amenity areas.	Work site / During Design Stage and Operation Phases	HyD	√	√	√		ETWB TCW 2/2004
<b>For DP2 – WDII Major Roads (Road P2)</b>								

<sup>4</sup> CEDD will identify an implementation agent

Appendix 3.1



EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Table 10.6, Figure 10.5.1-10.5.5	OM1 Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM3 Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5 Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6 Aesthetic design of roadside amenity areas	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
<b>For DP3 – Reclamation Works</b>								
Table 10.6, Figure 10.5.1-10.5.5	OM4 Aesthetic design of proposed waterfront promenade.	Work site / During Design Stage and Operation Phases	CEDD <sup>5</sup>	√	√	√		ETWB TCW 2/2004

\*Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

<sup>5</sup> CEDD will identify an implementation agent



***Appendix 4.1***

***Action and Limit Level***

**Action and Limit Level***Action and Limit Level for Noise Monitoring*

Time Period	Action Level	Limit Level
07:00 – 19:00 hours on normal weekdays	When one documented complaint is received.	75 dB(A) <sup>Note 1</sup>

Note 1:

- 70dB(A) and 65 dB(A) for schools during normal teaching periods and school examination periods, respectively.
- If works are to be carried out during the restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

*Action and Limit Level for Air Monitoring*

Monitoring Location	1-hour TSP Level in $\mu\text{g}/\text{m}^3$		24-hour TSP Level in $\mu\text{g}/\text{m}^3$	
	Action Level	Limit Level	Action Level	Limit Level
CMA1b <sup>Note 2</sup>	320.1	500	176.7	260
CMA2a	323.4	500	169.5	260
CMA3a <sup>Note 2</sup>	311.3	500	171.0	260
CMA4a	312.5	500	171.2	260
CMA5a <sup>Note 2</sup>	332.0	500	181.0	260
CMA6a <sup>Note 2</sup>	300.1	500	187.3	260

Note 2:

- As per facing owner's rejection in allowing the implementation of long-term air quality impact monitoring at their premises, alternative monitoring stations and justification were proposed for IEC verification and EPD approval.
- The established Action and Limit Levels from the baseline air monitoring will be adopted to the alternative monitoring stations.

*Action and Limit Level for Water Monitoring*

Parameters	Dry Season		Wet Season	
	Action	Limit	Action	Limit
<b>WSD Salt Water Intake</b>				
SS in $\text{mg L}^{-1}$	13.00	14.43	16.26	19.74
Turbidity in NTU	8.04	9.49	10.01	11.54
DO in mg/L	3.66	3.28	3.17	2.63
<b>Cooling Water Intake</b>				
SS in $\text{mg L}^{-1}$	15.00	22.13	18.42	27.54
Turbidity in NTU	9.10	10.25	11.35	12.71
DO in mg/L	3.36	2.73	3.02	2.44

Remarks:

- Action and Limit Level for the wet season are applied after the EPD approval of Updated EM&A Manual on 29 April 2011.



***Appendix 4.2***

***Copies of Calibration Certificates***



# Calibration Certificate

Certificate No. 06680

Page 1 of 4 Pages

Customer : Lam Geotechnics Limited

Address : 11/F, Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong.

Order No. : Q02553

Date of receipt : 18-Nov-10

## Item Tested

Description : Precision Integrating Sound Level Meter

Manufacturer : ACO

Model : Type 6224

Serial No. : 050112

## Test Conditions

Date of Test : 19-Nov-10

Supply Voltage : --

Ambient Temperature : (23 ± 3)°C

Relative Humidity : (50 ± 25) %

## Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

## Test Results

All results were within the IEC 651 Type 1 & 804 Type I Specification.

The results are shown in the attached page(s).

Main Test equipment used:

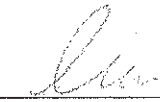
Equipment No.	Description	Cert. No.	Traceable to
S017A	Multi-Function Generator	00804	SCL-HKSAR
S024	Sound Level Calibrator	04062	NIM-PRC & SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

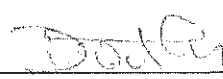
The test equipment used for calibration are traceable to International System of Units (SI).

The test results apply to the above Unit-Under-Test only

Calibrated by :

  
P. F. Wong

Approved by :

  
Dorothy Cheuk

Date: 23-Nov-10

This Certificate is issued by:

Hong Kong Calibration Ltd.

Unit 86, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.

Tel: 2425 8801 Fax: 2425 8646

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# Calibration Certificate

Certificate No. 06680

Page 2 of 4 Pages

Results :

## 1. SPL Accuracy

UUT Setting			Applied Value (dB)	UUT Reading (dB)
Level Range (dB)	Weight	Time Const.		
20 - 100	L <sub>A</sub>	Fast	94.0	94.3
		Slow		94.3
	L <sub>C</sub>	Fast		94.3
30 - 120	L <sub>A</sub>	Fast	94.0	94.4
		Slow		94.4
	L <sub>C</sub>	Fast		94.4
30 - 120	L <sub>A</sub>	Fast	114.0	94.3
		Slow		94.3
	L <sub>C</sub>	Fast		94.3

IEC 651 Type 1 Spec. :  $\pm 0.7$  dB

Uncertainty :  $\pm 0.1$  dB

## 2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. :  $\pm 0.3$  dB

Uncertainty :  $\pm 0.01$  dB

## 3. Linearity

### 3.1 Level Linearity

UUT Range (dB)	Applied Value (dB)	UUT Rdg. (dB)	Variation (dB)	IEC 651 Type 1 Spec. (Primary Indicator Range)
140	114.0	114.5	+0.1	$\pm 0.7$ dB
130	104.0	104.4	0.0	
120	94.0	94.4 (Ref.)	--	
110	84.0	84.1	-0.3	
100	74.0	74.2	-0.2	
90	64.0	64.1	-0.3	
80	54.0	54.1	-0.3	

Uncertainty :  $\pm 0.1$  dB



# Calibration Certificate

Certificate No. 06680

Page 3 of 4 Pages

## 3.2 Differential level linearity

UUT Range (dB)	Applied Value (dB)	UUT Rdg (dB)	Variation (dB)	IEC 651 Type 1 Spec.
120	84.0	84.1	-0.3	± 0.4
	94.0	94.4 (Ref.)	--	
	95.0	95.4	0.0	± 0.2

Uncertainty : ± 0.1 dB

## 4. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	-39.3	- 39.4 dB, ± 1.5 dB
63 Hz	-26.2	- 26.2 dB, ± 1.5 dB
125 Hz	-16.1	- 16.1 dB, ± 1 dB
250 Hz	-8.7	- 8.6 dB, ± 1 dB
500 Hz	-3.3	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref)	0 dB, ± 1 dB
2 kHz	+1.3	+ 1.2 dB, ± 1 dB
4 kHz	+0.9	+ 1.0 dB, ± 1 dB
8 kHz	-1.2	- 1.1 dB, + 1.5 dB ~ -3 dB
16 kHz	-5.8	- 6.6 dB, + 3 dB ~ - ∞

Uncertainty : ± 0.1 dB



# Calibration Certificate

Certificate No. 06680

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## 4. Time Averaging

Applied Burst duty Factor	Applied Leq Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	40.0	40.0	--
1/10	40.0	39.9	± 0.5 dB
1/10 <sup>2</sup>	40.0	39.9	
1/10 <sup>3</sup>	40.0	40.3	± 1.0 dB
1/10 <sup>4</sup>	40.0	40.3	

Uncertainty : ± 0.1 dB

Remark : 1. UUT : Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure : 1 009 hPa.

-----END-----





# Calibration Certificate

Certificate No. 06681

Page 1 of 2 Pages

Customer : Lam Geotechnics Limited

Address : 11/F, Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong.

Order No. : Q02553

Date of receipt : 18-Nov-10

## Item Tested

Description : Sound Level Calibrator (EL469)

Manufacturer : ACO

Model : --

Serial No. : 050213

## Test Conditions

Date of Test : 19-Nov-10

Supply Voltage : --

Ambient Temperature : (23 ± 3)°C

Relative Humidity : (50 ± 25) %

## Test Specifications

Calibration check.

Ref. Document/Procedure: F21, Z02.

## Test Results

All results were within the IEC 942 Class 1 specification.

The results are shown in the attached page(s).

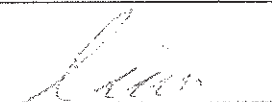
Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S014	Spectrum Analyzer	03926	NIM-PRC & SCL-HKSAR
S024	Sound Level Calibrator	04062	NIM-PRC & SCL-HKSAR
S041	Universal Counter	04461	SCL-HKSAR
S206	Sound Level Meter	04462	SCL-HKSAR


The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).  
The test results apply to the above Unit-Under-Test only

Calibrated by :

  
P. F. Wong

Approved by :

  
Dorothy Cheuk

Date: 23-Nov-10

This Certificate is issued by:  
Hong Kong Calibration Ltd.  
Unit 6B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.  
Tel: 2425 8801 Fax: 2425 8646



# Calibration Certificate

Certificate No. 06681

Page 2 of 2 Pages

Results :

## 1. Level

UUT Nominal Value (dB)	Measured Value (dB)	IEC 942 Class 1 Spec.
94	94.22	$\pm 0.3$ dB

The above measured values are the mean of 3 measurements.

Uncertainty :  $\pm 0.1$  dB

## 2. Frequency

UUT Nominal Value	Measured Value	IEC 942 Class 1 Spec.
1 kHz	0.9834 kHz	$\pm 2$ %

Uncertainty ;  $\pm 3.6 \times 10^{-6}$

## 3. Level Stability : 0.0 dB

IEC 942 Class 1 Spec. :  $\pm 0.1$  dB

Uncertainty :  $\pm 0.01$  dB

## 4. Total Harmonic Distortion : $< 0.2$ %

IEC 942 Class 1 Spec. :  $< 3$  %

Uncertainty :  $\pm 2.3$  % of reading

Remark : 1. UUT : Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure : 1 009 hPa.

-----END-----



# Calibration Certificate

Certificate No. **03250A**

Page 1 of 3 Pages

**Customer :** Lam Geotechnics Limited

**Address :** 11/F., Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong

**Order No. :** Q01282

**Date of receipt :** 14-Jun-10

## Item Tested

**Description :** Precision Integrating Sound Level Meter

**Manufacturer :** ONO SOKKI

**Model :** LA-5110

**Serial No. :** 72302293

## Test Conditions

**Date of Test :** 21-Jun-10

**Supply Voltage :** -

**Ambient Temperature :**  $(23 \pm 3)^{\circ}\text{C}$

**Relative Humidity :**  $(50 \pm 25) \%$

## Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

## Test Results

All results were within the IEC 651 Type 1 & IEC 804 Class 1 specification.

The results are shown in the attached page(s).

Main Test equipment used:

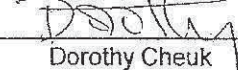
<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S017	Multi-Function Generator	C101623	SCL-HKSAR
S024	Sound Level Calibrator	93758	NIM-PRC & SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).

The test results apply to the above Unit-Under-Test only

**Calibrated by :**   
P. F. Wong

**Approved by :**   
Dorothy Cheuk

**Date:** 8-Oct-10

This Certificate is issued by:

Hong Kong Calibration Ltd.

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.

Tel: 2425 8801 Fax: 2425 8646

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# Calibration Certificate

Certificate No. 03250A

Page 2 of 3 Pages

Results :

## 1. SPL Accuracy

UUT Setting		Frequency Weighting	Dynamic Characteristic	Applied Value (dB)	UUT Reading (dB)
Level Range	Filter				
40 - 100 dB	OFF	A	FAST	94.03	94.0
			SLOW		94.0
		C	FAST		94.0
60 - 120 dB	OFF	A	FAST	94.03	94.0
			SLOW		94.0
		C	FAST		94.0
60 - 120 dB	OFF	A	FAST	113.97	113.9
			SLOW		113.9
		C	FAST		113.9

IEC 651 Type 1 Spec. :  $\pm 0.7$  dB

Uncertainty :  $\pm 0.1$  dB

## 2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. :  $\pm 0.3$  dB

Uncertainty :  $\pm 0.01$  dB

## 3. Linearity

### 3.1 Level Linearity

UUT Range (dB)	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec. (Primary Indicator Range)
130	114.0	114.1	+0.1	$\pm 0.7$ dB
130	104.0	104.1	+0.1	
120	94.0	94.0 (Ref.)	--	
110	84.0	84.0	0.0	
100	74.0	74.1	+0.1	
90	64.0	64.1	+0.1	
80	54.0	54.0	0.0	

Uncertainty :  $\pm 0.1$  dB



# Calibration Certificate

Certificate No. 03250A

Page 3 of 3 Pages

### 3.2 Differential level linearity

UUT Range (dB)	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec.
120	84.0	84.0	0.0	± 0.4
	94.0	94.0 (Ref.)	--	
	95.0	95.0	0.0	± 0.2

Uncertainty : ± 0.1 dB

### 4. Frequency Weighting A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	-40.5	- 39.4 dB, ± 1.5 dB
63 Hz	-26.9	- 26.2 dB, ± 1.5 dB
125 Hz	-16.9	- 16.1 dB, ± 1 dB
250 Hz	-9.1	- 8.6 dB, ± 1 dB
500 Hz	-3.5	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref.)	0 dB, ± 1 dB
2 kHz	+1.5	+ 1.2 dB, ± 1 dB
5 kHz	+1.2	+ 1.0 dB, ± 1 dB
8 kHz	-1.0	- 1.1 dB, + 1.5 dB ~ - 3 dB
16 kHz	-7.0	- 6.6 dB, + 3 dB ~ ∞

Uncertainty : ± 0.1 dB

### 5. Time Averaging

Applied Burst duty Factor	Applied Leq Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	40.0	40.0	--
1/10	40.0	40.0	± 0.5 dB
1/10 <sup>2</sup>	40.0	40.0	
1/10 <sup>3</sup>	40.0	40.1	± 1.0 dB
1/10 <sup>4</sup>	40.0	39.9	

Uncertainty : ± 0.1 dB

- Remarks :
1. UUT : Unit-Under-Test
  2. The uncertainty claimed is for a confidence probability of not less than 95%.
  3. Atmospheric Pressure : 1 000 hPa.
  4. This certificate is supersede our former certificate no. 03250.

----- END -----



# Calibration Certificate

Certificate No. 03445

Page 1 of 2 Pages

Customer : Lam Geotechnics Limited

Address : 11/F., Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong

Order No. : Q01282

Date of receipt : 14-Jun-10

## Item Tested

Description : Sound Level Calibrator (EL078)

Manufacturer : ONO SOKKI

Model : SC-2110

Serial No. : 00393

## Test Conditions

Date of Test : 21-Jun-10

Supply Voltage : --

Ambient Temperature : (23 ± 3)°C

Relative Humidity : (50 ± 25) %

## Test Specifications

Calibration check.

Ref. Document/Procedure: Z02.

## Test Results

All results were within the IEC 942 Class 2 specification.

The results are shown in the attached page(s).

Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Due Date</u>	<u>Traceable to</u>
S024	Sound Level Calibrator	93758	16-Jul-10	NIM-PRC & SCL-HKSAR
S041	Universal Counter	94005	6-Aug-10	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).  
The test results apply to the above Unit-Under-Test only.

Calibrated by :   
P. F. Wong

Approved by :   
Dorothy Cheuk

Date: 25-Jun-10



# Calibration Certificate

Certificate No. 03445

Page 2 of 2 Pages

Results :

**1. Level Accuracy (at 1 kHz)**

UUT Nominal Value (dB)	Measured Value (dB)	IEC 942 Class 2 Spec.
94	94.05	$\pm 0.5$ dB

Uncertainty :  $\pm 0.2$  dB

**2. Frequency Accuracy**

UUT Nominal Value (kHz)	Measured Value (kHz)	IEC 942 Class 2 Spec.
1	0.998	$\pm 4$ %

Uncertainty :  $\pm 0.1$  %

**3. Level Stability : 0.0 dB**

IEC 942 Class 2 Spec. :  $\pm 1.2$  dB

Uncertainty :  $\pm 0.01$  dB

**4. Total Harmonic Distortion :  $< 1.2$  %**

IEC 942 Class 1 Spec. :  $< 3$  %

Uncertainty :  $\pm 2.3$  % of reading

Remark : 1. UUT : Unit-Under-Test

2. The above measured values are the mean of 3 measurements.

3. The uncertainty claimed is for a confidence probability of not less than 95%.

4. Atmospheric Pressure : 1 000 hPa.

----- END -----



# Calibration Certificate

Certificate No. 12888

Page 1 of 4 Pages

Customer : Lam Geotechnics Limited

Address : 11/F., Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong

Order No. : Q10982

Date of receipt : 25-May-11

## Item Tested

Description : Precision Integrating Sound Level Meter

Manufacturer : Rion

Model : NL-14

Serial No. : 10303242

## Test Conditions

Date of Test : 26-May-11

Supply Voltage : --

Ambient Temperature :  $(23 \pm 3)^{\circ}\text{C}$

Relative Humidity :  $(50 \pm 25)\%$

## Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

## Test Results

All results were within the IEC 651 Type 1 or IEC 804 Type 1 specification after adjustment.

The results are shown in the attached page(s).

Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S017	Multi-Function Generator	C101623	SCL-HKSAR
S024	Sound Level Calibrator	04062	NIM-PRC & SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).

The test results apply to the above Unit-Under-Test only

Calibrated by :   
P. F. Wong

Approved by :   
Alan Chu

Date: 26-May-11





# Calibration Certificate

Certificate No. 12888

Page 2 of 4 Pages

Results :

## 1. SPL Accuracy

Level Range (dB)	UUT Setting			Applied Value (dB)	UUT Reading (dB)	
	Filter	Weight	Time Const.		Before adjust.	After adjust.
40 – 100	OFF	L <sub>p</sub>	Fast	94.00	--	94.1
		L <sub>PA</sub>	Fast		*95.0	94.1
			Slow		--	94.1
		L <sub>PC</sub>	Fast		--	94.1
60 – 120	OFF	L <sub>p</sub>	Fast	94.00	--	94.1
		L <sub>PA</sub>	Fast		--	94.0
			Slow		--	94.0
		L <sub>PC</sub>	Fast		--	94.0
60 – 120	OFF	L <sub>p</sub>	Fast	114.00	--	114.0
		L <sub>PA</sub>	Fast		--	113.9
			Slow		--	113.9
		L <sub>PC</sub>	Fast		--	113.9

IEC 651 Type 1 Spec. :  $\pm 0.7$  dB

Uncertainty :  $\pm 0.2$  dB

## 2. Level Stability : 0.1 dB

IEC 651 Type 1 Spec. :  $\pm 0.3$  dB

Uncertainty :  $\pm 0.01$  dB



# Calibration Certificate

Certificate No. 12888

Page 3 of 4 Pages

## 3. Linearity

### 3.1 Level Linearity

UUT Range (dB)	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec. (Primary Indicator Range)
140	114.0	113.9	-0.1	± 0.7 dB
130	104.0	103.8	-0.2	
120	94.0	94.0 (Ref.)	--	
110	84.0	83.9	-0.1	
100	74.0	74.1	+0.1	
90	64.0	64.1	+0.1	
80	54.0	54.3	+0.3	

Uncertainty : ± 0.1 dB

### 3.2 Differential level linearity

UUT Range (dB)	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec.
120	84.0	84.0	0.0	± 0.4 dB
	94.0	94.0 (Ref.)	--	
	95.0	95.0	0.0	± 0.2 dB

Uncertainty : ± 0.1 dB

## 4. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	-39.0	- 39.4 dB, ± 1.5 dB
63 Hz	-25.9	- 26.2 dB, ± 1.5 dB
125 Hz	-15.9	- 16.1 dB, ± 1 dB
250 Hz	-8.4	- 8.6 dB, ± 1 dB
500 Hz	-3.0	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref)	0 dB, ± 1 dB
2 kHz	+1.3	+ 1.2 dB, ± 1 dB
4 kHz	+0.8	+ 1.0 dB, ± 1 dB
8 kHz	-1.3	- 1.1 dB, + 1.5 dB ~ -3 dB
16 kHz	-7.1	- 6.6 dB, + 3 dB ~ -∞

Uncertainty : ± 0.1 dB



# Calibration Certificate

Certificate No. 12888

Page 4 of 4 Pages

## 5. Time Averaging

Applied Burst duty Factor	Applied Leq Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	40.0	40.0	--
1/10	40.0	39.9	± 0.5 dB
1/10 <sup>2</sup>	40.0	39.6	
1/10 <sup>3</sup>	40.0	39.2	± 1.0 dB
1/10 <sup>4</sup>	40.0	39.4	

Uncertainty : ± 0.1 dB

- Remark : 1. UUT : Unit-Under-Test  
2. The uncertainty claimed is for a confidence probability of not less than 95%.  
3. Atmospheric Pressure : 1 004 hPa.  
4. \*Out of Specification

----- END -----



# Calibration Certificate

Certificate No. 12889

Page 1 of 2 Pages

**Customer :** Lam Geotechnics Limited

**Address :** 11/F., Centre Point, 181-185 Gloucester Road, Wanchai, Hong Kong

**Order No. :** Q10982

**Date of receipt :** 25-May-11

## Item Tested

**Description :** Sound Level Calibrator

**Manufacturer :** Rion

**Model :** NC-73

**Serial No. :** 10465798

## Test Conditions

**Date of Test :** 26-May-11

**Ambient Temperature :** (23 ± 3)°C

**Supply Voltage :** --

**Relative Humidity :** (50 ± 25) %

## Test Specifications

Calibration check.

Ref. Document/Procedure : F21, Z02.

## Test Results

All results were within the manufacturer's specification after adjustment.

The results are shown in the attached page(s).

Main Test equipment used:

<u>Equipment No.</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Traceable to</u>
S014	Spectrum Analyzer	03926	NIM-PRC & SCL-HKSAR
S024	Sound Level Calibrator	04062	NIM-PRC & SCL-HKSAR
S041	Universal Counter	04461	SCL-HKSAR
S206	Sound Level Meter	04462	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).

The test results apply to the above Unit-Under-Test only

Calibrated by :

  
P. F. Wong

Approved by :

  
Alan Chu

Date: 26-May-11

This Certificate is issued by:

Hong Kong Calibration Ltd.

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.

Tel: 2425 8801 Fax: 2425 8646

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# Calibration Certificate

Certificate No. 12889

Page 2 of 2 Pages

Results :

## 1. Level Accuracy (at 1 kHz)

UUT Nominal Value	Measured Value		Mfr's Spec.
	Before Adjust.	After Adjust.	
94 dB	*95.20 dB	93.94 dB	± 1 dB

Uncertainty : ± 0.2 dB

## 2. Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's Spec.
1 kHz	0.994 kHz	± 2 %

Uncertainty : ± 0.1 %

## 3. Level Stability : 0.0 dB

Uncertainty : ± 0.01 dB

## 4. Total Harmonic Distortion : < 0.5 %

Mfr's Spec. : < 3 %

Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. The above measured values are the mean of 3 measurement.

4. Atmospheric Pressure : 1 004 hPa

5. \*Out of Specification

----- END -----

**CERTIFICATE OF CALIBRATION**

Certificate No. : 2KS100612-7

Page 1 of 2

**Calibration of :**

<b>Description :</b>	Sound Level Meter	,	Microphone
<b>Manufacture :</b>	Brüel & Kjær		
<b>Type No. :</b>	2250	,	4950
<b>Serial No. :</b>	2722310		2698702

**Client :**

Lam Geotechnics Limited  
11/F, Centre Point  
181-185 Gloucester Road  
Wanchai  
Hong Kong

**Calibration Conditions :**

<b>Air Temperature :</b>	23	°C
<b>Air Pressure :</b>	101.9	kPa
<b>Relative Humidity :</b>	62	%

**Test Specifications :**

The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.

The measurements has been performed with the assistance of :  
Brüel & Kjær's Sound Level Meter Calibration System B&K 9600 CAL2238A, Ver.25.10.1999  
The standard(s) and instrument(s) used in the calibration are traceable to international standard and are calibrated on a schedule which is adjusted to maintain the required accuracy level.

**Test Result :**

A list of the performed (sub) tests is stated on page 2 of this certificate. Actual Measurement are documented on worksheet.

Date of Calibration : 22 July, 2010

Certificate issued : 22 July, 2010

Calibrated By :

Approved signatory :

  
Dai Bin  
Jacky Leung

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## CERTIFICATE OF CALIBRATION

Certificate No. : 2KS100612-7

Page 2 of 2

### Results :

List of performed (sub) test with test status:

“OK” Means the result of the (sub)test is Inside the tolerances stated in the test specifications.

“ - ” Means the result of the (sub)test is Outside these tolerances.

Test :	Subtest :	Status :
Noise	A	OK
Noise	C	OK
Noise	Lin	OK
Frequency Weighting	A	OK
Frequency Weighting	C	OK
Frequency Weighting	Lin	OK
Level Range Control	1000 Hz	OK
Linearity Range	SPL 10dB 4000 Hz	OK
Linearity Range	SPL 1dB 1000 Hz	OK
Linearity Range	Leq	OK
Linearity Range	SEL	OK
RMS Detector	CF 3	OK
RMS Detector	CF 5	OK
RMS Detector	CF 10	OK
RMS Detector	Symmetry	OK
Time Weighting	Difference Indication	OK
Time Weighting	Single Burst FAST	OK
Time Weighting	Single Burst SLOW	OK
Time Weighting	Single Burst IMPULSE	OK
Time Weighting	Repetitive Burst	OK
Time Weighting	Peak	OK
Time Averaging		OK
Pulse Range		OK
Overload	SPL	OK
Overload	SEL	OK
Acoustic Response	A	OK
Acoustic Response	Lin	OK

### Calibration Equipment :

Description :	Make & Model :	Serial No. :	Last Cal. Date :	Traceable to:
Brüel & Kjær's Sound Level Meter Calibration System	B&K 9600	CAL2238A	Ver.25.10.1999	
Digital Multi-meter	Datron 1281	27361	30 Sept, 2009	HKSCS (HOKLAS)
Sine/Noise Generator	B&K 1049	1314978	Test	B&K Conformance
Test Waveform Generator	B&K 5918	1482949	Test	B&K Conformance
Acoustical Calibrator	B&K 4226	1843103	11 Aug 2009	NPL via B&K (DANAK)

Calibrated By : *Dar R M*  
Date : 22 July 2010

Checked By : *[Signature]*  
Date : 22 July, 2010

**CERTIFICATE OF CALIBRATION**

Certificate No. : 2KS100705-2

Page 1 of 2

**Calibration of :**

<b>Description</b> :	Sound Level Meter	,	Microphone
<b>Manufacture</b> :	Brüel & Kjær		
<b>Type No.</b> :	2250	,	4950
<b>Serial No.</b> :	2722311		2698703

**Client :**

Lam Geotechnics Limited  
11/F, Centre Point  
181-185 Gloucester Road  
Wanchai  
Hong Kong

**Calibration Conditions :**

<b>Air Temperature</b> :	23	°C
<b>Air Pressure</b> :	101.9	kPa
<b>Relative Humidity</b> :	62	%

**Test Specifications :**

The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.

The measurements has been performed with the assistance of :  
Brüel & Kjær's Sound Level Meter Calibration System B&K 9600 CAL2238A, Ver.25.10.1999  
The standard(s) and instrument(s) used in the calibration are traceable to international standard and are calibrated on a schedule which is adjusted to maintain the required accuracy level.

**Test Result :**

A list of the performed (sub) tests is stated on page 2 of this certificate. Actual Measurement are documented on worksheet.

Date of Calibration : 03 Aug, 2010

Certificate issued : 03 Aug, 2010

Calibrated By :

Approved signatory :

  
Dai Bin  
Jacky Leung

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## CERTIFICATE OF CALIBRATION

**Certificate No. :** 2KS100705-2

**Page 2 of 2**

**Results :**

List of performed (sub) test with test status:

“OK” Means the result of the (sub)test is Inside the tolerances stated in the test specifications.

“ - ” Means the result of the (sub)test is Outside these tolerances.

<b>Test :</b>	<b>Subtest :</b>	<b>Status :</b>
Noise	A	OK
Noise	C	OK
Noise	Lin	OK
Frequency Weighting	A	OK
Frequency Weighting	C	OK
Frequency Weighting	Lin	OK
Level Range Control	1000 Hz	OK
Linearity Range	SPL 10dB 4000 Hz	OK
Linearity Range	SPL 1dB 1000 Hz	OK
Linearity Range	Leq	OK
Linearity Range	SEL	OK
RMS Detector	CF 3	OK
RMS Detector	CF 5	OK
RMS Detector	CF 10	OK
RMS Detector	Symmetry	OK
Time Weighting	Difference Indication	OK
Time Weighting	Single Burst FAST	OK
Time Weighting	Single Burst SLOW	OK
Time Weighting	Single Burst IMPULSE	OK
Time Weighting	Repetitive Burst	OK
Time Weighting	Peak	OK
Time Averaging		OK
Pulse Range		OK
Overload	SPL	OK
Overload	SEL	OK
Acoustic Response	A	OK
Acoustic Response	Lin	OK

**Calibration Equipment :**

Brüel & Kjær's Sound Level Meter Calibration System B&K 9600 CAL2238A, Ver.25.10.1999

<b>Description :</b>	<b>Make &amp; Model :</b>	<b>Serial No. :</b>	<b>Last Cal. Date :</b>	<b>Traceable to:</b>
Digital Multi-meter	Datron 1281	27361	30 Sept, 2009	HKSCS (HOKLAS)
Sine/Noise Generator	B&K 1049	1314978	Test	B&K Conformance
Test Waveform Generator	B&K 5918	1482949	Test	B&K Conformance
Acoustical Calibrator	B&K 4226	1843103	11 Aug 2009	NPL via B&K (DANAK)

Calibrated By : *Dai Bm*  
Date : 03 Aug 2010

Checked By : *Janly*  
Date : 03 Aug, 2010



# ALS Technichem (HK) Pty Ltd

## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** MS CHERRY MAK  
**CLIENT:** LAM GEOTECHNICS LIMITED  
**ADDRESS:** 11/F., CENTRE POINT,  
181-185 GLOUCESTER ROAD,  
WAN CHAI,  
HONG KONG.

**WORK ORDER:** HK1107641  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 04/04/2011  
**DATE OF ISSUE:** 08/04/2011

**PROJECT:** --

### COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.  
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

**Scope of Test:** Dissolved Oxygen, Salinity and Temperature  
**Description:** Sonde  
**Brand Name:** YSI  
**Model No.:** YSI 600XL  
**Serial No.:** 05C1607  
**Equipment No.:** EL424  
**Date of Calibration:** 06 April, 2011

### NOTES


This is the Final Report and supersedes any preliminary report with this batch number.  
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

### ISSUING LABORATORY: HONG KONG

#### **Address**

ALS Technichem (HK) Pty Ltd  
11/F Chung Shun Knitting Centre  
1-3 Wing Yip Street  
Kwai Chung  
HONG KONG


**Phone:** 852-2610 1044  
**Fax:** 852-2610 2021  
**Email:** [hongkong@alsglobal.com](mailto:hongkong@alsglobal.com)

  
Mr. Chan Kwok Fai, Godfrey  
Laboratory Manager - Hong Kong

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# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**Work Order:** HK1107641  
**Date of Issue:** 08/04/2011  
**Client:** LAM GEOTECHNICS LIMITED  
**Reference:** --



**Description:** Sonde  
**Brand Name:** YSI  
**Model No.:** YSI 600XL  
**Serial No.:** 05C1607  
**Equipment No.:** EL424  
**Date of Calibration:** 06 April, 2011

**Date of next Calibration:** 06 July, 2011

**Parameters:**

**Temperature**

**Method Ref:** Section 6 of International Accreditation New Zealand Technical  
**Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.**

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
16.0	16.1	0.1
23.0	22.5	-0.6
39.5	39.5	0.0
Tolerance Limit (°C)		2.0

**Dissolved Oxygen**

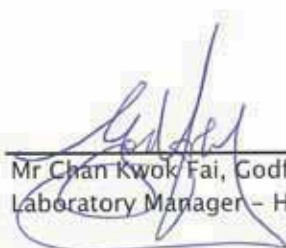
**Method Ref:** APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
4.88	4.94	0.06
6.06	5.90	-0.16
8.23	8.40	0.17
Tolerance Limit (±mg/L)		0.20

**Salinity**

**Method Ref:** APHA (21st edition), 2520B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0.0	0.20	--
10.0	9.96	-0.4
20.0	19.98	-0.1
30.0	30.05	0.2
Tolerance Limit (±%)		10.0

  
 Mr Chan Kwok Fai, Godfrey  
 Laboratory Manager – Hong Kong



## ALS Technichem (HK) Pty Ltd

### REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** MS CHERRY MAK  
**CLIENT:** LAM GEOTECHNICS LIMITED  
**ADDRESS:** 11/F., CENTRE POINT,  
181-185 GLOUCESTER ROAD,  
WAN CHAI,  
HONG KONG.

**WORK ORDER:** HK1107886  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 07/04/2011  
**DATE OF ISSUE:** 09/04/2011

**PROJECT:** --

#### COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

**Scope of Test:** pH, Dissolved Oxygen, Salinity and Temperature  
**Description:** Sonde  
**Brand Name:** YSI  
**Model No.:** YSI Professional Plus  
**Serial No.:** 10E100385  
**Equipment No.:** N/A  
**Date of Calibration:** 08 April, 2011

#### NOTES


This is the Final Report and supersedes any preliminary report with this batch number. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

#### ISSUING LABORATORY: HONG KONG

##### Address

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Laboratory Manager - Hong Kong

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# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1107886  
 Date of Issue: 09/04/2011  
 Client: LAM GEOTECHNICS LIMITED  
 Reference: --



Description: Sonde  
 Brand Name: YSI  
 Model No.: YSI Professional Plus  
 Serial No.: 10E100385  
 Equipment No.: N/A  
 Date of Calibration: 08 April, 2011

Date of next Calibration: 08 July, 2011

## Parameters:

### Temperature

Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
16.0	15.0	-1.0
23.5	22.8	-0.7
30.7	30.0	-0.7
	Tolerance Limit (°C)	2.0

### pH Value

Method Ref: ALPHA (21st edition), 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.04	0.04
7.0	6.93	-0.07
10.0	9.85	-0.15
	Tolerance Limit (±unit)	0.2

### Dissolved Oxygen

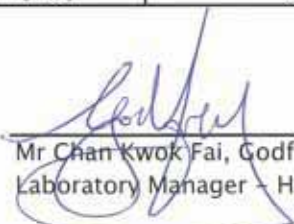
Method Ref: APHA (21st edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
6.76	6.90	0.14
7.97	8.06	0.09
8.76	8.76	0.00
	Tolerance Limit (±mg/L)	0.20

### Salinity

Method Ref: APHA (21st edition), 2520B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0.0	0.00	--
10.0	10.25	2.5
20.0	20.15	0.7
30.0	30.48	1.6
	Tolerance Limit (±%)	10.0

  
 Mr Chan Kwok Fai, Godfrey  
 Laboratory Manager - Hong Kong



# ALS Technichem (HK) Pty Ltd

## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** MS CHERRY MAK  
**CLIENT:** LAM GEOTECHNICS LIMITED  
**ADDRESS:** 11/F., CENTRE POINT,  
181-185 GLOUCESTER ROAD,  
WAN CHAI, HONG KONG

**WORK ORDER:** HK1111265  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 18/05/2011  
**DATE OF ISSUE:** 24/05/2011

**PROJECT:** --

### COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

**Scope of Test:** Turbidity  
**Description:** Turbidimeter  
**Brand Name:** HACH  
**Model No.:** 2100P  
**Serial No.:** 0300800032283  
**Equipment No.:** --  
**Date of Calibration:** 24 May, 2011

### NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

### ISSUING LABORATORY: HONG KONG

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Mr. Chan Kwok Fai, Godfrey  
Laboratory Manager - Hong Kong

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# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1111265  
Date of Issue: 24/05/2011  
Client: LAM GEOTECHNICS LIMITED



Description: Turbidimeter  
Brand Name: HACH  
Model No.: 2100P  
Serial No.: 0300800032283  
Equipment No.: --  
Date of Calibration: 24 May, 2011


Date of next Calibration: 24 August, 2011

## Parameters:

### Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0.0	0.0	--
4.0	3.9	-3.0
40.0	40.3	0.7
80.0	87.9	9.9
400.0	421.0	5.3
800.0	861.0	7.6
	Tolerance Limit ( $\pm\%$ )	10.0

  
Mr Chan Kwok Fai, Godfrey  
Laboratory Manager - Hong Kong



# ALS Technichem (HK) Pty Ltd

## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** MS CHERRY MAK  
**CLIENT:** LAM GEOTECHNICS LIMITED  
**ADDRESS:** 11/F., CENTRE POINT,  
181-185 GLOUCESTER ROAD,  
WAN CHAI, HONG KONG

**WORK ORDER:** HK1110550  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 11/05/2011  
**DATE OF ISSUE:** 20/05/2011

**PROJECT:** --

### COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.  
Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of ALS will be followed.

**Scope of Test:** Turbidity  
**Description:** Turbidimeter  
**Brand Name:** HACH  
**Model No.:** 2100P  
**Serial No.:** 1000032935  
**Equipment No.:** EN06  
**Date of Calibration:** 20 May, 2011

### NOTES

This is the Final Report and supersedes any preliminary report with this batch number.  
Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

### ISSUING LABORATORY: HONG KONG

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# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: HK1110550  
Date of Issue: 20/05/2011  
Client: LAM GEOTECHNICS LIMITED



Description: Turbidimeter  
Brand Name: HACH  
Model No.: 2100P  
Serial No.: 1000032935  
Equipment No.: EN06  
Date of Calibration: 20 May, 2011

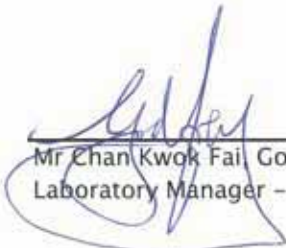
Date of next Calibration: 16 August, 2011

## Parameters:

### Turbidity

Method Ref: APHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0.0	0.0	--
4.0	3.9	-2.0
40.0	36.3	-9.3
80.0	76.0	-5.0
400.0	376.0	-6.0
800.0	778.0	-2.8
	Tolerance Limit ( $\pm\%$ )	10.0

  
Mr Chan Kwok Fai, Godfrey  
Laboratory Manager - Hong Kong



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**AIR POLLUTION MONITORING EQUIPMENT**

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Jun 28, 2010 Rootsmeter S/N 9833620 Ta (K) - 298  
 Operator Tisch Orifice I.D. - 0005 Pa (mm) - 745.49

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER	ORFICE
					DIFF Hg (mm)	DIFF H2O (in.)
1	NA	NA	1.00	1.3860	3.2	2.00
2	NA	NA	1.00	0.9740	6.4	4.00
3	NA	NA	1.00	0.8730	7.9	5.00
4	NA	NA	1.00	0.8320	8.8	5.50
5	NA	NA	1.00	0.6850	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9767	0.7047	1.4006	0.9957	0.7184	0.8941
0.9725	0.9985	1.9808	0.9914	1.0179	1.2645
0.9704	1.1116	2.2146	0.9893	1.1332	1.4137
0.9693	1.1650	2.3227	0.9882	1.1877	1.4828
0.9641	1.4075	2.8013	0.9829	1.4349	1.7883
Qstd slope (m) = 1.99628			Qa slope (m) = 1.25003		
intercept (b) = -0.00699			intercept (b) = -0.00446		
coefficient (r) = 0.99995			coefficient (r) = 0.99995		
y axis = SQRT[H2O(Pa/760) (298/Ta)]			y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

$$Vstd = \text{Diff. Vol} [(Pa - \text{Diff. Hg}) / 760] (298 / Ta)$$

$$Qstd = Vstd / \text{Time}$$

$$Va = \text{Diff Vol} [(Pa - \text{Diff Hg}) / Pa]$$

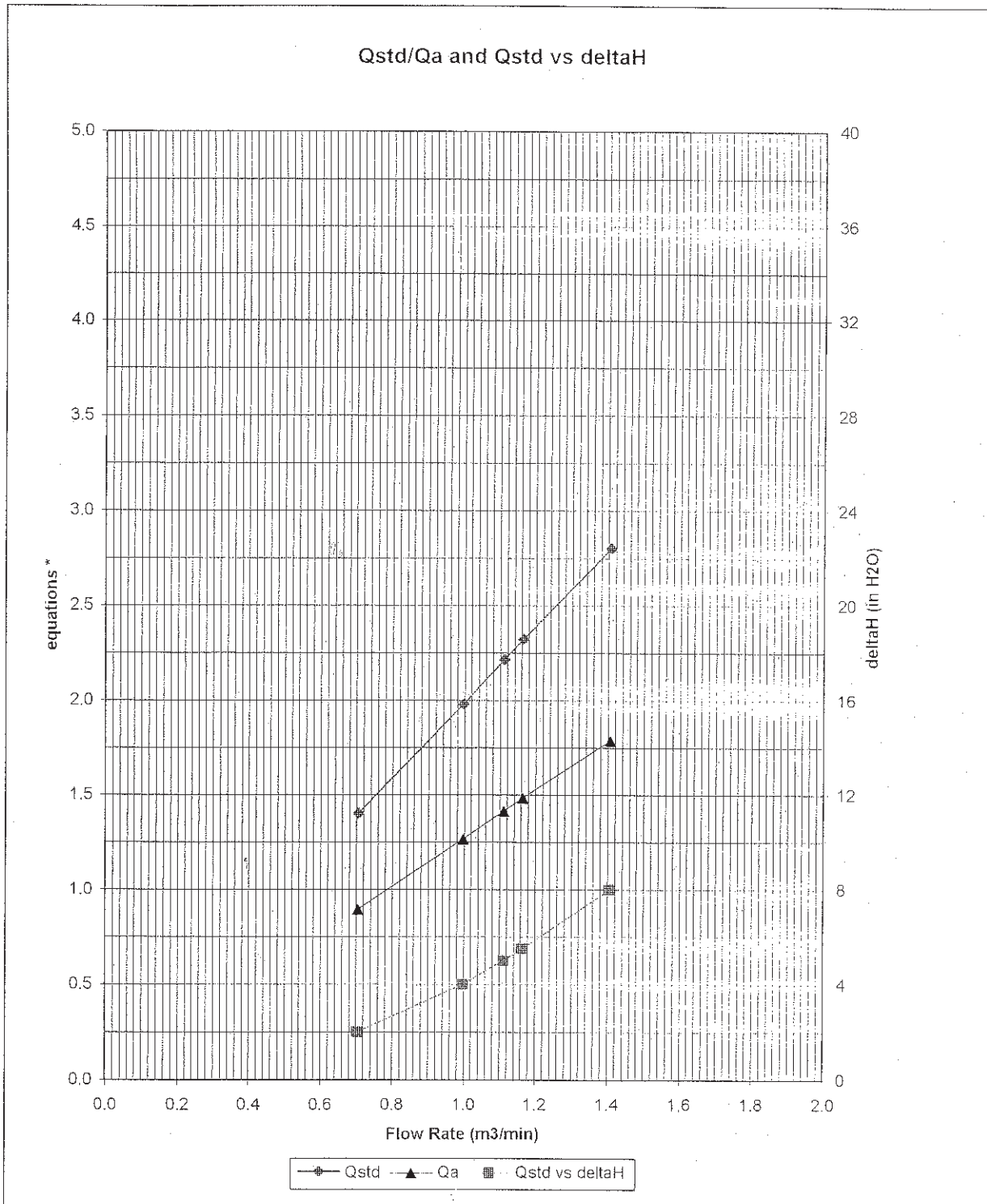
$$Qa = Va / \text{Time}$$

For subsequent flow rate calculations:

$$Qstd = 1/m \{ [\text{SQRT}(\text{H2O}(\text{Pa}/760) (298/\text{Ta}))] - b \}$$

$$Qa = 1/m \{ [\text{SQRT} \text{H2O}(\text{Ta}/\text{Pa})] - b \}$$

AIR POLLUTION MONITORING EQUIPMENT



\* y-axis equations:

Qstd series: 
$$\sqrt{\Delta H \left( \frac{P_a}{P_{std}} \right) \left( \frac{T_{std}}{T_a} \right)}$$

Qa series: 
$$\sqrt{(\Delta H (T_a / P_a))}$$

#0005



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA1b  
 Equipment no. : EL452

Calibration Date : 04-May-11  
 Calibration Due Date : 04-Jul-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.4	6.4	12.8	1.8182	62	63.0259
2	5.0	5.0	10.0	1.6074	53	53.8770
3	3.9	3.9	7.8	1.4199	46	46.7611
4	2.5	2.5	5	1.1373	35	35.5791
5	1.6	1.6	3.2	0.9104	25	25.4137

By Linear Regression of Y on X

Slope, m = 40.9169      Intercept, b = -11.4784

Correlation Coefficient\* = 0.9997

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

<b>Remarks :</b>			
Calibrated by : Derek Lo		Checked by : Cherry Mak	
Date : 04-May-11		Date : 04-May-11	



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA2a  
 Equipment no. : EL449

Calibration Date : 29-Apr-11  
 Calibration Due Date : 29-Jun-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	6.5	6.5	13	1.8324	51	51.8439
2	5.3	5.3	10.6	1.6548	45	45.7446
3	4.1	4.1	8.2	1.4558	38	38.6288
4	2.6	2.6	5.2	1.1598	27	27.4468
5	1.7	1.7	3.4	0.9383	15	15.2482

By Linear Regression of Y on X

Slope, m = 40.1984      Intercept, b = -20.8256

Correlation Coefficient\* = 0.9957

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

<b>Remarks :</b>			
Calibrated by : <u>Derek Lo</u>		Checked by : <u>Cherry Mak</u>	
Date : <u>29-Apr-11</u>		Date : <u>29-Apr-11</u>	



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA3a  
 Equipment no. : EL888

Calibration Date : 04-May-11  
 Calibration Due Date : 04-Jul-11

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	295	Kelvin	Pressure, P <sub>a</sub>
			1009 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	28-Jun-11	$= m_c \times Q_{std} + b_c$			

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.)	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31)
	(up)	(down)	(difference)	X-axis	Y-axis	
1	5.9	5.9	11.8	1.7225	48	48.1410
2	4.7	4.7	9.4	1.5377	42	42.1234
3	3.6	3.6	7.2	1.3461	36	36.1057
4	2.4	2.8	5.2	1.1443	28	28.0822
5	1.6	1.4	3.0	0.8698	14	14.0411

By Linear Regression of Y on X

Slope, m = 39.5583                      Intercept, b = -18.6790

Correlation Coefficient\* = 0.9935

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

**Remarks :**

Calibrated by : Derek Lo  
 Date : 04-May-11

Checked by : Cherry Mak  
 Date : 04-May-11



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA4a  
 Equipment no. : EL390

Calibration Date : 04-May-11  
 Calibration Due Date : 04-Jul-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	293	Kelvin	Pressure, P <sub>a</sub>
			1016 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	6	6	12	1.7490	56	56.5510
2	4.7	4.7	9.4	1.5482	49	49.4821
3	3.7	3.7	7.4	1.3740	42	42.4132
4	2.4	2.4	4.8	1.1071	34	34.3345
5	1.5	1.5	3.0	0.8757	23	23.2263

By Linear Regression of Y on X

Slope, m = 37.3850      Intercept, b = -8.5502

Correlation Coefficient\* = 0.9975

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

**Remarks :**

Calibrated by : Derek Lo  
 Date : 04-May-11

Checked by : Cherry Mak  
 Date : 04-May-11



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA5a  
 Equipment no. : EL380

Calibration Date : 09-Apr-11  
 Calibration Due Date : 09-Jun-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.9	5.9	11.8	1.7459	56	56.9266
2	4.8	4.8	9.6	1.5750	50	50.8273
3	3.7	3.7	7.4	1.3831	44	44.7280
4	2.3	2.3	4.6	1.0910	33	33.5460
5	1.4	1.4	2.8	0.8517	22	22.3640

By Linear Regression of Y on X

Slope, m = 38.1982      Intercept, b = -9.0993

Correlation Coefficient\* = 0.9977

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

<b>Remarks :</b>			
Calibrated by : <u>Derek Lo</u>		Checked by : <u>Cherry Mak</u>	
Date : <u>09-Apr-11</u>		Date : <u>11-Apr-11</u>	





Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA5a  
 Equipment no. : EL380

Calibration Date : 08-Jun-11  
 Calibration Due Date : 08-Aug-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.8	5.8	11.6	1.7310	55	55.9101
2	4.7	4.7	9.4	1.5585	49	49.8108
3	3.6	3.6	7.2	1.3643	44	44.7280
4	2.4	2.4	4.8	1.1144	33	33.5460
5	1.3	1.3	2.6	0.8208	23	23.3806

By Linear Regression of Y on X

Slope, m = 36.0704      Intercept, b = -6.0589  
 Correlation Coefficient\* = 0.9976  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks :

Calibrated by : Derek Lo  
 Date : 08-Jun-11

Checked by : Cherry Mak  
 Date : 11-Jun-11



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA6a  
 Equipment no. : EL448

Calibration Date : 09-Apr-11  
 Calibration Due Date : 09-Jun-11

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	28-Jun-11				

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) Y-axis
	(up)	(down)	(difference)			
1	5.9	5.9	11.8	1.7459	56	56.9266
2	4.8	4.8	9.6	1.5750	50	50.8273
3	3.7	3.7	7.4	1.3831	44	44.7280
4	2.3	2.3	4.6	1.0910	33	33.5460
5	1.4	1.4	2.8	0.8517	22	22.3640

By Linear Regression of Y on X

Slope, m = 38.1982      Intercept, b = -9.0993

Correlation Coefficient\* = 0.9977

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

<b>Remarks :</b>			
Calibrated by : <u>Derek Lo</u>		Checked by : <u>Cherry Mak</u>	
Date : <u>09-Apr-11</u>		Date : <u>11-Apr-11</u>	



Lam Geotechnics Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA6a  
 Equipment no. : EL448

Calibration Date : 08-Jun-11  
 Calibration Due Date : 08-Aug-11

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	290	Kelvin	Pressure, P <sub>a</sub>
			1019 mmHg

Orifice Transfer Standard Information					
Equipment No.	EL086	Slope, m <sub>c</sub>	2.00300	Intercept, b <sub>c</sub>	-0.00500
Last Calibration Date	28-Jun-10	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	28-Jun-11	= m <sub>c</sub> × Q <sub>std</sub> + b <sub>c</sub>			

Calibration of RSP						
Calibration Point	Manometer Reading H (inches of water)			Q <sub>std</sub> (m <sup>3</sup> / min.) <b>X-axis</b>	Continuous Flow Recorder, W (CFM)	IC (W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31) <b>Y-axis</b>
	(up)	(down)	(difference)			
1	5.8	5.8	11.6	1.7310	55	55.9101
2	4.7	4.7	9.4	1.5585	50	50.8273
3	3.8	3.8	7.6	1.4016	43	43.7115
4	2.4	2.4	4.8	1.1144	32	32.5295
5	1.4	1.4	2.8	0.8517	23	23.3806

By Linear Regression of Y on X

Slope, m = 37.8416                      Intercept, b = -9.1124

Correlation Coefficient\* = 0.9989

Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

<b>Remarks :</b>			
Calibrated by : <u>Derek Lo</u> Date : <u>08-Jun-11</u>	Checked by : <u>Cherry Mak</u> Date : <u>11-Jun-11</u>		



***Appendix 5.1***

***Monitoring Schedules for Reporting Month and Coming Reporting Month***

**Contract No. HK/2009/05**  
**Wan Chai Development Phase II and Central-Wan Chai Bypass**  
**Sampling, Field Measurement and Testing Works (Stage 1)**  
**Environmental Monitoring Schedule**  
**June 2011**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						28-May
				Mid-flood: 1:59		Impact WQM Mid-flood: 3:08 Mid-ebb: 9:59
29-May	30-May	31-May	1-Jun	2-Jun	3-Jun	4-Jun
	24hr TSP  Impact WQM Mid-ebb: 11:00 Mid-flood: 17:37	1hr TSP x 3	Impact WQM Mid-ebb: 11:57 Mid-flood: 18:57	Noise (Day time) Noise (Restricted hr) 1900-2300	24hr TSP  Impact WQM Mid-ebb: 13:08 Mid-flood: 20:17	1hr TSP x 3
5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun
		Impact WQM Mid-ebb: 16:11 Mid-flood: 23:31	Noise (Day time) Noise (Restricted hr) 1900-2300	24hr TSP  Impact WQM Mid-flood: 11:36 Mid-ebb: 18:18	1hr TSP x 3	Impact WQM Mid-flood: 14:45 Mid-ebb: 20:37
12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun
	Impact WQM Mid-ebb: 10:16 Mid-flood: 17:11	Noise (Day time) Noise (Restricted hr) 1900-2300	24hr TSP  Impact WQM Mid-ebb: 11:50 Mid-flood: 19:06	1hr TSP x 3	Impact WQM Mid-ebb: 13:23 Mid-flood: 20:39	
19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun
	Noise (Day time)	24hr TSP  Impact WQM Mid-flood: 9:08 Mid-ebb: 15:56	1hr TSP x 3	1hr TSP x 3  Impact WQM Mid-ebb: 17:05	Noise (Restricted hr) 1900-2300  Impact WQM Mid-flood: 0:42	
26-Jun	27-Jun					
Impact WQM Mid-flood: 1:49 Mid-ebb: 9:22	24hr TSP					

**Contract No. HK/2009/05**  
**Wan Chai Development Phase II and Central-Wan Chai Bypass**  
**Sampling, Field Measurement and Testing Works (Stage 1)**  
**Tentative Environmental Monitoring Schedule**  
**July 2011**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>26-Jun</b>	27-Jun 24hr TSP	28-Jun 1hr TSP x 3  Impact WQM Mid-ebb: 10:28 Mid-flood: 17:36	29-Jun  Noise (Day time) Noise (Restricted hr) 1900-2300	30-Jun  Impact WQM Mid-ebb: 11:38 Mid-flood: 18:54	<b>1-Jul</b>	2-Jul 24hr TSP  Impact WQM Mid-ebb: 13:01 Mid-flood: 20:06
<b>3-Jul</b>	4-Jul 1hr TSP x 3  Impact WQM Mid-ebb: 14:28 Mid-flood: 21:23	5-Jul  Noise (Day time) Noise (Restricted hr) 1900-2300	6-Jul  Impact WQM Mid-ebb: 15:56 Mid-flood: 22:48	7-Jul	8-Jul 24hr TSP  Impact WQM Mid-flood: 11:38 Mid-ebb: 17:52	9-Jul 1hr TSP x 3
<b>10-Jul</b>	11-Jul	12-Jul  Impact WQM Mid-ebb: 10:11 Mid-flood: 17:32	13-Jul  Noise (Day time) Noise (Restricted hr) 1900-2300	14-Jul 24hr TSP  Impact WQM Mid-ebb: 11:43 Mid-flood: 19:03	15-Jul 1hr TSP x 3	16-Jul  Impact WQM Mid-ebb: 13:06 Mid-flood: 20:15
<b>17-Jul</b>	18-Jul  Impact WQM Mid-ebb: 14:16 Mid-flood: 21:18	19-Jul  Noise (Day time) Noise (Restricted hr) 1900-2300	20-Jul 24hr TSP  Impact WQM Mid-ebb: 15:18 Mid-flood: 22:17	21-Jul 1hr TSP x 3	22-Jul  Impact WQM Mid-ebb: 16:18 Mid-flood: 23:19	23-Jul
<b>24-Jul</b>	25-Jul  Noise (Day time) Noise (Restricted hr) 1900-2300	26-Jul 24hr TSP  Impact WQM Mid-ebb: 9:21 Mid-flood: 21:42	27-Jul 1hr TSP x 3	28-Jul  Impact WQM Mid-ebb: 10:39 Mid-flood: 18:10	29-Jul	30-Jul  Impact WQM Mid-ebb: 12:02 Mid-flood: 19:05
<b>31-Jul</b>	1-Aug	2-Aug	3-Aug	4-Aug	5-Aug	6-Aug

**Contract No. HK/2009/05**  
**Wan Chai Development Phase II and Central-Wan Chai Bypass**  
**Sampling, Field Measurement and Testing Works (Stage 1)**  
**Tentative Environmental Monitoring Schedule**  
**Aug-11**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				28-Jul	29-Jul	30-Jul
				Impact WQM Mid-ebb: 10:39 Mid-flood: 18:10		Impact WQM Mid-ebb: 12:02 Mid-flood: 19:05
<b>31-Jul</b>	01-Aug	02-Aug	03-Aug	04-Aug	05-Aug	06-Aug
24hr TSP	1hr TSP x 3		Impact WQM Mid-ebb: 14:52 Mid-flood: 21:19	Noise (Day time) Noise (Restricted hr) 1900-2000		24hr TSP  Impact WQM Mid-flood: 11:37 Mid-ebb: 17:29
	Impact WQM Mid-ebb: 13:28 Mid-flood: 20:07					
<b>07-Aug</b>	08-Aug	09-Aug	10-Aug	11-Aug	12-Aug	13-Aug
1hr TSP x 3		Impact WQM Mid-ebb: 09:22 Mid-flood: 16:57	Noise (Day time) Noise (Restricted hr) 1900-2000	Impact WQM Mid-ebb: 10:50 Mid-flood: 18:10	24hr TSP	1hr TSP x 3  Impact WQM Mid-ebb: 12:08 Mid-flood: 19:09
<b>14-Aug</b>	15-Aug	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug
	Impact WQM Mid-ebb: 13:17 Mid-flood: 20:00	Noise (Day time) Noise (Restricted hr) 1900-2000	Impact WQM Mid-ebb: 14:19 Mid-flood: 20:47	24hr TSP	1hr TSP x 3  Impact WQM Mid-ebb: 15:19 Mid-flood: 21:39	
<b>21-Aug</b>	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug
	Noise (Day time) Noise (Restricted hr) 1900-2000 Impact WQM Mid-flood: 23:03	Impact WQM Mid-ebb: 07:49	24hr TSP	1hr TSP x 3  Impact WQM Mid-ebb: 09:29 Mid-flood: 17:18		Impact WQM Mid-ebb: 10:55 Mid-flood: 17:59

**Contract No. HK/2009/05**  
**Wan Chai Development Phase II and Central-Wan Chai Bypass**  
**Sampling, Field Measurement and Testing Works (Stage 1)**

Remarks (Water)

1. Cut-off date is at the 27th of each reporting month.
2. Actual monitoring will subject to change due to any safety concern or adverse weather condition.
3. Water Quality Monitoring Stations corresponding to active contracts are sub-divided below:
  - Contract HY/2009/11: WSD9, WSD10, WSD15, WSD17, C8, C9 (Commenced on 23 March 2010)
  - Contract HY/2009/15: C6 and C7 (Commenced on 9 Nov 2010)
  - Contract HK/2009/01: WSD7, WSD19, WSD20, C1(Shared with Contract HK/2010/06), C2, C3, C4e, C4w (Commenced on 8 July 2010)
  - Contract HK/2009/02: WSD21, C5e, C5w (Commenced on 8 July 2010)

Remarks (Air)

1. Cut-off date is at the 27th of each reporting month.
2. Actual monitoring will subject to change due to any safety concern or adverse weather condition.
3. Air Quality Monitoring Stations corresponding to active contracts are sub-divided below:
  - Contract HK/2009/01: CMA5a and CMA6a (Commenced and reported in Apr 2011)
  - Contract HK/2009/02: (Commenced and reported in Feb 2011)
  - Contract HY/2009/11: CMA1b and CMA2a (Commenced on 17 Jun 2010, To be reported in Monthly report on 11 Aug 2010) and CMA2a (Commenced on 12 May 2010, To be reported in Monthly report on 11 Aug 2010)
  - Contract HY/2009/15: CMA3a (Commenced and reported on 15 Mar 2011)
  - Contract 04/HY/2006: MA1e and MA1w (Commenced and reported on 9 Sep 2010)

Remarks (Noise)

1. Cut-off date is at the 27th of each reporting month.
2. Actual monitoring will subject to change due to any safety concern or adverse weather condition.
3. Noise Quality Monitoring Stations corresponding to active contracts are sub-divided below:
  - Contract HK/2009/01 and HK/2009/02: M1a (Commenced on 30 Mar 2010, To be reported in Monthly report on 6 July 2010)
  - Contract HY/2009/11: M4b, M5b (Commenced on 23 Mar 2010 when dredging work starts)
  - Contract HY/2009/15: M2b(Commenced and reported on 10 Nov 2010) and M3a (Commenced on 10 May 2010, To be reported in Monthly report on 10 Nov 2010)
  - Contract 04/HY/2006: M7e, M7w (Commenced and reported on 30 Aug 2010)
4. Day time noise will be monitored for Leq(30min) during the period between 07:00 and 19:00 for active contract(s).
5. Restricted hours noise (i.e. outside 07:00-19:00 of normal weekday) will be monitored for 3 nos. Leq(5min) as per the relevant Construction Noise Permit(s) in force for the following contract(s): Contracts HY/2009/11, HY/2009/11, HK/2009/01 and HK/2009/02





***Appendix 5.2***

***Noise Monitoring Results and Graphical Presentations***



**Noise Monitoring Result**

**Day Time (0700 - 1900hrs on normal weekdays)**

Location: M1a - Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
02/06/11	16:27	Fine	72.9	75.0	69.6	69.2	70	75
08/06/11	10:23	Fine	75.8	79.3	69.3	69.2	75	75
14/06/11	10:17	Cloudy	72.6	75.5	68.5	69.2	70	75
20/06/11	9:50	Sunny	74.0	76.0	70.0	69.2	72	75

Location: M2b - Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
02/06/11	10:00	Fine	70.4	71.7	69.5	-	70	75
08/06/11	11:25	Sunny	67.8	69.4	65.5	-	68	75
14/06/11	11:02	Cloudy	71.3	72.5	68.5	-	71	75
20/06/11	15:20	Sunny	67.9	70.0	65.0	-	68	75

Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
02/06/11	13:00	Fine	70.3	71.0	67.3	-	70	75
08/06/11	13:00	Sunny	67.5	69.8	65.2	-	68	75
14/06/11	13:00	Cloudy	66.9	68.5	64.0	-	67	75
20/06/11	11:30	Sunny	67.7	69.5	65.0	-	68	75

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Baseline Noise Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30min)								
02/06/11	14:40	Fine	71.2	74.0	67.5	-	71	75
08/06/11	14:00	Cloudy	74.6	76.9	70.8	-	75	75
14/06/11	13:49	Cloudy	73.8	75.0	69.5	-	74	75
20/06/11	10:47	Sunny	72.4	73.5	69.5	-	72	75

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30min)								
02/06/11	11:02	Fine	69.5	70.6	67.8	-	70	75
08/06/11	15:42	Sunny	67.1	68.0	65.9	-	67	75
14/06/11	15:28	Fine	68.5	73.5	60.5	-	69	75
20/06/11	16:50	Sunny	68.3	70.0	65.5	-	68	75



**Noise Monitoring Result**

**Restricted Time (1900 - 2300 hrs on normal weekdays and 0700-2300 on holiday)**

Location: M4b - Victoria Centre

Date	Time	Weather	Measurement Noise Level			Average Noise Level	Baseline Noise Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
Unit: dB(A), (5-min)									
02/06/11	19:57	Fine	67.9	69.3	65.6	67.2	-	67	70
	20:05		67.0	68.4	65.0				
	20:11		66.7	68.4	64.8				
08/06/11	21:50	Fine	67.1	68.5	64.5	67.1	-	67	70
	21:56		67.1	68.5	65.0				
	22:03		67.1	68.5	64.5				
14/06/11	20:50	Cloudy	67.7	69.5	65.0	67.2	-	67	70
	20:56		66.8	68.0	65.0				
	21:02		67.1	69.0	64.5				
24/06/11	20:12	Fine	68.0	69.8	65.4	67.9	-	68	70
	20:17		67.8	69.3	65.8				
	20:24		67.8	69.2	65.7				

Location: M5b - City Garden

Date	Time	Weather	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
Unit: dB(A), (5-min)									
02/06/11	20:39	Fine	67.1	68.3	65.6	67.2	-	67	70
	20:45		67.2	68.4	65.7				
	20:51		67.3	68.1	65.8				
08/06/11	20:39	Fine	66.8	68.0	65.0	66.9	-	67	70
	20:45		66.5	67.0	65.0				
	20:52		67.3	67.5	65.0				
14/06/11	21:20	Cloudy	66.1	67.0	64.5	66.2	-	66	70
	21:26		66.2	67.0	64.5				
	21:33		66.2	67.0	64.5				
24/06/11	19:30	Fine	69.8	71.0	68.1	69.8	-	70	70
	19:35		69.9	71.0	68.3				
	19:40		69.7	70.9	68.3				

Location: M1a - Harbour Road Sports Center

Date	Time	Weather	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
Unit: dB(A), (5-min)									
02/06/11	19:07	Fine	71.9	74.1	67.5	71.9	61.1	72	70
	19:23		72.0	73.8	68.6				
	19:31		71.9	74.9	66.9				
08/06/11	19:33	Fine	72.8	76.0	68.0	72.2	61.1	72	70
	19:39		71.3	73.0	67.5				
	19:45		72.6	74.5	68.5				
14/06/11	19:03	Cloudy	72.4	75.0	68.0	71.5	61.1	71	70
	19:09		71.5	74.0	66.5				
	19:15		70.5	72.5	66.5				
24/06/11	22:23	Fine	73.2	75.5	72.9	71.9	61.1	71	70
	22:28		69.5	72.6	62.5				
	22:35		72.9	75.8	64.9				



**Noise Monitoring Result**

**Restricted Time (1900 - 2300 hrs on normal weekdays and 0700-2300 on holiday)**

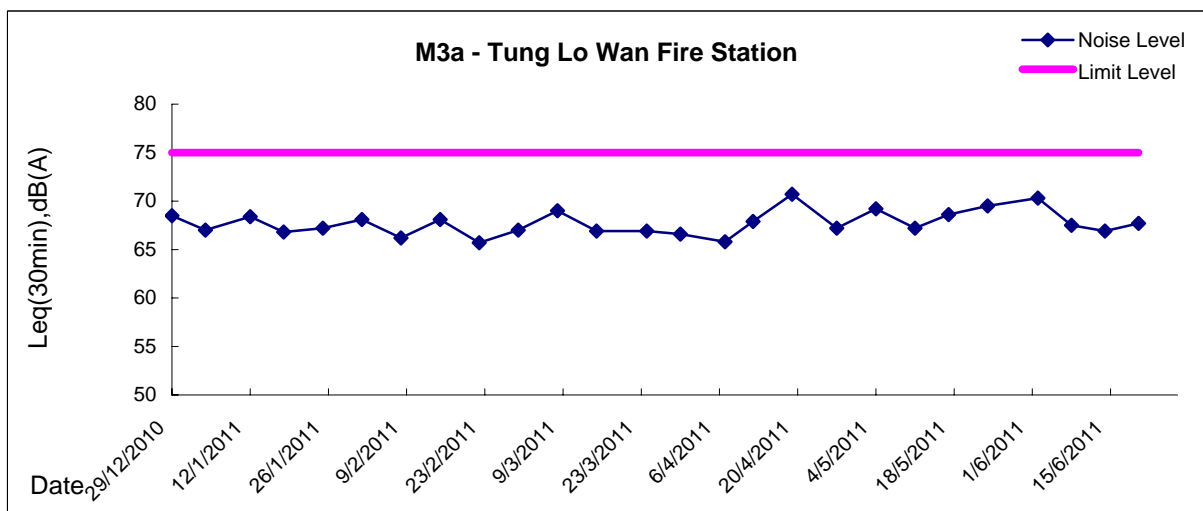
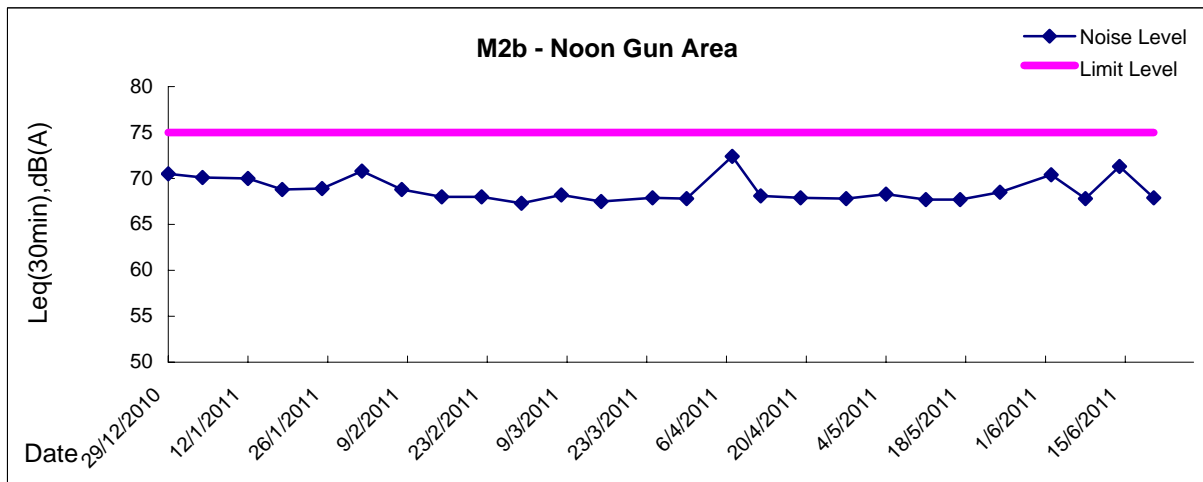
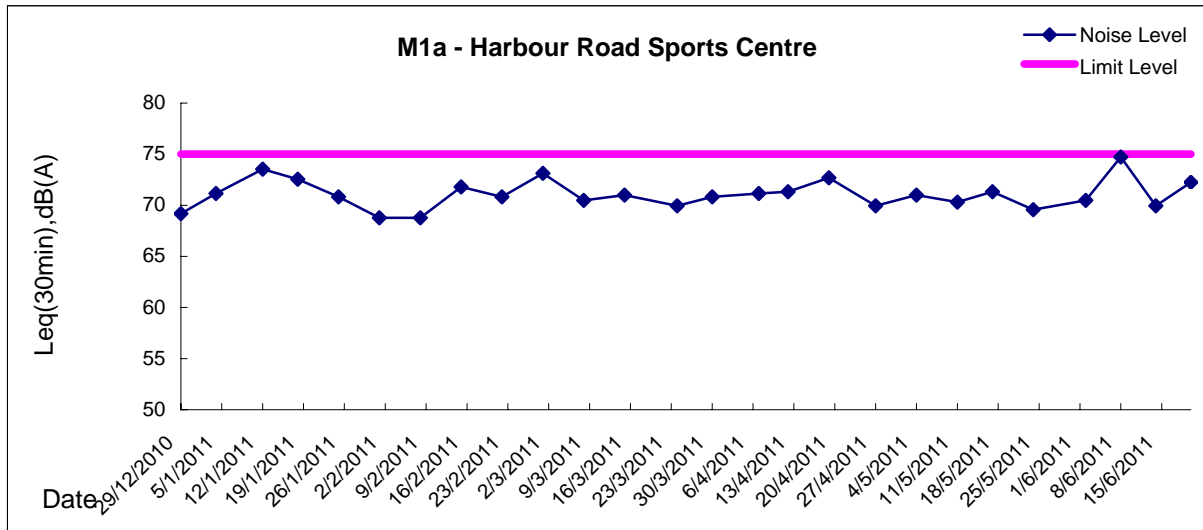
Location: M2b -Noon-day gun area

Date	Time	Weather	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
Unit: dB(A), (5-min)									
02/06/11	21:17	Fine	66.2	68.0	64.1	66.1	-	66	70
	21:23		66.1	67.6	64.0				
	21:29		65.9	67.5	64.1				
08/06/11	20:31	Fine	65.4	66.9	63.8	65.2	-	65	70
	20:36		65.0	66.4	63.5				
	20:41		65.1	66.2	63.9				
14/06/11	19:35	Cloudy	67.5	69.0	64.5	67.2	-	67	70
	19:41		67.3	68.5	64.0				
	19:47		66.8	68.5	64.5				
24/06/11	21:35	Fine	68.8	70.3	66.7	68.7	-	69	70
	21:40		67.9	69.2	66.2				
	21:45		69.4	71.1	66.8				

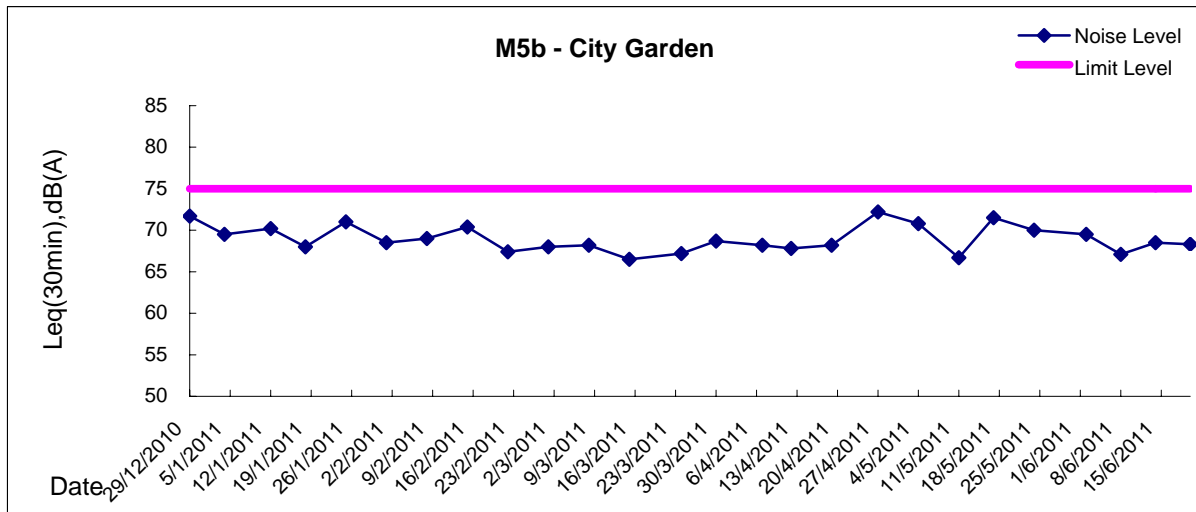
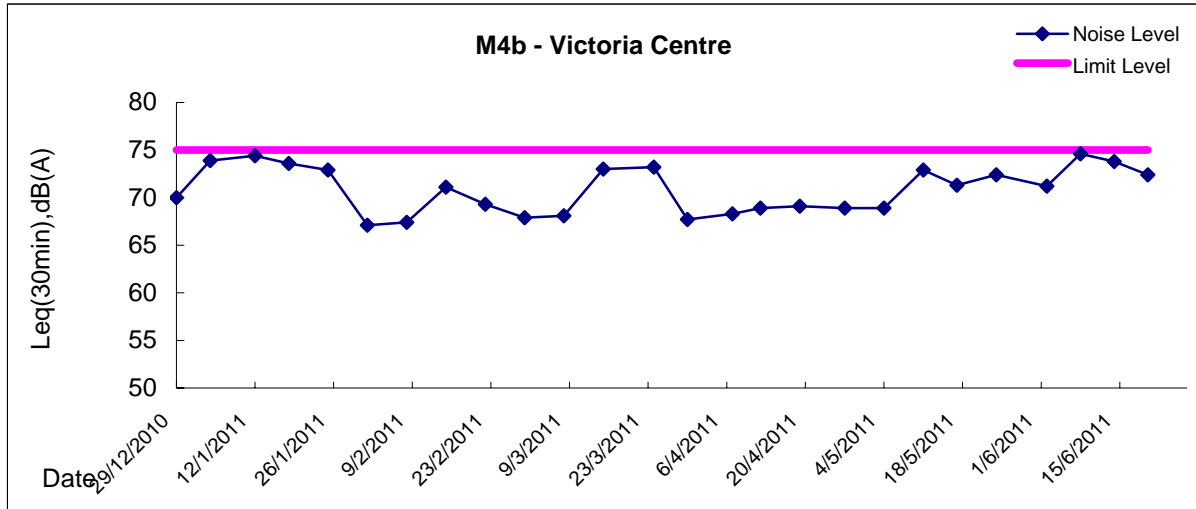
Location: M3a - Tung Lo Wan Fire Station

Date	Time	Weather	Measurement Noise Level			Average Noise Level	Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq	Leq
Unit: dB(A), (5-min)									
02/06/11	21:58	Fine	64.4	66.1	62.1	64.7	-	65	70
	22:04		64.5	66.1	61.9				
	22:09		65.1	66.7	62.3				
08/06/11	22:10	Fine	65.3	67.0	61.5	64.9	-	65	70
	22:16		65.4	67.5	61.5				
	22:22		64.1	65.5	62.0				
14/06/11	20:10	Cloudy	64.5	66.0	62.5	64.8	-	65	70
	20:16		65.4	67.5	62.5				
	20:23		64.6	66.0	62.5				
24/06/11	20:52	Fine	65.3	67.7	62.1	65.1	-	65	70
	20:57		65.1	67.4	62.6				
	21:03		65.0	67.1	61.8				

**Graphic Presentation of Noise Monitoring Result**  
**Day Time (0700 - 1900hrs on normal weekdays)**



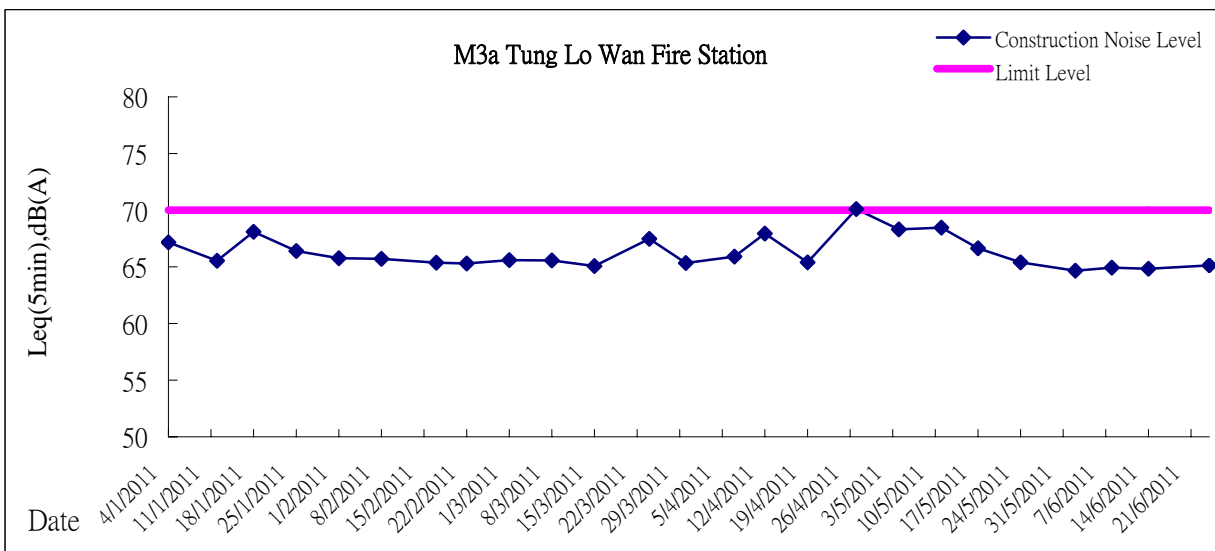
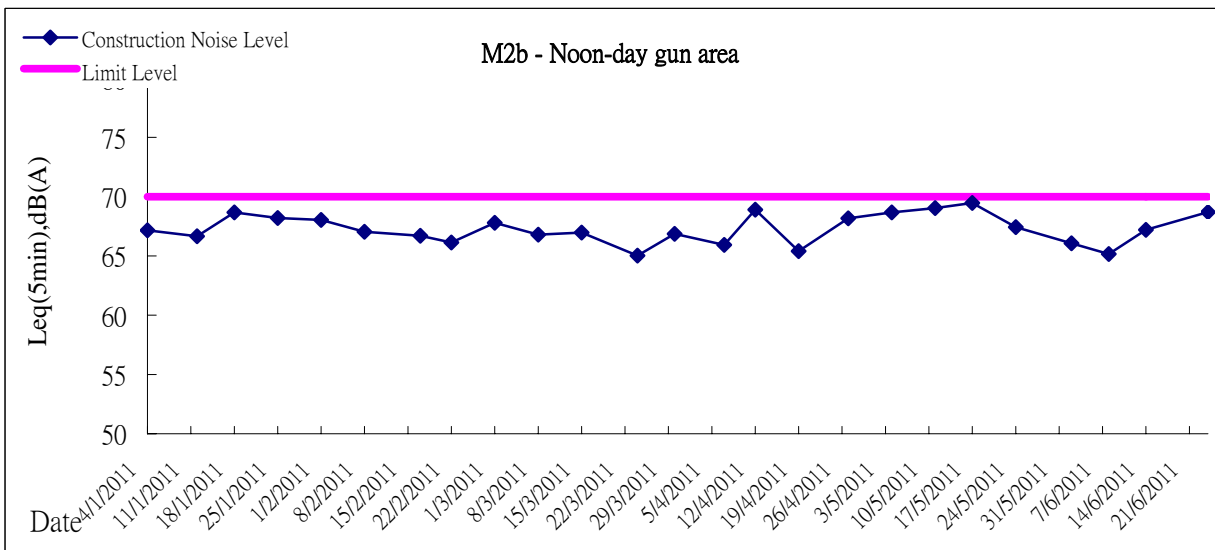
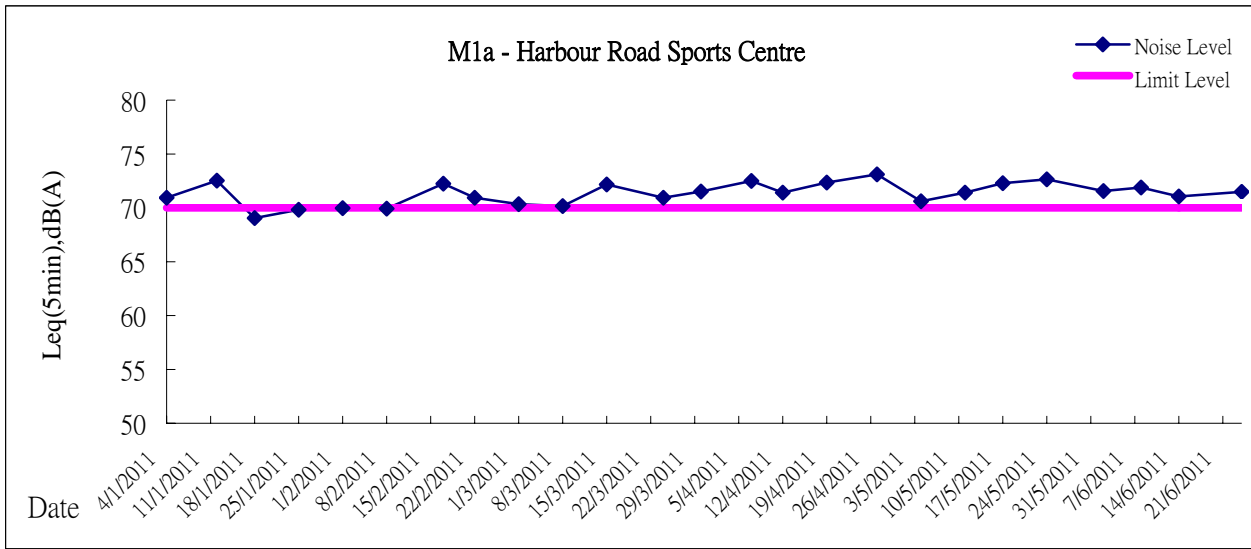
**Graphic Presentation of Noise Monitoring Result**  
**Day Time (0700 - 1900hrs on normal weekdays)**





**Graphic Presentation of Noise Monitoring Result**

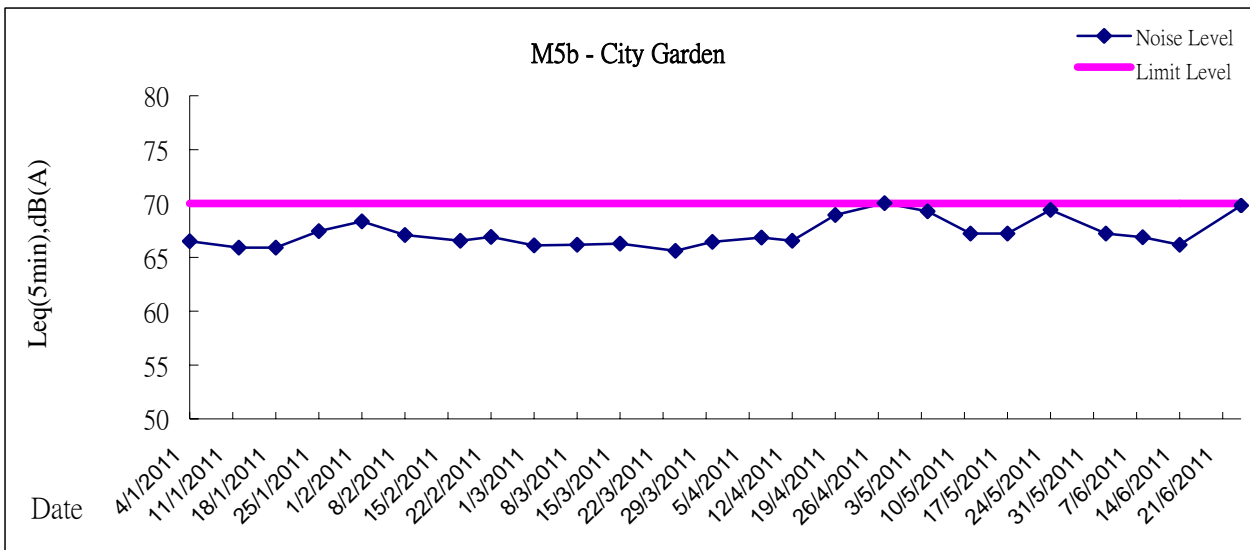
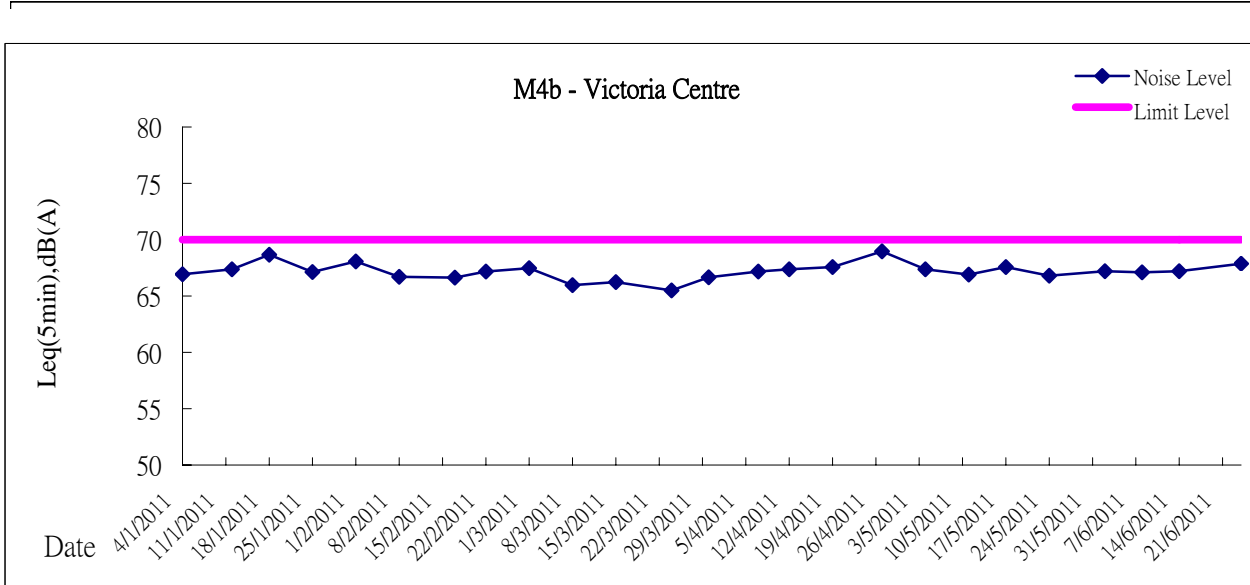
**Restricted Time (1900 - 2300 hrs on normal weekdays and 0700-2300 on holiday)**





**Graphic Presentation of Noise Monitoring Result**

**Restricted Time (1900 - 2300 hrs on normal weekdays and 0700-2300 on holiday)**







***Appendix 5.3***

*Air Quality Monitoring Results and Graphical Presentations*



Location: CMA1b - Oil St Community Liaison Centre

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 176.7

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000575	2.7908	2.9548	9347.63	9371.63	24.00	1.21	1.21	1.21	1745	94
3-Jun-11	8:00	Fine	000487	2.7850	2.9701	9374.63	9398.63	24.00	1.19	1.19	1.19	1707	108
9-Jun-11	8:00	Sunny	000515	2.7713	2.8694	9401.63	9425.63	24.00	1.18	1.18	1.18	1701	58
15-Jun-11	8:00	Fine	000603	2.7542	2.8704	9428.63	9452.63	24.00	1.20	1.20	1.20	1725	67
21-Jun-11	8:00	Cloudy	000421	2.7724	2.8879	9455.63	9479.63	24.00	1.20	1.21	1.20	1735	67
27-Jun-11	8:00	Fine	000729	2.7905	2.9272	9482.73	9506.73	24.00	1.16	1.16	1.16	1670	82

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 320.1

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	9:00	Sunny	000481	2.8135	2.8263	9371.63	9372.63	1.00	1.21	1.21	1.21	73	176
31-May-11	10:00	Sunny	000485	2.7786	2.7968	9372.63	9373.63	1.00	1.21	1.21	1.21	73	250
31-May-11	13:00	Sunny	000504	2.8156	2.8284	9373.63	9374.63	1.00	1.21	1.21	1.21	73	176
4-Jun-11	8:25	Sunny	000679	2.8066	2.8130	9398.63	9399.63	1.00	1.21	1.21	1.21	73	88
4-Jun-11	9:32	Sunny	000677	2.8145	2.8215	9399.63	9400.63	1.00	1.21	1.21	1.21	73	97
4-Jun-11	10:40	Sunny	000675	2.8033	2.8132	9400.63	9401.63	1.00	1.21	1.21	1.21	73	136
10-Jun-11	9:00	Sunny	000608	2.7618	2.7657	9425.63	9426.63	1.00	1.20	1.20	1.20	72	54
10-Jun-11	10:00	Sunny	000605	2.7794	2.7842	9426.63	9427.63	1.00	1.20	1.20	1.20	72	66
10-Jun-11	11:00	Sunny	000606	2.7722	2.7773	9427.63	9428.63	1.00	1.20	1.20	1.20	72	71
16-Jun-11	8:30	Fine	000637	2.7646	2.7734	9452.63	9453.63	1.00	1.20	1.20	1.20	72	123
16-Jun-11	9:55	Fine	000516	2.7912	2.7975	9453.63	9454.63	1.00	1.22	1.20	1.21	73	87
16-Jun-11	13:00	Fine	000517	2.7829	2.7892	9454.63	9455.63	1.00	1.22	1.20	1.21	73	87
22-Jun-11	8:55	Cloudy	000723	2.8110	2.8238	9479.63	9480.63	1.00	1.21	1.18	1.20	72	179
22-Jun-11	10:00	Cloudy	000727	2.8067	2.8119	9480.63	9481.63	1.00	1.21	1.16	1.18	71	73
22-Jun-11	13:00	Cloudy	000731	2.7984	2.8071	9481.63	9482.63	1.00	1.18	1.16	1.17	70	124



Location: CMA2a - Causeway Bay Community Centre

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 169.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000474	2.7821	2.9493	13825.89	13849.89	24.00	1.51	1.51	1.51	2180	77
3-Jun-11	8:00	Fine	000506	2.8018	2.9383	13852.89	13876.89	24.00	1.49	1.49	1.49	2141	64
9-Jun-11	8:00	Sunny	000674	2.8172	2.8741	13879.89	13903.89	24.00	1.48	1.48	1.48	2134	27
15-Jun-11	8:00	Fine	000604	2.7766	2.8340	13906.89	13930.89	24.00	1.52	1.52	1.52	2194	26
21-Jun-11	8:00	Cloudy	000519	2.7845	2.8664	13933.89	13957.89	24.00	1.46	1.46	1.46	2101	39
27-Jun-11	8:00	Fine	000788	2.8191	2.8789	13960.90	13984.90	24.00	1.46	1.46	1.46	2098	29

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 323.4

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	9:15	Sunny	000482	2.7859	2.7982	13849.89	13850.89	1.00	1.51	1.51	1.51	91	135
31-May-11	10:25	Sunny	000458	2.7702	2.7863	13850.89	13851.89	1.00	1.51	1.51	1.51	91	177
31-May-11	13:00	Sunny	000514	2.7867	2.8016	13851.89	13852.89	1.00	1.51	1.51	1.51	91	164
4-Jun-11	8:35	Fine	000680	2.8097	2.8172	13876.89	13877.89	1.00	1.51	1.51	1.51	91	83
4-Jun-11	9:40	Fine	000678	2.7781	2.7837	13877.89	13878.89	1.00	1.51	1.51	1.51	91	62
4-Jun-11	11:00	Fine	000676	2.8096	2.8148	13878.89	13879.89	1.00	1.51	1.51	1.51	91	57
10-Jun-11	9:10	Fine	000607	2.7735	2.7775	13903.89	13904.89	1.00	1.51	1.51	1.51	90	44
10-Jun-11	10:10	Fine	000596	2.7907	2.7958	13904.89	13905.89	1.00	1.51	1.51	1.51	90	56
10-Jun-11	13:00	Fine	000595	2.7695	2.7731	13905.89	13906.89	1.00	1.51	1.51	1.51	90	40
16-Jun-11	8:20	Fine	000588	2.7629	2.7678	13930.89	13931.89	1.00	1.28	1.28	1.28	77	64
16-Jun-11	9:45	Fine	000554	2.7742	2.7817	13931.89	13932.89	1.00	1.47	1.50	1.49	89	84
16-Jun-11	13:00	Fine	000673	2.8170	2.8219	13932.89	13933.89	1.00	1.38	1.43	1.40	84	58
22-Jun-11	9:15	Cloudy	000725	2.7976	2.8029	13957.89	13958.89	1.00	1.56	1.56	1.56	93	57
22-Jun-11	11:00	Cloudy	000730	2.7883	2.7939	13958.89	13959.89	1.00	1.46	1.48	1.47	88	63
22-Jun-11	13:00	Cloudy	000724	2.8258	2.8309	13959.89	13960.89	1.00	1.46	1.48	1.47	88	58



Location: CMA3a - CWB PRE Site Office Area

Report on 24-hour TSP monitoring  
 Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171  
 Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000475	2.7973	2.9656	9659.16	9683.16	24.00	1.43	1.44	1.44	2067	81
3-Jun-11	8:00	Fine	000611	2.7787	2.9578	9686.16	9710.16	24.00	1.46	1.46	1.46	2097	85
9-Jun-11	8:00	Sunny	000624	2.7936	2.8776	9713.16	9737.16	24.00	1.45	1.45	1.45	2090	40
15-Jun-11	8:00	Fine	000661	2.8125	2.9353	9740.16	9764.16	24.00	1.49	1.54	1.52	2186	56
21-Jun-11	8:00	Cloudy	000559	2.7943	2.9092	9767.16	9791.16	24.00	1.43	1.48	1.45	2091	55
27-Jun-11	8:00	Cloudy	000715	2.7826	2.9472	9794.06	9818.07	24.01	1.43	1.48	1.45	2092	79

Report on 1-hour TSP monitoring  
 Action Level ( $\mu\text{g}/\text{m}^3$ ) - 311.3  
 Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	8:20	Sunny	000478	2.7860	2.7997	9683.16	9684.16	1.00	1.48	1.48	1.48	89	154
31-May-11	9:40	Sunny	000483	2.7838	2.7962	9684.16	9685.16	1.00	1.48	1.48	1.48	89	139
31-May-11	10:45	Sunny	000486	2.7900	2.8084	9685.16	9686.16	1.00	1.48	1.48	1.48	89	207
4-Jun-11	8:55	Fine	000619	2.8154	2.8227	9710.16	9711.16	1.00	1.48	1.48	1.48	89	82
4-Jun-11	10:30	Fine	000541	2.7903	2.8038	9711.16	9712.16	1.00	1.48	1.48	1.48	89	152
4-Jun-11	13:00	Fine	000623	2.7905	2.7985	9712.16	9713.16	1.00	1.48	1.48	1.48	89	90
10-Jun-11	8:45	Fine	000627	2.8003	2.8064	9737.16	9738.16	1.00	1.48	1.48	1.48	89	69
10-Jun-11	9:55	Fine	000631	2.7678	2.7691	9738.16	9739.16	1.00	1.48	1.48	1.48	89	15
10-Jun-11	13:00	Fine	000665	2.8262	2.8333	9739.16	9740.16	1.00	1.48	1.48	1.48	89	80
16-Jun-11	8:55	Fine	000660	2.8149	2.8230	9764.16	9765.16	1.00	1.49	1.49	1.49	90	90
16-Jun-11	13:00	Fine	000658	2.8280	2.8347	9765.16	9766.16	1.00	1.49	1.49	1.49	90	75
16-Jun-11	14:52	Fine	000655	2.8219	2.8319	9766.16	9767.16	1.00	1.49	1.49	1.49	90	112
22-Jun-11	10:00	Cloudy	000708	2.7674	2.7756	9791.16	9792.16	1.00	1.38	1.33	1.36	81	101
22-Jun-11	13:00	Cloudy	000710	2.7913	2.8014	9792.16	9793.16	1.00	1.43	1.43	1.43	86	118
22-Jun-11	14:05	Cloudy	000711	2.7700	2.7761	9793.16	9794.16	1.00	1.38	1.33	1.36	81	75



Location: CMA4a - SPCA

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 171.2

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000417	2.7520	2.8889	13213.52	13237.52	24.00	1.15	1.15	1.15	1651	83
3-Jun-11	8:00	Fine	000612	2.7785	2.8989	13240.52	13264.52	24.00	1.09	1.09	1.09	1574	77
9-Jun-11	8:00	Sunny	000546	2.7989	2.8493	13267.52	13291.52	24.00	1.09	1.09	1.09	1567	32
15-Jun-11	8:00	Fine	000662	2.7876	2.8737	13294.52	13318.52	24.00	1.10	1.10	1.10	1590	54
21-Jun-11	8:00	Cloudy	000652	2.8151	2.8813	13321.52	13345.52	24.00	1.09	1.09	1.09	1569	42
27-Jun-11	8:00	Cloudy	000713	2.7740	2.8933	13348.50	13372.50	24.00	1.09	1.09	1.09	1569	76

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 312.5

Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	8:35	Sunny	000479	2.8146	2.8227	13237.52	13238.52	1.00	1.15	1.15	1.15	69	118
31-May-11	9:50	Sunny	000480	2.8138	2.8255	13238.52	13239.52	1.00	1.15	1.15	1.15	69	170
31-May-11	11:00	Sunny	000457	2.7733	2.7866	13239.52	13240.52	1.00	1.15	1.15	1.15	69	193
4-Jun-11	9:15	Sunny	000484	2.7992	2.8080	13264.52	13265.52	1.00	1.09	1.09	1.09	66	134
4-Jun-11	10:20	Sunny	000540	2.7856	2.7926	13265.52	13266.52	1.00	1.09	1.09	1.09	66	107
4-Jun-11	13:00	Sunny	000622	2.7930	2.7974	13266.52	13267.52	1.00	1.09	1.09	1.09	66	67
10-Jun-11	8:55	Sunny	000628	2.7864	2.7905	13291.52	13292.52	1.00	1.09	1.09	1.09	65	63
10-Jun-11	10:05	Sunny	000632	2.7847	2.7919	13292.52	13293.52	1.00	1.09	1.09	1.09	65	110
10-Jun-11	13:00	Sunny	000666	2.8133	2.8170	13293.52	13294.52	1.00	1.09	1.09	1.09	65	57
16-Jun-11	9:12	Fine	000659	2.8120	2.8184	13318.52	13319.52	1.00	1.26	1.26	1.26	75	85
16-Jun-11	13:00	Fine	000657	2.8169	2.8229	13319.52	13320.52	1.00	1.26	1.26	1.26	75	80
16-Jun-11	14:38	Fine	000656	2.7863	2.7888	13320.52	13321.52	1.00	1.26	1.26	1.26	75	33
22-Jun-11	10:20	Cloudy	000717	2.7887	2.7925	13345.52	13346.52	1.00	1.14	1.12	1.13	68	56
22-Jun-11	13:00	Cloudy	000709	2.7654	2.7700	13346.52	13347.52	1.00	1.09	1.09	1.09	65	70
22-Jun-11	14:28	Cloudy	000716	2.7572	2.7615	13347.52	13348.52	1.00	1.04	1.04	1.04	62	69



Location: CMA5a - Children Garden opposite to Pedestrian Plaza

Report on 24-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 181  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

181  
260

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000476	2.7826	2.9059	14292.76	14316.76	24.00	1.24	1.24	1.24	1780	69
3-Jun-11	8:00	Fine	000640	2.7693	2.8813	14319.76	14343.76	24.00	1.16	1.16	1.16	1668	67
9-Jun-11	8:00	Sunny	000547	2.7891	2.8442	14346.76	14370.76	24.00	1.15	1.15	1.15	1661	33
15-Jun-11	8:00	Fine	000418	2.7425	2.8056	14373.76	14397.76	24.00	1.17	1.17	1.17	1685	37
21-Jun-11	8:00	Cloudy	000609	2.7864	2.8766	14400.76	14424.76	24.00	1.18	1.18	1.18	1697	53
27-Jun-11	8:00	Cloudy	000423	2.7557	2.8425	14427.75	14451.75	24.00	1.18	1.18	1.18	1697	51

Report on 1-hour TSP monitoring  
Action Level ( $\mu\text{g}/\text{m}^3$ ) - 332  
Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	8:48	Sunny	000451	2.7588	2.7681	14316.76	14317.76	1.00	1.19	1.19	1.19	71	131
31-May-11	11:00	Sunny	000459	2.7648	2.7798	14317.76	14318.76	1.00	1.19	1.19	1.19	71	211
31-May-11	13:00	Sunny	000469	2.7876	2.8017	14318.76	14319.76	1.00	0.99	0.99	0.99	59	238
4-Jun-11	8:25	Fine	000615	2.7854	2.7903	14343.76	14344.76	1.00	1.16	1.16	1.16	69	71
4-Jun-11	9:35	Fine	000616	2.7849	2.7898	14344.76	14345.76	1.00	1.16	1.16	1.16	69	71
4-Jun-11	13:00	Fine	000617	2.7736	2.7786	14345.76	14346.76	1.00	1.16	1.16	1.16	69	72
10-Jun-11	8:10	Sunny	000625	2.7861	2.7928	14370.76	14371.76	1.00	1.15	1.15	1.15	69	97
10-Jun-11	9:30	Sunny	000629	2.7695	2.7791	14371.76	14372.76	1.00	1.15	1.15	1.15	69	139
10-Jun-11	10:35	Sunny	000633	2.7849	2.7935	14372.76	14373.76	1.00	1.15	1.15	1.15	69	124
16-Jun-11	8:00	Fine	000634	2.7669	2.7779	14397.76	14398.76	1.00	1.17	1.17	1.17	70	157
16-Jun-11	9:00	Fine	000572	2.7919	2.7942	14398.76	14399.76	1.00	1.17	1.17	1.17	70	33
16-Jun-11	10:00	Fine	000589	2.7863	2.7891	14399.76	14400.76	1.00	1.17	1.17	1.17	70	40
22-Jun-11	8:00	Cloudy	000704	2.8030	2.8075	14424.76	14425.76	1.00	1.18	1.18	1.18	71	64
22-Jun-11	9:35	Cloudy	000707	2.7844	2.7904	14425.76	14426.76	1.00	1.18	1.16	1.17	70	86
22-Jun-11	13:20	Cloudy	000420	2.7610	2.7675	14426.76	14427.76	1.00	1.18	1.16	1.17	70	93



Location: CMA6a - WD2 PRE Office

Report on 24-hour TSP monitoring

Action Level - 187.3  $\mu\text{g}/\text{m}^3$   
Limit Level - 260  $\mu\text{g}/\text{m}^3$

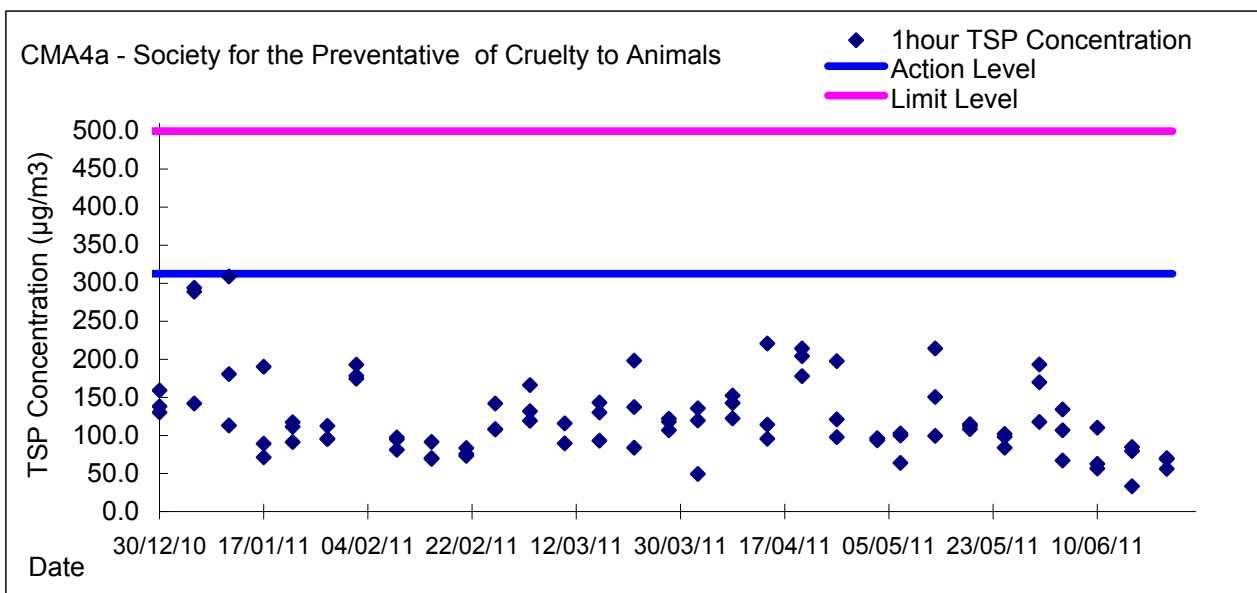
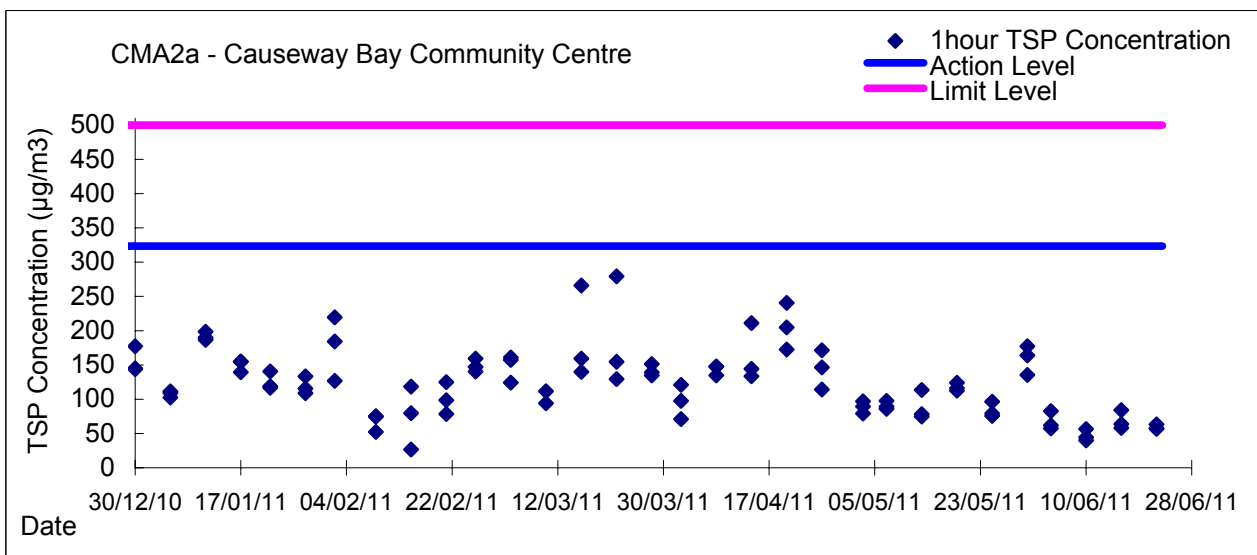
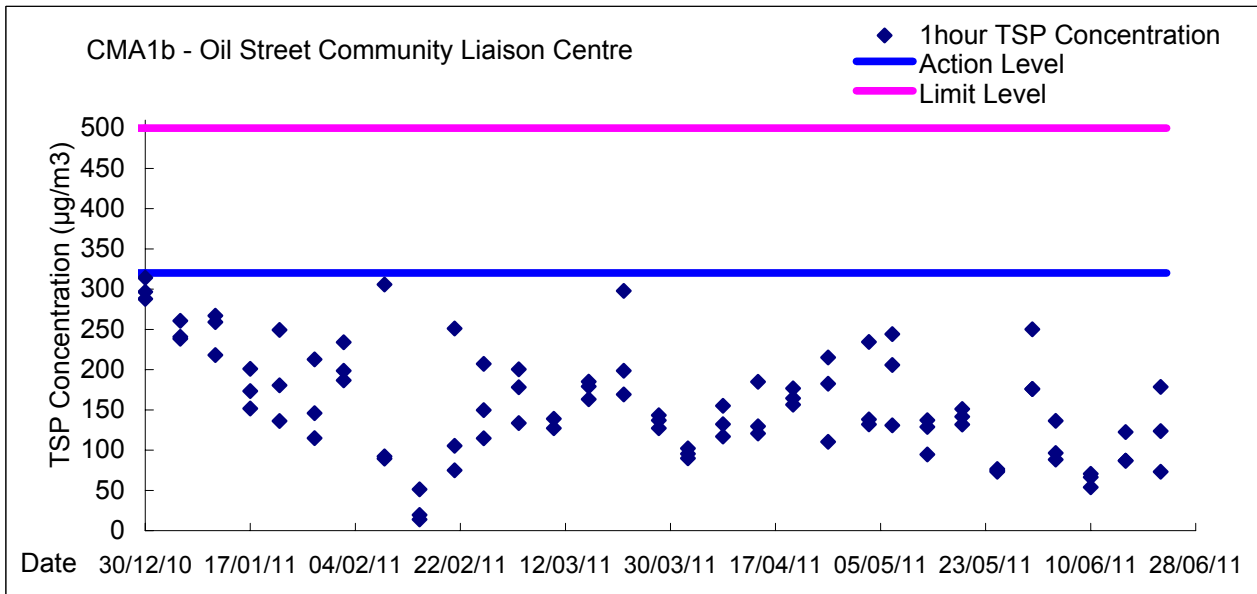
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
30-May-11	8:00	Sunny	000477	2.7875	2.9424	12590.21	12614.21	24.00	1.24	1.24	1.24	1780	87
3-Jun-11	8:00	Fine	000503	2.8047	2.9314	12617.21	12641.21	24.00	1.23	1.23	1.23	1775	71
9-Jun-11	8:00	Sunny	000639	2.7524	2.8203	12644.21	12668.21	24.00	1.23	1.23	1.23	1768	38
15-Jun-11	8:00	Fine	000635	2.7674	2.8455	12671.21	12695.21	24.00	1.25	1.25	1.25	1794	44
21-Jun-11	8:00	Cloudy	000419	2.7598	2.8412	12698.21	12722.21	24.00	1.23	1.23	1.23	1769	46
27-Jun-11	8:00	Fine	000641	2.7509	2.8426	12725.20	12749.20	24.00	1.18	1.18	1.18	54	54

Report on 1-hour TSP monitoring

Action Level - 300.1  $\mu\text{g}/\text{m}^3$   
Limit Level - 500  $\mu\text{g}/\text{m}^3$

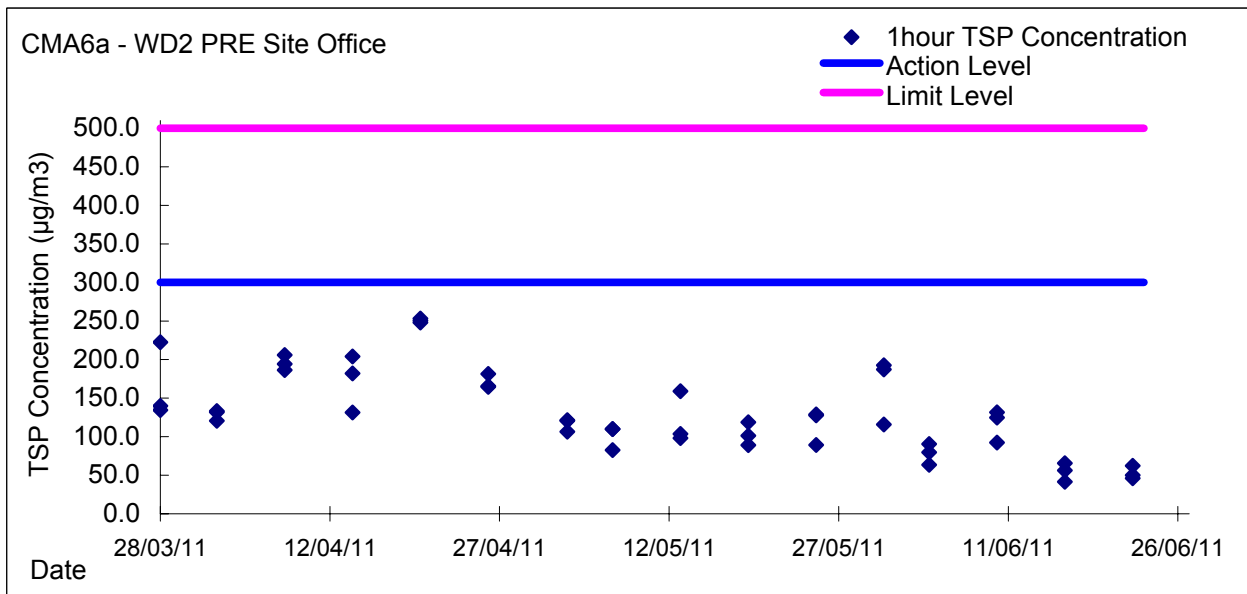
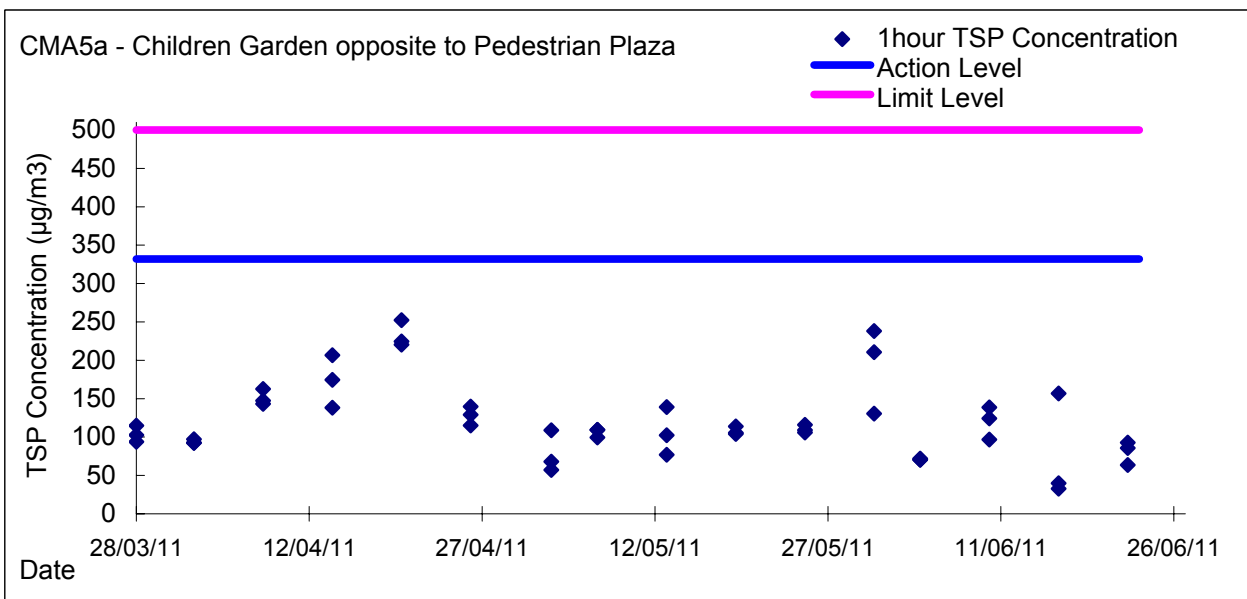
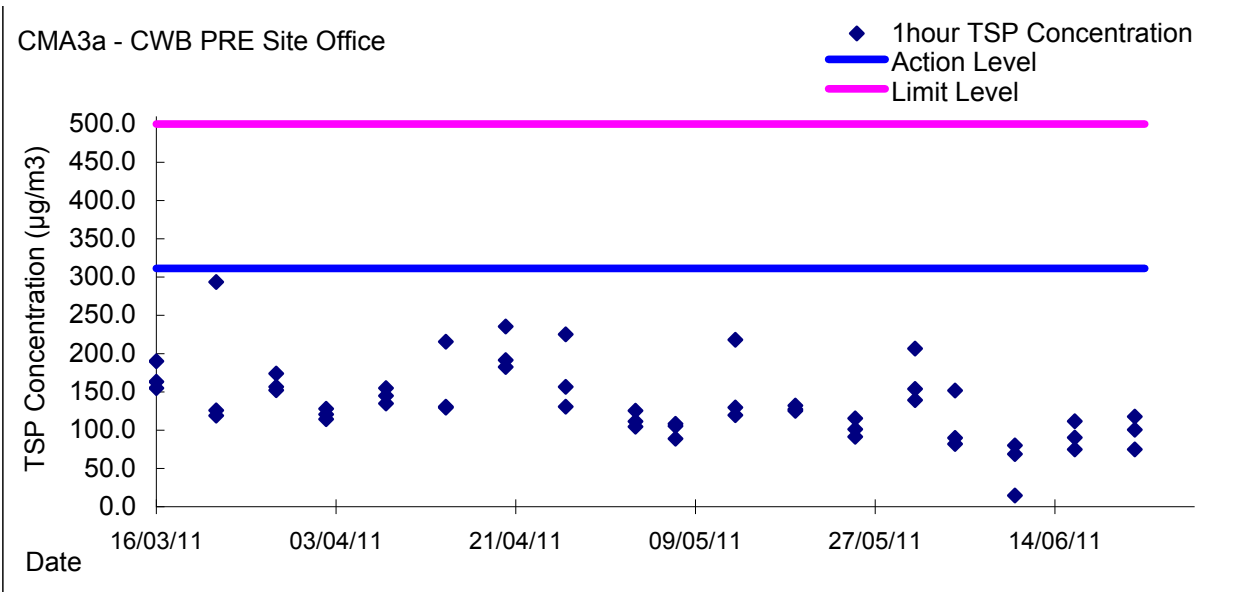
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
31-May-11	8:35	Sunny	000450	2.7636	2.7722	12614.21	12615.21	1.00	1.24	1.24	1.24	74	116
31-May-11	9:55	Sunny	000460	2.7588	2.7727	12615.21	12616.21	1.00	1.24	1.24	1.24	74	187
31-May-11	15:25	Sunny	000452	2.7697	2.7840	12616.21	12617.21	1.00	1.24	1.24	1.24	74	193
4-Jun-11	8:40	Fine	000618	2.8021	2.8068	12641.21	12642.21	1.00	1.23	1.23	1.23	74	64
4-Jun-11	9:50	Fine	000620	2.7806	2.7873	12642.21	12643.21	1.00	1.23	1.23	1.23	74	91
4-Jun-11	10:55	Fine	000621	2.7910	2.7969	12643.21	12644.21	1.00	1.23	1.23	1.23	74	80
10-Jun-11	8:25	Fine	000626	2.8048	2.8116	12668.21	12669.21	1.00	1.23	1.23	1.23	74	92
10-Jun-11	9:40	Fine	000630	2.7803	2.7900	12669.21	12670.21	1.00	1.23	1.23	1.23	74	132
10-Jun-11	10:50	Fine	000638	2.7535	2.7627	12670.21	12671.21	1.00	1.23	1.23	1.23	74	125
16-Jun-11	8:00	Fine	000636	2.7558	2.7589	12695.21	12696.21	1.00	1.24	1.24	1.24	75	42
16-Jun-11	11:00	Fine	000573	2.8013	2.8062	12696.21	12697.21	1.00	1.24	1.24	1.24	75	66
16-Jun-11	13:30	Fine	000590	2.7695	2.7737	12697.21	12698.21	1.00	1.24	1.24	1.24	75	56
22-Jun-11	8:15	Cloudy	000705	2.7841	2.7878	12722.21	12723.21	1.00	1.23	1.23	1.23	74	50
22-Jun-11	10:00	Cloudy	000706	2.7887	2.7933	12723.21	12724.21	1.00	1.23	1.23	1.23	74	62
22-Jun-11	11:00	Cloudy	000728	2.7984	2.8018	12724.21	12725.21	1.00	1.23	1.23	1.23	74	46

**Graphic Presentation of 1 hour TSP Result**

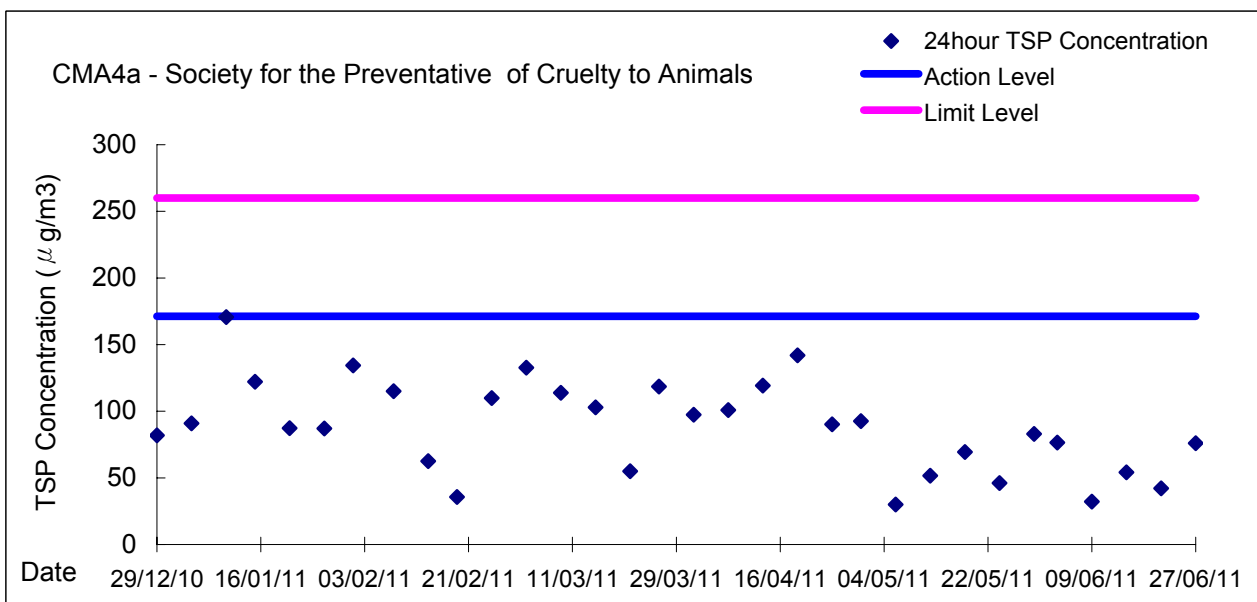
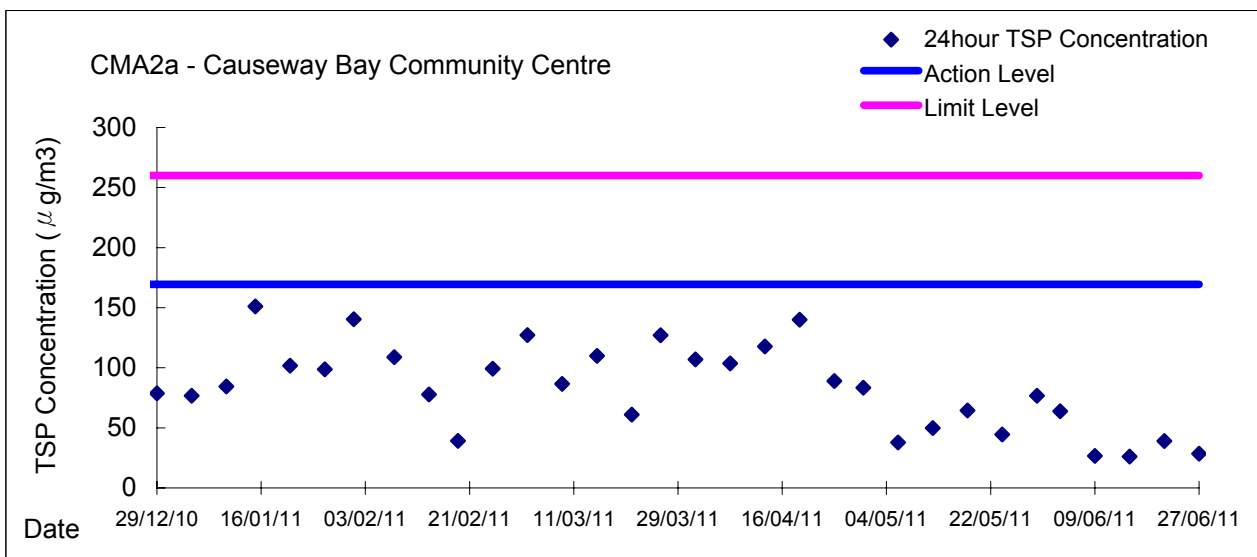
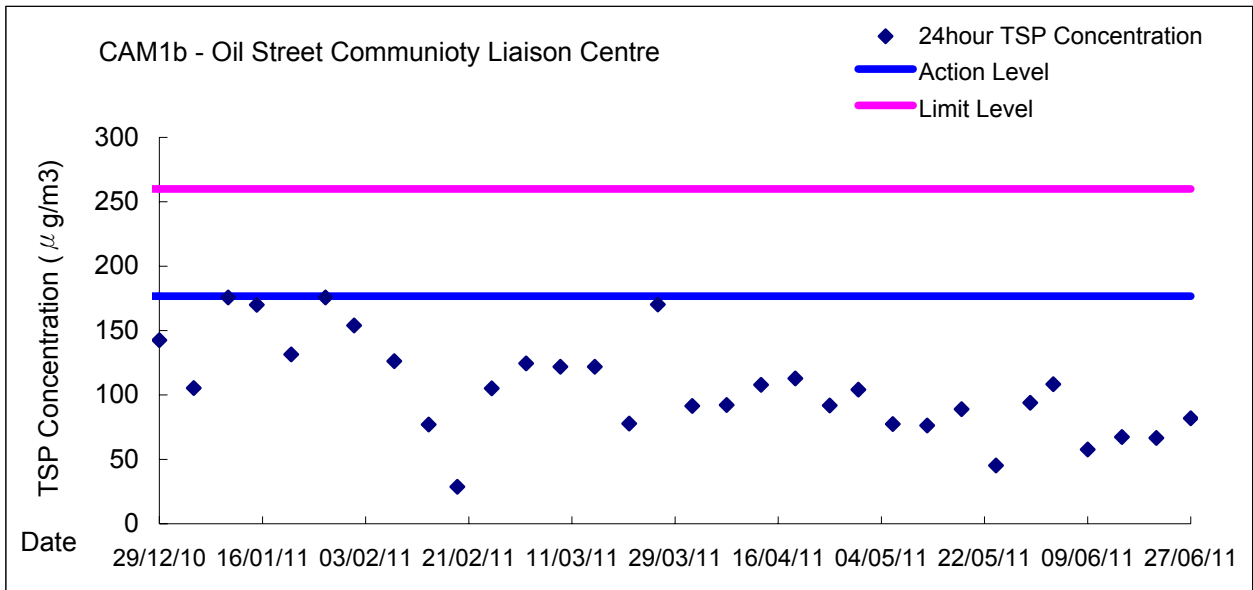




**Graphic Presentation of 1 hour TSP Result**

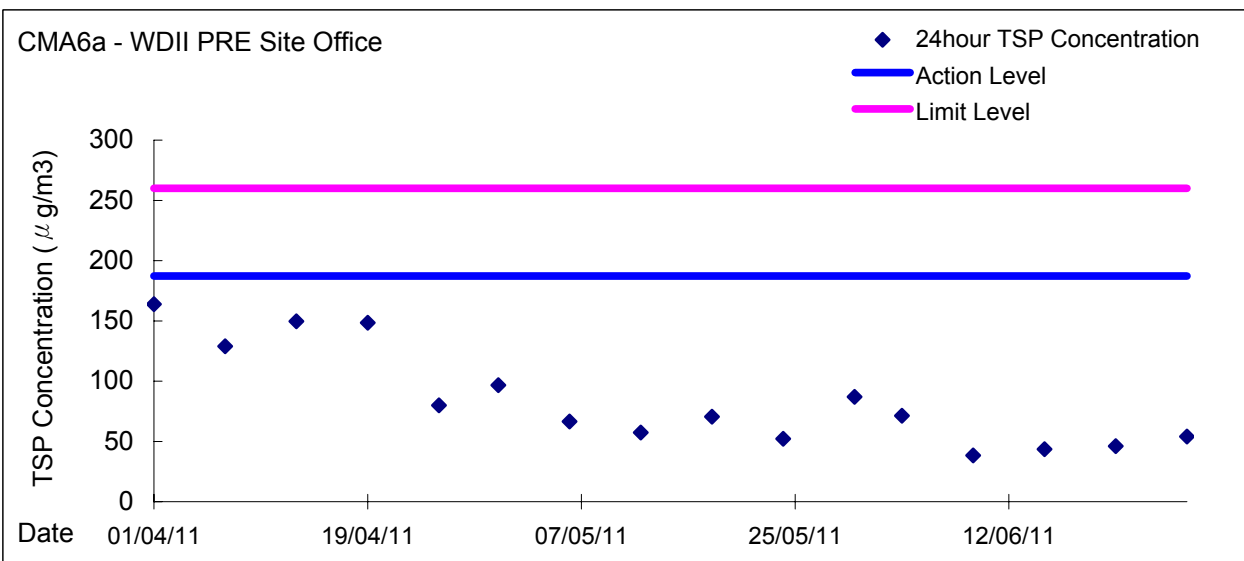
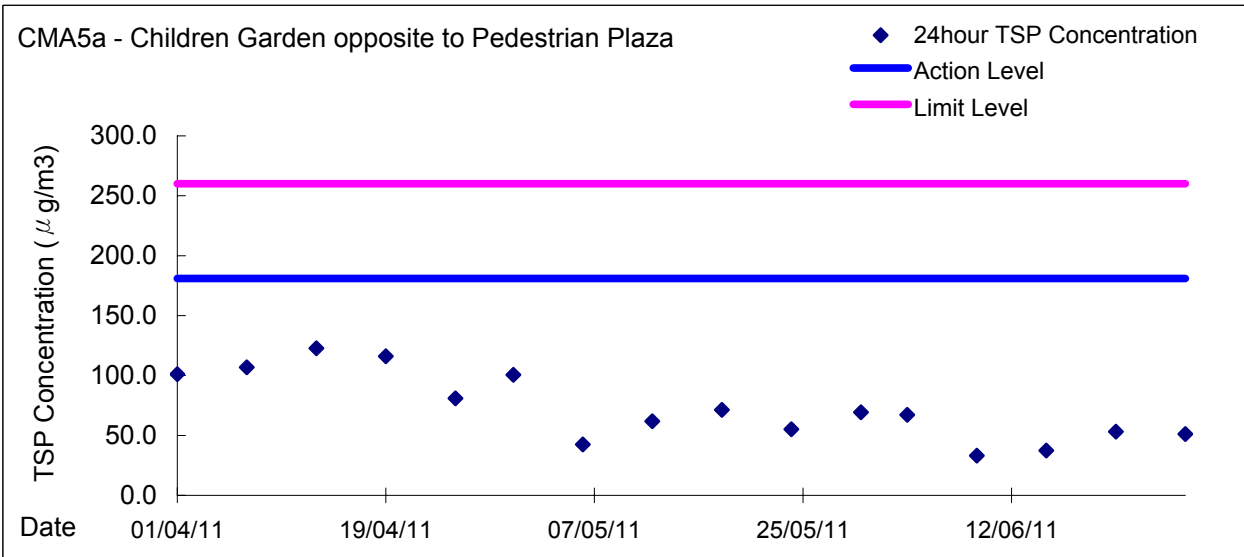
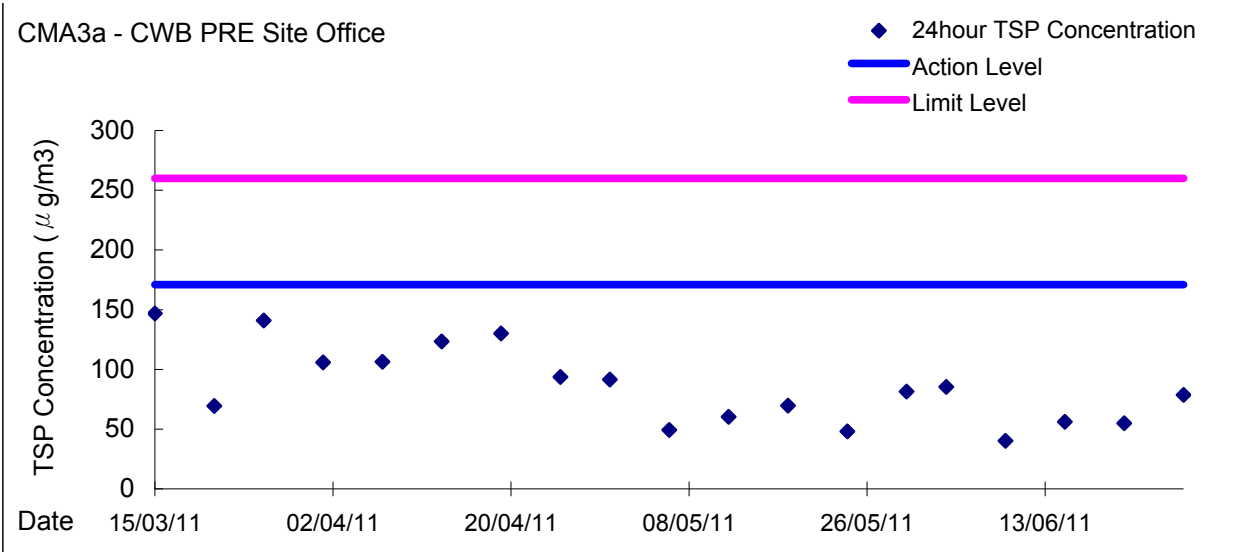


**Graphic Presentation of 24 hour TSP Result**





Graphic Presentation of 24 hour TSP Result





***Appendix 5.4***

*Water Quality Monitoring Results and Graphical Presentations*



**Water Monitoring Result at WSD9 - Tai Wan  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity			Suspended Solids		
					°C			-			ppt			%			mg/L		NTU			mg/L		
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
28/5/2011	1:31	Cloudy	Middle	2.5	25.44	25.44	25.44	7.50	7.50	7.50	31.81	31.81	31.81	88.6	87.4	86.0	6.07	5.98	5.89	3.28	2.86	3.07	4	4.00
	1:32		Middle	2.5	25.44	25.44		7.50	7.50		31.81	31.81		85.3	82.8		5.84	5.66		2.98	3.14		4	
30/5/2011	16:50	Sunny	Middle	2.5	25.32	25.32	25.32	7.39	7.39	7.39	32.45	32.45	32.45	81.2	81.4	80.9	5.55	5.57	5.53	6.49	6.45	6.40	7	6.50
	16:51		Middle	2.5	25.31	25.31		7.38	7.38		32.44	32.44		80.7	80.2		5.52	5.49		6.66	6.00		6	
1/6/2011	16:50	Cloudy	Middle	2.0	27.60	27.58	27.57	7.00	7.00	7.00	32.31	32.31	32.33	70.1	73.7	70.5	4.63	4.86	4.66	3.43	3.61	3.55	5	6.00
	16:51		Middle	2.0	27.55	27.55		7.00	7.00		32.35	32.34		69.6	68.7		4.60	4.54		3.61	3.53		7	
3/6/2011	18:50	Cloudy	Middle	2.0	27.05	27.05	27.05	7.16	7.16	7.16	31.78	31.78	31.78	80.1	75.6	76.3	5.34	5.04	5.09	5.09	4.95	5.07	5	4.50
	18:51		Middle	2.0	27.05	27.05		7.16	7.16		31.78	31.76		74.7	74.7		4.98	4.98		4.97	5.28		4	
7/6/2011	21:25	Cloudy	Middle	2.5	28.60	28.60	28.60	7.14	7.14	7.14	29.96	29.96	29.96	80.0	76.3	77.1	5.25	5.01	5.06	2.53	2.93	2.58	3	3.00
	21:26		Middle	2.5	28.60	28.60		7.14	7.14		29.95	29.95		76.5	75.4		5.02	4.95		2.33	2.53		3	
9/6/2011	8:46	Fine	Middle	2.5	28.20	28.20	28.30	7.85	7.85	7.86	30.09	30.09	30.11	80.2	79.3	80.1	5.29	5.22	5.28	1.46	1.38	1.42	2	2.00
	8:51		Middle	2.5	28.40	28.40		7.86	7.86		30.13	30.13		81.0	79.9		5.34	5.26		1.40	1.44		<2	
11/6/2011	12:55	Cloudy	Middle	2.0	28.20	28.20	28.25	7.97	7.97	7.96	30.30	30.30	30.31	85.4	84.6	85.5	5.62	5.57	5.62	1.85	1.77	1.92	6	6.00
	12:59		Middle	2.0	28.30	28.30		7.94	7.94		30.31	30.31		86.3	85.5		5.67	5.62		2.02	2.02		6	
13/6/2011	15:10	Cloudy	Middle	2.0	28.54	28.54	28.56	6.72	6.72	6.70	29.84	29.84	29.84	73.9	72.6	72.4	4.86	4.77	4.76	3.95	3.49	3.63	6	7.00
	15:11		Middle	2.0	28.57	28.57		6.68	6.68		29.84	29.83		70.4	72.6		4.63	4.77		3.36	3.71		8	
15/6/2011	18:16	Cloudy	Middle	2.0	28.30	28.30	28.30	7.27	7.27	7.27	27.98	27.98	27.98	69.8	65.7	64.9	4.65	4.30	4.30	5.26	5.09	5.25	8	8.00
	18:17		Middle	2.0	28.30	28.30		7.27	7.27		27.98	27.98		62.2	61.9		4.13	4.13		5.02	5.63		8	
17/6/2011	19:57	Cloudy	Middle	2.5	26.50	26.50	26.54	7.09	7.09	7.06	28.91	28.91	28.91	60.1	59.6	60.0	4.11	4.07	4.10	6.58	6.91	6.62	12	12.50
	19:58		Middle	2.5	26.58	26.58		7.02	7.02		28.90	28.90		60.1	60.1		4.11	4.11		6.70	6.28		13	
21/6/2011	7:20	Fine	Middle	2.5	26.50	26.50	26.55	7.95	7.95	7.95	29.07	29.07	29.06	81.7	80.6	80.8	5.56	5.49	5.50	2.39	2.97	2.56	4	4.50
	7:25		Middle	2.5	26.60	26.60		7.94	7.94		29.05	29.05		81.6	79.3		5.56	5.40		2.51	2.38		5	
24/6/2011	20:45	Cloudy	Middle	2.5	27.31	27.31	27.31	7.96	7.96	7.96	29.98	29.98	29.98	88.7	88.5	88.4	5.94	5.93	5.92	5.08	5.31	5.12	6	6.00
	20:46		Middle	2.5	27.31	27.31		7.96	7.96		29.98	29.98		88.1	88.1		5.90	5.90		4.83	5.26		6	
26/6/2011	21:55	Cloudy	Middle	2.0	28.10	28.10	28.10	7.81	7.81	7.83	29.74	29.74	29.66	76.5	78.9	77.2	5.05	5.21	5.10	1.89	1.90	1.81	4	4.00
	21:56		Middle	2.0	28.10	28.10		7.84	7.84		29.57	29.57		76.7	76.6		5.07	5.06		1.70	1.73		4	



**Water Monitoring Result at WSD10 - Cha Kwo Ling  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation		DO		Turbidity		Suspended Solids				
					°C			-			ppt			%		mg/L		NTU		mg/L				
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
28/5/2011	0:55	Cloudy	Middle	2.0	25.51	25.51	25.51	7.23	7.23	7.25	31.46	31.46	31.46	83.2	82.8	82.5	5.70	5.67	5.65	2.64	2.53	2.60	4	4.00
	0:56		Middle	2.0	25.50	25.50		7.26	7.26		31.46	31.46		82.2	81.9		5.62	5.61		2.70	2.52		4	
30/5/2011	15:15	Sunny	Middle	2.5	27.00	27.00	27.01	6.60	6.60	6.60	32.25	32.25	32.24	77.1	76.1	76.2	5.13	5.06	5.07	3.21	3.88	3.57	4	4.00
	15:16		Middle	2.5	27.02	27.02		6.60	6.60		32.22	32.22		75.7	76.0		5.03	5.05		3.51	3.67		4	
1/6/2011	16:10	Cloudy	Middle	2.0	27.56	27.56	27.62	7.01	7.01	7.01	31.84	31.84	31.83	84.0	80.1	81.1	5.55	5.24	5.32	6.31	6.18	6.38	13	14.00
	16:11		Middle	2.0	27.68	27.68		7.01	7.01		31.81	31.84		80.1	80.1		5.24	5.24		6.38	6.66		15	
3/6/2011	17:10	Cloudy	Middle	2.0	29.33	29.33	28.98	6.59	6.59	6.52	31.46	31.46	31.45	77.0	75.3	74.3	5.01	4.90	4.83	5.54	5.56	5.67	7	8.00
	17:11		Middle	2.0	28.63	28.63		6.44	6.44		31.43	31.43		72.4	72.4		4.71	4.71		5.73	5.86		9	
7/6/2011	20:30	Cloudy	Middle	2.0	28.62	28.62	28.62	7.03	7.03	7.03	29.57	29.57	29.57	71.3	69.6	70.5	4.69	4.58	4.63	1.61	1.51	1.58	4	4.00
	20:31		Middle	2.0	28.62	28.62		7.03	7.03		29.57	29.57		70.3	70.6		4.62	4.64		1.64	1.55		4	
9/6/2011	9:22	Fine	Middle	2.0	28.20	28.20	28.35	7.94	7.94	7.93	30.10	30.10	30.07	85.8	84.4	85.5	5.64	5.55	5.62	1.91	1.86	1.82	4	4.00
	9:27		Middle	2.0	28.50	28.50		7.92	7.92		30.03	30.03		86.8	84.9		5.70	5.57		1.73	1.78		4	
11/6/2011	13:27	Cloudy	Middle	2.5	28.10	28.10	28.15	8.00	8.00	8.01	30.23	30.23	30.22	86.3	83.5	84.5	5.69	5.50	5.57	3.55	3.54	3.49	8	7.00
	13:31		Middle	2.5	28.20	28.20		8.01	8.01		30.21	30.21		84.3	83.8		5.58	5.51		3.42	3.44		6	
13/6/2011	13:55	Cloudy	Middle	2.0	28.37	28.37	28.41	6.89	6.89	6.90	29.38	29.37	29.38	64.2	62.2	63.0	4.24	4.10	4.15	5.52	5.88	5.52	8	7.50
	13:56		Middle	2.0	28.45	28.45		6.90	6.90		29.39	29.39		63.1	62.3		4.16	4.11		5.29	5.39		7	
15/6/2011	15:55	Cloudy	Middle	2.0	28.63	28.63	28.63	6.79	6.79	6.79	28.08	28.08	28.07	72.8	72.2	71.5	4.83	4.29	4.62	5.44	5.13	5.31	9	10.00
	15:56		Middle	2.0	28.63	28.64		6.79	6.79		28.05	28.05		70.8	70.3		4.69	4.66		5.35	5.33		11	
17/6/2011	17:13	Cloudy	Middle	2.0	27.14	27.14	27.14	7.02	7.02	7.02	26.60	26.60	26.60	60.5	60.5	60.0	4.14	4.14	4.12	6.75	6.82	6.68	7	7.50
	17:14		Middle	2.0	27.14	27.14		7.02	7.02		26.60	26.60		59.7	59.3		4.13	4.06		6.45	6.71		8	
21/6/2011	6:49	Fine	Middle	2.5	26.10	26.10	26.20	7.94	7.94	7.94	29.93	29.93	29.94	79.9	78.7	79.2	5.44	5.36	5.39	3.03	3.04	3.04	5	6.00
	6:53		Middle	2.5	26.30	26.30		7.93	7.93		29.95	29.95		80.3	78.0		5.46	5.31		3.01	3.09		7	
24/6/2011	1:25	Cloudy	Middle	2.5	27.20	27.20	27.20	8.14	8.14	8.14	30.07	30.07	30.07	80.2	82.2	82.6	5.42	5.54	5.57	4.06	4.19	3.98	8	7.50
	1:26		Middle	2.5	27.20	27.20		8.14	8.14		30.07	30.07		84.4	83.6		5.68	5.62		3.78	3.89		7	
26/6/2011	0:30	Cloudy	Middle	2.0	27.50	27.50	27.50	8.01	8.01	8.01	29.33	29.33	29.33	80.6	79.6	81.5	5.44	5.22	5.44	2.41	2.43	2.28	6	5.00
	0:31		Middle	2.0	27.50	27.50		8.01	8.01		29.33	29.33		82.2	83.5		5.51	5.60		2.15	2.11		4	



**Water Monitoring Result at WSD15 - Sai Wan Ho  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation		DO		Turbidity		Suspended Solids				
					°C			-			ppt			%		mg/L		NTU		mg/L				
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
28/5/2011	5:06	Cloudy	Middle	3.0	25.33	25.33	25.33	7.68	7.68	7.68	32.49	32.49	32.49	78.1	77.7	77.7	5.34	5.31	5.31	2.99	3.32	3.24	5	4.50
	5:07		Middle	3.0	25.33	25.33		7.68	7.68		32.49	32.49		77.7	77.4		5.31	5.29		3.41	3.23		4	
30/5/2011	18:55	Sunny	Middle	3.0	25.54	25.54	25.54	7.53	7.52	7.52	32.66	32.66	32.66	70.0	70.1	70.7	4.76	4.77	4.81	4.84	4.24	4.42	4	4.50
	18:56		Middle	3.0	25.53	25.53		7.52	7.52		32.66	32.66		71.1	71.6		4.83	4.87		4.19	4.40		5	
1/6/2011	20:08	Cloudy	Middle	2.5	26.12	26.12	26.14	7.34	7.34	7.34	32.59	32.59	32.59	79.7	78.5	76.1	5.37	5.29	5.10	5.78	5.58	5.49	8	9.00
	20:09		Middle	2.5	26.15	26.15		7.34	7.34		32.58	32.58		75.4	70.7		5.08	4.64		5.36	5.24		10	
3/6/2011	22:40	Cloudy	Middle	2.5	26.70	26.70	26.72	7.27	7.27	7.27	32.36	32.36	32.36	67.3	66.7	66.2	4.50	4.46	4.43	4.87	4.59	4.79	5	6.00
	22:41		Middle	2.5	26.73	26.73		7.26	7.26		32.36	32.36		64.0	66.9		4.28	4.47		4.58	5.10		7	
7/6/2011	0:00	Cloudy	Middle	2.5	27.90	27.90	27.90	7.31	7.31	7.31	31.18	31.18	31.18	80.9	80.0	80.0	5.35	5.28	5.28	1.15	1.25	1.18	4	4.00
	0:01		Middle	2.5	27.90	27.90		7.31	7.31		31.18	31.18		79.5	79.5		5.25	5.25		1.18	1.15		4	
9/6/2011	9:55	Fine	Middle	2.5	28.00	28.00	28.05	7.89	7.89	7.89	30.54	30.54	30.54	75.3	73.9	76.2	4.97	4.87	5.02	1.83	1.78	1.83	5	6.00
	10:00		Middle	2.5	28.10	28.10		7.89	7.89		30.53	30.53		78.2	77.4		5.15	5.10		1.73	1.99		7	
11/6/2011	14:15	Cloudy	Middle	2.5	28.90	28.90	28.90	7.95	7.95	7.95	30.41	30.41	30.43	78.0	75.7	78.3	5.07	4.93	5.09	3.70	3.01	3.09	6	5.00
	14:19		Middle	2.5	28.90	28.90		7.94	7.94		30.45	30.45		80.2	79.4		5.21	5.16		2.95	2.69		4	
13/6/2011	18:54	Cloudy	Middle	2.5	27.50	27.50	27.53	6.89	6.89	6.89	30.81	30.81	30.81	61.1	61.0	61.6	4.08	4.07	4.11	2.36	2.30	2.33	6	7.00
	18:55		Middle	2.5	27.55	27.55		6.89	6.89		30.80	30.80		62.1	62.0		4.14	4.14		2.27	2.38		8	
15/6/2011	20:34	Cloudy	Middle	2.5	27.11	27.11	27.12	7.12	7.12	7.12	30.05	30.05	30.05	63.5	64.2	64.3	4.27	4.32	4.32	4.21	4.47	4.29	4	5.00
	20:35		Middle	2.5	27.12	27.12		7.11	7.11		30.05	30.05		65.0	64.3		4.35	4.32		4.06	4.43		6	
17/6/2011	23:28	Cloudy	Middle	2.5	26.29	26.29	26.30	7.12	7.12	7.12	28.43	28.43	28.43	60.2	59.7	59.9	4.14	4.10	4.12	3.26	3.11	3.17	<2	<2
	23:29		Middle	2.5	26.31	26.31		7.12	7.12		28.43	28.43		59.5	60.1		4.10	4.14		2.95	3.36		<2	
21/6/2011	9:24	Fine	Middle	3.0	26.10	26.10	26.10	8.00	8.00	7.99	29.51	29.51	29.52	83.9	81.8	83.2	5.75	5.61	5.71	3.00	2.71	2.78	4	5.00
	9:28		Middle	3.0	26.10	26.10		7.98	7.98		29.52	29.52		84.4	82.7		5.79	5.67		2.67	2.74		6	
24/6/2011	0:18	Cloudy	Middle	3.0	26.90	26.90	26.90	8.12	8.12	8.12	30.73	30.73	30.73	77.0	77.0	77.7	5.16	5.16	5.21	2.43	2.93	2.56	8	8.00
	0:19		Middle	3.0	26.90	26.90		8.12	8.12		30.73	30.73		78.5	78.3		5.26	5.24		2.50	2.36		8	
26/6/2011	4:45	Cloudy	Middle	2.5	27.99	27.99	27.99	8.00	8.00	7.99	28.64	28.64	28.64	76.0	74.7	74.8	5.08	4.99	4.99	1.24	1.16	1.17	4	4.00
	4:46		Middle	2.5	27.99	27.99		7.97	7.97		28.64	28.64		74.2	74.2		4.95	4.95		1.13	1.14		4	



**Water Monitoring Result at WSD17 - Quarry Bay  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation		DO		Turbidity		Suspended Solids				
					°C			-			ppt			%		mg/L		NTU		mg/L				
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
28/5/2011	4:40	Cloudy	Middle	2.5	25.34	25.34	25.34	7.55	7.55	7.55	32.33	32.33	32.33	79.9	79.4	79.2	5.46	5.46	5.42	2.17	2.11	2.11	2	2.50
	4:41		Middle	2.5	25.34	25.34		7.55	7.55		32.33	32.33		78.6	78.9		5.37	5.39		2.07	2.07		3	
30/5/2011	18:32	Sunny	Middle	3.0	25.66	25.66	25.60	7.48	7.48	7.48	32.68	32.68	32.69	77.0	76.4	75.7	5.13	5.18	5.11	7.91	7.41	7.45	13	12.00
	18:33		Middle	3.0	25.54	25.54		7.48	7.48		32.70	32.70		74.7	74.5		5.07	5.06		6.92	7.56		11	
1/6/2011	19:40	Cloudy	Middle	2.5	26.40	26.40	26.47	7.46	7.46	7.41	32.61	32.61	32.60	76.4	71.4	71.4	5.12	4.79	4.79	7.76	7.71	7.27	16	15.00
	19:41		Middle	2.5	26.53	26.53		7.35	7.35		32.58	32.58		70.6	67.2		4.73	4.50		6.65	6.96		14	
3/6/2011	22:11	Cloudy	Middle	2.5	26.75	26.76	26.76	7.36	7.36	7.35	32.41	32.40	32.39	76.4	75.6	75.4	5.10	5.04	5.03	3.73	3.31	3.56	5	4.50
	22:12		Middle	2.5	26.76	26.76		7.33	7.33		32.38	32.38		75.0	74.4		5.00	4.96		3.85	3.35		4	
7/6/2011	23:34	Cloudy	Middle	2.5	27.80	27.87	27.83	7.25	7.25	7.25	30.03	30.03	30.05	74.7	75.1	74.2	4.96	4.99	4.93	2.10	1.95	2.02	4	4.00
	23:35		Middle	2.5	27.82	27.82		7.24	7.24		30.06	30.06		73.6	73.5		4.89	4.89		2.08	1.95		4	
9/6/2011	10:23	Fine	Middle	2.5	28.60	28.60	28.70	7.90	7.90	7.90	30.01	30.01	30.02	77.1	74.0	76.7	5.04	4.81	5.00	1.14	1.03	1.09	4	3.50
	10:27		Middle	2.5	28.80	28.80		7.90	7.90		30.03	30.03		78.4	77.1		5.11	5.03		1.09	1.10		3	
11/6/2011	14:40	Cloudy	Middle	2.5	28.90	28.90	29.00	7.93	7.93	7.93	30.25	30.25	30.21	82.3	80.7	82.1	5.33	5.22	5.30	1.92	1.86	1.96	5	4.00
	14:45		Middle	2.5	29.10	29.10		7.93	7.93		30.17	30.17		84.0	81.5		5.40	5.24		2.05	2.02		3	
13/6/2011	18:25	Cloudy	Middle	2.5	28.13	28.13	28.14	6.81	6.81	6.81	29.85	29.85	29.85	59.5	58.2	59.7	3.87	3.85	3.94	2.87	2.72	2.82	7	7.00
	18:26		Middle	2.5	28.14	28.14		6.81	6.81		29.85	29.85		60.6	60.6		4.01	4.01		2.70	2.98		7	
15/6/2011	20:05	Cloudy	Middle	2.5	27.21	27.21	27.21	7.10	7.10	7.10	29.69	29.69	29.69	63.9	62.9	62.2	4.29	4.23	4.18	5.03	4.50	4.92	8	7.00
	20:06		Middle	2.5	27.21	27.21		7.09	7.09		29.69	29.70		61.5	60.3		4.13	4.05		5.15	4.98		6	
17/6/2011	23:00	Cloudy	Middle	2.5	26.24	26.24	26.24	7.11	7.11	7.11	27.94	27.94	27.94	63.0	60.2	61.1	4.35	4.15	4.22	3.37	3.22	3.16	<2	<2
	23:01		Middle	2.5	26.24	26.24		7.10	7.10		27.93	27.93		61.0	60.2		4.21	4.15		2.96	3.08		<2	
21/6/2011	9:46	Fine	Middle	3.0	27.10	27.10	27.15	7.96	7.96	7.97	29.23	29.23	29.21	85.1	83.3	84.8	5.70	5.58	5.67	2.08	2.04	2.10	6	5.50
	9:50		Middle	3.0	27.20	27.20		7.97	7.97		29.19	29.19		86.7	83.9		5.78	5.60		2.28	2.01		5	
24/6/2011	23:55	Cloudy	Middle	2.5	26.90	26.90	26.90	8.11	8.11	8.11	30.51	30.51	30.51	80.5	79.2	80.7	5.40	5.31	5.41	2.31	2.55	2.32	8	6.50
	23:56		Middle	2.5	26.90	26.90		8.11	8.11		30.51	30.51		81.1	81.9		5.44	5.50		1.91	2.49		5	
26/6/2011	4:30	Cloudy	Middle	2.5	28.34	28.34	28.34	8.03	8.03	8.01	28.59	28.59	28.59	76.6	76.2	76.2	5.09	5.06	5.06	1.28	1.23	1.26	9	8.00
	4:31		Middle	2.5	28.33	28.33		7.98	7.98		28.58	28.58		76.2	75.8		5.06	5.03		1.27	1.24		7	





**Water Monitoring Result at C9 - Provident Centre  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
					Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average
28/5/2011	6:03	Cloudy	Middle	2.0	25.12	25.12	25.12	7.54	7.54	7.51	32.21	32.21	32.21	72.9	73.3	72.7	5.01	5.03	4.99	3.03	3.14	3.07	4	4.00
	6:04		Middle	2.0	25.12	25.12		7.48	7.48		32.21	32.21		72.4	72.1		4.97	4.95		2.94	3.15		4	
30/5/2011	20:30	Sunny	Middle	2.0	25.04	25.04	25.03	7.43	7.40	7.40	32.45	32.45	32.45	71.3	70.0	70.2	4.90	4.80	4.82	4.44	4.11	4.21	6	5.50
	20:31		Middle	2.0	25.02	25.02		7.39	7.39		32.44	32.44		70.2	69.1		4.82	4.74		4.04	4.23		5	
1/6/2011	18:09	Cloudy	Middle	2.0	26.80	26.80	26.80	7.91	7.91	7.91	32.82	32.82	32.82	62.5	62.5	62.6	4.20	4.20	4.23	6.11	5.64	5.76	9	8.50
	18:10		Middle	2.0	26.80	26.80		7.91	7.91		32.82	32.82		61.0	64.3		4.18	4.34		5.78	5.49		8	
3/6/2011	22:33	Cloudy	Middle	2.0	26.91	26.91	26.92	7.24	7.24	7.23	31.87	31.87	31.84	76.5	74.5	74.0	5.11	4.98	4.94	5.14	5.05	5.06	7	7.00
	22:34		Middle	2.0	26.93	26.93		7.22	7.22		31.81	31.81		73.3	71.6		4.89	4.79		5.01	5.03		7	
7/6/2011	22:40	Cloudy	Middle	2.0	27.70	27.80	27.78	7.96	7.96	7.97	29.71	29.71	29.73	80.1	78.8	79.6	5.30	5.21	5.27	1.91	1.84	1.87	4	3.50
	22:41		Middle	2.0	27.80	27.80		7.98	7.98		29.75	29.75		80.4	79.0		5.32	5.23		1.88	1.86		3	
9/6/2011	13:20	Fine	Middle	2.0	28.00	28.00	28.00	8.03	8.03	8.02	29.76	29.76	29.74	73.9	73.6	72.6	4.91	4.88	4.82	2.07	1.90	1.98	2	2.00
	13:23		Middle	2.0	28.00	28.00		8.00	8.00		29.72	29.72		71.4	71.6		4.74	4.76		2.01	1.94		<2	
11/6/2011	16:55	Cloudy	Middle	2.0	28.00	28.00	27.95	7.91	7.91	7.91	29.76	29.76	29.83	73.8	73.2	72.7	4.89	4.86	4.82	3.90	3.67	3.84	4	4.50
	16:58		Middle	2.0	27.90	27.90		7.91	7.91		29.89	29.89		71.8	72.0		4.76	4.78		3.92	3.85		5	
13/6/2011	17:50	Cloudy	Middle	2.0	28.36	28.36	28.35	6.78	6.78	6.78	29.52	29.52	29.53	61.2	61.9	61.8	4.04	4.09	4.08	5.38	5.23	5.27	10	9.50
	17:51		Middle	2.0	28.33	28.33		6.77	6.77		29.53	29.53		61.2	62.7		4.04	4.14		4.99	5.47		9	
15/6/2011	19:32	Cloudy	Middle	2.0	27.96	27.97	27.98	7.16	7.16	7.15	28.01	28.01	28.00	62.7	60.6	60.9	4.20	4.04	4.08	5.88	5.80	5.46	7	7.50
	19:33		Middle	2.0	27.99	27.99		7.14	7.14		28.00	27.98		60.0	60.3		4.03	4.04		4.94	5.21		8	
17/6/2011	22:35	Cloudy	Middle	2.0	26.63	26.63	26.63	7.12	7.12	7.12	28.30	28.30	28.30	67.7	65.4	65.3	4.63	4.50	4.48	4.26	4.51	4.29	2	2.50
	22:36		Middle	2.0	26.63	26.63		7.12	7.12		28.30	28.30		64.0	64.2		4.38	4.40		4.10	4.28		3	
21/6/2011	11:07	Fine	Middle	2.0	26.50	26.50	26.45	7.97	7.97	7.97	29.31	29.31	29.31	80.5	80.3	80.7	5.49	5.48	5.51	3.70	3.86	3.69	6	6.00
	11:10		Middle	2.0	26.40	26.40		7.97	7.97		29.30	29.30		81.1	80.9		5.54	5.53		3.74	3.47		6	
24/6/2011	23:30	Cloudy	Middle	2.0	27.40	27.40	27.40	7.95	7.95	7.95	30.14	30.14	30.14	68.2	66.7	67.3	4.60	4.46	4.52	4.00	3.59	3.74	7	7.00
	23:31		Middle	2.0	27.40	27.40		7.95	7.95		30.14	30.14		67.2	67.1		4.51	4.50		3.89	3.46		7	
26/6/2011	5:08	Cloudy	Middle	2.0	28.29	28.29	28.29	7.98	7.98	7.98	28.61	28.61	28.61	85.7	86.0	86.0	6.07	6.08	6.08	2.57	2.41	2.51	6	5.50
	5:09		Middle	2.0	28.29	28.29		7.98	7.98		28.61	28.61		86.1	86.0		6.09	6.08		2.56	2.48		5	



**Water Monitoring Result at C8 - City Garden  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
					Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average
28/5/2011	4:20	Cloudy	Middle	2.0	25.47	25.48	25.48	7.40	7.40	7.40	32.13	32.13	32.12	72.8	71.4	72.0	4.97	4.88	4.92	2.45	2.46	2.44	5	4.00
	4:21		Middle	2.0	25.48	25.48		7.40	7.40		32.11	32.11		72.2	71.7		4.94	4.90		2.29	2.57		3	
30/5/2011	18:15	Sunny	Middle	2.0	25.91	25.91	25.91	7.28	7.28	7.25	31.66	31.66	31.66	72.3	73.4	72.0	4.91	4.99	4.88	5.80	5.59	5.51	8	7.00
	18:16		Middle	2.0	25.91	25.91		7.21	7.21		31.66	31.66		72.4	70.0		4.92	4.70		5.04	5.60		6	
1/6/2011	19:15	Cloudy	Middle	2.0	26.80	26.80	26.82	7.28	7.28	7.24	31.97	31.97	31.97	64.0	65.8	66.6	4.28	4.40	4.45	6.42	7.23	6.58	13	12.00
	19:16		Middle	2.0	26.85	26.84		7.19	7.19		31.96	31.96		68.2	68.2		4.56	4.56		6.43	6.24		11	
3/6/2011	20:18	Cloudy	Middle	2.0	27.44	27.44	27.44	7.11	7.11	7.11	31.61	31.61	31.61	60.8	63.7	61.8	4.03	4.22	4.09	6.30	6.19	6.13	11	10.50
	20:19		Middle	2.0	27.44	27.44		7.11	7.11		31.61	31.61		59.6	62.9		3.95	4.17		6.03	6.00		10	
7/6/2011	23:11	Cloudy	Middle	2.0	28.06	28.06	28.10	7.20	7.20	7.20	29.99	29.99	29.99	77.6	77.5	76.1	5.13	5.13	5.04	4.06	3.97	4.15	5	5.50
	23:12		Middle	2.0	28.13	28.13		7.19	7.19		29.99	29.99		75.0	74.4		4.96	4.92		4.29	4.26		6	
9/6/2011	12:44	Fine	Middle	2.0	28.80	28.80	28.90	7.85	7.85	7.85	29.14	29.14	29.13	68.6	67.8	68.3	4.48	4.43	4.46	4.48	4.16	4.20	4	5.00
	12:47		Middle	2.0	29.00	29.00		7.85	7.85		29.12	29.12		69.0	67.6		4.50	4.41		4.03	4.14		6	
11/6/2011	16:30	Cloudy	Middle	2.0	28.50	28.40	28.48	7.90	7.90	7.90	29.73	29.73	29.72	78.4	78.3	77.5	5.16	5.15	5.10	2.88	2.57	2.74	5	4.00
	16:33		Middle	2.0	28.50	28.50		7.90	7.90		29.71	29.71		76.4	77.0		5.02	5.06		2.98	2.51		3	
13/6/2011	17:10	Cloudy	Middle	2.0	28.46	28.46	28.36	6.88	6.88	6.86	29.19	29.19	29.24	62.3	62.5	62.4	4.12	4.14	4.13	5.00	4.76	4.69	8	9.00
	17:11		Middle	2.0	28.26	28.26		6.83	6.83		29.29	29.29		62.5	62.3		4.14	4.12		4.55	4.44		10	
15/6/2011	19:12	Cloudy	Middle	2.0	28.57	28.57	28.57	7.15	7.15	7.15	27.90	27.91	27.90	63.7	61.5	62.3	4.23	4.08	4.14	5.34	5.40	5.21	10	9.50
	19:13		Middle	2.0	28.57	28.57		7.15	7.15		27.90	27.90		61.8	62.1		4.11	4.12		5.08	5.02		9	
17/6/2011	22:15	Cloudy	Middle	2.0	26.89	26.89	26.89	7.10	7.10	7.10	27.65	27.65	27.65	64.8	62.4	63.0	4.48	4.27	4.32	4.43	4.04	4.10	2	2.50
	22:16		Middle	2.0	26.89	26.89		7.10	7.10		27.65	27.65		62.3	62.3		4.27	4.27		3.92	4.01		3	
21/6/2011	10:46	Fine	Middle	2.0	27.00	27.00	27.10	7.89	7.89	7.89	29.04	29.04	29.03	75.5	73.1	75.2	5.10	4.93	5.07	3.86	4.01	3.81	7	6.50
	10:49		Middle	2.0	27.20	27.20		7.89	7.89		29.02	29.02		77.0	75.3		5.19	5.07		3.73	3.65		6	
24/6/2011	23:18	Cloudy	Middle	2.0	27.20	27.20	27.20	7.93	7.93	7.93	30.18	30.18	30.18	66.0	66.9	64.7	4.42	4.48	4.34	2.50	2.28	2.43	7	6.00
	23:19		Middle	2.0	27.20	27.20		7.93	7.93		30.18	30.18		63.4	62.6		4.25	4.19		2.15	2.79		5	
26/6/2011	3:55	Cloudy	Middle	2.0	28.03	28.03	28.03	7.97	7.92	7.93	28.48	28.48	28.48	69.6	67.8	68.7	4.65	4.89	4.86	1.82	1.88	1.75	5	6.00
	3:56		Middle	2.0	28.03	28.03		7.92	7.92		28.48	28.48		68.9	68.3		4.97	4.93		1.52	1.76		7	



**Water Monitoring Result at C7 - Windsor House  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
28/5/2011	3:44	Cloudy	Middle	1.5	25.61	25.61	25.61	7.15	7.11	7.12	31.22	31.22	31.22	69.6	69.3	69.4	4.76	4.74	4.75	1.20	1.03	1.03	6	5.00
	3:45		Middle	1.5	25.61	25.61		7.10	7.10		31.22	31.22		68.8	69.7		4.71	4.77		1.06	0.83		4	
30/5/2011	18:00	Sunny	Middle	1.5	26.41	26.41	26.41	7.19	7.19	7.19	31.71	31.71	31.71	75.7	75.4	75.0	5.10	5.08	5.05	3.17	2.89	3.12	7	6.00
	18:01		Middle	1.5	26.40	26.40		7.19	7.19		31.71	31.71		74.2	74.5		5.00	5.02		3.20	3.23		5	
1/6/2011	18:55	Cloudy	Middle	1.5	27.15	27.15	27.15	7.41	7.41	7.38	28.98	28.99	28.99	79.8	72.8	77.1	5.39	4.92	5.21	3.04	2.97	2.95	4	4.00
	18:56		Middle	1.5	27.15	27.15		7.35	7.35		28.99	28.99		76.1	79.8		5.14	5.39		2.74	3.03		4	
3/6/2011	19:55	Cloudy	Middle	1.5	27.26	27.26	27.27	7.08	7.07	7.06	31.12	31.12	31.12	71.3	67.0	69.4	4.75	4.46	4.62	7.12	6.75	6.99	9	7.50
	19:56		Middle	1.5	27.27	27.27		7.05	7.05		31.12	31.12		69.5	69.6		4.63	4.64		7.19	6.90		6	
7/6/2011	22:55	Cloudy	Middle	1.5	28.11	28.11	28.11	7.03	7.03	7.02	29.26	29.26	29.26	68.7	68.7	66.5	4.56	4.56	4.42	4.10	3.86	4.05	6	7.00
	22:56		Middle	1.5	28.11	28.11		7.01	7.01		29.26	29.26		66.1	62.6		4.39	4.15		4.04	4.19		8	
9/6/2011	12:30	Fine	Middle	1.5	28.80	28.80	28.90	7.75	7.75	7.76	29.19	29.19	29.19	62.8	61.3	62.5	4.08	3.97	4.05	3.22	3.50	3.22	5	15.50
	12:32		Middle	1.5	29.00	29.00		7.76	7.76		29.18	29.18		63.6	62.4		4.12	4.04		3.17	3.00		26	
11/6/2011	16:14	Cloudy	Middle	1.5	28.80	28.80	28.85	7.81	7.81	7.80	29.28	29.28	29.28	62.6	61.8	62.5	4.10	4.05	4.08	2.44	2.96	2.76	6	5.00
	16:16		Middle	1.5	28.90	28.90		7.79	7.79		29.28	29.28		64.0	61.7		4.13	4.04		2.80	2.84		4	
13/6/2011	15:50	Cloudy	Middle	1.5	28.60	28.60	28.70	7.73	7.73	7.73	28.66	28.66	28.66	48.4	47.1	48.2	3.19	3.10	3.18	5.63	5.49	5.67	3	3.00
	15:51		Middle	1.5	28.80	28.80		7.73	7.73		28.66	28.66		50.0	47.2		3.30	3.11		5.72	5.83		3	
15/6/2011	18:55	Cloudy	Middle	1.5	28.55	28.55	28.55	7.00	7.00	7.00	27.87	27.87	27.87	59.0	59.9	59.8	3.92	3.98	3.98	3.88	3.95	3.78	8	7.00
	18:56		Middle	1.5	28.55	28.55		7.00	7.00		27.87	27.87		60.2	60.0		4.00	4.00		3.68	3.59		6	
17/6/2011	21:56	Cloudy	Middle	1.5	27.23	27.23	27.23	7.00	7.00	7.00	26.62	26.62	26.62	57.2	56.1	58.2	3.93	3.86	4.01	3.07	3.15	3.07	<2	<2
	21:57		Middle	1.5	27.23	27.23		7.00	7.00		26.62	26.62		59.7	59.7		4.13	4.13		3.00	3.06		<2	
21/6/2011	10:25	Fine	Middle	1.5	27.10	27.10	27.20	7.85	7.85	7.85	28.72	28.72	28.68	61.3	60.1	61.0	4.14	4.06	4.12	8.68	8.40	8.39	10	10.50
	10:28		Middle	1.5	27.30	27.30		7.84	7.84		28.64	28.64		62.0	60.7		4.18	4.09		8.33	8.13		11	
24/6/2011	23:03	Cloudy	Middle	1.5	27.10	27.10	27.10	7.90	7.90	7.90	29.79	29.79	29.79	77.3	77.9	77.1	5.19	5.24	5.18	1.92	1.96	1.93	5	4.50
	23:04		Middle	1.5	27.10	27.10		7.90	7.90		29.79	29.79		77.6	75.6		5.21	5.08		2.04	1.80		4	
26/6/2011	3:18	Cloudy	Middle	1.5	28.04	28.04	28.04	7.82	7.82	7.82	28.41	28.41	28.42	61.0	60.8	60.7	4.06	4.06	4.05	1.76	1.72	1.73	4	5.00
	3:19		Middle	1.5	28.04	28.04		7.82	7.82		28.42	28.42		60.4	60.4		4.03	4.03		1.70	1.72		6	



**Water Monitoring Result at C1 - HKCEC Extension  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity		Suspended Solids			
					°C			-			ppt			%			mg/L		NTU		mg/L			
			m		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average		
28/5/2011	23:38	Cloudy	Middle	2.0	25.40	25.40	25.40	7.34	7.34	7.34	31.88	31.88	31.88	70.1	69.2	68.8	4.79	4.73	4.71	4.21	4.54	4.45	7	7.00
	23:39		Middle	2.0	25.40	25.40		7.34	7.34		31.88	31.88		68.2	67.7		4.67	4.63		4.36	4.67		7	
30/5/2011	17:05	Sunny	Middle	2.5	26.60	26.60	26.65	7.99	7.99	7.99	32.70	32.70	32.75	90.6	90.4	90.4	6.02	6.01	6.00	4.00	3.92	4.00	7	6.50
	17:08		Middle	2.5	26.70	26.70		7.98	7.98		32.80	32.80		90.3	90.1		5.98	5.97		3.87	4.21		6	
1/6/2011	19:15	Cloudy	Middle	2.0	26.40	26.40	26.40	7.96	7.96	7.96	32.50	32.50	32.50	84.4	83.7	83.7	5.52	5.50	5.50	5.76	5.58	5.45	11	10.00
	19:16		Middle	2.0	26.40	26.40		7.96	7.96		32.50	32.50		83.5	83.3		5.49	5.47		5.25	5.21		9	
3/6/2011	20:12	Cloudy	Middle	2.0	27.00	27.00	27.00	7.93	7.93	7.93	31.90	31.90	31.90	87.7	87.6	87.4	5.75	5.74	5.71	5.23	5.48	5.20	5	7.00
	20:13		Middle	2.0	27.00	27.00		7.93	7.93		31.90	31.90		87.1	87.0		5.69	5.66		5.07	5.00		9	
7/6/2011	20:30	Cloudy	Middle	2.0	27.90	27.90	27.90	7.30	7.30	7.30	29.00	29.00	29.00	75.9	75.5	72.1	5.05	5.04	4.80	1.93	1.86	1.93	5	4.00
	20:31		Middle	2.0	27.90	27.90		7.30	7.30		29.00	29.00		68.4	68.5		4.55	4.55		1.94	1.99		3	
9/6/2011	10:35	Fine	Middle	2.0	29.40	29.40	29.45	7.90	7.90	7.90	29.00	29.00	29.05	89.2	88.5	88.4	5.80	5.76	5.74	1.71	1.70	1.62	4	4.00
	10:38		Middle	2.0	29.50	29.50		7.89	7.89		29.10	29.10		88.1	87.6		5.72	5.69		1.56	1.52		4	
11/6/2011	14:02	Cloudy	Middle	2.5	28.80	28.80	28.85	7.86	7.86	7.87	29.80	29.80	29.85	84.2	82.8	82.6	5.43	5.35	5.33	2.96	2.88	2.92	5	4.50
	14:05		Middle	2.5	28.90	28.90		7.87	7.87		29.90	29.90		82.0	81.2		5.29	5.25		2.92	2.91		4	
13/6/2011	16:25	Cloudy	Middle	1.5	27.90	27.90	28.00	7.86	7.86	7.88	29.80	29.80	29.80	81.9	81.0	80.0	5.40	5.32	5.27	4.49	5.17	4.78	6	7.00
	16:28		Middle	1.5	28.10	28.10		7.89	7.89		29.80	29.80		78.8	78.1		5.21	5.14		5.13	4.33		8	
15/6/2011	18:23	Cloudy	Middle	2.5	28.30	28.30	28.40	7.96	7.96	7.97	28.10	28.10	28.15	91.1	90.4	90.2	6.01	5.99	5.96	6.42	6.83	6.46	11	12.00
	18:26		Middle	2.5	28.50	28.50		7.97	7.97		28.20	28.20		90.0	89.2		5.94	5.90		6.36	6.21		13	
17/6/2011	20:08	Cloudy	Middle	2.0	27.10	27.10	27.10	7.87	7.87	7.87	27.30	27.30	27.30	87.1	87.0	87.0	5.86	5.83	5.83	4.09	4.52	4.08	4	3.50
	20:09		Middle	2.0	27.1	27.1		7.87	7.87		27.30	27.30		86.9	86.8		5.82	5.80		3.96	3.74		3	
21/6/2011	10:22	Fine	Middle	3.0	27.61	27.61	27.62	7.80	7.80	7.81	29.11	29.11	29.12	90.2	90.5	90.7	6.70	6.75	6.78	3.49	3.23	3.24	9	9.00
	10:25		Middle	3.0	27.62	27.62		7.81	7.81		29.12	29.12		91.0	91.2		6.82	6.83		3.24	3.00		9	
24/6/2011	20:45	Cloudy	Middle	2.0	26.70	26.70	26.70	8.07	8.07	8.07	29.90	29.90	29.90	78.8	78.7	78.7	5.23	5.22	5.22	2.36	2.55	2.38	6	5.50
	20:46		Middle	2.0	26.70	26.70		8.07	8.07		29.90	29.90		78.6	78.5		5.22	5.21		1.87	2.75		5	
26/6/2011	0:30	Cloudy	Middle	2.0	27.30	27.30	27.30	7.96	7.96	7.96	28.80	28.80	28.80	74.2	74.2	74.5	4.95	4.95	4.97	2.45	2.92	2.73	6	7.00
	0:31		Middle	2.0	27.30	27.30		7.96	7.96		28.80	28.80		75.8	73.9		5.03	4.96		2.80	2.75		8	



**Water Monitoring Result at C2 - TH / APA / SOC  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
28/5/2011	1:49	Cloudy	Middle	2.0	25.60	25.60	25.60	7.33	7.33	7.26	29.16	29.16	29.16	82.3	82.0	80.2	5.70	5.68	5.56	2.10	1.84	2.18	8	8.50
	1:50		Middle	2.0	25.60	25.60		7.19	7.19		29.16	29.16		78.3	78.2		5.43	5.42		2.57	2.19		9	
30/5/2011	16:50	Sunny	Middle	1.5	25.70	25.70	25.65	7.96	7.96	7.96	32.60	32.60	32.55	91.1	90.5	90.7	6.16	6.07	6.12	5.09	5.18	4.97	7	7.50
	16:53		Middle	1.5	25.60	25.60		7.95	7.96		32.50	32.50		90.7	90.4		6.14	6.12		4.68	4.93		8	
1/6/2011	20:52	Cloudy	Middle	2.0	26.70	26.70	26.70	7.93	7.93	7.93	32.50	32.50	32.50	85.9	85.5	85.3	5.55	5.54	5.53	4.09	3.91	3.96	10	9.00
	20:53		Middle	2.0	26.70	26.70		7.93	7.93		32.50	32.50		85.1	84.8		5.52	5.51		4.00	3.85		8	
3/6/2011	21:59	Cloudy	Middle	2.0	27.10	27.10	27.10	7.92	7.92	7.92	31.80	31.80	31.80	76.0	75.9	75.8	4.93	4.88	4.88	4.37	3.76	4.00	5	5.50
	22:00		Middle	2.0	27.10	27.10		7.92	7.92		31.80	31.80		75.7	75.6		4.86	4.84		3.79	4.07		6	
7/6/2011	22:12	Cloudy	Middle	2.0	28.00	28.00	28.00	7.26	7.26	7.23	29.20	29.20	29.20	63.6	61.7	61.0	4.22	4.10	4.07	2.97	3.22	2.88	6	5.50
	22:13		Middle	2.0	28.00	28.00		7.20	7.20		29.20	29.20		60.3	58.2		4.08	3.86		2.69	2.65		5	
9/6/2011	10:20	Fine	Middle	1.5	28.70	28.70	28.65	7.78	7.78	7.79	29.30	29.30	29.35	89.9	89.1	88.7	5.93	5.90	5.85	3.87	3.11	3.48	6	5.50
	10:23		Middle	1.5	28.60	28.60		7.79	7.79		29.40	29.40		88.4	87.3		5.81	5.77		3.53	3.40		5	
11/6/2011	13:50	Cloudy	Middle	2.0	28.90	28.90	28.85	7.80	7.80	7.81	29.80	29.80	29.85	84.8	84.2	84.1	5.53	5.47	5.46	5.64	6.10	5.80	11	10.50
	13:53		Middle	2.0	28.80	28.80		7.81	7.81		29.90	29.90		83.8	83.4		5.43	5.41		5.65	5.81		10	
13/6/2011	16:14	Cloudy	Middle	1.0	28.00	28.00	28.05	7.83	7.83	7.84	29.80	29.80	29.80	81.3	80.7	80.5	5.35	5.29	5.28	5.91	6.02	6.07	9	9.00
	16:17		Middle	1.0	28.10	28.10		7.85	7.85		29.80	29.80		80.2	79.8		5.25	5.23		6.00	6.33		9	
15/6/2011	17:55	Cloudy	Middle	2.0	28.90	28.90	28.85	7.91	7.91	7.92	28.30	28.30	28.30	85.7	85.2	85.1	5.60	5.58	5.57	13.80	14.10	<b>14.30</b>	20	<b>19.00</b>
	17:58		Middle	2.0	28.80	28.80		7.92	7.92		28.30	28.30		85.0	84.5		5.56	5.53		15.70	13.60		18	
17/6/2011	22:07	Cloudy	Middle	2.0	27.40	27.40	27.40	7.85	7.85	7.85	27.70	27.70	27.70	82.3	82.0	81.9	5.46	5.44	5.43	4.75	4.43	4.39	6	7.00
	22:08		Middle	2.0	27.40	27.40		7.85	7.85		27.70	27.70		81.7	81.4		5.42	5.40		4.33	4.06		8	
21/6/2011	10:10	Fine	Middle	1.5	28.59	28.59	28.61	7.87	7.88	7.88	28.56	28.56	28.59	71.2	72.3	72.1	5.89	5.97	5.95	4.14	4.17	4.40	7	6.50
	10:13		Middle	1.5	28.62	28.62		7.88	7.88		28.62	28.62		72.7	72.0		5.99	5.94		4.95	4.34		6	
24/6/2011	23:37	Cloudy	Middle	2.0	27.00	27.00	27.00	8.05	8.05	8.05	29.90	29.90	29.90	83.1	83.0	82.8	5.24	5.23	5.22	2.23	2.14	1.97	3	3.00
	23:38		Middle	2.0	27.00	27.00		8.05	8.05		29.90	29.90		82.5	82.4		5.20	5.19		1.75	1.76		3	
26/6/2011	3:16	Cloudy	Middle	2.0	27.80	27.80	27.70	7.99	7.99	7.99	28.50	28.50	28.50	78.2	77.2	76.6	5.23	5.22	5.13	1.26	1.12	1.17	3	3.00
	3:17		Middle	2.0	27.60	27.60		7.99	7.99		28.50	28.50		75.6	75.5		5.06	5.00		1.30	1.00		3	



**Water Monitoring Result at C3 - HKCEC Phase I  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids		Remarks						
					°C		-		ppt		%		mg/L		NTU		mg/L								
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		Average					
28/5/2011	1:23	Cloudy	Middle	2.5	25.80	25.80	25.80	7.35	7.35	7.27	31.91	31.91	31.91	65.5	63.0	62.9	4.45	4.28	4.27	4.15	4.01	4.06	8	7.00	Outside silt screen: 6.75
	1:24		Middle	2.5	25.80	25.80		7.19	7.20		31.91	31.91		61.2	61.9		4.15	4.20		3.95	4.11		6		
30/5/2011	17:37	Sunny	Middle	2.5	25.70	25.70	25.70	8.06	8.06	8.07	32.70	32.70	32.65	78.4	77.8	77.7	5.30	5.28	5.26	9.20	9.29	9.23	17	15.50	End-tipping conveyor belt; Outside silt screen: 8.50
	17:40		Middle	2.5	25.70	25.70		8.07	8.07		32.60	32.60		77.5	77.0		5.24	5.22		9.27	9.17		14		
1/6/2011	20:29	Cloudy	Middle	2.5	26.90	26.90	26.90	7.92	7.92	7.92	32.40	32.40	32.40	61.6	61.4	61.4	4.12	4.11	4.11	3.55	3.36	3.48	8	7.00	Outside silt screen: 3.05
	20:30		Middle	2.5	26.90	26.90		7.92	7.92		32.40	32.40		61.3	61.2		4.10	4.09		3.72	3.29		6		
3/6/2011	21:43	Cloudy	Middle	2.5	27.20	27.20	27.20	7.88	7.88	7.88	31.90	31.90	31.90	77.9	77.7	77.6	5.08	5.07	5.06	4.62	4.55	4.62	13	14.00	Outside silt screen: 3.15
	21:44		Middle	2.5	27.20	27.20		7.88	7.88		31.90	31.90		77.5	77.3		5.04	5.03		4.80	4.51		15		
7/6/2011	22:02	Cloudy	Middle	2.5	28.30	28.30	28.30	7.01	7.01	7.01	29.50	29.50	29.50	53.7	54.6	54.3	3.57	3.67	3.61	11.10	10.80	10.90	25	23.00	Dredging; Outside silt screen: 2.98
	22:03		Middle	2.5	28.30	28.30		7.01	7.01		29.50	29.50		55.2	53.8		3.65	3.55		11.10	10.60		21		
9/6/2011	11:35	Fine	Middle	3.0	28.30	28.30	28.35	7.87	7.87	7.88	29.50	29.50	29.45	74.6	73.6	73.4	4.91	4.84	4.83	4.39	4.21	4.11	3	4.00	Sampling position is changed to near east; Outside silt screen: 2.86
	11:38		Middle	3.0	28.40	28.40		7.88	7.88		29.40	29.40		73.2	72.2		4.79	4.76		3.77	4.08		5		
11/6/2011	15:00	Cloudy	Middle	3.0	28.00	28.00	28.05	7.90	7.90	7.90	30.20	30.20	30.15	82.3	79.6	79.3	5.42	5.22	5.21	9.66	9.33	9.29	17	16.50	End-tipping conveyor belt; Backfilling; Outside silt screen: 8.67
	15:03		Middle	3.0	28.10	28.10		7.89	7.89		30.10	30.10		78.0	77.3		5.13	5.08		9.27	8.90		16		
13/6/2011	17:30	Cloudy	Middle	2.0	27.70	27.70	27.70	7.88	7.88	7.88	29.70	29.70	29.70	71.5	70.6	70.3	4.71	4.67	4.65	6.40	6.25	6.08	11	10.00	0:00
	17:35		Middle	2.0	27.70	27.70		7.88	7.88		29.70	29.70		69.8	69.3		4.62	4.59		5.95	5.72		9		
15/6/2011	19:00	Cloudy	Middle	2.5	28.60	28.60	28.65	7.86	7.86	7.87	28.10	28.10	28.15	77.8	77.3	77.0	5.12	5.09	5.06	26.30	25.30	25.73	49	47.50	Repeated measurement: 33.38; Outside silt screen: 6.16; Backfilling
	19:03		Middle	2.5	28.70	28.70		7.87	7.87		28.20	28.20		76.7	76.0		5.03	5.01		26.20	25.10		46		
17/6/2011	21:50	Cloudy	Middle	2.5	27.40	27.40	27.40	7.84	7.84	7.84	26.80	26.80	26.80	75.5	75.4	75.2	4.96	4.94	4.93	5.76	5.28	5.28	14	13.50	Outside silt screen: 4.12
	21:51		Middle	2.5	27.40	27.40		7.84	7.84		26.80	26.80		74.9	74.8		4.92	4.91		5.04	5.02		13		
21/6/2011	12:05	Fine	Middle	2.5	26.88	26.88	26.88	7.86	7.86	7.87	28.29	28.29	28.30	79.3	78.7	78.6	5.40	5.36	5.35	6.73	6.42	6.44	13	12.00	Outside silt screen: 3.21
	12:08		Middle	2.5	26.88	26.88		7.87	7.87		28.30	28.30		78.3	77.9		5.33	5.31		6.28	6.31		11		
24/6/2011	23:16	Cloudy	Middle	2.5	27.20	27.20	27.20	8.08	8.08	8.08	30.10	30.10	30.10	68.2	68.1	68.1	4.55	4.54	4.54	1.75	1.65	1.66	3	4.00	Outside silt screen: 2.18
	23:17		Middle	2.5	27.20	27.20		8.08	8.08		30.10	30.10		68.0	67.9		4.53	4.52		1.62	1.62		5		
26/6/2011	2:58	Cloudy	Middle	2.5	27.80	27.80	27.80	7.84	7.84	7.84	28.80	28.80	28.80	77.1	77.1	76.7	5.16	5.16	5.13	1.20	1.31	1.35	6	5.00	Outside silt screen: 1.26
	2:59		Middle	2.5	27.80	27.80		7.84	7.84		28.80	28.80		76.6	76.1		5.12	5.09		1.40	1.50		4		



**Water Monitoring Result at C4e - WCT / GEC  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
28/5/2011	0:53	Cloudy	Middle	2.0	25.90	25.90	25.90	7.21	7.21	7.20	31.84	31.84	31.84	60.8	62.7	60.9	4.13	4.25	4.13	2.95	3.11	3.01	3	4.00
	0:54		Middle	2.0	25.90	25.90		7.19	7.19		31.84	31.84		60.0	60.2		4.07	4.06		3.12	2.84		5	
30/5/2011	17:25	Sunny	Middle	2.0	25.70	25.70	25.75	7.99	7.99	8.00	32.40	32.40	32.45	85.6	84.9	84.6	5.79	5.76	5.73	8.81	8.98	8.59	8	9.00
	17:28		Middle	2.0	25.80	25.80		8.00	8.00		32.50	32.50		84.5	83.3		5.71	5.65		8.54	8.03		10	
1/6/2011	20:05	Cloudy	Middle	2.0	27.10	27.10	27.10	7.94	7.94	7.94	32.40	32.40	32.40	79.1	79.0	78.7	5.12	5.11	5.10	3.82	3.64	3.69	3	4.00
	20:06		Middle	2.0	27.10	27.10		7.94	7.94		32.40	32.40		78.3	78.2		5.08	5.07		3.60	3.69		5	
3/6/2011	21:23	Cloudy	Middle	2.0	27.20	27.20	27.20	7.87	7.87	7.87	31.90	31.90	31.90	84.1	84.0	83.9	5.53	5.52	5.51	4.43	4.01	4.10	5	5.50
	21:24		Middle	2.0	27.20	27.20		7.87	7.87		31.90	31.90		83.9	83.7		5.49	5.48		4.07	3.90		6	
7/6/2011	21:31	Cloudy	Middle	2.0	28.40	28.40	28.40	7.19	7.19	7.15	29.30	29.30	29.30	62.3	63.3	61.9	4.11	4.18	4.09	2.83	2.39	2.64	5	4.00
	21:32		Middle	2.0	28.40	28.40		7.10	7.10		29.30	29.30		60.0	62.1		3.96	4.09		2.87	2.46		3	
9/6/2011	11:16	Fine	Middle	1.5	28.60	28.60	28.65	7.90	7.90	7.91	29.40	29.40	29.35	87.9	87.0	86.3	5.79	5.66	5.66	3.77	3.58	3.31	4	4.00
	11:19		Middle	1.5	28.70	28.70		7.91	7.91		29.30	29.30		85.7	84.6		5.64	5.55		3.07	2.82		4	
11/6/2011	14:51	Cloudy	Middle	1.5	28.50	28.50	28.55	7.85	7.85	7.86	29.70	29.70	29.65	80.1	79.6	79.2	5.23	5.18	5.17	3.29	3.23	3.17	6	6.00
	14:54		Middle	1.5	28.60	28.60		7.86	7.86		29.60	29.60		78.7	78.4		5.15	5.11		3.10	3.04		6	
13/6/2011	16:55	Cloudy	Middle	1.0	28.30	28.30	28.30	7.84	7.84	7.84	29.30	29.30	29.30	62.7	62.7	62.6	4.12	4.12	4.11	3.66	3.53	3.46	6	6.00
	16:58		Middle	1.0	28.30	28.30		7.83	7.83		29.30	29.30		62.6	62.5		4.11	4.10		3.43	3.21		6	
15/6/2011	18:47	Cloudy	Middle	1.5	28.80	28.80	28.85	7.88	7.88	7.88	27.90	27.90	27.85	81.5	80.8	80.5	5.33	5.30	5.28	6.76	5.85	6.27	9	11.00
	18:50		Middle	1.5	28.90	28.90		7.87	7.87		27.80	27.80		80.2	79.5		5.25	5.22		6.27	6.19		13	
17/6/2011	21:28	Cloudy	Middle	2.0	27.60	27.60	27.60	7.80	7.80	7.80	26.60	26.60	26.60	82.8	82.3	82.1	5.46	5.44	5.44	4.52	4.19	4.37	2	2.00
	21:29		Middle	2.0	27.60	27.60		7.80	7.80		26.60	26.60		81.9	81.4		5.43	5.42		4.55	4.21		<2	
21/6/2011	11:47	Fine	Middle	1.5	27.47	27.47	27.45	7.63	7.56	7.60	28.42	28.42	28.43	66.5	66.1	66.4	4.37	4.30	4.32	2.14	2.23	2.21	5	4.50
	11:50		Middle	1.5	27.42	27.42		7.63	7.56		28.43	28.43		66.7	66.2		4.32	4.27		2.24	2.23		4	
24/6/2011	22:38	Cloudy	Middle	2.0	27.40	27.40	27.40	8.02	8.02	8.02	29.70	29.70	29.70	84.3	84.2	83.9	5.67	5.64	5.63	4.19	4.24	4.05	5	5.50
	22:39		Middle	2.0	27.40	27.40		8.02	8.02		29.70	29.70		83.6	83.3		5.60	5.59		3.52	4.25		6	
26/6/2011	2:32	Cloudy	Middle	2.0	27.90	27.90	27.90	7.79	7.77	7.78	28.40	28.40	28.40	78.5	73.5	73.9	5.25	4.91	4.93	1.85	1.81	1.48	3	3.00
	2:33		Middle	2.0	27.90	27.90		7.77	7.77		28.40	28.40		71.7	71.7		4.78	4.78		1.25	1.01		3	



**Water Monitoring Result at C4w - WCT / GEC  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
28/5/2011	1:10	Cloudy	Middle	2.0	25.70	25.70	25.70	7.01	7.01	7.01	31.68	31.68	31.68	57.4	60.2	59.6	3.91	4.06	4.04	0.77	0.98	0.84	<2	<2
	1:11		Middle	2.0	25.70	25.70		7.01	7.01		31.68	31.68		60.6	60.3		4.12	4.07		0.77	0.84			
30/5/2011	17:17	Sunny	Middle	2.0	26.00	26.00	26.05	7.91	7.91	7.92	32.40	32.40	32.45	79.0	78.0	77.5	5.30	5.26	5.21	2.21	2.26	2.21	5	3.50
	17:20		Middle	2.0	26.10	26.10		7.92	7.92		32.50	32.50		76.7	76.1		5.16	5.13		2.27	2.11		2	
1/6/2011	20:18	Cloudy	Middle	2.0	27.00	27.00	27.00	7.82	7.82	7.82	32.20	32.20	32.20	74.6	74.3	74.2	4.83	4.79	4.79	1.01	1.05	1.09	2	2.50
	20:19		Middle	2.0	27.00	27.00		7.82	7.82		32.20	32.20		74.1	73.8		4.77	4.75		1.17	1.13		3	
3/6/2011	21:34	Cloudy	Middle	2.0	27.40	27.40	27.40	7.75	7.75	7.75	31.70	31.70	31.70	70.5	70.4	70.3	4.61	4.59	4.58	1.32	1.10	1.15	2	2.50
	21:35		Middle	2.0	27.40	27.40		7.75	7.75		31.70	31.70		70.2	70.1		4.57	4.56		1.03	1.14		3	
7/6/2011	21:52	Cloudy	Middle	2.0	28.20	28.20	28.20	7.08	7.08	7.08	29.30	29.30	29.30	62.8	62.3	62.1	4.16	4.11	4.12	1.88	1.62	1.89	2	2.00
	21:53		Middle	2.0	28.20	28.20		7.08	7.08		29.30	29.30		61.6	61.6		4.10	4.10		2.13	1.92		2	
9/6/2011	11:23	Fine	Middle	1.5	28.70	28.70	28.75	7.75	7.75	7.76	29.10	29.10	29.15	65.6	64.0	61.3	4.27	4.21	4.01	1.60	1.63	1.66	4	3.00
	11:26		Middle	1.5	28.80	28.80		7.76	7.76		29.20	29.20		58.6	57.1		3.83	3.73		1.73	1.69		2	
11/6/2011	14:45	Cloudy	Middle	1.5	28.70	28.70	28.75	7.76	7.76	7.77	29.40	29.40	29.45	69.4	66.8	65.4	4.52	4.32	4.25	1.92	1.86	1.48	2	2.50
	14:48		Middle	1.5	28.80	28.80		7.77	7.77		29.50	29.50		62.9	62.3		4.11	4.03		1.06	1.08		3	
13/6/2011	16:45	Cloudy	Middle	1.0	28.50	28.50	28.50	7.74	7.74	7.74	29.20	29.20	29.15	61.4	60.7	60.4	4.04	3.96	3.96	1.17	1.06	1.10	2	2.50
	16:48		Middle	1.0	28.50	28.50		7.73	7.73		29.10	29.10		59.9	59.4		3.94	3.88		1.08	1.07		3	
15/6/2011	18:40	Cloudy	Middle	1.5	28.90	28.90	28.85	7.78	7.78	7.78	27.90	27.90	27.95	75.0	74.5	74.4	4.91	4.89	4.88	2.71	3.01	2.85	6	5.00
	18:43		Middle	1.5	28.80	28.80		7.77	7.77		28.00	28.00		74.2	74.0		4.87	4.86		3.02	2.67		4	
17/6/2011	21:38	Cloudy	Middle	2.0	27.60	27.60	27.60	7.71	7.71	7.71	25.50	25.50	25.50	70.7	70.5	70.1	4.65	4.64	4.60	0.82	0.76	0.89	3	3.00
	21:39		Middle	2.0	27.60	27.60		7.71	7.71		25.50	25.50		69.7	69.5		4.56	4.55		0.92	1.04		<2	
21/6/2011	11:40	Fine	Middle	1.5	27.49	27.49	27.51	7.71	7.71	7.72	28.15	28.15	28.14	66.2	65.3	65.1	4.32	4.31	4.28	1.85	1.91	1.85	3	3.00
	11:43		Middle	1.5	27.52	27.52		7.73	7.73		28.12	28.12		64.2	64.8		4.27	4.22		1.82	1.83		3	
24/6/2011	22:51	Cloudy	Middle	2.0	27.30	27.30	27.30	7.93	7.93	7.93	29.30	29.30	29.30	77.3	77.2	77.0	5.04	5.03	5.03	0.78	0.61	0.68	8	7.00
	22:52		Middle	2.0	27.30	27.30		7.93	7.93		29.30	29.30		76.8	76.7		5.02	5.01		0.63	0.69		6	
26/6/2011	2:45	Cloudy	Middle	2.0	28.00	28.00	28.00	7.79	7.79	7.79	28.60	28.60	28.60	65.6	63.4	63.5	4.38	4.23	4.32	0.49	0.40	0.58	4	3.50
	2:46		Middle	2.0	28.00	28.00		7.79	7.79		28.60	28.60		62.7	62.2		4.19	4.49		0.79	0.65		3	





**Water Monitoring Result at C5e - Sun Hung Kai Centre  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO			Turbidity			Suspended Solids	
					°C			-			ppt			%			mg/L			NTU			mg/L	
			m		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average
28/5/2011	0:21	Cloudy	Middle	2.0	25.80	25.80	25.80	7.07	7.07	7.06	29.91	29.91	29.91	62.1	61.8	63.3	4.27	4.24	4.35	1.62	1.47	1.63	3	2.50
	0:22		Middle	2.0	25.80	25.80		7.05	7.05		29.91	29.91		64.5	64.6		4.43	4.44		1.44	1.97		2	
30/5/2011	17:14	Sunny	Middle	1.5	26.70	26.70	26.70	7.98	7.98	7.98	32.50	32.50	32.50	61.1	61.3	60.8	4.08	4.09	4.07	4.48	4.37	4.31	10	11.00
	17:17		Middle	1.5	26.70	26.70		7.97	7.97		32.50	32.50		60.8	60.0		4.05	4.06		4.15	4.22		12	
1/6/2011	21:56	Cloudy	Middle	2.0	26.89	26.89	26.89	7.18	7.18	7.18	32.04	32.04	32.04	66.3	65.3	65.5	4.43	4.36	4.38	4.80	4.37	4.28	5	6.00
	21:57		Middle	2.0	26.89	26.89		7.18	7.18		32.04	32.04		65.2	65.2		4.36	4.36		3.94	3.99		7	
3/6/2011	20:49	Cloudy	Middle	2.0	27.30	27.30	27.30	7.92	7.92	7.92	31.70	31.70	31.70	83.6	83.5	83.3	5.47	5.46	5.45	3.10	3.28	3.23	6	5.50
	20:50		Middle	2.0	27.30	27.30		7.92	7.92		31.70	31.70		83.1	83.0		5.45	5.43		3.29	3.25		5	
7/6/2011	21:08	Cloudy	Middle	2.0	28.30	28.30	28.30	7.06	7.06	7.06	28.00	28.00	28.00	55.3	55.3	56.8	3.68	3.68	3.78	4.03	4.23	4.11	8	9.00
	21:09		Middle	2.0	28.30	28.30		7.06	7.06		28.00	28.00		58.7	57.9		3.87	3.87		4.12	4.06		10	
9/6/2011	10:54	Fine	Middle	1.5	29.90	29.90	29.95	7.88	7.88	7.89	29.10	29.10	29.15	77.2	76.1	76.2	4.92	4.85	4.85	1.89	1.84	1.93	<2	2.00
	10:57		Middle	1.5	30.00	30.00		7.89	7.89		29.20	29.20		75.9	75.4		4.83	4.78		2.15	1.82		2	
11/6/2011	14:28	Cloudy	Middle	1.5	29.60	29.60	29.55	7.90	7.90	7.91	29.30	29.30	29.35	84.8	83.6	83.2	5.47	5.38	5.36	5.05	5.03	5.04	7	8.00
	14:31		Middle	1.5	29.50	29.50		7.91	7.91		29.40	29.40		82.8	81.7		5.34	5.26		5.00	5.08		9	
13/6/2011	17:02	Cloudy	Middle	1.5	28.40	28.40	28.35	7.86	7.86	7.87	29.30	29.30	29.35	49.1	50.3	49.9	3.25	3.33	3.30	3.34	3.18	3.24	8	8.00
	17:05		Middle	1.5	28.30	28.30		7.87	7.87		29.40	29.40		50.2	49.8		3.32	3.29		3.20	3.24		8	
15/6/2011	18:21	Cloudy	Middle	1.5	28.70	28.70	28.70	7.92	7.92	7.92	27.82	27.82	27.82	71.7	71.8	72.4	4.75	4.76	4.79	4.38	4.05	4.04	11	10.50
	18:24		Middle	1.5	28.70	28.70		7.92	7.92		27.81	27.81		72.9	73.1		4.82	4.84		3.85	3.86		10	
17/6/2011	21:02	Cloudy	Middle	2.0	27.40	27.40	27.40	7.83	7.83	7.83	26.40	26.40	26.40	65.6	65.5	65.2	4.33	4.32	4.31	2.71	2.58	2.64	3	3.50
	21:03		Middle	2.0	27.40	27.40		7.83	7.83		26.40	26.40		64.9	64.8		4.30	4.29		2.63	2.62		4	
21/6/2011	11:05	Fine	Middle	1.5	28.21	28.21	28.22	7.70	7.70	7.71	28.16	28.16	28.14	60.1	60.2	60.4	4.02	4.05	4.06	2.55	2.10	2.24	4	4.50
	11:08		Middle	1.5	28.23	28.23		7.72	7.72		28.12	28.12		60.7	60.7		4.08	4.09		2.09	2.22		5	
24/6/2011	22:00	Cloudy	Middle	2.0	27.30	27.30	27.30	8.08	8.08	8.08	29.90	29.90	29.90	69.3	69.3	69.3	4.58	4.58	4.58	2.33	2.34	2.26	6	7.50
	22:01		Middle	2.0	27.30	27.30		8.08	8.08		29.90	29.90		69.3	69.3		4.57	4.57		2.19	2.17		9	
26/6/2011	1:52	Cloudy	Middle	2.0	28.00	28.00	28.00	7.80	7.80	7.80	28.60	28.60	28.60	67.3	66.6	66.2	4.49	4.40	4.40	0.86	0.78	0.92	3	2.50
	1:53		Middle	2.0	28.00	28.00		7.79	7.79		28.60	28.60		65.7	65.3		4.36	4.35		1.05	1.00		2	



**Water Monitoring Result at C5w - Sun Hung Kai Centre  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids					
					°C			-			ppt		%		mg/L		NTU		mg/L					
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
28/5/2011	0:30	Cloudy	Middle	2.0	26.40	26.40	26.40	7.05	7.05	7.05	28.63	28.62	28.62	65.4	63.6	63.9	4.48	4.36	4.38	1.75	1.14	1.32	2	2.00
	0:31		Middle	2.0	26.40	26.40		7.05	7.05		28.62	28.62		61.7	65.0		4.23	4.45		1.25	1.15		2	
30/5/2011	17:23	Sunny	Middle	1.5	26.70	26.70	26.65	7.96	7.96	7.96	32.50	32.50	32.55	60.4	60.1	59.9	4.04	4.02	4.00	3.55	3.27	3.35	7	6.00
	17:26		Middle	1.5	26.60	26.60		7.96	7.96		32.60	32.60		59.5	59.6		3.97	3.98		3.34	3.25		5	
1/6/2011	22:00	Cloudy	Middle	2.0	26.91	26.91	26.91	7.20	7.20	7.20	31.99	31.99	31.99	62.4	62.9	62.8	4.17	4.20	4.19	4.31	4.37	4.29	7	6.50
	22:01		Middle	2.0	26.91	26.91		7.20	7.20		31.99	31.99		63.4	62.3		4.23	4.15		4.06	4.43		6	
3/6/2011	20:58	Cloudy	Middle	2.0	27.40	27.40	27.40	7.93	7.93	7.93	31.60	31.60	31.60	70.0	69.9	69.8	4.57	4.56	4.56	6.60	6.92	6.85	6	7.50
	20:59		Middle	2.0	27.40	27.40		7.93	7.93		31.60	31.60		69.7	69.4		4.55	4.54		6.97	6.91		9	
7/6/2011	21:14	Cloudy	Middle	2.0	28.70	28.70	28.70	7.00	7.00	7.00	27.20	27.20	27.20	59.8	56.6	58.8	3.99	3.78	3.93	1.66	1.76	1.61	3	2.50
	21:15		Middle	2.0	28.70	28.70		7.00	7.00		27.20	27.20		59.0	59.8		3.94	3.99		1.52	1.48		2	
9/6/2011	10:59	Fine	Middle	1.5	29.50	29.50	29.55	7.91	7.91	7.92	29.10	29.10	29.15	88.0	87.4	87.3	5.64	5.62	5.60	2.11	2.46	2.34	<2	3.00
	11:02		Middle	1.5	29.60	29.60		7.92	7.92		29.20	29.20		87.0	86.8		5.59	5.56		2.20	2.57		3	
11/6/2011	14:35	Cloudy	Middle	1.5	29.60	29.60	29.65	7.87	7.87	7.88	29.40	29.40	29.35	86.0	85.6	85.4	5.52	5.48	5.48	4.71	4.07	4.27	8	9.00
	14:38		Middle	1.5	29.70	29.70		7.88	7.88		29.30	29.30		85.1	84.7		5.47	5.43		4.20	4.09		10	
13/6/2011	16:55	Cloudy	Middle	1.5	28.40	28.40	28.35	7.84	7.84	7.84	29.40	29.40	29.35	46.6	47.2	47.1	3.07	3.12	3.11	2.65	2.82	2.77	5	5.00
	16:58		Middle	1.5	28.30	28.30		7.83	7.83		29.30	29.30		47.4	47.1		3.13	3.11		2.81	2.79		5	
15/6/2011	18:30	Cloudy	Middle	1.5	28.70	28.70	28.70	7.92	7.92	7.92	27.76	27.76	27.76	71.5	71.4	71.7	4.74	4.73	4.75	6.65	6.17	6.37	14	13.50
	18:33		Middle	1.5	28.70	28.70		7.92	7.92		27.76	27.76		72.1	71.9		4.77	4.75		6.42	6.23		13	
17/6/2011	21:07	Cloudy	Middle	2.0	27.40	27.40	27.40	7.90	7.90	7.90	26.60	26.60	26.60	74.1	73.9	73.8	4.96	4.95	4.94	3.96	3.81	3.87	3	3.00
	21:08		Middle	2.0	27.40	27.40		7.90	7.90		26.60	26.60		73.7	73.5		4.94	4.92		3.84	3.86		3	
21/6/2011	11:12	Fine	Middle	1.5	28.27	28.27	28.29	7.75	7.75	7.77	28.10	28.10	28.11	61.3	61.6	61.6	4.11	4.13	4.13	1.93	2.06	2.10	5	6.00
	11:13		Middle	1.5	28.31	28.31		7.78	7.78		28.11	28.11		61.5	61.9		4.12	4.17		2.26	2.13		7	
24/6/2011	22:08	Cloudy	Middle	2.0	27.20	27.20	27.20	8.08	8.08	8.08	29.90	29.90	29.90	82.1	82.0	82.0	5.47	5.46	5.46	4.21	3.88	3.98	11	10.00
	22:09		Middle	2.0	27.20	27.20		8.08	8.08		29.90	29.90		81.9	81.8		5.45	5.44		3.88	3.93		9	
26/6/2011	2:01	Cloudy	Middle	2.0	28.10	28.10	28.10	7.88	7.88	7.88	28.60	28.60	28.60	72.4	72.4	73.2	4.63	4.63	4.80	1.32	1.01	1.05	2	2.50
	2:02		Middle	2.0	28.10	28.10		7.88	7.88		28.60	28.60		73.9	74.0		4.96	4.98		0.95	0.92		3	



**Water Monitoring Result at WSD21 - Wan Chai  
Mid-Flood Tide**

Date	Time	Weater Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity			Suspended Solids		
					°C			-			ppt			%			mg/L		NTU			mg/L		
					Value	Average		Value	Average		Value	Average		Value	Average		Value	Average		Value	Average	Value	Average	Value
28/5/2011	0:01	Cloudy	Middle	2.0	26.50	26.50	26.50	7.13	7.13	7.12	31.73	31.73	31.73	68.9	69.0	66.3	4.63	4.64	4.46	2.07	1.78	1.91	4	5.00
	0:02		Middle	2.0	26.50	26.50		7.10	7.10		31.73	31.73		62.8	64.6		4.22	4.34		2.08	1.69		6	
30/5/2011	16:55	Sunny	Middle	2.0	26.40	26.40	26.40	8.00	8.00	7.98	32.60	32.60	32.65	58.8	58.5	58.8	3.94	3.92	3.94	4.04	3.05	3.60	6	7.00
	16:58		Middle	2.0	26.40	26.40		7.96	7.96		32.70	32.70		58.9	58.8		3.95	3.94		3.52	3.77		8	
1/6/2011	19:35	Cloudy	Middle	2.0	26.90	26.90	26.90	7.93	7.93	7.93	32.40	32.40	32.40	72.0	71.9	71.8	4.73	4.72	4.72	4.58	4.41	4.49	6	6.50
	19:36		Middle	2.0	26.90	26.90		7.93	7.93		32.40	32.40		71.7	71.6		4.71	4.70		4.61	4.35		7	
3/6/2011	20:30	Cloudy	Middle	2.0	27.20	27.20	27.20	7.91	7.91	7.91	31.70	31.70	31.70	79.3	79.2	79.1	5.22	5.21	5.20	4.37	4.36	4.46	4	5.00
	20:31		Middle	2.0	27.20	27.20		7.91	7.91		31.70	31.70		79.0	78.9		5.19	5.18		4.63	4.49		6	
7/6/2011	20:49	Cloudy	Middle	2.0	28.60	28.60	28.60	7.09	7.09	7.09	29.40	29.40	29.40	63.6	62.6	62.6	4.18	4.11	4.11	2.36	2.19	2.25	6	5.00
	20:50		Middle	2.0	28.60	28.60		7.08	7.08		29.40	29.40		62.0	62.0		4.08	4.08		2.25	2.18		4	
9/6/2011	11:05	Fine	Middle	2.0	28.90	28.90	28.95	7.90	7.90	7.91	29.30	29.30	29.35	80.7	79.9	79.8	5.23	5.20	5.18	2.79	2.76	2.34	4	3.50
	11:08		Middle	2.0	29.00	29.00		7.91	7.91		29.40	29.40		79.5	78.9		5.16	5.14		1.82	1.98		3	
11/6/2011	14:20	Cloudy	Middle	2.0	29.40	29.40	29.45	7.87	7.87	7.88	29.70	29.70	29.75	84.0	83.6	82.9	5.40	5.35	5.32	4.13	3.64	3.80	8	7.00
	14:23		Middle	2.0	29.50	29.50		7.88	7.88		29.80	29.80		82.3	81.7		5.29	5.23		3.63	3.78		6	
13/6/2011	16:40	Cloudy	Middle	2.0	27.80	27.80	27.85	7.85	7.85	7.86	29.70	29.70	29.75	49.4	48.8	48.6	3.29	3.25	3.24	3.89	3.78	3.81	6	6.50
	16:43		Middle	2.0	27.90	27.90		7.86	7.86		29.80	29.80		47.7	48.6		3.17	3.24		3.75	3.81		7	
15/6/2011	18:03	Cloudy	Middle	2.0	28.30	28.30	28.30	7.95	7.95	7.95	28.02	28.02	28.02	73.1	73.8	73.7	4.91	4.92	4.92	4.88	4.78	4.84	10	11.00
	18:06		Middle	2.0	28.30	28.30		7.95	7.95		28.02	28.02		74.1	73.9		4.93	4.92		4.83	4.85		12	
17/6/2011	20:30	Cloudy	Middle	2.0	27.30	27.30	27.30	7.89	7.89	7.89	26.90	26.90	26.90	85.1	84.5	84.6	5.68	5.66	5.67	5.17	4.94	4.91	6	5.50
	20:31		Middle	2.0	27.30	27.30		7.89	7.89		26.90	26.90		84.4	84.3		5.67	5.65		4.90	4.63		5	
21/6/2011	10:50	Fine	Middle	2.0	27.37	27.37	27.35	8.01	8.01	8.02	28.68	28.68	28.68	70.0	70.1	69.9	5.72	7.73	6.21	5.74	6.25	6.42	7	6.50
	10:53		Middle	2.0	27.32	27.32		8.02	8.02		28.67	28.67		69.8	69.7		5.69	5.68		6.75	6.92		6	
24/6/2011	21:21	Cloudy	Middle	2.0	27.30	27.30	27.30	8.05	8.06	8.06	29.90	29.90	29.90	74.3	74.2	74.2	4.87	4.86	4.86	2.15	2.13	2.46	5	5.50
	21:22		Middle	2.0	27.30	27.30		8.06	8.06		29.90	29.90		74.1	74.0		4.85	4.84		2.96	2.61		6	
26/6/2011	1:22	Cloudy	Middle	2.0	28.10	28.10	28.10	7.79	7.79	7.80	28.70	28.70	28.70	73.0	73.1	72.3	4.87	4.87	4.84	1.79	2.53	1.93	6	7.00
	1:23		Middle	2.0	28.10	28.10		7.80	7.80		28.70	28.70		72.1	71.1		4.85	4.78		1.51	1.87		8	



**Water Monitoring Result at WSD19 - Sheung Wan  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation		DO		Turbidity		Suspended Solids				
					°C			-			ppt			%		mg/L		NTU		mg/L				
					Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value
28/5/2011	3:00	Cloudy	Middle	2.0	25.47	25.47	25.47	7.29	7.29	7.29	32.00	32.00	32.00	70.5	72.0	71.3	4.82	4.84	4.85	3.95	3.56	3.54	6	5.50
	3:01		Middle	2.0	25.46	25.46		7.29	7.29		32.00	32.00		69.7	72.9		4.76	4.98		3.37	3.29		5	
30/5/2011	19:48	Sunny	Middle	2.0	25.58	25.58	25.58	7.32	7.32	7.32	32.26	32.26	32.26	69.1	68.3	68.5	4.70	4.65	4.67	4.68	4.22	4.42	9	8.00
	19:49		Middle	2.0	25.58	25.58		7.32	7.32		32.26	32.26		68.5	68.2		4.67	4.64		4.30	4.46		7	
1/6/2011	21:05	Cloudy	Middle	2.0	26.59	26.59	26.59	7.25	7.24	7.24	31.85	31.85	31.85	70.3	70.2	70.5	4.63	4.68	4.66	5.74	5.80	5.67	6	6.50
	21:06		Middle	2.0	26.59	26.59		7.24	7.22		31.84	31.84		70.9	70.6		4.66	4.67		5.69	5.46		7	
3/6/2011	21:40	Cloudy	Middle	2.0	26.82	26.82	26.82	7.12	7.12	7.12	31.40	31.40	31.40	66.0	66.7	66.1	4.42	4.47	4.43	6.46	6.22	6.33	7	6.00
	21:41		Middle	2.0	26.82	26.82		7.12	7.12		31.40	31.40		66.5	65.2		4.46	4.37		6.36	6.29		5	
7/6/2011	0:53	Cloudy	Middle	2.0	27.91	27.91	27.91	7.24	7.24	7.24	29.61	29.61	29.61	77.3	76.2	74.9	5.15	5.07	4.99	2.05	2.00	2.07	5	5.50
	0:54		Middle	2.0	27.91	27.91		7.24	7.24		29.61	29.61		73.8	72.4		4.91	4.82		2.05	2.16		6	
9/6/2011	11:52	Fine	Middle	1.5	28.30	28.30	28.40	7.87	7.87	7.87	28.99	28.99	29.02	80.2	79.4	79.5	5.30	5.25	5.25	2.27	2.42	2.37	2	2.50
	11:57		Middle	1.5	28.50	28.50		7.87	7.87		29.04	29.04		80.2	78.3		5.29	5.17		2.46	2.31		3	
11/6/2011	12:10	Cloudy	Middle	1.5	28.20	28.20	28.20	7.86	7.86	7.87	29.20	29.20	29.24	74.2	72.4	73.6	4.92	4.80	4.88	4.48	4.39	4.20	8	7.00
	12:14		Middle	1.5	28.20	28.20		7.87	7.87		29.28	29.28		75.1	72.8		4.98	4.82		4.03	3.91		6	
13/6/2011	19:46	Cloudy	Middle	2.0	27.64	27.64	27.64	7.00	7.00	7.00	29.90	29.90	29.90	67.2	62.6	64.3	4.48	4.17	4.28	5.29	5.31	5.27	9	9.00
	19:47		Middle	2.0	27.64	27.64		7.00	7.00		29.90	29.90		65.8	61.4		4.38	4.09		5.20	5.27		9	
15/6/2011	21:30	Cloudy	Middle	1.5	27.70	27.70	27.69	7.16	7.16	7.16	27.95	27.95	27.95	60.0	59.9	60.0	4.00	3.98	4.00	6.28	6.08	6.09	9	9.50
	21:31		Middle	1.5	27.67	27.67		7.16	7.16		27.95	27.95		60.1	60.0		4.01	4.00		6.08	5.91		10	
17/6/2011	20:55	Cloudy	Middle	2.0	27.30	27.30	27.30	7.00	7.00	7.00	27.30	27.30	27.30	59.3	60.2	59.0	4.03	4.10	4.02	4.16	4.45	4.31	4	4.50
	20:56		Middle	2.0	27.30	27.30		7.00	7.00		27.30	27.30		59.0	57.6		4.02	3.92		4.30	4.33		5	
21/6/2011	6:19	Fine	Middle	1.5	27.10	27.10	27.20	7.86	7.86	7.87	28.33	28.33	28.33	79.0	77.8	78.7	5.35	5.27	5.33	4.33	4.49	4.45	9	10.00
	6:22		Middle	1.5	27.30	27.30		7.87	7.87		28.33	28.33		79.5	78.3		5.38	5.30		4.69	4.27		11	
24/6/2011	22:20	Cloudy	Middle	2.0	26.80	26.80	26.80	7.93	7.93	7.93	30.09	30.09	30.12	77.0	77.0	76.7	5.19	5.19	5.18	4.14	4.15	4.00	10	10.00
	22:21		Middle	2.0	26.80	26.80		7.93	7.93		30.15	30.15		75.0	77.8		5.07	5.27		3.66	4.05		10	
26/6/2011	2:25	Cloudy	Middle	2.0	27.58	27.58	27.62	8.02	8.02	8.02	28.39	28.39	28.40	74.1	73.9	73.4	4.98	4.96	4.93	3.30	3.43	3.24	7	7.00
	2:26		Middle	2.0	27.65	27.65		8.02	8.02		28.41	28.41		72.9	72.8		4.90	4.89		3.07	3.14		7	



**Water Monitoring Result at WSD20 - Kennedy Town  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation		DO		Turbidity		Suspended Solids				
					°C			-			ppt			%		mg/L		NTU		mg/L				
					Value	Average		Value	Average		Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
28/5/2011	2:40	Cloudy	Middle	2.0	25.49	25.44	25.45	7.39	7.39	7.39	31.81	31.81	31.81	77.8	76.4	77.0	5.32	5.23	5.27	2.77	2.40	2.48	3	3.00
	2:41		Middle	2.0	25.44	25.43		7.38	7.38		31.81	31.81		75.2	78.5		5.14	5.37		2.44	2.32		3	
30/5/2011	19:29	Sunny	Middle	2.0	25.57	25.57	25.56	7.37	7.37	7.37	32.24	32.24	32.25	71.6	71.3	71.5	4.87	4.86	4.87	8.22	8.38	8.30	17	<b>18.00</b>
	19:30		Middle	2.0	25.55	25.55		7.37	7.37		32.25	32.25		71.2	71.8		4.85	4.89		8.39	8.20		19	
1/6/2011	20:45	Cloudy	Middle	2.0	26.54	26.54	26.56	7.42	7.42	7.41	31.51	31.51	31.51	69.2	70.2	71.9	4.66	4.68	4.84	14.90	14.30	<b>14.95</b>	23	<b>24.00</b>
	20:46		Middle	2.0	26.57	26.57		7.40	7.40		31.51	31.51		74.8	73.3		5.03	4.98		15.00	15.60		25	
3/6/2011	21:20	Cloudy	Middle	2.0	27.12	27.17	27.16	7.30	7.30	7.30	31.11	31.11	31.11	72.9	68.6	70.0	5.33	5.02	5.12	6.08	6.00	6.16	7	7.50
	21:21		Middle	2.0	27.17	27.17		7.30	7.30		31.11	31.11		70.2	68.4		5.13	4.99		6.05	6.51		8	
7/6/2011	0:30	Cloudy	Middle	2.0	27.63	27.63	27.63	7.32	7.32	7.32	28.92	28.92	28.92	68.5	68.4	69.1	4.59	4.58	4.61	3.18	3.30	3.10	6	5.50
	0:31		Middle	2.0	27.63	27.63		7.32	7.32		28.92	28.92		70.7	68.8		4.63	4.62		2.92	2.99		5	
9/6/2011	11:33	Fine	Middle	1.5	28.40	28.40	28.60	7.95	7.95	7.95	28.53	28.53	28.54	85.1	84.0	84.0	5.62	5.54	5.54	1.73	1.78	1.66	3	3.00
	11:37		Middle	1.5	28.80	28.80		7.95	7.95		28.55	28.55		84.5	82.4		5.57	5.43		1.52	1.60		3	
11/6/2011	11:52	Cloudy	Middle	1.5	28.40	28.40	28.45	7.86	7.86	7.88	28.86	28.86	28.87	81.6	84.5	82.1	5.40	5.58	5.42	3.10	2.47	2.82	6	6.00
	11:54		Middle	1.5	28.50	28.50		7.89	7.89		28.88	28.89		82.1	80.0		5.42	5.29		2.83	2.88		6	
13/6/2011	19:24	Cloudy	Middle	2.0	27.99	27.99	27.99	7.10	7.10	7.10	29.52	29.52	29.52	71.2	69.0	70.1	4.73	4.58	4.63	5.11	4.90	5.03	5	5.00
	19:25		Middle	2.0	27.99	27.99		7.10	7.10		29.52	29.52		70.3	70.0		4.62	4.60		5.03	5.08		5	
15/6/2011	21:13	Cloudy	Middle	1.5	27.90	27.90	27.90	7.32	7.32	7.32	26.05	26.05	26.05	66.6	65.2	65.6	4.52	4.43	4.45	5.20	5.34	5.18	8	7.00
	21:14		Middle	1.5	27.90	27.90		7.31	7.31		26.05	26.05		66.5	63.9		4.51	4.34		4.90	5.27		6	
17/6/2011	20:36	Cloudy	Middle	1.5	27.35	27.35	27.35	7.22	7.22	7.22	27.24	27.24	27.24	70.0	69.4	69.3	4.76	4.72	4.71	6.33	6.42	6.31	5	5.50
	20:37		Middle	1.5	27.35	27.35		7.21	7.21		27.24	27.24		68.5	69.2		4.66	4.71		6.18	6.29		6	
21/6/2011	6:00	Fine	Middle	1.5	27.80	27.80	27.90	7.97	7.97	7.94	28.00	28.00	28.02	75.1	73.8	74.1	5.02	4.93	4.97	3.21	3.02	3.04	7	6.50
	6:03		Middle	1.5	28.00	28.00		7.91	7.91		28.04	28.04		75.5	72.1		5.10	4.82		2.99	2.93		6	
24/6/2011	21:40	Cloudy	Middle	2.0	26.70	26.70	26.71	7.86	7.86	7.87	28.52	28.52	28.52	84.0	83.9	83.8	5.74	5.73	5.73	5.42	5.82	5.50	8	8.50
	21:41		Middle	2.0	26.71	26.71		7.87	7.87		28.51	28.51		83.7	83.6		5.72	5.71		5.53	5.24		9	
26/6/2011	2:03	Cloudy	Middle	2.0	27.97	27.97	27.97	8.01	8.01	8.01	27.38	27.38	27.38	83.9	83.7	83.6	5.63	5.62	5.61	3.61	3.57	3.60	3	3.50
	2:04		Middle	2.0	27.97	27.97		8.01	8.01		27.38	27.38		83.5	83.3		5.60	5.59		3.72	3.48		4	



**Water Monitoring Result at WSD7 - Kowloon South  
Mid-Flood Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		Turbidity			Suspended Solids		
					°C			-			ppt			%			mg/L		NTU			mg/L		
					Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value	Average	Value	Value
28/5/2011	2:00	Cloudy	Middle	2.0	25.49	25.49	25.49	7.29	7.29	7.29	31.87	31.87	31.87	82.8	79.9	78.9	5.66	5.46	5.39	3.29	3.13	3.22	5	5.00
	2:01		Middle	2.0	25.49	25.49		7.29	7.29		31.87	31.87		76.4	76.4		5.22	5.22		3.26	3.19		5	
30/5/2011	16:15	Sunny	Middle	2.0	26.38	26.38	26.38	6.76	6.76	6.74	32.27	32.27	32.27	81.7	80.8	79.9	5.49	5.43	5.37	9.00	9.17	9.10	14	15.00
	16:16		Middle	2.0	26.38	26.38		6.71	6.71		32.27	32.27		79.2	77.8		5.32	5.23		9.48	8.75		16	
1/6/2011	17:24	Cloudy	Middle	2.0	27.05	27.05	27.13	7.21	7.21	7.16	31.95	31.95	31.92	74.6	74.6	73.9	4.97	4.97	4.95	5.17	5.66	5.32	10	9.00
	17:25		Middle	2.0	27.20	27.20		7.10	7.10		31.83	31.93		72.1	74.3		4.91	4.94		5.29	5.15		8	
3/6/2011	18:15	Cloudy	Middle	2.0	27.42	27.42	27.44	6.98	6.98	6.97	31.13	31.13	31.13	73.0	74.6	72.5	4.85	4.95	4.82	7.34	6.94	7.29	9	8.00
	18:16		Middle	2.0	27.45	27.45		6.96	6.96		31.13	31.13		73.8	68.7		4.91	4.56		7.30	7.56		7	
7/6/2011	21:55	Cloudy	Middle	2.0	28.10	28.10	28.10	7.16	7.16	7.16	28.96	28.96	28.96	74.5	73.3	72.5	4.96	4.88	4.83	2.70	2.45	2.50	7	6.00
	21:56		Middle	2.0	28.10	28.10		7.16	7.16		28.96	28.96		71.0	71.0		4.73	4.73		2.53	2.30		5	
9/6/2011	8:10	Fine	Middle	1.5	28.00	28.00	28.05	7.59	7.59	7.60	29.41	29.41	29.44	66.6	63.9	66.0	4.42	4.24	4.36	2.88	2.37	2.54	7	6.50
	8:13		Middle	1.5	28.10	28.10		7.60	7.60		29.47	29.47		67.2	66.1		4.46	4.32		2.42	2.48		6	
11/6/2011	12:35	Cloudy	Middle	1.5	28.60	28.60	28.65	7.87	7.87	7.88	29.48	29.48	29.49	77.5	75.4	76.4	5.09	4.96	5.01	3.21	3.28	3.24	6	5.50
	12:39		Middle	1.5	28.70	28.70		7.88	7.88		29.50	29.50		76.7	75.8		5.03	4.97		3.34	3.12		5	
13/6/2011	16:35	Cloudy	Middle	1.5	28.45	28.45	28.46	6.86	6.86	6.86	28.48	28.48	28.49	65.3	63.7	63.6	4.20	4.22	4.19	4.92	4.84	4.56	7	6.50
	16:36		Middle	1.5	28.47	28.47		6.85	6.85		28.49	28.49		63.1	62.1		4.18	4.16		4.36	4.10		6	
15/6/2011	17:40	Cloudy	Middle	2.0	28.54	28.54	28.54	7.20	7.20	7.20	27.22	27.22	27.22	61.0	64.1	63.2	4.07	4.28	4.22	8.33	8.03	8.09	16	15.00
	17:41		Middle	2.0	28.54	28.54		7.19	7.19		27.22	27.22		66.9	60.8		4.46	4.08		8.32	7.67		14	
17/6/2011	18:20	Cloudy	Middle	2.0	27.77	27.77	27.77	7.05	7.05	7.05	26.29	26.29	26.29	71.5	68.8	69.0	4.85	4.67	4.68	6.33	6.93	6.43	6	5.50
	18:21		Middle	2.0	27.77	27.77		7.05	7.05		26.29	26.29		68.0	67.6		4.62	4.59		6.23	6.23		5	
21/6/2011	7:52	Fine	Middle	1.5	27.00	27.00	27.05	7.83	7.83	7.83	28.65	28.65	28.66	66.6	65.5	65.8	4.52	4.44	4.46	4.09	3.94	3.94	7	6.50
	7:55		Middle	1.5	27.10	27.10		7.83	7.83		28.67	28.67		66.5	64.6		4.51	4.38		4.08	3.63		6	
24/6/2011	3:12	Cloudy	Middle	2.0	26.90	26.90	26.90	7.91	7.91	7.91	29.96	29.96	29.96	76.5	76.4	76.8	5.15	5.15	5.17	2.46	2.24	2.30	5	5.50
	3:13		Middle	2.0	26.90	26.90		7.91	7.91		29.96	29.96		77.2	77.0		5.20	5.19		2.23	2.25		6	
26/6/2011	23:17	Cloudy	Middle	2.0	28.00	28.00	28.00	7.79	7.79	7.79	29.10	29.10	29.10	73.2	74.2	73.7	4.87	4.94	4.91	3.03	2.67	2.94	9	8.00
	23:18		Middle	2.0	28.00	28.00		7.79	7.79		29.10	29.10		73.8	73.6		4.92	4.90		3.10	2.96		7	



**Water Monitoring Result at WSD9 - Tai Wan  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	7:40	Fine	Middle	2.5	25.80	25.80	25.85	7.99	7.99	7.99	32.86	32.86	32.85	81.7	80.3	81.5	5.51	5.42	5.50	2.73	2.72	2.61	7	8.00
	7:45		Middle	2.5	25.90	25.90		7.98	7.98		32.84	32.84		83.0	81.1		5.60	5.47		2.57	2.42		9	
30/5/2011	7:57	Fine	Middle	2.5	25.10	25.10	25.10	7.95	7.95	7.98	33.23	33.23	33.16	90.5	89.4	88.8	6.19	6.11	6.07	3.58	3.42	3.61	5	5.50
	8:02		Middle	2.5	25.10	25.10		8.00	8.00		33.09	33.09		88.1	87.3		6.02	5.94		3.70	3.75		6	
1/6/2011	10:35	Fine	Middle	2.5	27.20	27.20	27.20	8.02	8.02	8.01	33.52	33.52	33.45	86.5	85.1	85.5	5.65	5.56	5.58	3.26	2.91	2.95	6	6.00
	10:40		Middle	2.5	27.20	27.20		8.00	8.00		33.37	33.37		86.2	84.2		5.63	5.49		2.83	2.81		6	
3/6/2011	10:58	Fine	Middle	2.5	27.90	27.90	28.05	7.94	7.94	7.94	33.25	33.25	33.21	81.9	81.0	81.4	5.29	5.17	5.24	3.07	3.22	3.04	3	4.00
	11:05		Middle	2.5	28.20	28.20		7.94	7.94		33.17	33.17		82.3	80.4		5.31	5.20		2.90	2.98		5	
7/6/2011	14:35	Fine	Middle	2.5	28.70	28.70	28.80	7.91	7.91	7.91	31.17	31.17	31.18	81.3	79.7	80.0	5.28	5.17	5.19	2.17	2.07	2.09	4	4.00
	14:40		Middle	2.5	28.90	28.90		7.90	7.90		31.19	31.19		80.7	78.2		5.23	5.07		2.07	2.04		4	
9/6/2011	15:55	Sunny	Middle	2.5	28.54	28.54	28.54	6.77	6.77	6.77	29.97	29.97	29.97	66.1	68.1	65.8	4.34	4.47	4.32	1.81	1.79	1.76	4	4.00
	15:56		Middle	2.5	28.54	28.54		6.77	6.76		29.96	29.96		65.7	63.4		4.31	4.16		1.80	1.63		4	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	7:30	Fine	Middle	2.5	26.30	26.30	26.40	7.89	7.89	7.89	30.87	30.87	30.85	76.1	74.6	76.0	5.15	5.05	5.14	1.18	1.42	1.29	5	5.50
	7:35		Middle	2.5	26.50	26.50		7.88	7.88		30.82	30.82		77.3	75.9		5.23	5.13		1.30	1.24		6	
15/6/2011	11:25	Fine	Middle	2.5	28.10	28.10	28.20	7.95	7.95	7.95	29.53	29.53	29.54	80.1	79.2	80.1	5.29	5.22	5.28	3.40	2.80	2.85	5	5.50
	11:30		Middle	2.5	28.30	28.30		7.95	7.95		29.54	29.54		81.9	79.3		5.40	5.21		2.60	2.58		6	
17/6/2011	15:53	Rainy	Middle	2.0	27.00	27.00	27.00	7.95	7.95	7.93	27.28	27.28	27.28	78.6	74.8	77.1	5.37	5.12	5.27	2.90	2.90	2.86	2	2.50
	15:58		Middle	2.0	27.00	27.00		7.90	7.90		27.28	27.28		78.1	76.7		5.33	5.24		2.98	2.65		3	
21/6/2011	16:45	Fine	Middle	2.0	27.10	27.10	27.15	8.09	8.09	8.09	29.31	29.31	29.32	98.8	96.6	97.3	6.66	6.51	6.57	2.77	2.90	2.96	8	7.00
	16:50		Middle	2.0	27.20	27.20		8.09	8.09		29.33	29.33		97.4	96.4		6.58	6.51		3.35	2.81		6	
23/6/2011	16:15	Cloudy	Middle	2.0	27.00	27.00	27.00	8.12	8.12	8.12	30.53	30.53	30.54	87.9	86.5	87.4	5.90	5.80	5.86	2.75	2.68	2.61	7	8.00
	16:20		Middle	2.0	27.00	27.00		8.12	8.12		30.55	30.55		88.9	86.2		5.96	5.78		2.67	2.33		9	
26/6/2011	11:33	Cloudy	Middle	2.0	28.37	28.37	28.37	7.95	7.95	7.95	28.61	28.61	28.61	70.6	70.0	70.0	4.56	4.53	4.52	1.61	1.60	1.66	9	8.00
	11:34		Middle	2.0	28.37	28.37		7.95	7.95		28.61	28.61		70.3	68.9		4.54	4.46		1.68	1.74		7	



**Water Monitoring Result at WSD10 - Cha Kwo Ling  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	8:23	Fine	Middle	2.5	25.30	25.30	25.40	8.05	8.05	8.04	32.93	32.93	32.93	88.5	86.8	87.9	6.02	5.90	5.98	4.13	3.94	4.10	10	10.50
	8:28		Middle	2.5	25.50	25.50		8.03	8.03		32.93	32.93		88.7	87.7		6.03	5.96		4.35	3.96		11	
30/5/2011	9:35	Fine	Middle	2.5	25.40	25.40	25.45	8.07	8.07	8.07	33.17	33.17	33.17	88.4	87.5	88.3	6.00	5.94	6.00	3.97	3.94	3.76	9	8.00
	9:40		Middle	2.5	25.50	25.50		8.06	8.06		33.16	33.16		89.4	87.8		6.07	5.98		3.58	3.54		7	
1/6/2011	11:20	Fine	Middle	2.5	27.10	27.10	27.10	8.03	8.03	8.03	33.50	33.50	33.44	90.7	89.2	88.2	5.99	5.89	5.81	3.46	3.35	3.43	12	11.00
	11:25		Middle	2.5	27.10	27.10		8.03	8.03		33.37	33.37		87.2	85.5		5.74	5.63		3.50	3.40		10	
3/6/2011	11:24	Fine	Middle	2.5	27.00	27.00	27.10	7.99	7.99	7.99	33.51	33.51	33.43	83.8	82.4	83.2	5.49	5.41	5.45	4.30	4.31	4.27	10	9.00
	11:29		Middle	2.5	27.20	27.20		7.98	7.98		33.35	33.35		84.7	82.0		5.54	5.36		4.40	4.05		8	
7/6/2011	15:00	Fine	Middle	2.0	28.50	28.50	28.70	7.98	7.98	7.98	31.23	31.23	31.21	88.3	87.6	87.9	5.73	5.69	5.71	3.33	2.77	2.91	5	5.50
	15:05		Middle	2.0	28.90	28.90		7.97	7.97		31.19	31.19		88.5	87.3		5.74	5.66		2.66	2.89		6	
9/6/2011	15:15	Sunny	Middle	2.5	29.38	29.38	29.38	6.41	6.41	6.41	29.91	29.91	29.88	73.0	72.8	71.1	4.75	4.74	4.63	2.75	2.74	2.96	4	3.50
	15:16		Middle	2.5	29.38	29.38		6.41	6.41		29.85	29.85		70.1	68.6		4.55	4.46		3.08	3.25		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	7:00	Fine	Middle	3.0	26.10	26.10	26.20	7.85	7.85	7.86	32.13	32.13	32.12	71.2	69.0	70.1	4.79	4.64	4.72	1.68	1.59	1.60	8	7.00
	7:04		Middle	3.0	26.30	26.30		7.86	7.86		32.10	32.10		71.8	68.5		4.83	4.61		1.52	1.60		6	
15/6/2011	10:35	Fine	Middle	2.0	27.10	27.10	27.15	7.99	7.99	7.99	29.77	29.77	29.79	79.6	79.9	79.3	5.34	5.37	5.33	4.23	4.11	4.04	11	12.00
	10:38		Middle	2.0	27.20	27.20		7.98	7.98		29.80	29.80		79.3	78.5		5.32	5.27		3.94	3.89		13	
17/6/2011	16:30	Rainy	Middle	2.0	27.50	27.50	27.50	7.84	7.84	7.85	27.22	27.22	27.21	69.4	67.8	67.6	4.74	4.63	4.62	4.23	4.61	4.33	5	6.00
	16:34		Middle	2.0	27.50	27.50		7.86	7.86		27.19	27.19		67.0	66.3		4.57	4.52		4.17	4.29		7	
21/6/2011	17:20	Fine	Middle	2.0	26.10	26.10	26.10	8.13	8.13	8.14	30.15	30.15	30.17	99.2	98.0	98.4	6.79	6.70	6.73	4.76	4.39	4.51	9	8.00
	17:24		Middle	2.0	26.10	26.10		8.14	8.14		30.19	30.19		98.6	97.9		6.75	6.69		4.36	4.52		7	
23/6/2011	15:43	Cloudy	Middle	2.0	27.10	27.10	27.10	8.13	8.13	8.13	30.57	30.57	30.59	90.3	89.4	89.9	6.05	5.99	6.02	4.60	4.08	4.15	14	15.00
	15:47		Middle	2.0	27.10	27.10		8.13	8.13		30.61	30.61		90.8	89.0		6.08	5.96		4.03	3.87		16	
26/6/2011	10:38	Cloudy	Middle	2.0	28.46	28.46	28.46	7.99	7.99	7.99	28.59	28.59	28.59	79.1	80.5	80.6	5.16	5.38	5.29	1.90	1.97	1.83	8	8.00
	10:39		Middle	2.0	28.46	28.46		7.99	7.99		28.58	28.58		81.8	81.0		5.33	5.28		1.99	1.47		8	





**Water Monitoring Result at WSD15 - Sai Wan Ho  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	8:52	Fine	Middle	3	25.70	25.70	25.75	8.03	8.03	8.03	33.05	33.05	33.05	87.3	85.6	86.6	5.90	5.79	5.85	3.49	3.77	3.65	10	9.00
	8:56		Middle	3	25.80	25.80		8.03	8.03		33.05	33.05		87.9	85.4		5.95	5.77		3.50	3.83		8	
30/5/2011	10:06	Fine	Middle	3	25.50	25.50	25.60	8.11	8.11	8.10	33.22	33.22	33.21	89.9	87.5	88.9	6.09	5.92	6.02	3.25	3.25	3.17	11	12.00
	10:11		Middle	3	25.70	25.70		8.09	8.09		33.20	33.20		90.3	87.8		6.12	5.94		3.32	2.87		13	
1/6/2011	11:47	Fine	Middle	3	27.20	27.20	27.35	8.02	8.02	8.01	33.28	33.28	33.29	82.8	82.1	82.3	5.44	5.39	5.40	3.32	3.05	3.06	8	7.50
	11:52		Middle	3	27.50	27.50		8.00	8.00		33.29	33.29		83.1	81.3		5.45	5.33		2.89	2.96		7	
3/6/2011	11:51	Fine	Middle	3	27.10	27.10	27.25	7.95	7.95	7.94	33.37	33.37	33.33	72.7	71.4	72.4	4.77	4.68	4.75	3.03	2.60	2.76	8	7.00
	11:54		Middle	3	27.40	27.40		7.93	7.93		33.29	33.29		73.1	72.5		4.80	4.76		2.69	2.70		6	
7/6/2011	15:43	Fine	Middle	2	27.90	27.90	28.05	7.94	7.94	7.94	31.79	31.79	31.76	75.1	73.3	73.7	4.92	4.79	4.82	2.86	2.51	2.48	6	6.00
	15:47		Middle	2	28.20	28.20		7.94	7.94		31.73	31.73		74.4	71.8		4.86	4.69		2.27	2.29		6	
9/6/2011	19:30	Sunny	Middle	3	28.57	28.57	28.57	6.98	6.98	6.98	29.61	29.61	29.61	75.9	74.2	75.0	4.99	4.88	4.93	1.88	1.61	1.69	5	4.00
	19:31		Middle	3	28.57	28.57		6.98	6.98		29.61	29.61		75.4	74.5		4.96	4.90		1.75	1.50		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:00	Fine	Middle	3	27.00	27.00	27.05	7.90	7.90	7.90	31.06	31.06	31.05	61.1	60.2	60.6	4.06	4.00	4.02	3.90	3.89	3.82	16	15.00
	11:03		Middle	3	27.10	27.10		7.89	7.89		31.04	31.04		60.8	60.1		4.03	3.98		3.74	3.74		14	
15/6/2011	10:00	Fine	Middle	2	27.30	27.30	27.35	7.91	7.91	7.92	30.42	30.42	30.43	76.8	76.6	76.7	5.12	5.10	5.11	2.82	2.74	2.87	6	6.00
	10:03		Middle	2	27.40	27.40		7.92	7.92		30.43	30.43		77.0	76.2		5.13	5.07		3.20	2.70		6	
17/6/2011	16:26	Rainy	Middle	2	27.00	27.00	27.05	7.91	7.91	7.91	27.84	27.84	27.85	73.2	72.7	73.0	4.98	4.95	4.97	3.38	3.55	3.45	<2	<2
	16:31		Middle	2	27.10	27.10		7.90	7.90		27.85	27.85		74.2	72.0		5.05	4.90		3.48	3.37		<2	
21/6/2011	14:05	Fine	Middle	3	26.20	26.20	26.25	8.06	8.06	8.07	30.36	30.36	30.37	97.8	96.0	97.2	6.65	6.53	6.61	3.46	3.39	3.41	8	7.00
	14:09		Middle	3	26.30	26.30		8.07	8.07		30.37	30.37		98.5	96.4		6.69	6.55		3.48	3.31		6	
23/6/2011	15:18	Cloudy	Middle	3	27.20	27.20	27.25	8.12	8.12	8.12	30.69	30.69	30.69	81.9	79.2	80.6	5.47	5.30	5.38	5.79	6.28	5.40	14	13.00
	15:22		Middle	3	27.30	27.30		8.12	8.12		30.69	30.69		80.9	80.3		5.40	5.36		4.66	4.86		12	
26/6/2011	9:16	Cloudy	Middle	3	28.30	28.30	28.30	7.97	7.97	7.97	28.76	28.76	28.73	77.8	77.8	75.8	5.00	5.00	4.87	2.04	1.79	1.82	7	6.00
	9:17		Middle	3	28.29	28.29		7.97	7.97		28.70	28.70		75.3	72.2		4.83	4.64		1.65	1.80		5	



**Water Monitoring Result at WSD17 - Quarry Bay  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	9:20	Fine	Middle	3	26.00	26.00	26.10	7.96	7.96	7.96	32.62	32.62	32.61	79.2	78.0	79.3	5.32	5.23	5.32	3.31	3.30	3.23	5	4.00
	9:24		Middle	3	26.20	26.20		7.96	7.96		32.59	32.59		80.6	79.5		5.41	5.33		3.26	3.04		3	
30/5/2011	10:40	Fine	Middle	3	25.70	25.70	25.85	8.05	8.05	8.04	32.92	32.92	32.97	83.8	82.5	83.1	5.64	5.55	5.58	5.49	5.62	5.37	9	8.50
	10:45		Middle	3	26.00	26.00		8.02	8.02		33.01	33.01		84.1	82.0		5.64	5.49		5.05	5.33		8	
1/6/2011	12:10	Fine	Middle	3	27.10	27.10	27.25	7.88	7.88	7.89	32.50	32.50	32.53	72.4	71.3	72.1	4.78	4.70	4.75	4.32	4.40	4.50	8	7.50
	12:15		Middle	3	27.40	27.40		7.89	7.89		32.55	32.55		73.2	71.6		4.82	4.71		4.80	4.47		7	
3/6/2011	12:18	Fine	Middle	3	27.80	27.80	27.90	7.83	7.83	7.85	31.75	31.75	31.74	63.5	62.4	63.3	4.16	4.09	4.15	4.78	4.66	4.71	5	4.50
	12:21		Middle	3	28.00	28.00		7.87	7.87		31.73	31.73		64.0	63.2		4.20	4.14		4.69	4.71		4	
7/6/2011	16:03	Fine	Middle	3	28.60	28.60	28.80	7.88	7.88	7.88	31.06	31.06	31.07	74.6	72.5	74.1	4.85	4.71	4.81	2.91	2.54	2.60	5	6.00
	16:08		Middle	3	29.00	29.00		7.88	7.88		31.08	31.08		75.3	73.8		4.88	4.78		2.44	2.51		7	
9/6/2011	19:00	Sunny	Middle	2	28.23	28.23	28.24	6.85	6.85	6.85	29.76	29.76	29.78	75.8	72.7	72.6	5.02	4.81	4.80	1.48	1.53	1.48	4	3.50
	19:01		Middle	2	28.24	28.24		6.85	6.85		29.79	29.79		70.5	71.2		4.66	4.70		1.46	1.43		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:25	Fine	Middle	2	27.30	27.30	27.35	7.89	7.89	7.89	30.88	30.88	30.88	67.4	67.8	68.4	4.44	4.47	4.50	2.20	1.92	1.97	5	5.00
	11:28		Middle	2	27.40	27.40		7.89	7.89		30.87	30.87		69.4	69.0		4.56	4.53		1.96	1.78		5	
15/6/2011	9:23	Fine	Middle	2	28.00	28.00	28.05	7.86	7.86	7.87	29.67	29.67	29.67	71.9	71.2	71.3	4.71	4.64	4.69	2.71	2.76	2.71	6	6.00
	9:26		Middle	2	28.10	28.10		7.87	7.87		29.66	29.66		70.1	71.9		4.69	4.70		2.61	2.74		6	
17/6/2011	16:51	Rainy	Middle	2	26.90	26.90	26.95	7.90	7.90	7.90	27.97	27.97	27.94	71.1	68.4	69.7	4.84	4.65	4.74	4.27	3.88	3.95	5	4.50
	16:55		Middle	2	27.00	27.00		7.90	7.90		27.91	27.91		70.8	68.4		4.81	4.65		3.89	3.77		4	
21/6/2011	14:26	Fine	Middle	3	26.30	26.30	26.30	8.08	8.08	8.10	30.10	30.10	30.09	98.2	96.5	97.3	6.81	6.70	6.75	2.89	2.64	2.61	10	9.00
	14:30		Middle	3	26.30	26.30		8.11	8.11		30.08	30.08		98.6	96.0		6.84	6.65		2.56	2.34		8	
23/6/2011	14:58	Cloudy	Middle	2	27.00	27.00	27.10	8.08	8.08	8.07	30.49	30.49	30.50	76.6	74.2	75.0	5.13	4.96	5.01	4.91	4.55	4.82	9	10.00
	15:02		Middle	2	27.20	27.20		8.05	8.05		30.50	30.50		75.5	73.5		5.04	4.90		4.87	4.93		11	
26/6/2011	8:50	Cloudy	Middle	2	28.32	28.32	28.32	7.98	7.98	7.98	28.60	28.60	28.60	69.9	69.7	69.7	4.64	4.62	4.62	1.39	1.41	1.37	6	5.00
	8:51		Middle	2	28.32	28.32		7.98	7.98		28.60	28.60		69.5	69.5		4.61	4.61		1.34	1.32		4	



**Water Monitoring Result at C9 - Provident Centre  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	8:00	Fine	Middle	2	25.12	25.12	25.13	7.74	7.74	7.75	32.22	32.22	32.21	63.0	63.5	63.6	4.33	4.36	4.37	3.24	3.26	3.35	6	6.00
	8:04		Middle	2	25.14	25.14		7.75	7.75		32.19	32.19		64.1	63.6		4.41	4.37		3.35	3.53		6	
30/5/2011	13:15	Fine	Middle	2	25.70	25.70	25.75	7.97	7.97	7.97	32.74	32.74	32.74	75.9	75.2	75.2	5.14	5.07	5.09	4.66	5.08	4.72	6	6.00
	13:18		Middle	2	25.80	25.80		7.97	7.97		32.74	32.74		74.7	75.1		5.06	5.10		4.77	4.38		6	
1/6/2011	15:05	Fine	Middle	3	26.80	26.80	26.85	7.90	7.90	7.90	32.72	32.72	32.72	62.0	55.2	56.9	4.12	3.72	3.86	6.78	6.71	6.28	8	8.00
	15:08		Middle	3	26.90	26.90		7.89	7.89		32.71	32.71		55.1	55.3		3.73	3.88		5.87	5.76		8	
3/6/2011	15:10	Fine	Middle	2	26.60	26.60	26.65	7.93	7.93	7.93	32.05	32.05	32.05	70.6	70.0	70.3	4.73	4.69	4.71	7.58	7.46	7.41	8	9.00
	15:13		Middle	2	26.70	26.70		7.92	7.92		32.04	32.04		70.2	70.5		4.70	4.72		7.30	7.31		10	
7/6/2011	18:15	Fine	Middle	2	27.70	27.70	27.75	7.94	7.94	7.94	29.64	29.64	29.65	78.4	78.1	77.6	5.22	5.20	5.16	1.86	1.95	1.91	3	2.50
	18:18		Middle	2	27.80	27.80		7.93	7.93		29.65	29.65		76.9	76.8		5.12	5.11		1.95	1.88		2	
9/6/2011	18:35	Sunny	Middle	2	28.63	28.63	28.63	6.76	6.76	6.76	28.87	28.87	28.88	75.3	73.4	74.3	4.98	4.85	4.91	2.06	2.26	2.04	5	5.50
	18:36		Middle	2	28.62	28.62		6.75	6.75		28.88	28.88		73.9	74.4		4.88	4.91		1.84	2.01		6	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	12:50	Fine	Middle	2	27.50	27.60	27.58	7.90	7.90	7.90	29.46	29.46	29.46	62.7	64.6	64.3	4.20	4.33	4.31	4.10	3.96	3.99	12	12.00
	12:53		Middle	2	27.60	27.60		7.90	7.90		29.46	29.46		65.4	64.4		4.36	4.36		4.01	3.89		12	
15/6/2011	14:49	Fine	Middle	2	28.00	28.00	28.05	8.08	8.08	8.09	27.76	27.76	27.77	85.6	88.8	86.0	5.74	5.82	5.74	5.22	5.37	5.12	14	13.00
	14:51		Middle	2	28.10	28.10		8.09	8.09		27.78	27.78		85.7	84.0		5.75	5.64		5.18	4.70		12	
17/6/2011	11:55	Rainy	Middle	2	26.80	26.80	26.80	7.88	7.88	7.88	27.32	27.32	27.32	65.6	65.4	65.5	4.50	4.49	4.50	4.46	4.40	4.36	5	5.00
	11:58		Middle	2	26.80	26.80		7.87	7.87		27.31	27.31		65.1	65.8		4.47	4.52		4.22	4.34		5	
21/6/2011	12:40	Fine	Middle	2	26.10	26.10	26.10	7.87	7.87	7.87	29.41	29.41	29.41	83.2	83.1	83.2	5.68	5.67	5.67	3.54	3.46	3.57	8	7.00
	12:42		Middle	2	26.10	26.10		7.86	7.86		29.41	29.41		83.0	83.3		5.64	5.69		3.72	3.55		6	
23/6/2011	14:34	Cloudy	Middle	2	26.70	26.70	26.70	8.10	8.10	8.09	30.55	30.55	30.55	71.3	70.5	70.9	4.87	4.76	4.80	3.98	4.29	4.13	7	6.50
	14:36		Middle	2	26.70	26.70		8.08	8.08		30.55	30.55		71.1	70.6		4.80	4.76		4.26	4.00		6	
26/6/2011	6:21	Cloudy	Middle	2	28.20	28.20	28.20	7.98	7.98	7.98	28.61	28.61	28.61	81.2	81.0	80.9	5.33	5.31	5.52	2.33	2.21	2.38	5	5.00
	6:22		Middle	2	28.20	28.20		7.98	7.98		28.61	28.61		80.7	80.5		5.72	5.70		2.49	2.50		5	



**Water Monitoring Result at C8 - City Garden  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	11:40	Fine	Middle	2	26.70	26.70	26.85	7.84	7.84	7.82	31.40	31.40	31.37	63.4	62.4	63.3	4.24	4.17	4.22	7.70	7.57	7.76	7	6.50
	11:45		Middle	2	27.00	27.00		7.80	7.80		31.33	31.33		64.8	62.4		4.32	4.16		7.65	8.12		6	
30/5/2011	12:56	Fine	Middle	2	25.50	25.50	25.60	7.90	7.90	7.91	31.74	31.74	31.72	74.5	71.6	72.6	5.15	4.89	4.97	7.19	6.22	6.52	13	12.00
	13:00		Middle	2	25.70	25.70		7.91	7.91		31.69	31.69		72.7	71.6		4.96	4.88		5.93	6.74		11	
1/6/2011	14:43	Fine	Middle	2	26.70	26.70	26.85	7.90	7.90	7.90	32.47	32.47	32.47	72.6	71.5	72.2	4.81	4.73	4.78	5.11	5.25	5.21	11	10.00
	14:46		Middle	2	27.00	27.00		7.89	7.89		32.47	32.47		72.9	71.8		4.82	4.74		5.05	5.41		9	
3/6/2011	14:45	Fine	Middle	2	27.00	27.00	27.05	7.88	7.88	7.88	31.77	31.77	31.77	68.5	67.8	68.1	4.56	4.51	4.53	10.00	9.46	9.38	8	7.00
	14:48		Middle	2	27.10	27.10		7.88	7.88		31.77	31.77		68.6	67.5		4.56	4.48		8.87	9.19		6	
7/6/2011	17:50	Fine	Middle	2	27.60	27.60	27.75	7.89	7.89	7.89	29.77	29.77	29.63	73.9	72.1	73.8	4.88	4.76	4.87	9.52	8.67	8.89	22	<b>23.50</b>
	17:54		Middle	2	27.90	27.90		7.89	7.89		29.49	29.49		75.0	74.1		4.95	4.89		8.76	8.62		25	
9/6/2011	18:15	Sunny	Middle	2	28.85	28.85	28.85	6.65	6.65	6.65	29.04	29.04	29.04	76.3	73.7	73.6	5.02	4.85	4.84	1.70	1.75	1.75	4	4.00
	18:16		Middle	2	28.85	28.85		6.65	6.65		29.04	29.03		72.1	72.1		4.74	4.74		1.75	1.78		4	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	12:30	Fine	Middle	2	28.80	28.80	28.90	7.87	7.87	7.87	29.29	29.29	29.26	71.8	69.0	70.9	4.68	4.50	4.62	4.76	4.60	4.55	9	10.00
	12:33		Middle	2	29.00	29.00		7.87	7.87		29.23	29.23		72.4	70.4		4.71	4.58		4.60	4.23		11	
15/6/2011	14:25	Fine	Middle	2	28.40	28.40	28.50	7.96	7.96	7.96	27.60	27.60	27.58	80.2	79.7	79.7	5.34	5.30	5.28	7.28	7.31	7.21	9	9.50
	14:28		Middle	2	28.60	28.60		7.96	7.96		27.56	27.56		80.1	78.9		5.32	5.17		7.19	7.05		10	
17/6/2011	11:40	Rainy	Middle	2	25.70	25.70	25.65	7.98	7.98	7.98	25.50	25.50	25.49	78.0	77.0	77.6	5.50	5.45	5.49	5.51	4.65	5.05	6	5.50
	11:43		Middle	2	25.60	25.60		7.97	7.97		25.48	25.48		78.1	77.4		5.53	5.49		4.97	5.06		5	
21/6/2011	13:45	Fine	Middle	2	26.80	26.80	26.90	8.04	8.04	8.02	29.09	29.09	29.09	78.8	77.5	78.6	5.34	5.25	5.32	5.62	5.55	5.60	8	7.50
	13:48		Middle	2	27.00	27.00		7.99	7.99		29.08	29.08		79.5	78.4		5.38	5.31		5.63	5.60		7	
23/6/2011	14:18	Cloudy	Middle	2	27.10	27.10	27.15	7.97	7.97	7.97	30.25	30.25	30.24	71.7	70.4	70.5	4.80	4.72	4.72	4.38	4.18	4.07	6	6.00
	14:23		Middle	2	27.20	27.20		7.97	7.97		30.22	30.22		70.9	68.8		4.75	4.61		3.97	3.76		6	
26/6/2011	8:43	Cloudy	Middle	2	28.30	28.30	28.30	7.90	7.90	7.90	28.26	28.26	28.26	70.1	69.9	69.8	4.71	4.70	4.67	1.79	1.86	1.85	5	5.00
	8:44		Middle	2	28.30	28.30		7.90	7.90		28.26	28.26		69.5	69.5		4.64	4.64		1.93	1.83		5	



**Water Monitoring Result at C7 - Windsor House  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	11:18	Fine	Middle	2	26.50	26.50	26.55	7.75	7.75	7.75	31.64	31.64	31.66	47.7	46.3	48.5	3.17	3.07	3.22	1.47	1.65	1.52	5	4.50
	11:23		Middle	2	26.60	26.60		7.75	7.75		31.68	31.68		49.8	50.1		3.30	3.33		1.49	1.46		4	
30/5/2011	12:40	Fine	Middle	1	24.90	24.90	25.00	7.89	7.89	7.89	32.07	32.07	32.10	66.1	64.5	65.4	4.54	4.42	4.49	1.85	1.78	1.79	2	2.00
	12:43		Middle	1	25.10	25.10		7.88	7.88		32.12	32.12		66.2	64.8		4.54	4.44		1.77	1.75		2	
1/6/2011	14:20	Fine	Middle	1	27.60	27.60	27.60	7.96	7.96	7.96	31.79	31.79	31.77	83.8	81.5	82.8	5.53	5.38	5.48	2.43	2.43	2.29	8	7.50
	14:23		Middle	1	27.60	27.60		7.95	7.95		31.74	31.74		84.0	82.0		5.55	5.44		2.05	2.24		7	
3/6/2011	14:27	Fine	Middle	1	27.20	27.20	27.33	7.82	7.82	7.82	31.66	31.66	31.64	62.5	60.5	61.8	4.13	4.00	4.08	2.60	2.51	2.52	4	5.00
	14:30		Middle	1	27.40	27.50		7.81	7.81		31.61	31.61		62.7	61.4		4.14	4.04		2.47	2.49		6	
7/6/2011	17:35	Fine	Middle	1	28.50	28.50	28.60	7.78	7.78	7.77	29.55	29.55	29.55	58.1	57.3	57.9	3.80	3.74	3.78	2.30	2.11	2.13	6	5.00
	17:38		Middle	1	28.70	28.70		7.76	7.76		29.54	29.54		58.9	57.1		3.85	3.73		2.17	1.94		4	
9/6/2011	17:51	Sunny	Middle	2	28.80	28.80	28.80	6.44	6.44	6.44	28.82	28.81	28.81	67.2	67.3	67.1	4.41	4.42	4.40	4.54	4.59	4.59	9	8.50
	17:52		Middle	2	28.80	28.80		6.44	6.44		28.81	28.81		66.0	67.7		4.33	4.44		4.53	4.68		8	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	12:15	Fine	Middle	2	29.80	29.80	29.85	7.71	7.71	7.71	28.58	28.58	28.62	56.3	56.0	56.1	3.64	3.62	3.63	1.72	1.64	1.61	<2	2.00
	12:18		Middle	2	29.90	29.90		7.71	7.71		28.66	28.66		56.8	55.4		3.67	3.57		1.52	1.57		2	
15/6/2011	14:07	Fine	Middle	2	28.50	28.50	28.60	7.83	7.83	7.81	28.59	28.59	28.60	52.2	51.4	51.8	3.44	3.39	3.41	2.26	2.10	2.06	3	2.50
	14:10		Middle	2	28.70	28.70		7.78	7.78		28.60	28.60		52.3	51.1		3.45	3.37		1.93	1.96		2	
17/6/2011	10:40	Rainy	Middle	2	26.70	26.70	26.70	7.73	7.73	7.73	28.16	28.16	28.16	45.6	45.0	45.8	3.12	3.09	3.14	5.56	5.94	5.66	5	7.00
	10:42		Middle	2	26.70	26.70		7.73	7.73		28.16	28.16		47.0	45.7		3.21	3.13		5.47	5.65		9	
21/6/2011	13:25	Fine	Middle	2	27.90	27.90	27.90	7.85	7.85	7.85	28.78	28.78	28.78	60.8	59.9	60.6	4.05	3.98	4.03	6.38	6.54	6.14	6	7.00
	13:28		Middle	2	27.90	27.90		7.85	7.85		28.78	28.78		60.2	61.4		4.00	4.08		5.65	5.98		8	
23/6/2011	13:59	Cloudy	Middle	2	27.20	27.20	27.30	7.94	7.94	7.94	30.08	30.08	30.09	60.8	59.8	60.4	4.06	4.00	4.04	3.70	3.78	3.65	9	8.00
	14:00		Middle	2	27.40	27.40		7.93	7.93		30.10	30.10		61.3	59.6		4.10	3.98		3.62	3.51		7	
26/6/2011	8:30	Cloudy	Middle	2	28.37	28.37	28.37	7.94	7.94	7.90	28.35	28.35	28.37	70.6	69.1	69.6	4.54	4.44	4.47	2.18	2.29	2.18	7	6.00
	8:31		Middle	2	28.37	28.37		7.86	7.86		28.38	28.38		70.0	68.8		4.47	4.42		2.29	1.97		5	



**Water Monitoring Result at C1 - HKCEC  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	9:45	Fine	Middle	2.5	27.00	27.00	27.05	7.94	7.94	7.95	32.30	32.30	32.35	87.8	87.3	86.9	5.81	5.78	5.76	3.83	3.53	3.67	7	6.00
	9:48		Middle	2.5	27.10	27.10		7.95	7.95		32.40	32.40		86.5	86.1		5.74	5.72		3.67	3.64		5	
30/5/2011	10:07	Fine	Middle	2.5	25.90	25.90	25.95	8.04	8.04	8.05	33.00	33.00	33.00	90.6	90.2	89.9	6.12	6.08	6.07	4.32	3.84	3.99	10	9.00
	10:10		Middle	2.5	26.00	26.00		8.05	8.05		33.00	33.00		89.6	89.2		6.05	6.01		3.92	3.87		8	
1/6/2011	12:15	Fine	Middle	2.0	28.20	28.20	28.25	7.91	7.91	7.92	32.50	32.50	32.55	88.9	86.8	86.7	5.75	5.62	5.62	4.58	4.86	4.94	9	8.50
	12:18		Middle	2.0	28.30	28.30		7.92	7.92		32.60	32.60		85.8	85.3		5.57	5.53		4.67	5.66		8	
3/6/2011	11:08	Fine	Middle	2.0	27.60	27.60	27.70	7.94	7.94	7.95	32.00	32.00	32.00	91.9	91.5	91.2	6.04	5.99	5.98	5.60	5.33	5.45	6	6.00
	11:11		Middle	2.0	27.80	27.80		7.95	7.95		32.00	32.00		90.8	90.6		5.96	5.94		5.52	5.35		6	
7/6/2011	16:28	Fine	Middle	2.5	28.80	28.80	28.75	7.97	7.97	7.98	29.60	29.60	29.65	93.0	92.9	92.8	6.07	6.06	6.06	1.81	1.75	1.76	3	3.50
	16:31		Middle	2.5	28.70	28.70		7.98	7.98		29.70	29.70		92.8	92.6		6.05	6.04		1.70	1.76		4	
9/6/2011	16:40	Sunny	Middle	2.5	30.10	30.10	30.15	7.96	7.96	7.96	28.80	28.80	28.75	90.1	89.9	89.9	5.77	5.76	5.76	1.76	1.96	1.89	4	3.50
	16:43		Middle	2.5	30.20	30.20		7.96	7.96		28.70	28.70		89.8	89.7		5.76	5.75		1.93	1.92		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	10:30	Fine	Middle	2.0	28.40	28.40	28.45	7.93	7.93	7.94	29.00	29.00	29.00	87.7	87.3	86.9	5.79	5.74	5.72	2.19	2.21	2.32	6	5.50
	10:35		Middle	2.0	28.50	28.50		7.94	7.94		29.00	29.00		86.5	85.9		5.70	5.65		2.41	2.48		5	
15/6/2011	10:25	Fine	Middle	2.0	27.20	27.20	27.20	8.02	8.02	8.03	27.90	27.90	27.90	97.7	97.4	97.5	6.60	6.58	6.59	5.92	5.39	5.66	7	6.50
	10:28		Middle	2.0	27.20	27.20		8.03	8.03		27.90	27.90		97.5	97.4		6.58	6.58		5.61	5.72		6	
17/6/2011	13:45	Rainy	Middle	2.5	27.40	27.40	27.45	7.91	7.91	7.91	26.70	26.70	26.65	90.3	89.8	89.7	6.13	6.10	6.08	3.77	3.68	3.94	4	3.50
	13:48		Middle	2.5	27.50	27.50		7.90	7.90		26.60	26.60		89.7	89.0		6.07	6.01		4.61	3.69		3	
21/6/2011	15:32	Fine	Middle	2.5	27.37	27.37	27.38	8.85	8.85	8.85	28.09	28.08	28.08	90.5	90.4	90.4	6.09	6.08	6.08	3.28	3.30	3.10	6	7.00
	15:35		Middle	2.5	27.38	27.38		8.84	8.84		28.08	28.08		90.3	90.2		6.07	6.06		2.92	2.91		8	
23/6/2011	16:37	Cloudy	Middle	2.5	27.10	27.10	27.15	8.02	8.02	8.03	30.20	30.20	30.25	90.6	90.0	89.9	6.01	5.95	5.95	3.59	3.72	3.56	11	10.00
	16:40		Middle	2.5	27.20	27.20		8.03	8.03		30.30	30.30		89.6	89.3		5.93	5.91		3.54	3.40		9	
26/6/2011	6:45	Cloudy	Middle	2.0	28.70	28.70	28.70	8.01	8.01	8.01	28.30	28.30	28.30	84.9	83.4	84.2	5.60	5.50	5.56	1.97	1.86	1.89	5	4.00
	6:46		Middle	2.0	28.70	28.70		8.01	8.01		28.30	28.30		84.5	84.1		5.58	5.57		1.93	1.78		3	



**Water Monitoring Result at C2 - TH / APA / SOC  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	9:35	Fine	Middle	2.0	26.80	26.80	26.75	7.85	7.85	7.85	32.10	32.10	32.15	81.0	80.1	79.7	5.40	5.37	5.32	3.00	3.02	3.03	4	3.50
	9:38		Middle	2.0	26.70	26.70		7.84	7.84		32.20	32.20		79.2	78.3		5.28	5.24		3.10	2.98		3	
30/5/2011	9:55	Fine	Middle	1.5	25.50	25.50	25.55	7.96	7.96	7.97	32.70	32.70	32.75	89.9	89.2	89.3	6.11	6.08	6.07	4.80	4.51	4.53	7	7.50
	9:58		Middle	1.5	25.60	25.60		7.97	7.97		32.80	32.80		89.6	88.4		6.05	6.02		4.46	4.34		8	
1/6/2011	11:56	Fine	Middle	1.0	27.80	27.80	27.90	7.88	7.88	7.89	32.50	32.50	32.45	85.8	84.6	84.4	5.63	5.58	5.55	5.28	4.97	5.19	13	12.00
	11:59		Middle	1.0	28.00	28.00		7.89	7.89		32.40	32.40		83.8	83.2		5.50	5.47		5.30	5.20		11	
3/6/2011	11:00	Fine	Middle	1.5	28.00	28.00	27.95	7.80	7.80	7.81	31.70	31.70	31.75	85.7	85.3	84.8	5.67	5.60	5.58	8.59	8.17	8.13	13	12.00
	11:03		Middle	1.5	27.90	27.90		7.81	7.81		31.80	31.80		84.3	83.7		5.56	5.49		7.81	7.94		11	
7/6/2011	16:15	Fine	Middle	1.5	28.00	28.00	28.10	7.93	7.93	7.94	29.80	29.80	29.85	90.8	90.7	90.3	5.98	5.96	5.93	2.58	2.72	2.54	9	8.00
	16:18		Middle	1.5	28.20	28.20		7.94	7.94		29.90	29.90		89.9	89.8		5.92	5.87		2.46	2.41		7	
9/6/2011	16:30	Sunny	Middle	1.5	29.20	29.20	29.25	7.92	7.92	7.93	29.30	29.30	29.35	93.0	92.2	92.2	5.99	5.94	5.94	2.39	2.36	2.25	4	3.00
	16:33		Middle	1.5	29.30	29.30		7.93	7.93		29.40	29.40		92.0	91.4		5.92	5.89		2.16	2.10		2	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	10:15	Fine	Middle	1.5	27.70	27.70	27.75	7.85	7.85	7.86	29.40	29.40	29.35	83.8	83.7	83.3	5.62	5.59	5.58	3.23	2.96	3.14	8	7.00
	10:18		Middle	1.5	27.80	27.80		7.86	7.86		29.30	29.30		83.1	82.7		5.57	5.52		3.00	3.36		6	
15/6/2011	10:15	Fine	Middle	1.0	27.70	27.70	27.75	7.95	7.95	7.96	28.60	28.60	28.65	86.3	85.9	85.7	5.75	5.72	5.71	4.59	4.46	4.46	6	6.00
	10:18		Middle	1.0	27.80	27.80		7.96	7.96		28.70	28.70		85.5	85.2		5.70	5.66		4.32	4.47		6	
17/6/2011	13:32	Rainy	Middle	1.5	27.20	27.20	27.15	7.80	7.80	7.81	26.90	26.90	26.83	87.8	87.3	87.1	5.98	5.95	5.93	4.73	4.33	4.53	4	4.00
	13:35		Middle	1.5	27.10	27.10		7.81	7.81		26.70	26.80		86.8	86.3		5.91	5.89		4.50	4.55		4	
21/6/2011	15:20	Fine	Middle	1.5	27.61	27.61	27.62	8.98	8.98	8.99	28.42	28.42	28.42	91.7	91.8	91.7	6.16	6.17	6.16	2.85	3.21	3.01	7	6.00
	15:23		Middle	1.5	27.63	27.63		8.99	8.99		28.41	28.41		91.7	91.5		6.15	6.14		2.99	3.00		5	
23/6/2011	16:30	Cloudy	Middle	1.5	27.40	27.40	27.45	7.81	7.81	7.82	30.20	30.20	30.15	87.6	87.0	86.5	5.82	5.75	5.73	4.89	4.67	4.39	10	9.50
	16:35		Middle	1.5	27.50	27.50		7.82	7.82		30.10	30.10		86.0	85.4		5.71	5.65		3.79	4.21		9	
26/6/2011	8:51	Cloudy	Middle	2.0	28.80	28.80	28.80	7.93	7.93	7.93	28.50	28.50	28.50	83.5	83.5	83.4	5.50	5.50	5.49	1.60	1.37	1.69	4	3.50
	8:52		Middle	2.0	28.80	28.80		7.93	7.93		28.50	28.50		83.4	83.1		5.48	5.46		1.86	1.92		3	



**Water Monitoring Result at C3 - HKCEC Phase I  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids		Remarks				
					°C		-		ppt		%		mg/L		NTU		mg/L								
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value		Average			
28/5/2011	10:42	Fine	Middle	2.5	26.00	26.00	26.05	7.94	7.94	7.94	32.50	32.50	32.55	83.4	82.5	81.8	5.59	5.56	5.50	13.30	12.70	13.35	17	17.00	End-tipping conveyor belt; Repeated measurement: 12.83; Outside silt screen: 8.78
	10:45		Middle	2.5	26.10	26.10		7.93	7.93		32.60	32.60		81.3	80.1		81.8	5.46		5.39	5.50		13.70		
30/5/2011	11:07	Fine	Middle	2.5	25.70	25.70	25.65	8.03	8.03	8.04	32.70	32.70	32.65	87.0	85.8	85.8	5.91	5.84	5.82	19.40	18.90	19.35	30	31.00	End-tipping conveyor belt; Repeated measurement: 20.60; Outside silt screen: 11.48
	11:10		Middle	2.5	25.60	25.60		8.04	8.04		32.60	32.60		85.2	85.0		85.8	5.78		5.75	5.82		17.60		
1/6/2011	13:20	Fine	Middle	2.5	26.70	26.70	26.65	7.99	7.99	8.00	32.60	32.60	32.55	82.5	82.2	81.9	5.48	5.44	5.42	13.60	13.80	13.38	24	22.50	End-tipping conveyor belt; Repeated measurement: 13.80; Outside silt screen: 9.87
	13:23		Middle	2.5	26.60	26.60		8.00	8.00		32.50	32.50		81.5	81.2		81.9	5.40		5.37	5.42		13.70		
3/6/2011	12:05	Fine	Middle	2.5	27.00	27.00	27.05	7.95	7.95	7.96	32.20	32.20	32.20	75.3	73.9	73.5	4.98	4.92	4.88	6.53	7.05	6.86	5	5.50	Outside silt screen: 2.58
	12:08		Middle	2.5	27.10	27.10		7.96	7.96		32.20	32.20		72.8	71.8		73.5	4.83		4.77	4.88		7.00		
7/6/2011	17:50	Fine	Middle	2.5	28.40	28.40	28.40	7.88	7.88	7.88	30.30	30.30	30.35	80.9	78.4	78.2	5.25	5.12	5.10	10.00	10.10	9.81	16	16.50	End-tipping conveyor belt; Backfilling; Outside silt screen: 2.93
	17:53		Middle	2.5	28.40	28.40		7.87	7.87		30.40	30.40		77.7	75.9		78.2	5.07		4.97	5.10		9.60		
9/6/2011	17:20	Sunny	Middle	2.5	28.30	28.30	28.35	7.91	7.91	7.92	29.80	29.80	29.85	82.8	83.4	82.9	5.41	5.45	5.42	2.92	2.65	2.63	3	3.50	End-tipping conveyor belt; Outside silt screen: 2.10
	17:23		Middle	2.5	28.40	28.40		7.92	7.92		29.90	29.90		83.0	82.4		82.9	5.42		5.38	5.42		2.62		
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-		
13/6/2011	12:00	Fine	Middle	2.5	27.80	27.80	27.85	7.84	7.84	7.85	29.80	29.80	29.85	75.2	74.5	73.5	5.00	4.93	4.87	3.16	2.96	3.01	6	6.00	Outside silt screen: 1.78
	12:03		Middle	2.5	27.90	27.90		7.85	7.85		29.90	29.90		73.2	70.9		73.5	4.86		4.69	4.87		2.98		
15/6/2011	12:10	Fine	Middle	2.5	27.90	27.90	27.90	7.92	7.92	7.93	29.10	29.10	29.10	80.0	79.1	78.4	5.29	5.26	5.20	4.59	4.53	4.51	11	10.00	Outside silt screen: 2.45
	12:13		Middle	2.5	27.90	27.90		7.93	7.93		29.10	29.10		77.6	76.9		78.4	5.13		5.10	5.20		4.55		
17/6/2011	14:45	Rainy	Middle	2.0	27.30	27.30	27.35	7.89	7.89	7.89	27.00	27.00	27.05	75.2	74.8	74.5	5.01	5.04	5.02	9.52	8.56	8.72	8	8.00	End-tipping conveyor belt; Outside silt screen: 5.32
	14:48		Middle	2.0	27.40	27.40		7.88	7.88		27.10	27.10		74.2	73.9		74.5	5.02		5.00	5.02		8.59		
21/6/2011	16:50	Fine	Middle	2.5	27.08	27.08	27.09	8.75	8.75	8.76	28.99	28.99	29.00	58.3	58.2	58.8	3.94	3.92	3.97	4.64	5.11	4.73	8	7.00	End-tipping conveyor belt; Outside silt screen: 3.95
	16:53		Middle	2.5	27.09	27.09		8.76	8.76		29.00	29.00		59.1	59.7		58.8	3.99		4.03	3.97		4.44		
23/6/2011	17:55	Cloudy	Middle	2.0	27.00	27.00	27.05	8.09	8.09	8.09	30.20	30.20	30.25	81.5	80.6	80.3	5.40	5.33	5.32	4.24	3.95	4.24	11	12.00	Outside silt screen: 3.13
	17:58		Middle	2.0	27.10	27.10		8.09	8.10		30.30	30.30		80.0	79.2		80.3	5.29		5.24	5.32		4.44		
26/6/2011	8:40	Cloudy	Middle	2.5	28.50	28.50	28.50	7.95	7.95	7.95	28.80	28.80	28.80	64.3	61.6	62.6	4.25	4.07	4.12	1.37	1.30	1.36	4	4.50	Outside silt screen: 1.41
	8:41		Middle	2.5	28.50	28.50		7.95	7.95		28.80	28.80		63.3	61.0		62.6	4.12		4.03	4.12		1.55		





**Water Monitoring Result at C4e - WCT / GEC  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	10:36	Fine	Middle	1.0	25.70	25.70	25.65	7.93	7.93	7.93	32.30	32.30	32.30	81.3	80.3	80.0	5.47	5.42	5.39	4.31	3.95	3.94	5	5.50
	10:39		Middle	1.0	25.60	25.60		7.92	7.92		32.30	32.30		79.6	78.8		5.34	5.32		3.71	3.78		6	
30/5/2011	10:48	Fine	Middle	1.0	25.70	25.70	25.75	8.02	8.02	8.03	32.60	32.60	32.55	85.8	85.4	85.4	5.82	5.80	5.80	9.43	9.74	9.42	24	22.00
	10:57		Middle	1.0	25.80	25.80		8.03	8.03		32.50	32.50		85.2	85.0		5.79	5.78		9.48	9.03		20	
1/6/2011	13:08	Fine	Middle	1.0	26.50	26.50	26.55	7.98	7.98	7.99	32.50	32.50	32.55	86.3	85.4	85.1	5.74	5.66	5.66	5.50	4.98	5.02	10	9.50
	13:11		Middle	1.0	26.60	26.60		7.99	7.99		32.60	32.60		84.8	84.0		5.64	5.58		4.83	4.76		9	
3/6/2011	11:51	Fine	Middle	1.5	27.10	27.10	27.10	7.91	7.91	7.91	32.10	32.10	32.15	81.9	80.7	80.6	5.41	5.35	5.33	3.95	4.12	3.90	4	4.00
	11:54		Middle	1.5	27.10	27.10		7.90	7.90		32.20	32.20		80.2	79.4		5.30	5.27		3.84	3.67		4	
7/6/2011	17:24	Fine	Middle	1.0	29.00	29.00	29.05	7.89	7.89	7.90	30.10	30.10	30.05	82.1	80.6	80.2	5.29	5.23	5.18	4.73	4.00	4.16	6	6.00
	17:27		Middle	1.0	29.10	29.10		7.90	7.90		30.00	30.00		79.8	78.1		5.15	5.06		3.91	4.01		6	
9/6/2011	17:10	Sunny	Middle	1.0	28.60	28.60	28.65	7.92	7.92	7.93	29.80	29.80	29.85	85.6	85.3	84.7	5.58	5.54	5.51	3.33	2.98	3.11	8	7.50
	17:13		Middle	1.0	28.70	28.70		7.93	7.93		29.90	29.90		84.4	83.6		5.49	5.44		2.83	3.31		7	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:46	Fine	Middle	1.0	28.10	28.10	28.15	7.86	7.86	7.87	29.50	29.50	29.55	82.3	81.8	81.4	5.44	5.39	5.37	3.09	2.97	2.98	6	5.00
	11:49		Middle	1.0	28.20	28.20		7.87	7.87		29.60	29.60		80.9	80.4		5.35	5.29		3.00	2.84		4	
15/6/2011	11:50	Fine	Middle	1.0	28.50	28.50	28.50	7.95	7.95	7.95	28.90	28.90	28.90	83.1	82.5	82.4	5.46	5.42	5.41	5.36	4.83	4.99	6	7.00
	11:53		Middle	1.0	28.50	28.50		7.94	7.94		28.90	28.90		82.1	81.7		5.39	5.37		4.85	4.91		8	
17/6/2011	14:36	Rainy	Middle	1.0	27.50	27.50	27.45	7.88	7.88	7.88	25.90	25.90	26.00	82.7	82.1	81.6	5.63	5.56	5.54	5.43	5.34	5.10	6	6.50
	14:39		Middle	1.0	27.40	27.40		7.87	7.87		26.10	26.10		81.0	80.6		5.52	5.46		4.97	4.65		7	
21/6/2011	16:27	Fine	Middle	1.5	27.34	27.34	27.34	8.66	8.66	8.66	27.96	27.96	27.95	72.4	69.8	70.3	4.89	4.75	4.76	3.40	3.47	3.45	13	14.50
	16:30		Middle	1.5	27.33	27.33		8.65	8.65		27.94	27.94		68.1	71.0		4.60	4.80		3.46	3.48		16	
23/6/2011	17:45	Cloudy	Middle	1.0	27.50	27.50	27.50	8.04	8.04	8.04	29.70	29.70	29.75	80.3	79.9	79.5	5.28	5.26	5.23	2.40	2.45	2.40	7	8.00
	17:48		Middle	1.0	27.50	27.50		8.04	8.04		29.80	29.80		79.1	78.7		5.21	5.18		2.36	2.38		9	
26/6/2011	7:55	Cloudy	Middle	1.5	28.60	28.60	28.55	7.75	7.75	7.75	28.60	28.60	28.60	62.8	62.8	62.1	4.15	4.15	4.11	1.12	1.15	0.98	5	4.00
	7:56		Middle	1.5	28.50	28.50		7.75	7.75		28.60	28.60		61.4	61.3		4.06	4.06		0.78	0.88		3	



**Water Monitoring Result at C4w - WCT / GEC  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	10:30	Fine	Middle	1.0	26.20	26.20	26.25	7.84	7.84	7.84	32.20	32.20	32.25	67.9	66.5	66.2	4.53	4.49	4.44	1.34	1.23	1.25	2	2.50
	10:33		Middle	1.0	26.30	26.30		7.83	7.83		32.30	32.30		66.0	64.5		4.41	4.34		1.24	1.19		3	
30/5/2011	10:42	Fine	Middle	1.5	26.10	26.10	26.15	7.90	7.90	7.91	32.50	32.50	32.45	82.2	80.4	80.2	5.52	5.42	5.40	4.04	3.84	3.79	13	12.00
	10:45		Middle	1.5	26.20	26.20		7.91	7.91		32.40	32.40		79.6	78.4		5.35	5.29		3.71	3.57		11	
1/6/2011	13:00	Fine	Middle	1.0	27.30	27.30	27.35	7.88	7.88	7.89	32.30	32.30	32.35	75.8	75.1	74.2	5.00	4.91	4.88	1.81	1.78	1.75	4	3.50
	13:03		Middle	1.0	27.40	27.40		7.89	7.89		32.40	32.40		73.4	72.5		4.84	4.77		1.66	1.75		3	
3/6/2011	11:47	Fine	Middle	1.5	27.40	27.40	27.40	7.86	7.86	7.87	31.90	31.90	31.85	74.2	72.5	72.3	4.88	4.81	4.77	7.07	6.56	7.05	2	2.00
	11:50		Middle	1.5	27.40	27.40		7.87	7.87		31.80	31.80		71.7	70.6		4.72	4.67		7.33	7.23		<2	
7/6/2011	17:33	Fine	Middle	1.0	28.60	28.60	28.65	7.86	7.86	7.87	30.20	30.20	30.15	68.7	68.0	67.9	4.46	4.44	4.42	2.24	1.84	1.92	9	8.00
	17:36		Middle	1.0	28.70	28.70		7.87	7.87		30.10	30.10		67.8	67.1		4.40	4.37		1.77	1.81		7	
9/6/2011	17:00	Sunny	Middle	1.0	28.80	28.80	28.85	7.73	7.73	7.74	29.30	29.30	29.35	67.4	65.8	65.2	4.36	4.28	4.23	1.38	1.30	1.29	3	2.50
	17:03		Middle	1.0	28.90	28.90		7.74	7.74		29.40	29.40		64.4	63.3		4.16	4.12		1.25	1.23		2	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:40	Fine	Middle	1.0	28.20	28.20	28.20	7.73	7.73	7.74	29.20	29.20	29.25	63.9	63.2	62.5	4.23	4.15	4.12	1.10	1.06	1.08	6	5.00
	11:43		Middle	1.0	28.20	28.20		7.74	7.74		29.30	29.30		62.1	60.8		4.11	4.00		1.09	1.07		4	
15/6/2011	11:40	Fine	Middle	1.0	28.40	28.40	28.40	7.86	7.86	7.86	28.80	28.80	28.80	62.2	61.9	61.7	4.09	4.06	4.05	1.62	1.66	1.53	4	4.00
	11:43		Middle	1.0	28.40	28.40		7.86	7.86		28.80	28.80		61.4	61.2		4.04	4.01		1.48	1.35		4	
17/6/2011	14:30	Rainy	Middle	1.0	27.30	27.30	27.35	7.79	7.79	7.80	27.10	27.10	27.15	71.4	70.8	70.5	4.83	4.78	4.76	2.92	2.76	2.49	2	2.00
	14:33		Middle	1.0	27.40	27.40		7.80	7.80		27.20	27.20		70.0	69.7		4.73	4.71		2.14	2.15		<2	
21/6/2011	16:20	Fine	Middle	1.5	27.07	27.07	27.08	8.39	8.39	8.40	28.39	28.39	28.40	51.1	50.2	50.0	3.47	3.41	3.39	1.71	1.70	1.69	2	2.00
	16:23		Middle	1.5	27.08	27.08		8.40	8.40		28.40	28.40		49.6	49.1		3.36	3.33		1.67	1.69		<2	
23/6/2011	17:30	Cloudy	Middle	1.0	27.20	27.20	27.15	7.95	7.95	7.95	29.20	29.20	29.25	64.0	67.2	65.8	4.25	4.42	4.35	1.15	1.18	1.13	10	9.50
	17:35		Middle	1.0	27.10	27.10		7.95	7.96		29.30	29.30		69.6	62.4		4.61	4.13		1.09	1.09		9	
26/6/2011	8:14	Cloudy	Middle	1.5	28.50	28.50	28.50	7.72	7.72	7.72	28.60	28.60	28.55	61.4	61.6	62.6	4.06	4.07	4.12	1.49	1.66	1.64	5	4.50
	8:15		Middle	1.5	28.50	28.50		7.72	7.72		28.50	28.50		63.2	64.1		4.11	4.24		1.80	1.61		4	



**Water Monitoring Result at C5e - Sun Hung Kai Centre  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	10:17	Fine	Middle	1.0	27.60	27.60	27.55	7.93	7.93	7.94	27.00	27.00	26.95	80.1	78.3	77.8	5.31	5.25	5.19	4.60	4.69	4.65	6	5.00
	10:20		Middle	1.0	27.50	27.50		7.94	7.94		26.90	26.90		77.1	75.5		5.13	5.06		4.61	4.68		4	
30/5/2011	10:27	Fine	Middle	1.0	26.30	26.30	26.35	7.98	7.98	7.98	29.70	29.70	29.75	78.1	77.6	77.6	5.34	5.31	5.31	2.78	2.63	2.65	8	7.00
	10:30		Middle	1.0	26.40	26.40		7.97	7.97		29.80	29.80		77.5	77.3		5.30	5.29		2.52	2.65		6	
1/6/2011	14:07	Fine	Middle	1.0	26.80	26.80	26.85	7.86	7.86	7.87	30.50	30.50	30.45	59.7	59.0	59.4	4.28	4.14	4.23	5.65	4.84	4.87	16	14.50
	14:10		Middle	1.0	26.90	26.90		7.87	7.87		30.40	30.40		59.6	59.3		4.26	4.22		4.25	4.74		13	
3/6/2011	11:33	Fine	Middle	1.0	28.20	28.20	28.25	7.84	7.84	7.86	31.60	31.60	31.65	76.6	75.3	75.0	4.99	4.89	4.88	4.40	4.57	4.57	3	3.50
	11:36		Middle	1.0	28.30	28.30		7.87	7.87		31.70	31.70		74.1	73.9		4.85	4.80		4.58	4.72		4	
7/6/2011	16:58	Fine	Middle	1.0	28.80	28.80	28.85	7.89	7.89	7.89	28.90	28.90	28.95	73.6	73.1	73.0	4.79	4.77	4.76	1.84	1.74	1.75	5	4.50
	17:01		Middle	1.0	28.90	28.90		7.88	7.88		29.00	29.00		72.8	72.4		4.74	4.72		1.74	1.68		4	
9/6/2011	16:46	Sunny	Middle	1.5	29.50	29.50	29.35	7.90	7.90	7.90	30.72	30.72	30.70	70.5	70.8	70.8	4.52	4.53	4.53	2.24	1.78	1.98	3	3.00
	16:49		Middle	1.5	29.20	29.20		7.89	7.89		30.68	30.68		70.2	71.8		4.49	4.59		2.02	1.89		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:06	Fine	Middle	1.0	28.80	28.80	28.75	7.86	7.86	7.87	28.40	28.40	28.40	76.2	74.5	74.0	5.02	4.87	4.85	1.52	1.70	1.60	4	4.50
	11:09		Middle	1.0	28.70	28.70		7.87	7.87		28.40	28.40		73.0	72.1		4.80	4.71		1.52	1.66		5	
15/6/2011	11:10	Fine	Middle	1.0	28.80	28.80	28.80	7.90	7.90	7.91	28.00	28.00	27.95	81.9	80.9	80.1	5.37	5.31	5.25	2.28	2.31	2.24	6	6.00
	11:13		Middle	1.0	28.80	28.80		7.91	7.91		27.90	27.90		79.3	78.3		5.19	5.12		2.30	2.07		6	
17/6/2011	14:15	Rainy	Middle	1.0	27.50	27.50	27.55	7.86	7.86	7.87	25.40	25.40	25.35	64.8	64.4	64.4	4.40	4.38	4.37	4.40	4.08	4.13	3	3.00
	14:18		Middle	1.0	27.60	27.60		7.87	7.87		25.30	25.30		64.2	64.0		4.36	4.35		3.99	4.03		3	
21/6/2011	16:00	Fine	Middle	1.0	27.34	27.34	27.33	8.81	8.81	8.82	27.72	27.72	27.74	71.9	71.6	71.6	4.88	4.86	4.86	2.80	2.65	2.75	5	5.50
	16:03		Middle	1.0	27.32	27.32		8.82	8.82		27.75	27.75		71.5	71.4		4.85	4.83		2.79	2.77		6	
23/6/2011	17:05	Cloudy	Middle	1.0	27.40	27.40	27.35	8.09	8.09	8.10	29.50	29.50	29.55	81.5	81.3	81.1	5.40	5.37	5.36	3.20	2.94	2.93	6	7.00
	17:08		Middle	1.0	27.30	27.30		8.10	8.10		29.60	29.60		80.8	80.7		5.35	5.33		2.93	2.65		8	
26/6/2011	7:10	Cloudy	Middle	1.5	28.70	28.70	28.70	7.80	7.80	7.80	28.60	28.60	28.60	75.4	73.6	74.1	4.97	4.83	4.88	1.64	1.79	1.84	3	3.50
	7:11		Middle	1.5	28.70	28.70		7.80	7.80		28.60	28.60		74.2	73.0		4.89	4.81		1.90	2.02		4	



**Water Monitoring Result at C5w - Sun Hung Kai Centre  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	10:10	Fine	Middle	1.0	26.70	26.70	26.65	7.87	7.87	7.88	29.90	29.90	29.85	74.8	74.1	74.1	5.03	4.98	4.97	3.40	3.61	3.54	3	3.50
	10:13		Middle	1.0	26.60	26.60		7.88	7.88		29.80	29.80		73.8	73.5		4.94	4.93		3.54	3.62		4	
30/5/2011	10:33	Fine	Middle	1.0	26.70	26.70	26.75	7.97	7.97	7.98	30.10	30.10	30.15	84.5	82.6	82.2	5.74	5.64	5.60	2.47	2.52	2.57	4	4.50
	10:36		Middle	1.0	26.80	26.80		7.98	7.98		30.20	30.20		81.3	80.2		5.52	5.48		2.63	2.66		5	
1/6/2011	14:00	Fine	Middle	1.0	28.10	28.10	28.15	7.93	7.93	7.94	30.90	30.90	30.95	60.2	60.9	61.5	3.96	3.98	4.05	3.70	3.53	3.52	6	6.00
	14:03		Middle	1.0	28.20	28.20		7.94	7.94		31.00	31.00		63.1	61.8		4.23	4.02		3.42	3.44		6	
3/6/2011	11:39	Fine	Middle	1.0	27.80	27.80	27.85	7.90	7.90	7.90	31.80	31.80	31.85	83.3	82.2	81.5	5.47	5.42	5.36	4.50	4.56	4.59	4	3.50
	11:42		Middle	1.0	27.90	27.90		7.89	7.89		31.90	31.90		80.9	79.6		5.29	5.25		4.68	4.61		3	
7/6/2011	17:05	Fine	Middle	1.0	28.50	28.50	28.55	7.90	7.90	7.91	28.50	28.50	28.55	75.7	75.2	74.8	4.95	4.93	4.90	1.47	1.50	1.48	4	3.50
	17:08		Middle	1.0	28.60	28.60		7.91	7.91		28.60	28.60		74.5	73.8		4.88	4.85		1.44	1.51		3	
9/6/2011	16:37	Sunny	Middle	1.5	29.70	29.70	29.70	7.92	7.92	7.95	29.90	29.90	29.94	69.3	69.7	69.8	4.45	4.47	4.47	2.22	2.14	2.12	5	4.00
	16:40		Middle	1.5	29.70	29.70		7.98	7.98		29.98	29.98		70.1	69.9		4.49	4.47		2.05	2.07		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:00	Fine	Middle	1.0	28.50	28.50	28.55	7.80	7.80	7.80	28.40	28.40	28.35	73.8	70.2	70.1	4.82	4.65	4.61	1.88	1.53	1.71	4	3.50
	11:03		Middle	1.0	28.60	28.60		7.79	7.79		28.30	28.30		68.8	67.5		4.52	4.45		1.81	1.61		3	
15/6/2011	11:18	Fine	Middle	1.0	29.20	29.10	29.08	7.93	7.93	7.93	28.30	28.30	28.35	79.0	78.2	77.8	5.16	5.10	5.08	2.06	2.15	2.17	7	6.50
	11:21		Middle	1.0	29.00	29.00		7.93	7.93		28.40	28.40		77.3	76.6		5.04	5.01		2.35	2.11		6	
17/6/2011	14:05	Rainy	Middle	1.0	27.70	27.70	27.65	7.84	7.84	7.85	26.10	26.10	26.15	76.0	75.4	75.0	5.11	5.09	5.06	3.63	3.80	3.63	3	3.00
	14:08		Middle	1.0	27.60	27.60		7.85	7.85		26.20	26.20		74.6	74.0		5.03	5.01		3.59	3.49		3	
21/6/2011	16:05	Fine	Middle	1.0	27.31	27.31	27.31	8.73	8.73	8.73	27.70	27.70	27.69	73.9	73.7	73.7	5.01	5.00	4.99	2.77	3.10	3.28	5	5.50
	16:08		Middle	1.0	27.31	27.31		8.72	8.72		27.68	27.68		73.6	73.4		4.99	4.97		3.69	3.57		6	
23/6/2011	17:11	Cloudy	Middle	1.0	27.40	27.40	27.45	8.11	8.12	8.12	29.60	29.60	29.65	86.4	85.8	85.1	5.72	5.66	5.63	5.09	5.54	5.00	12	13.50
	17:14		Middle	1.0	27.50	27.50		8.12	8.12		29.70	29.70		84.2	84.0		5.57	5.55		4.70	4.65		15	
26/6/2011	7:26	Cloudy	Middle	1.5	28.60	28.60	28.60	7.86	7.86	7.86	28.60	28.60	28.60	74.8	73.2	73.8	4.94	4.82	4.87	1.37	1.65	1.39	4	4.00
	7:27		Middle	1.5	28.60	28.60		7.86	7.86		28.60	28.60		73.2	74.1		4.82	4.89		1.32	1.23		4	



**Water Monitoring Result at WSD 21 - Wan Chai  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
			m		°C		-		ppt		%		mg/L		NTU		mg/L							
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average						
28/5/2011	10:00	Fine	Middle	1.5	26.00	26.00	26.05	7.91	7.91	7.92	32.20	32.20	32.15	75.6	74.4	74.1	5.09	5.02	4.99	2.78	2.90	2.80	4	3.50
	10:03		Middle	1.5	26.10	26.10		7.92	7.92		32.10	32.10		73.5	72.8		4.94	4.91		2.83	2.68		3	
30/5/2011	10:20	Fine	Middle	1.5	25.80	25.80	25.75	7.98	7.98	7.99	32.50	32.50	32.50	84.0	83.3	82.6	5.72	5.64	5.61	3.12	2.71	2.82	5	4.50
	10:23		Middle	1.5	25.70	25.70		7.99	7.99		32.50	32.50		81.6	81.3		5.56	5.52		2.71	2.74		4	
1/6/2011	12:30	Fine	Middle	1.5	27.80	27.80	27.80	7.94	7.94	7.95	32.30	32.30	32.35	82.3	81.6	80.9	5.36	5.29	5.26	3.16	3.23	3.23	7	8.00
	12:33		Middle	1.5	27.80	27.80		7.95	7.95		32.40	32.40		80.3	79.4		5.24	5.16		3.32	3.20		9	
3/6/2011	11:28	Fine	Middle	1.5	27.80	27.80	27.85	7.89	7.89	7.90	31.90	31.90	31.95	76.2	74.5	74.3	5.01	4.88	4.88	4.38	4.85	4.72	4	4.00
	11:31		Middle	1.5	27.90	27.90		7.90	7.90		32.00	32.00		73.5	72.8		4.85	4.77		4.72	4.93		4	
7/6/2011	16:45	Fine	Middle	2.0	28.90	28.90	28.95	7.95	7.95	7.95	30.00	30.00	30.05	84.2	83.5	83.2	5.45	5.42	5.40	2.14	2.13	2.15	5	5.50
	16:48		Middle	2.0	29.00	29.00		7.94	7.94		30.10	30.10		82.9	82.2		5.37	5.34		2.22	2.12		6	
9/6/2011	16:25	Sunny	Middle	2.0	29.00	29.00	29.00	7.94	7.94	7.91	30.13	30.13	30.09	71.1	71.8	71.2	4.62	4.65	4.61	1.60	1.46	1.55	3	3.00
	16:28		Middle	2.0	29.00	29.00		7.88	7.88		30.05	30.05		71.2	70.7		4.60	4.57		1.53	1.61		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	11:25	Fine	Middle	1.5	28.50	28.50	28.45	7.85	7.85	7.86	29.40	29.40	29.35	74.5	73.8	73.3	4.89	4.81	4.79	3.01	2.37	2.50	9	9.50
	11:28		Middle	1.5	28.40	28.40		7.86	7.86		29.30	29.30		72.7	72.1		4.77	4.70		2.50	2.13		10	
15/6/2011	10:50	Fine	Middle	2.0	28.20	28.20	28.15	7.96	7.96	7.96	29.00	29.00	29.00	73.4	73.2	73.1	4.85	4.84	4.83	3.30	3.04	3.08	7	8.00
	10:53		Middle	2.0	28.10	28.10		7.96	7.96		29.00	29.00		73.0	72.9		4.82	4.82		2.95	3.01		9	
17/6/2011	14:20	Rainy	Middle	1.5	27.40	27.40	27.35	7.89	7.89	7.89	26.30	26.30	26.35	79.5	78.8	78.7	5.38	5.33	5.33	4.57	4.62	4.55	5	4.50
	14:23		Middle	1.5	27.30	27.30		7.88	7.88		26.40	26.40		78.3	78.0		5.31	5.30		4.30	4.71		4	
21/6/2011	15:46	Fine	Middle	1.5	27.43	27.43	27.45	8.75	8.75	8.76	28.94	28.94	28.94	67.7	67.6	67.6	4.55	4.54	4.54	4.20	4.50	4.27	6	6.00
	15:49		Middle	1.5	27.46	27.46		8.76	8.76		28.93	28.93		67.5	67.4		4.53	4.52		4.14	4.25		6	
23/6/2011	16:55	Cloudy	Middle	1.5	27.40	27.40	27.40	8.09	8.09	8.10	30.10	30.10	30.05	86.9	86.6	86.3	5.74	5.70	5.69	3.42	3.10	3.31	5	5.50
	16:58		Middle	1.5	27.40	27.40		8.10	8.10		30.00	30.00		85.8	85.7		5.66	5.65		3.40	3.32		6	
26/6/2011	6:51	Cloudy	Middle	2.0	28.70	28.70	28.70	7.78	7.78	7.78	28.30	28.30	28.35	73.1	72.2	72.2	4.82	4.78	4.76	2.15	2.19	2.17	2	2.00
	6:52		Middle	2.0	28.70	28.70		7.77	7.77		28.40	28.40		71.8	71.6		4.73	4.72		2.16	2.16		<2	



**Water Monitoring Result at WSD19 - Sheung Wan  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	10:18	Fine	Middle	1.5	26.40	26.40	26.50	7.87	7.87	7.87	32.63	32.63	32.61	71.5	70.6	70.9	4.77	4.71	4.73	5.34	4.57	4.71	6	7.00
	10:23		Middle	1.5	26.60	26.60		7.87	7.87		32.58	32.58		71.1	70.4		4.74	4.69		4.56	4.38		8	
30/5/2011	11:54	Fine	Middle	1.5	26.00	26.00	26.05	7.95	7.95	7.95	32.68	32.68	32.72	83.2	82.0	83.0	5.61	5.52	5.59	4.75	4.24	4.36	7	7.00
	11:59		Middle	1.5	26.10	26.10		7.95	7.95		32.75	32.75		83.7	83.0		5.65	5.59		4.15	4.31		7	
1/6/2011	9:08	Fine	Middle	1.5	26.60	26.60	26.80	7.76	7.76	7.78	32.60	32.60	32.62	67.2	65.1	65.7	4.47	4.33	4.37	6.71	6.10	6.43	13	13.00
	9:12		Middle	1.5	27.00	27.00		7.79	7.79		32.63	32.63		66.7	63.7		4.43	4.23		6.68	6.23		13	
3/6/2011	13:20	Fine	Middle	1.5	27.60	27.60	27.70	7.87	7.87	7.87	32.31	32.31	32.33	72.3	71.3	71.6	4.83	4.75	4.78	4.15	4.06	4.15	7	8.00
	13:25		Middle	1.5	27.80	27.80		7.86	7.86		32.34	32.34		72.5	70.2		4.84	4.69		4.50	3.88		9	
7/6/2011	13:05	Fine	Middle	1.5	29.00	29.00	29.10	7.87	7.87	7.88	29.79	29.79	29.78	83.5	82.4	83.2	5.41	5.33	5.38	2.36	1.89	2.04	3	3.50
	13:09		Middle	1.5	29.20	29.20		7.88	7.88		29.77	29.77		84.4	82.4		5.46	5.33		2.01	1.89		4	
9/6/2011	20:25	Sunny	Middle	1.5	28.26	28.26	28.27	7.01	7.01	7.01	28.85	28.85	28.85	74.9	72.1	73.4	4.97	4.74	4.86	2.96	2.86	2.81	4	5.00
	20:26		Middle	1.5	28.27	28.27		7.00	7.00		28.84	28.84		73.5	73.0		4.88	4.86		2.75	2.68		6	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	8:38	Fine	Middle	1.5	27.00	27.00	27.00	7.84	7.84	7.84	29.15	29.15	29.18	73.7	72.6	73.8	4.99	4.91	4.99	1.37	1.32	1.38	5	4.50
	8:43		Middle	1.5	27.00	27.00		7.84	7.84		29.21	29.21		74.9	73.8		5.07	4.99		1.35	1.48		4	
15/6/2011	13:13	Fine	Middle	1.5	28.20	28.20	28.20	7.97	7.97	7.97	27.48	27.48	27.50	83.6	82.0	83.0	5.59	5.49	5.55	5.41	5.29	5.33	11	10.50
	13:17		Middle	1.5	28.20	28.20		7.97	7.97		27.51	27.51		84.9	81.5		5.68	5.45		5.51	5.09		10	
17/6/2011	13:15	Rainy	Middle	1.5	25.80	25.80	25.80	7.88	7.88	7.88	27.06	27.06	27.05	76.0	74.3	75.5	5.34	5.22	5.30	4.45	4.37	4.42	4	3.50
	13:20		Middle	1.5	25.80	25.80		7.88	7.88		27.03	27.03		76.7	74.8		5.39	5.25		4.53	4.31		3	
21/6/2011	15:15	Fine	Middle	2.0	27.70	27.70	27.70	8.00	8.00	8.00	28.60	28.60	28.61	94.3	94.8	94.5	6.28	6.32	6.29	3.93	3.75	3.77	8	9.00
	15:18		Middle	2.0	27.70	27.70		8.00	8.00		28.62	28.62		94.3	94.5		6.27	6.29		3.81	3.59		10	
23/6/2011	18:00	Cloudy	Middle	1.5	26.30	26.30	26.30	7.95	7.95	7.95	29.78	29.78	29.78	73.2	73.3	73.4	4.98	4.99	4.99	5.49	5.51	5.58	9	10.00
	18:03		Middle	1.5	26.30	26.30		7.94	7.94		29.78	29.78		73.4	73.5		4.99	5.00		5.70	5.62		11	
26/6/2011	7:53	Cloudy	Middle	2.0	28.04	28.04	28.04	8.04	8.04	8.04	27.62	27.62	27.62	81.1	81.1	80.9	5.44	5.44	5.43	3.34	3.25	3.26	4	4.00
	7:54		Middle	2.0	28.04	28.04		8.03	8.03		27.61	27.61		80.6	80.9		5.41	5.42		3.18	3.26		4	



**Water Monitoring Result at WSD20 - Kennedy Town  
Mid-Ebb Tide**

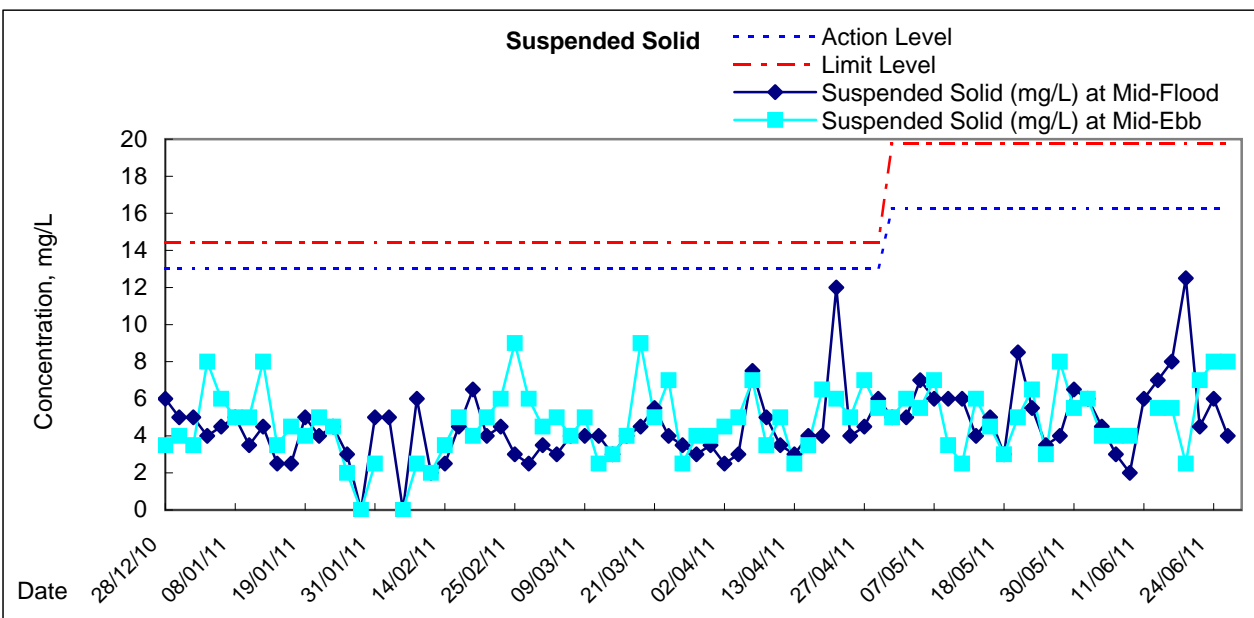
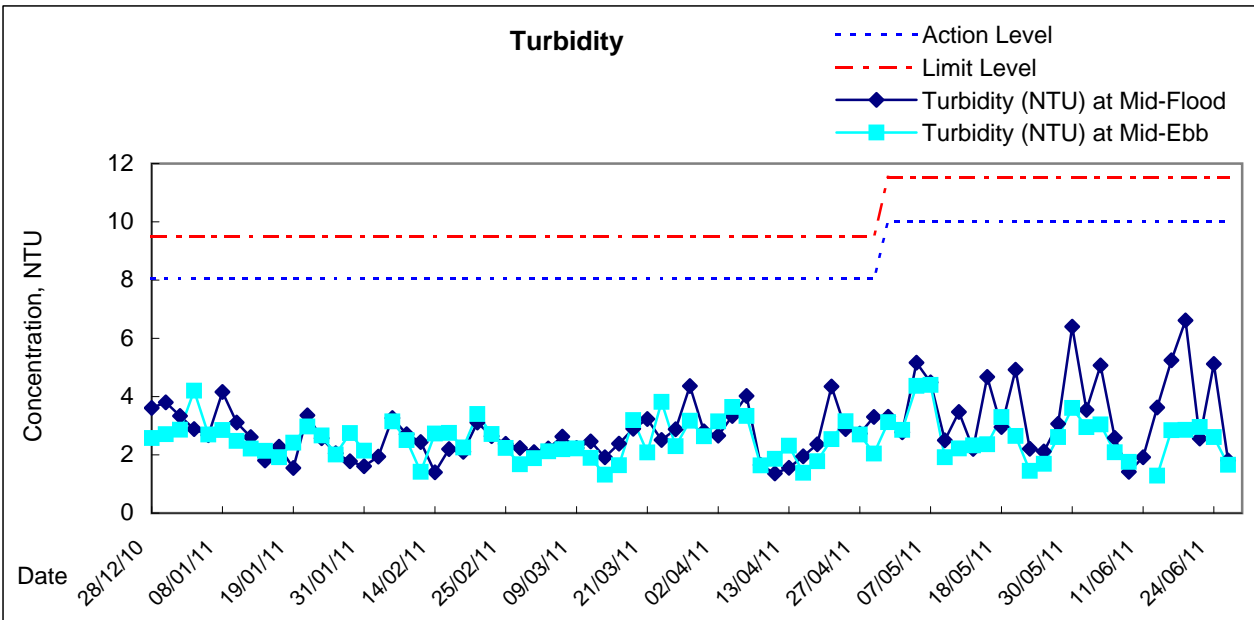
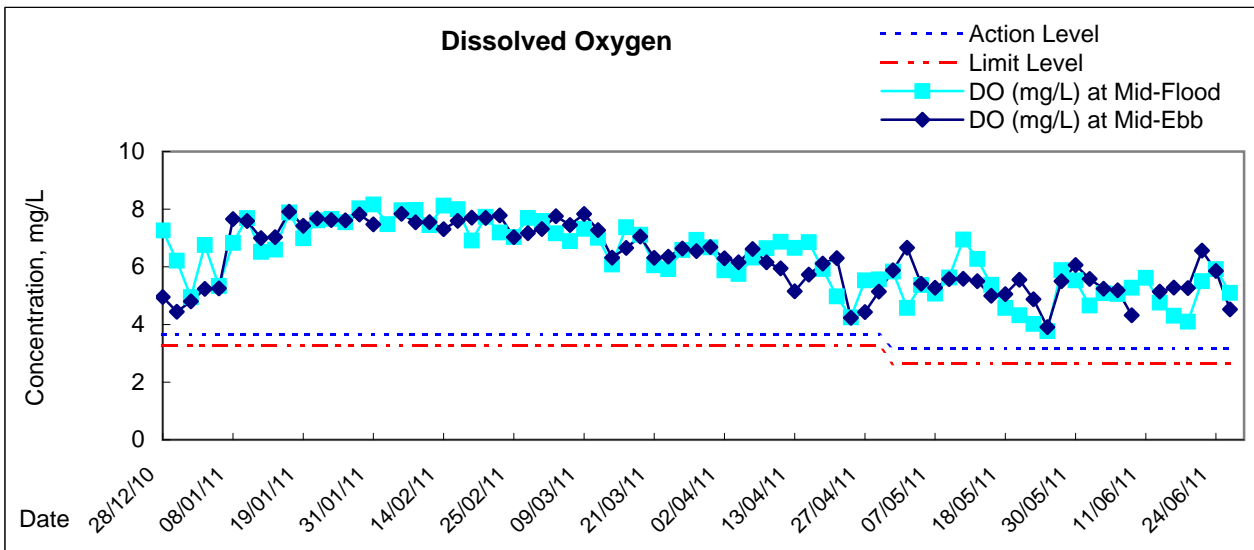
Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH			Salinity		DO Saturation		DO		Turbidity		Suspended Solids						
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
28/5/2011	9:50	Fine	Middle	1.5	26.30	26.30	26.30	7.98	7.98	7.98	32.62	32.62	32.62	82.8	81.6	82.5	5.56	5.48	5.54	3.16	2.76	2.81	6	7.00
	9:53		Middle	1.5	26.30	26.30		7.98	7.98		32.62	32.62		83.7	82.0		5.62	5.51		2.64	2.66		8	
30/5/2011	11:33	Fine	Middle	1.5	26.10	26.10	26.15	8.00	8.00	8.00	32.89	32.89	32.90	85.9	84.9	85.7	5.77	5.70	5.75	5.21	5.04	5.00	10	10.00
	11:36		Middle	1.5	26.20	26.20		8.00	8.00		32.90	32.90		86.9	85.2		5.83	5.71		4.87	4.86		10	
1/6/2011	9:40	Fine	Middle	1.5	26.50	26.50	26.55	7.92	7.92	7.92	32.60	32.60	32.60	72.9	71.7	73.7	4.87	4.79	5.07	4.21	4.02	3.90	6	6.00
	9:43		Middle	1.5	26.60	26.60		7.91	7.91		32.60	32.60		74.3	75.7		4.96	5.65		3.67	3.71		6	
3/6/2011	12:47	Fine	Middle	1.5	27.70	27.70	27.75	7.91	7.91	7.93	32.13	32.13	32.16	91.9	89.2	90.9	6.32	6.12	6.25	3.32	3.19	3.29	4	3.50
	12:50		Middle	1.5	27.80	27.80		7.94	7.94		32.18	32.18		92.1	90.4		6.33	6.24		3.27	3.38		3	
7/6/2011	12:42	Fine	Middle	1.5	28.60	28.60	28.70	7.89	7.89	7.90	28.94	28.94	28.94	88.6	87.4	88.1	5.83	5.75	5.79	1.69	1.32	1.41	5	5.00
	12:45		Middle	1.5	28.80	28.80		7.91	7.91		28.94	28.94		88.5	87.8		5.81	5.78		1.25	1.38		5	
9/6/2011	20:07	Sunny	Middle	1.5	28.33	28.33	28.33	7.00	7.00	7.00	28.69	28.69	28.69	71.5	68.8	70.1	4.75	4.57	4.68	3.88	3.59	3.48	8	9.00
	20:08		Middle	1.5	28.33	28.33		7.00	7.00		28.69	28.68		70.5	69.5		4.71	4.70		3.16	3.27		10	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	8:11	Fine	Middle	1.5	26.90	26.90	26.90	7.94	7.94	7.95	28.94	28.94	28.93	78.8	76.8	77.8	5.35	5.21	5.28	1.86	1.74	1.80	4	4.00
	8:14		Middle	1.5	26.90	26.90		7.95	7.95		28.91	28.91		78.1	77.3		5.30	5.25		1.81	1.77		4	
15/6/2011	12:58	Fine	Middle	1.5	28.10	28.10	28.10	8.06	8.06	8.07	27.47	27.47	27.48	92.0	88.2	90.4	6.16	5.90	6.05	4.35	4.61	4.63	6	7.00
	13:00		Middle	1.5	28.10	28.10		8.08	8.08		27.49	27.49		93.1	88.3		6.22	5.91		4.55	4.99		8	
17/6/2011	13:45	Rainy	Middle	1.5	27.00	27.00	27.00	7.99	7.99	8.00	26.10	26.10	26.10	80.6	78.3	78.8	5.56	5.40	5.44	2.71	2.98	2.98	4	3.50
	13:48		Middle	1.5	27.00	27.00		8.00	8.00		26.09	26.09		78.7	77.7		5.44	5.37		3.01	3.22		3	
21/6/2011	14:54	Fine	Middle	1.5	26.70	26.70	26.70	8.01	8.01	8.02	28.16	28.16	28.18	92.4	91.6	92.3	6.32	6.26	6.31	4.14	3.87	3.73	7	6.50
	14:56		Middle	1.5	26.70	26.70		8.03	8.03		28.20	28.20		93.1	91.9		6.36	6.28		3.56	3.34		6	
23/6/2011	17:32	Cloudy	Middle	1.5	26.00	26.00	26.05	7.95	7.95	7.95	29.16	29.16	29.16	83.6	81.4	82.8	5.75	5.59	5.69	2.57	2.91	2.81	5	5.50
	17:34		Middle	1.5	26.10	26.10		7.95	7.95		29.15	29.15		83.3	82.9		5.72	5.70		2.93	2.81		6	
26/6/2011	6:55	Cloudy	Middle	2.0	27.82	27.85	27.87	8.03	8.03	8.03	27.58	27.58	27.55	70.5	70.2	70.3	5.09	4.71	4.81	2.67	2.67	2.67	3	4.00
	6:56		Middle	2.0	27.90	27.90		8.02	8.02		27.52	27.52		70.3	70.2		4.72	4.71		2.68	2.65		5	

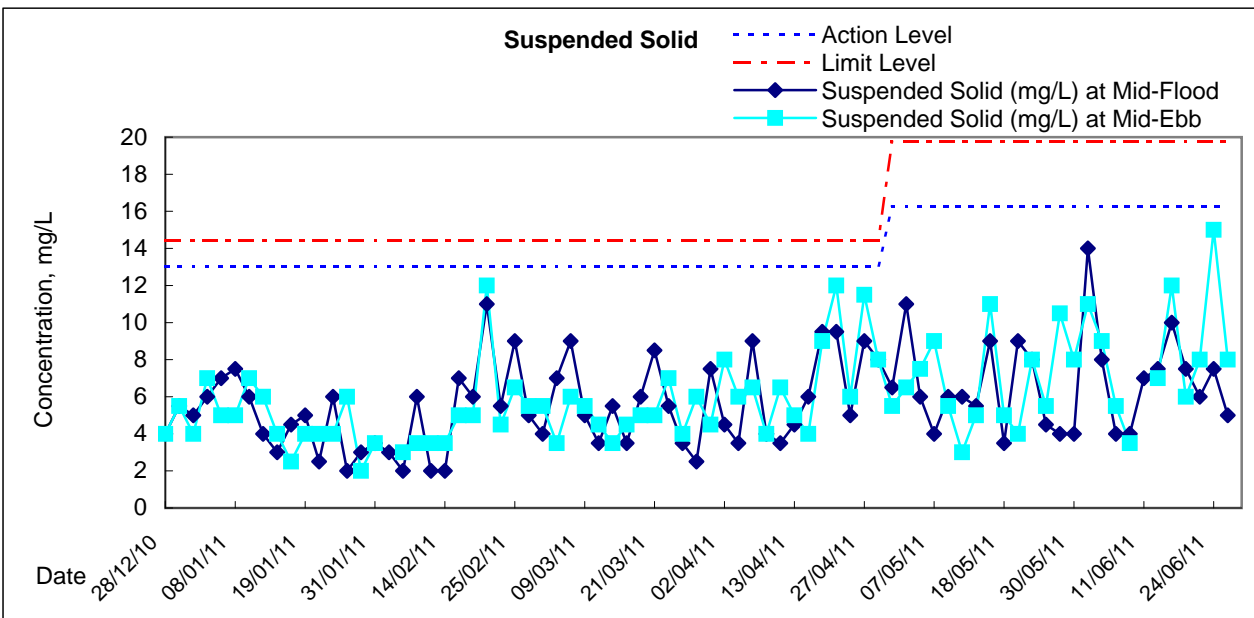
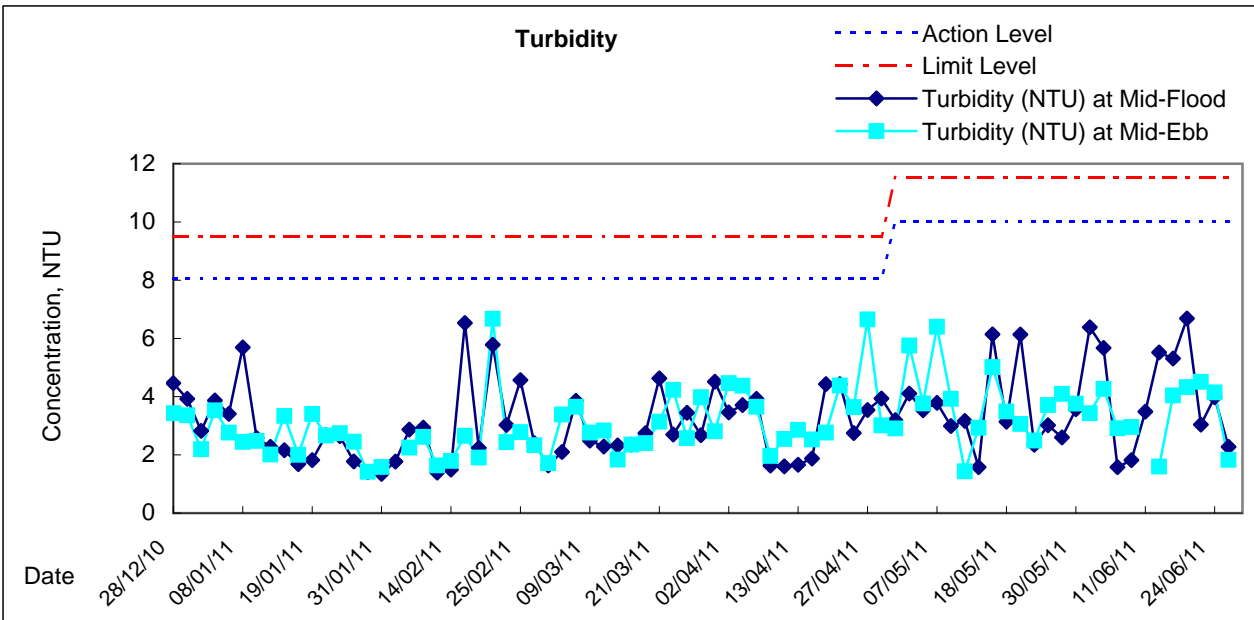
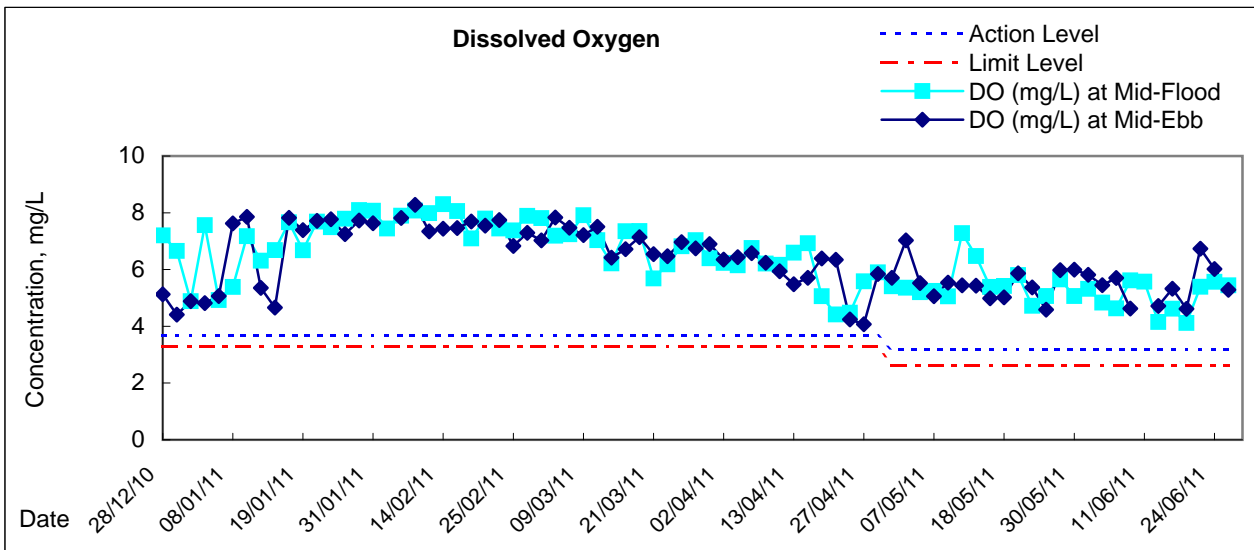


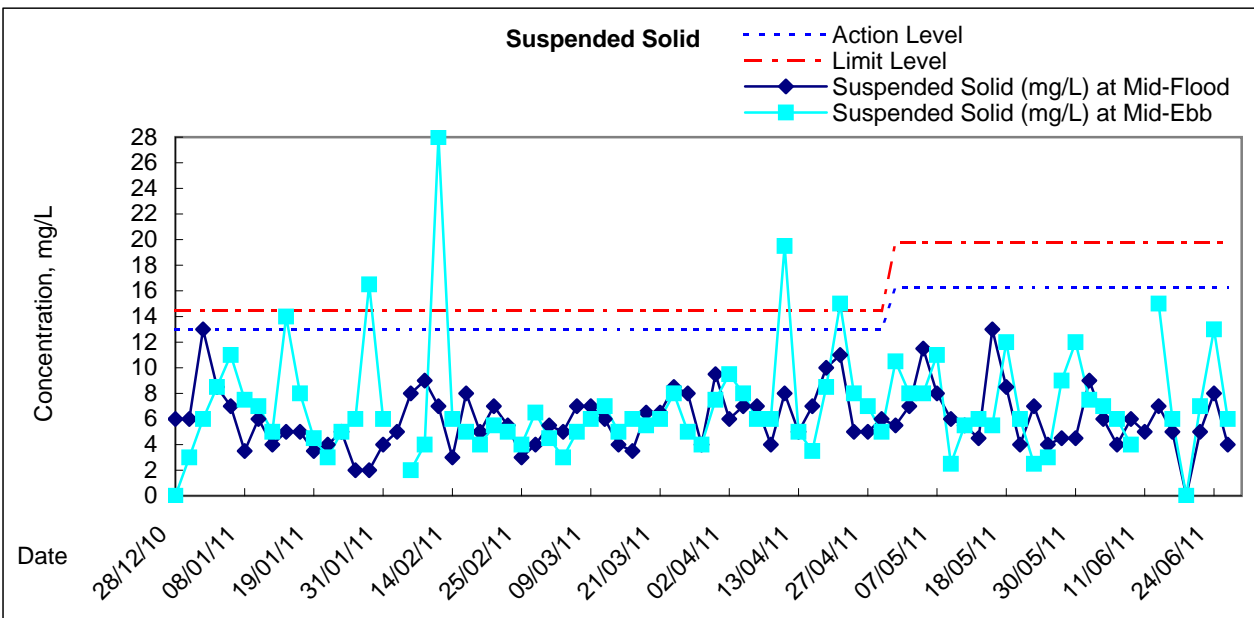
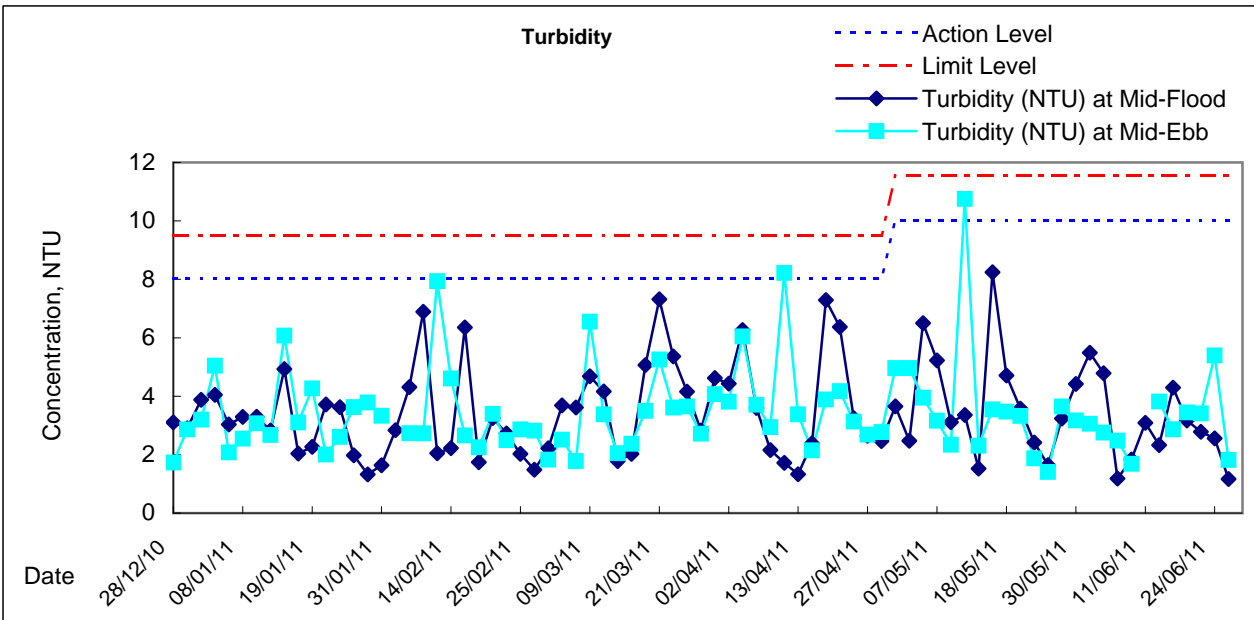
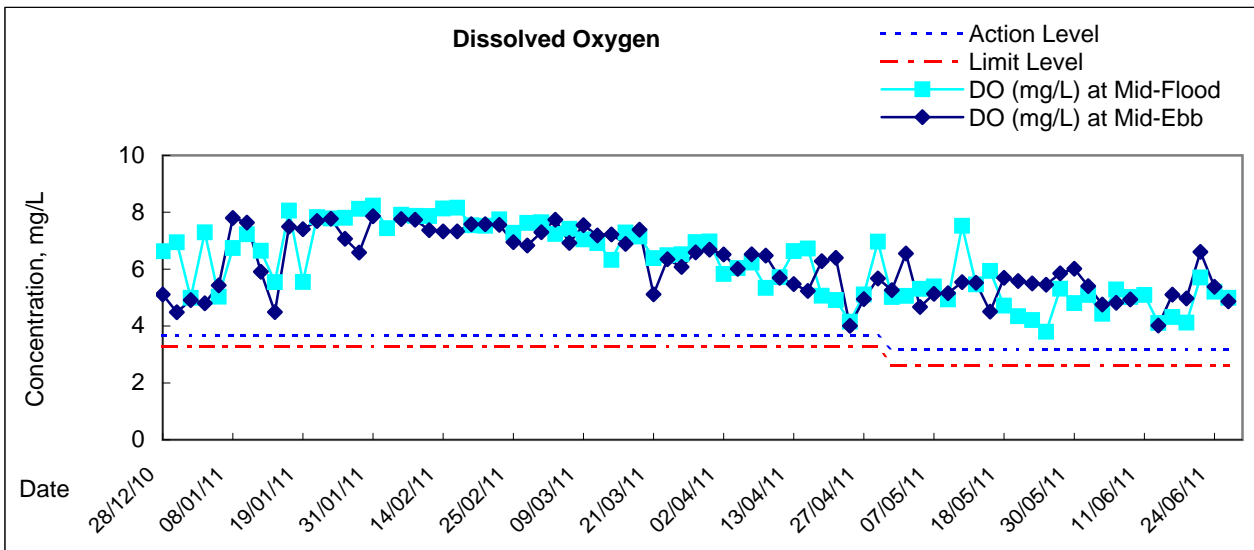
**Water Monitoring Result at WSD7 - Kowloon South  
Mid-Ebb Tide**

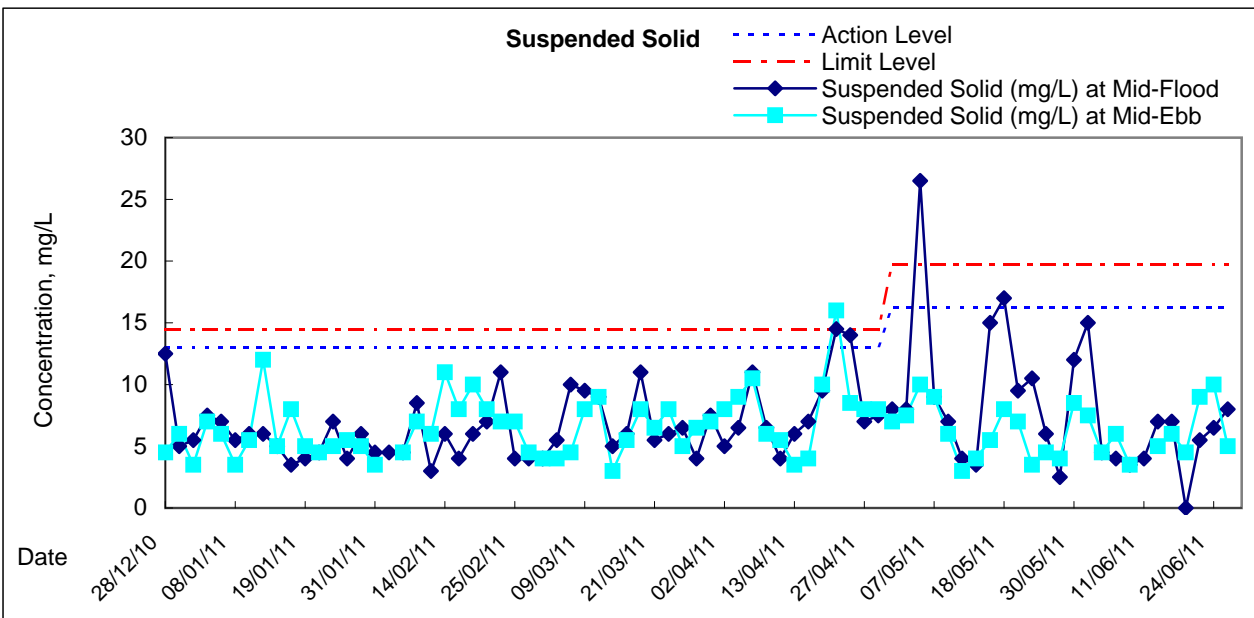
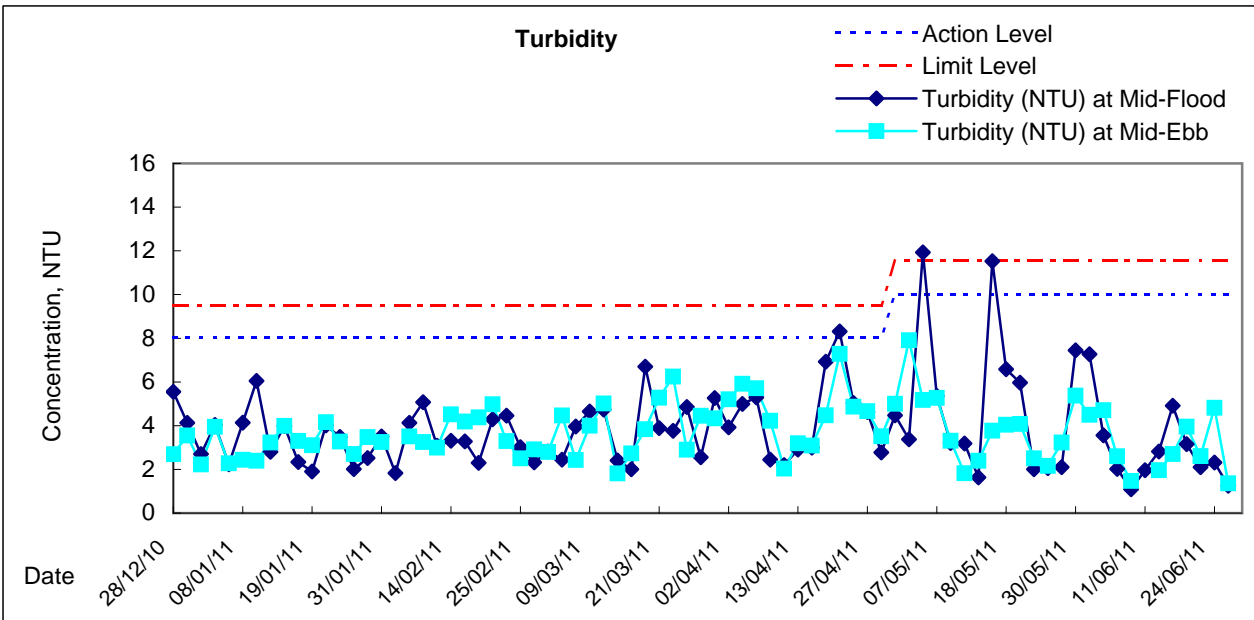
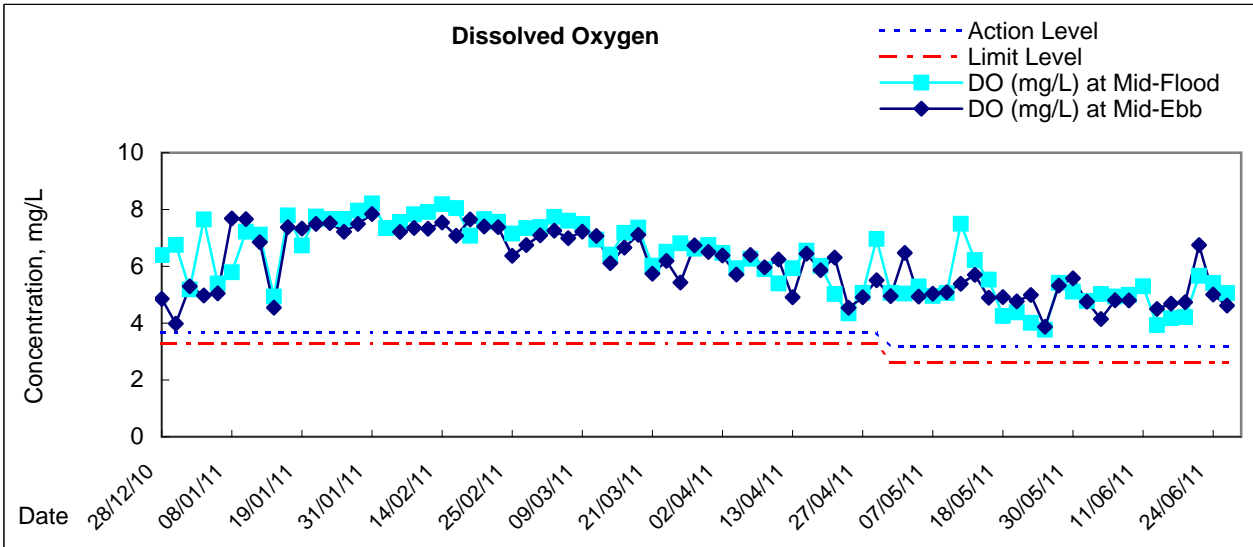
Date	Time	Weather Condition	Sampling Depth		Water Temperature		pH		Salinity		DO Saturation		DO		Turbidity		Suspended Solids							
					°C		-		ppt		%		mg/L		NTU		mg/L							
			m	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	7:05	Fine	Middle	1.5	25.90	25.90	26.00	7.70	7.70	7.72	32.50	32.50	32.46	68.7	67.4	67.7	4.64	4.55	4.57	3.16	2.86	3.02	8	7.00
	7:08		Middle	1.5	26.10	26.10		7.74	7.74		32.42	32.42		67.7	66.9		4.57	4.51		3.10	2.97		6	
30/5/2011	8:35	Fine	Middle	1.5	25.70	25.70	25.75	7.89	7.89	7.89	32.75	32.75	32.76	81.5	80.8	81.5	5.52	5.47	5.52	3.99	3.75	3.81	5	5.50
	8:38		Middle	1.5	25.80	25.80		7.88	7.88		32.77	32.77		82.4	81.3		5.58	5.50		3.74	3.75		6	
1/6/2011	10:04	Fine	Middle	1.5	26.60	26.60	26.70	7.85	7.85	7.85	32.53	32.53	32.62	70.6	69.8	70.3	4.69	4.63	4.66	3.75	4.27	3.85	9	8.00
	10:07		Middle	1.5	26.80	26.80		7.85	7.85		32.70	32.70		71.1	69.7		4.70	4.61		3.76	3.62		7	
3/6/2011	10:22	Fine	Middle	1.5	27.90	27.90	28.00	7.87	7.87	7.86	32.00	32.00	32.01	66.3	65.3	66.4	4.32	4.25	4.31	4.73	4.82	4.57	11	10.00
	10:26		Middle	1.5	28.10	28.10		7.85	7.85		32.02	32.02		67.4	66.5		4.37	4.31		4.25	4.48		9	
7/6/2011	13:53	Fine	Middle	2.0	28.30	28.30	28.45	7.89	7.89	7.88	29.52	29.52	29.50	75.8	72.3	75.0	4.96	4.73	4.89	2.34	2.38	2.34	4	4.50
	13:57		Middle	2.0	28.60	28.60		7.87	7.87		29.48	29.48		77.3	74.4		5.03	4.84		2.37	2.25		5	
9/6/2011	16:30	Sunny	Middle	1.5	29.08	29.08	29.08	6.65	6.65	6.65	28.48	28.48	28.49	69.8	62.6	64.1	4.58	4.10	4.20	2.16	2.04	2.05	5	4.00
	16:31		Middle	1.5	29.08	29.08		6.64	6.64		28.49	28.49		64.3	59.5		4.22	3.90		1.98	2.02		3	
11/6/2011	-	0:00	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/6/2011	9:02	Fine	Middle	1.5	27.60	27.60	27.70	7.89	7.89	7.89	29.82	29.82	29.84	60.4	59.4	60.4	4.02	3.95	4.02	2.36	2.39	2.37	7	8.00
	9:06		Middle	1.5	27.80	27.80		7.88	7.88		29.85	29.85		61.6	60.1		4.10	4.00		2.40	2.32		9	
15/6/2011	12:33	Fine	Middle	1.5	27.60	27.60	27.70	7.96	7.96	7.97	27.75	27.75	27.79	84.7	83.4	84.3	5.70	5.60	5.67	4.09	3.76	3.78	6	7.00
	12:36		Middle	1.5	27.80	27.80		7.97	7.97		27.82	27.82		85.2	83.8		5.73	5.63		3.57	3.71		8	
17/6/2011	14:11	Rainy	Middle	1.5	27.10	27.10	27.20	8.01	8.01	8.01	26.20	26.20	26.21	82.3	81.5	81.5	5.63	5.58	5.58	3.04	3.24	3.19	<2	<2
	14:14		Middle	1.5	27.30	27.30		8.00	8.00		26.21	26.21		81.9	80.3		5.60	5.49		3.21	3.25		<2	
21/6/2011	15:42	Fine	Middle	1.5	27.10	27.10	27.15	7.90	7.90	7.90	28.68	28.68	28.68	80.2	79.3	79.8	5.42	5.36	5.40	3.80	3.44	3.52	6	7.00
	15:45		Middle	1.5	27.20	27.20		7.90	7.90		28.68	28.68		81.0	78.8		5.48	5.32		3.61	3.23		8	
23/6/2011	17:13	Cloudy	Middle	1.5	26.50	26.50	26.60	7.96	7.96	7.96	30.32	30.32	30.33	72.5	71.0	72.0	4.91	4.80	4.87	5.15	4.61	4.57	8	8.50
	17:15		Middle	1.5	26.70	26.70		7.96	7.96		30.34	30.34		73.0	71.6		4.94	4.84		4.15	4.38		9	
26/6/2011	12:30	Cloudy	Middle	1.5	28.12	28.12	28.12	7.91	7.91	7.91	27.74	27.74	27.72	80.8	80.0	79.7	5.40	5.39	5.44	4.17	4.21	4.11	9	10.00
	12:31		Middle	1.5	28.12	28.12		7.90	7.90		27.69	27.69		79.2	78.8		5.30	5.67		4.08	3.98		11	

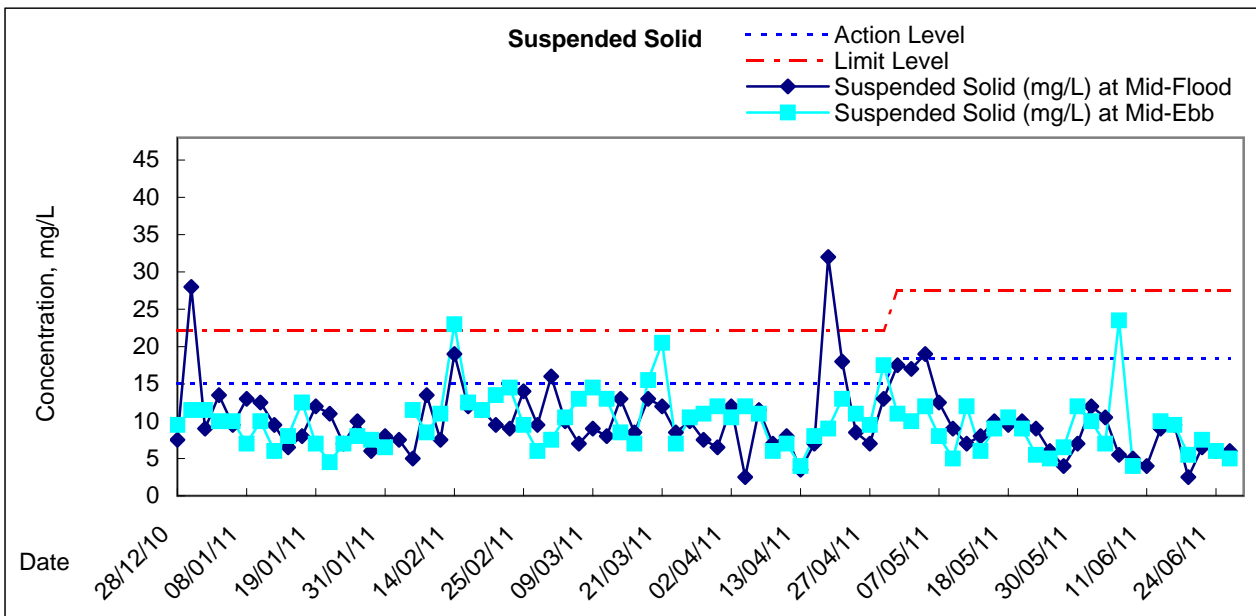
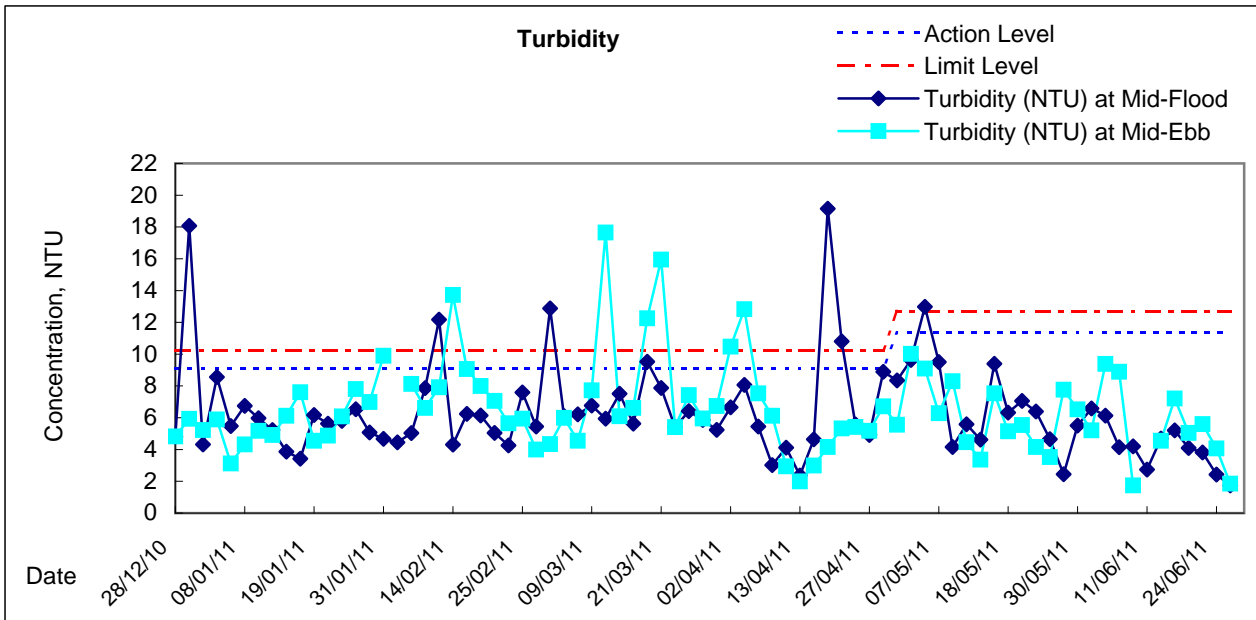
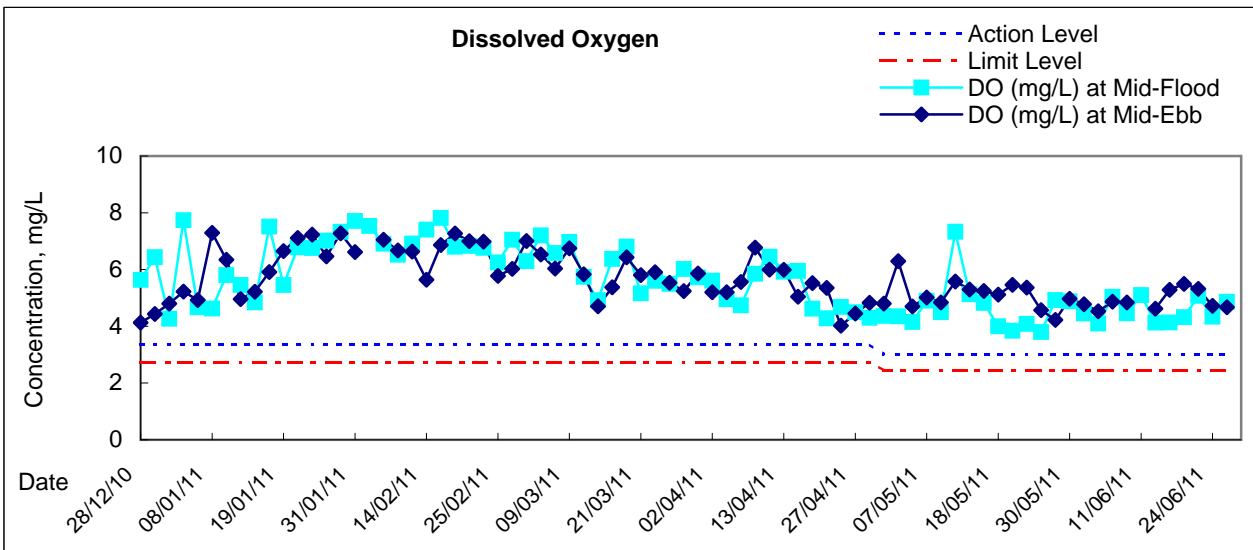


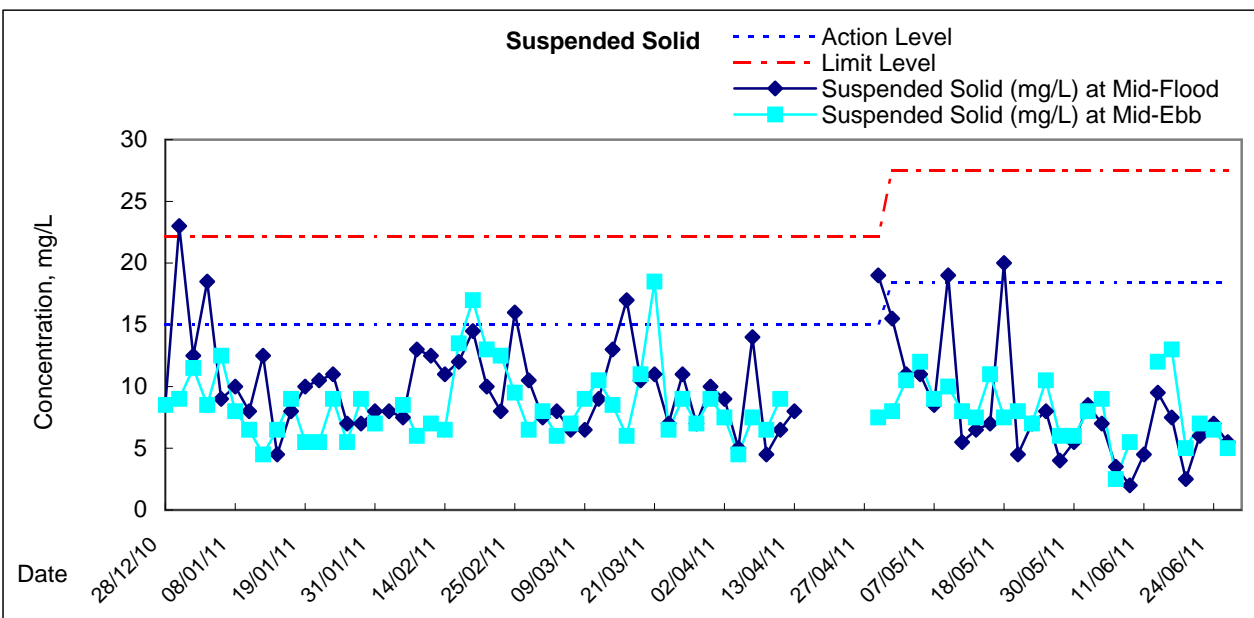
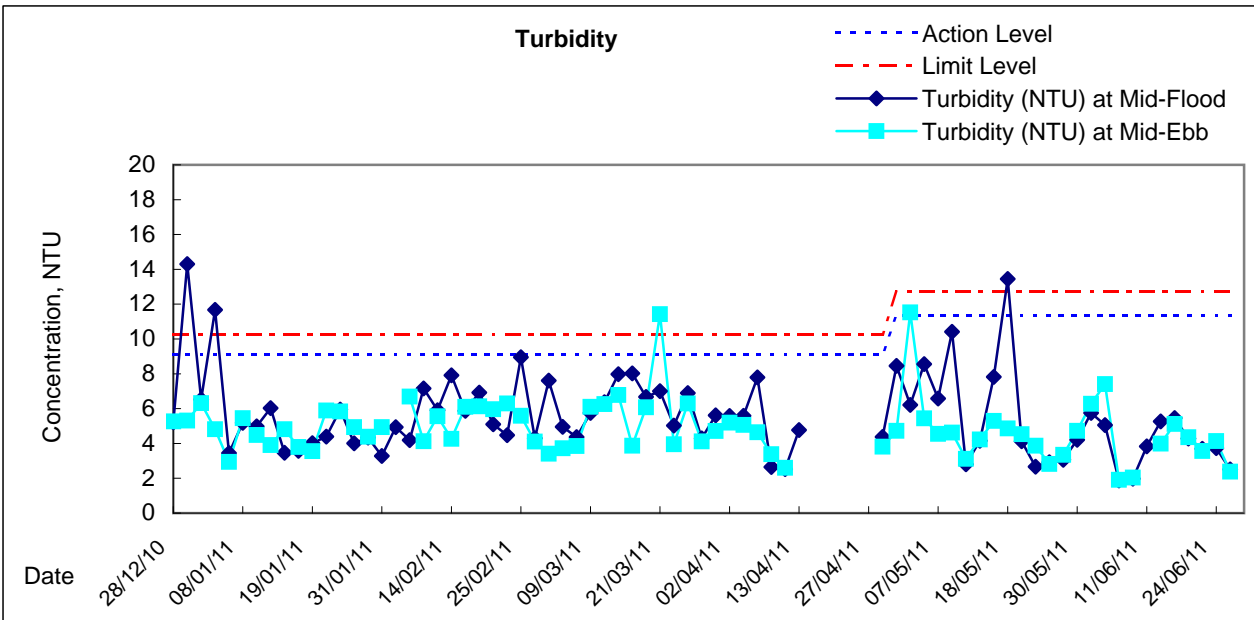
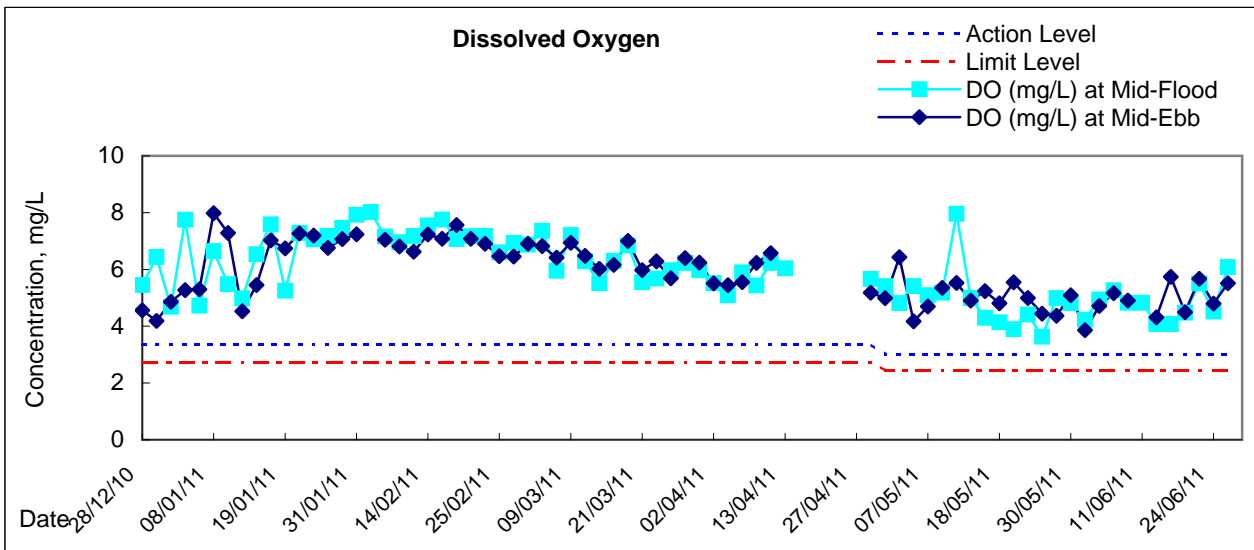


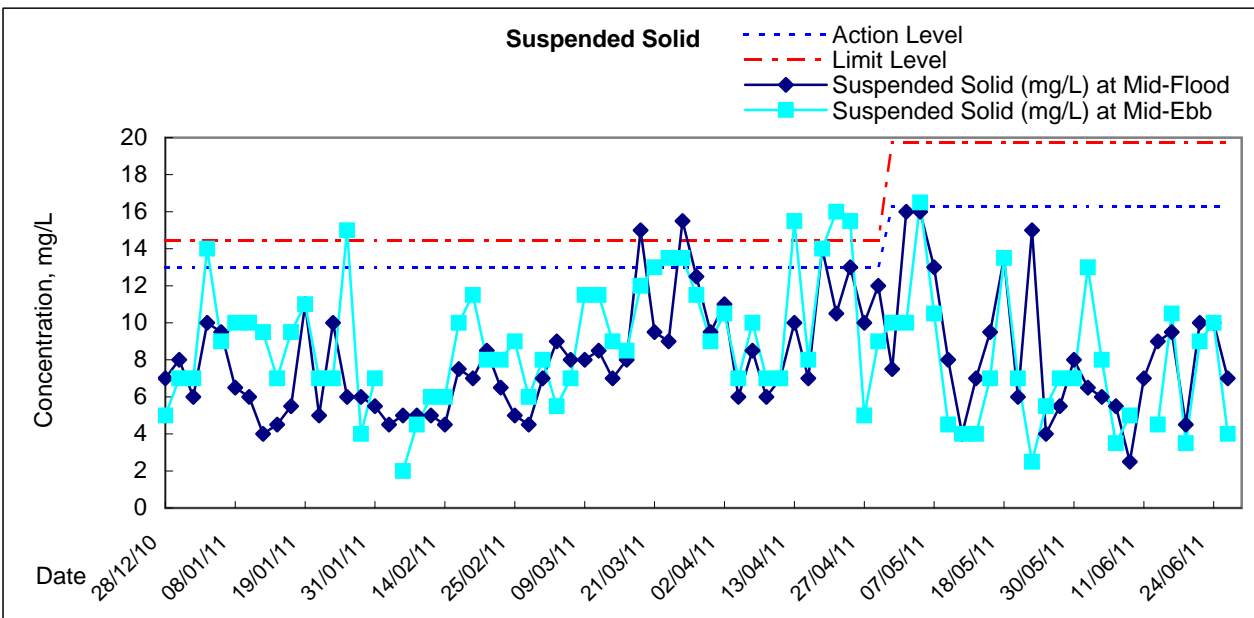
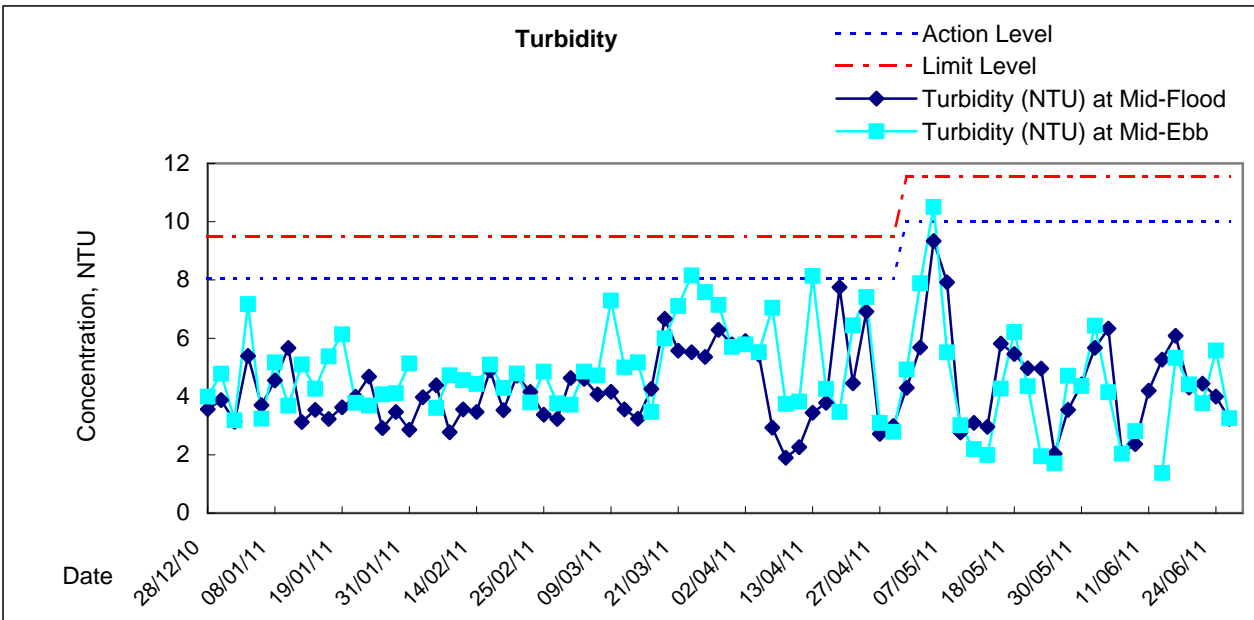
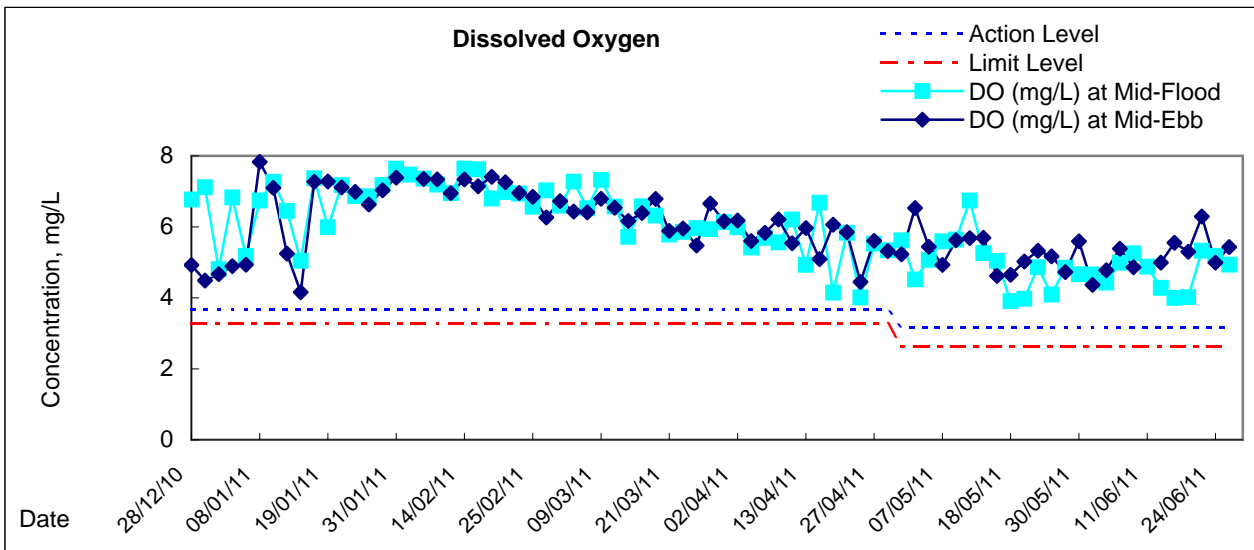


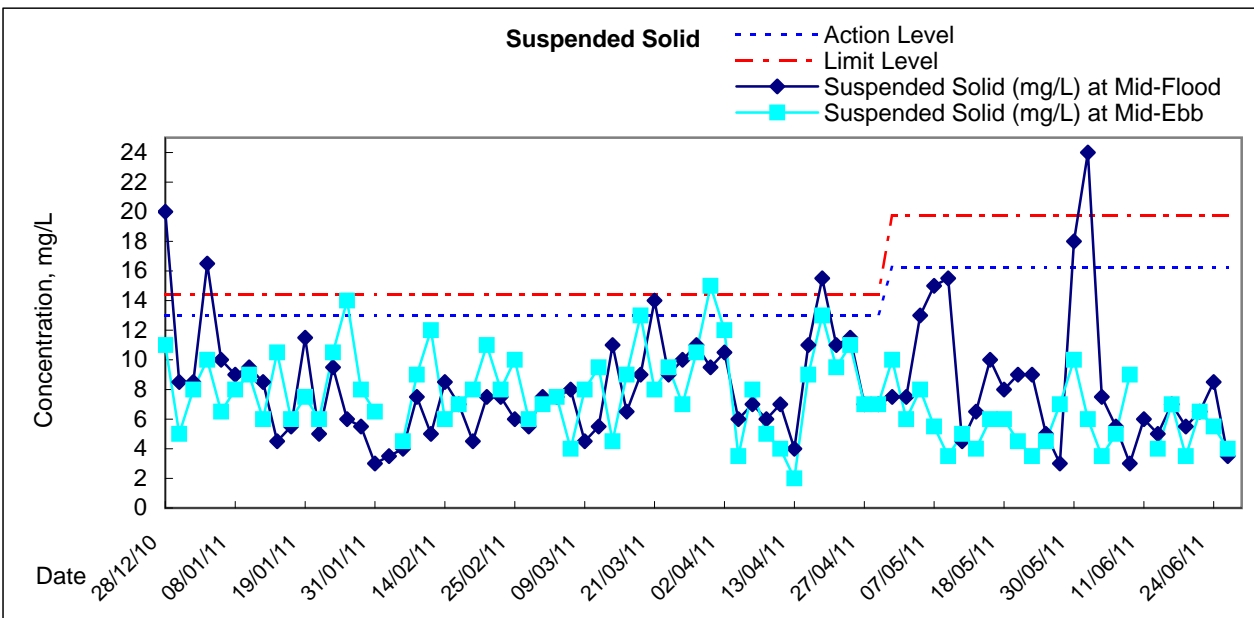
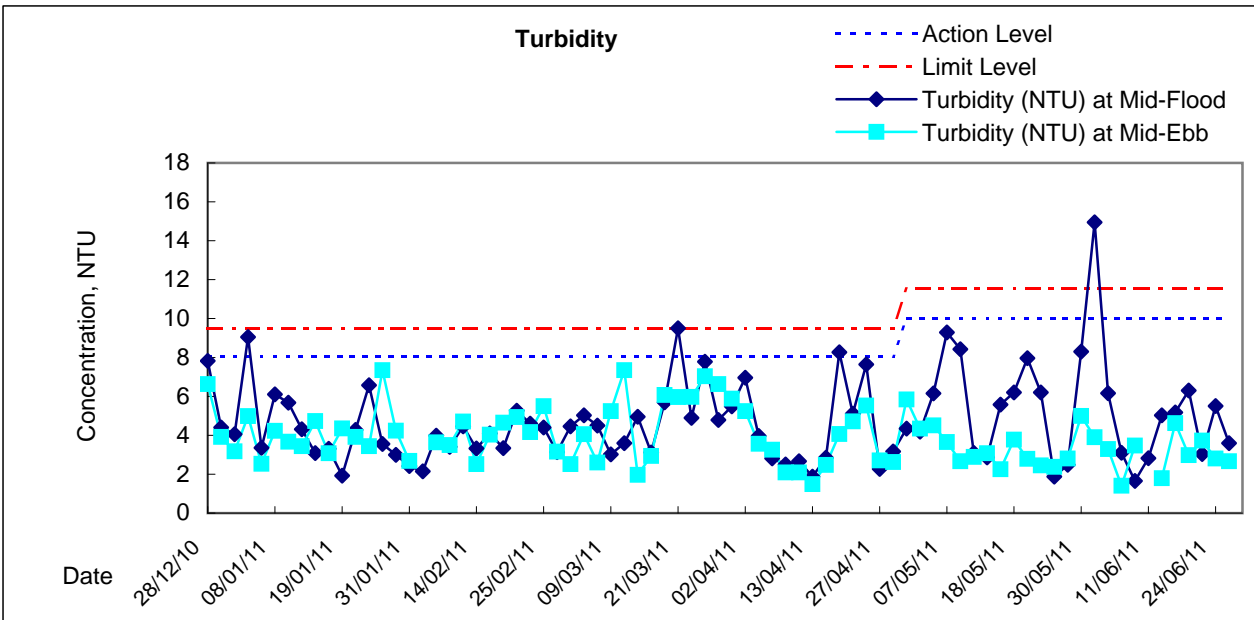
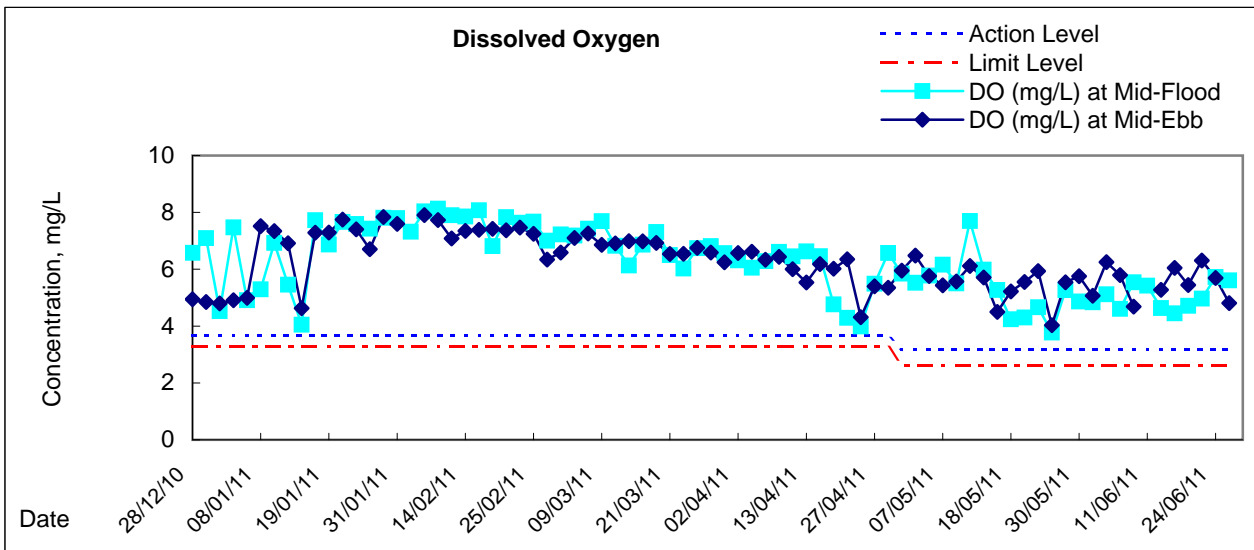




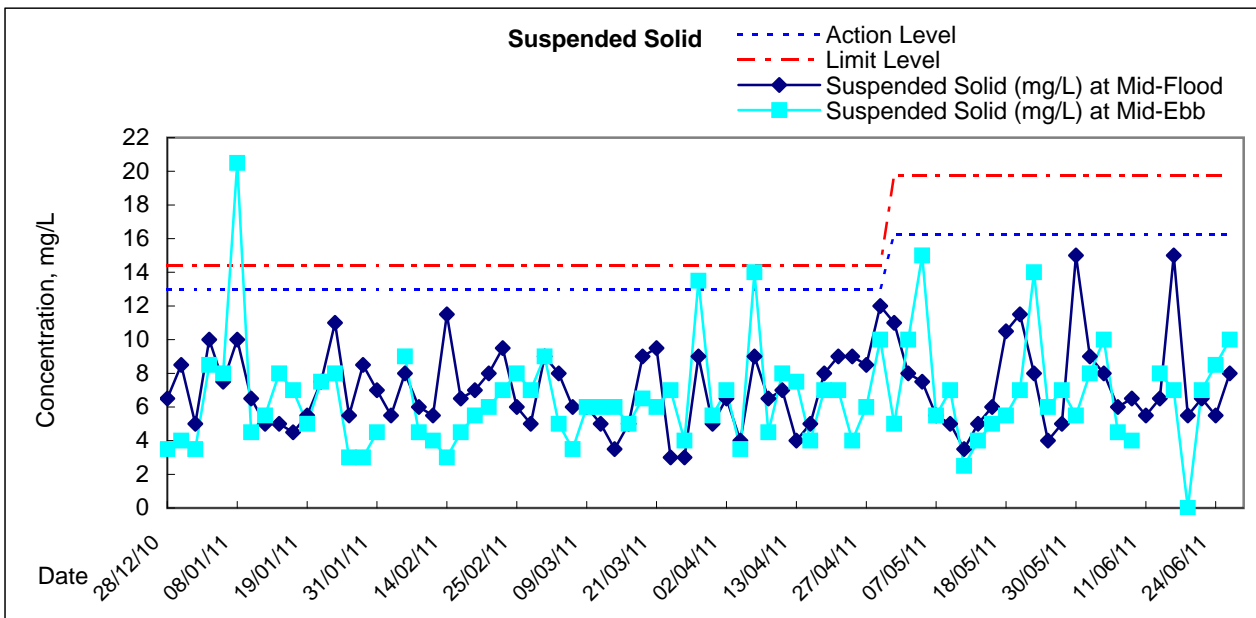
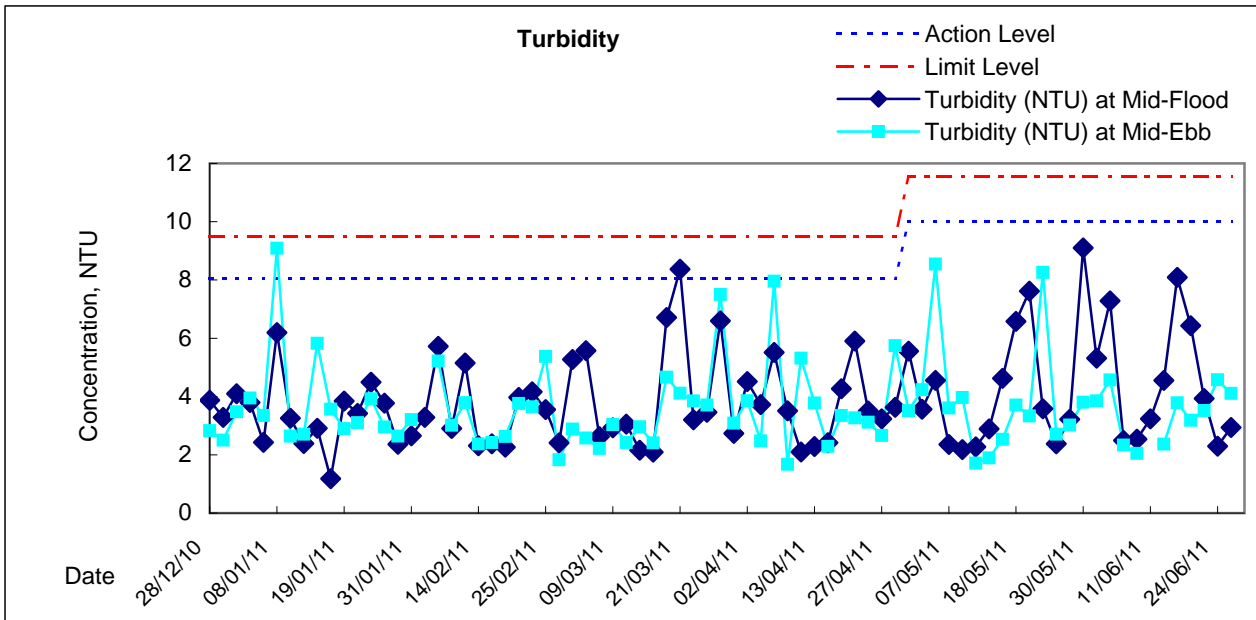
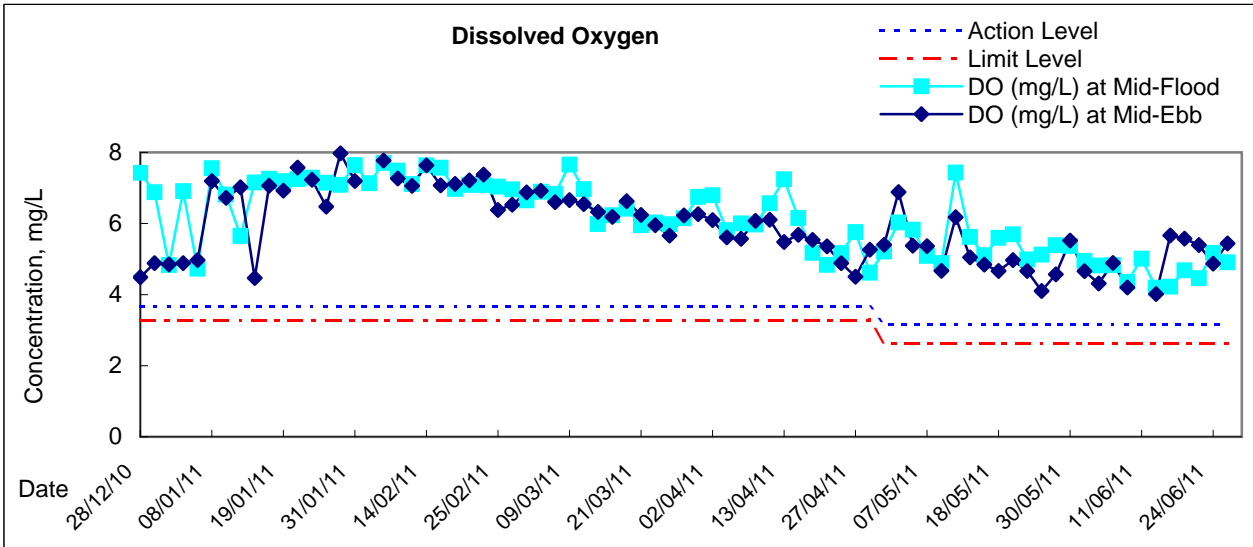


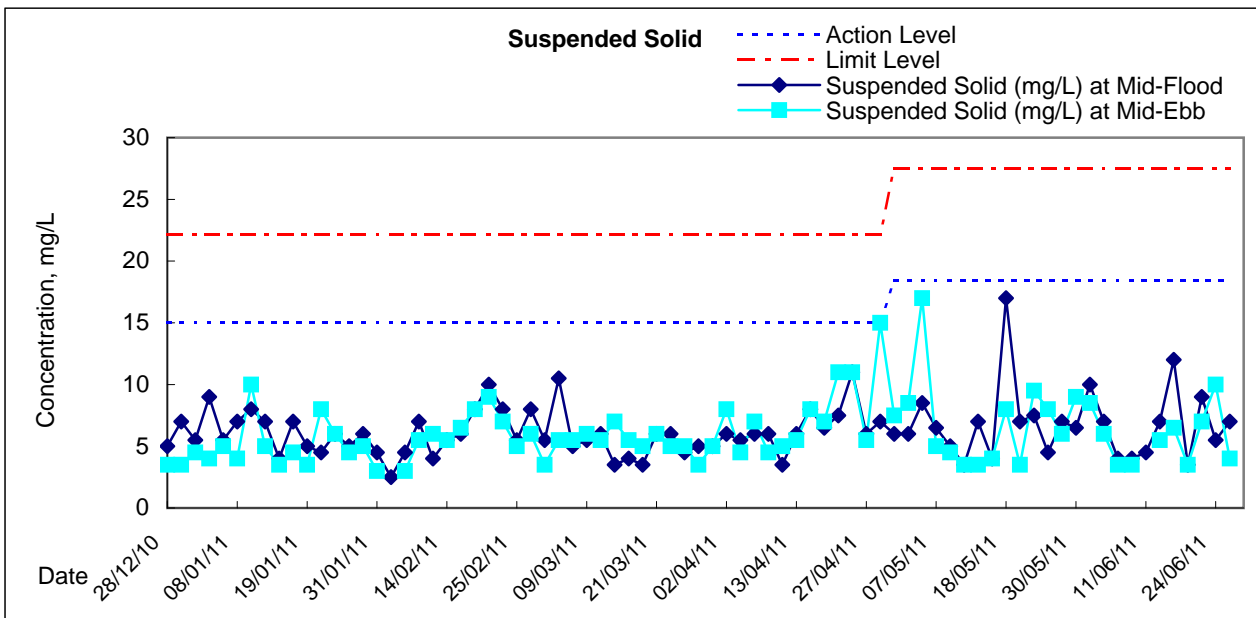
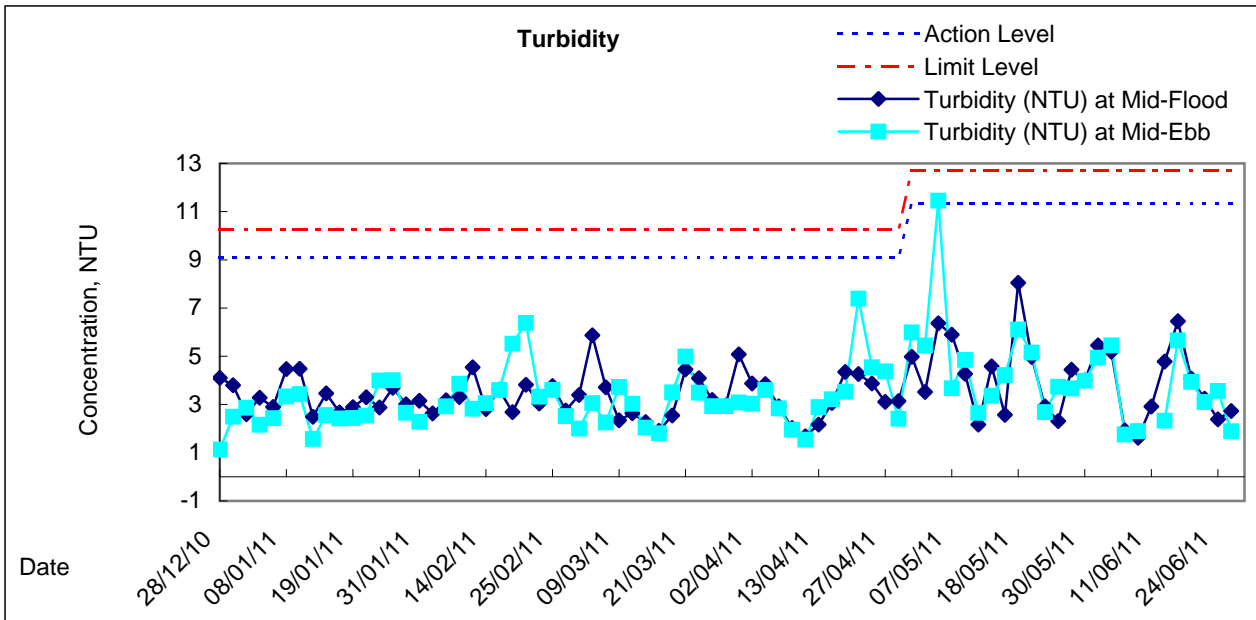
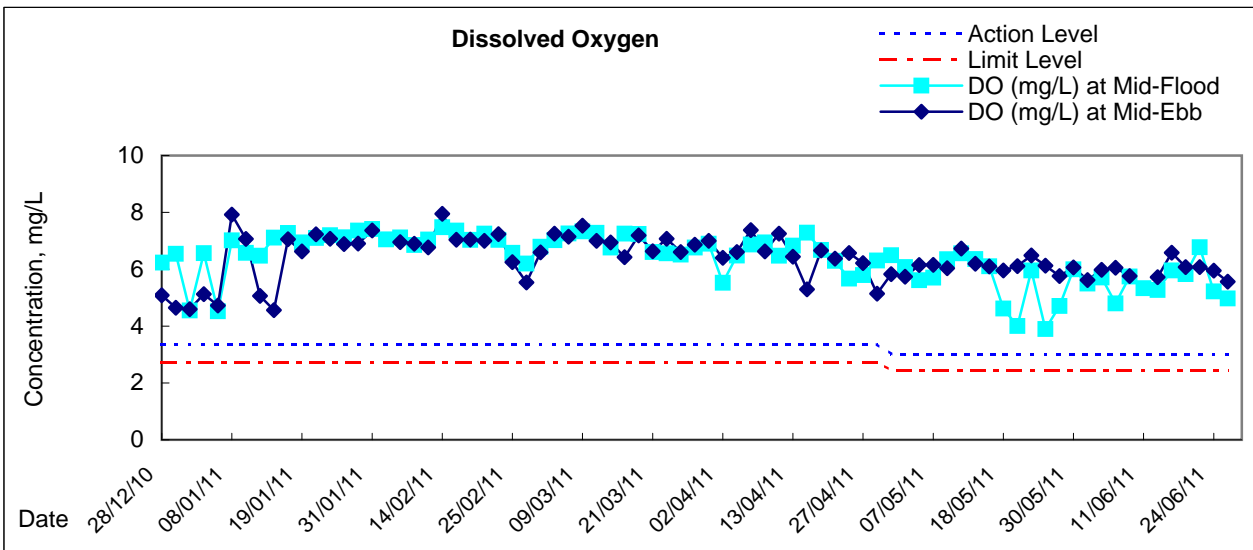


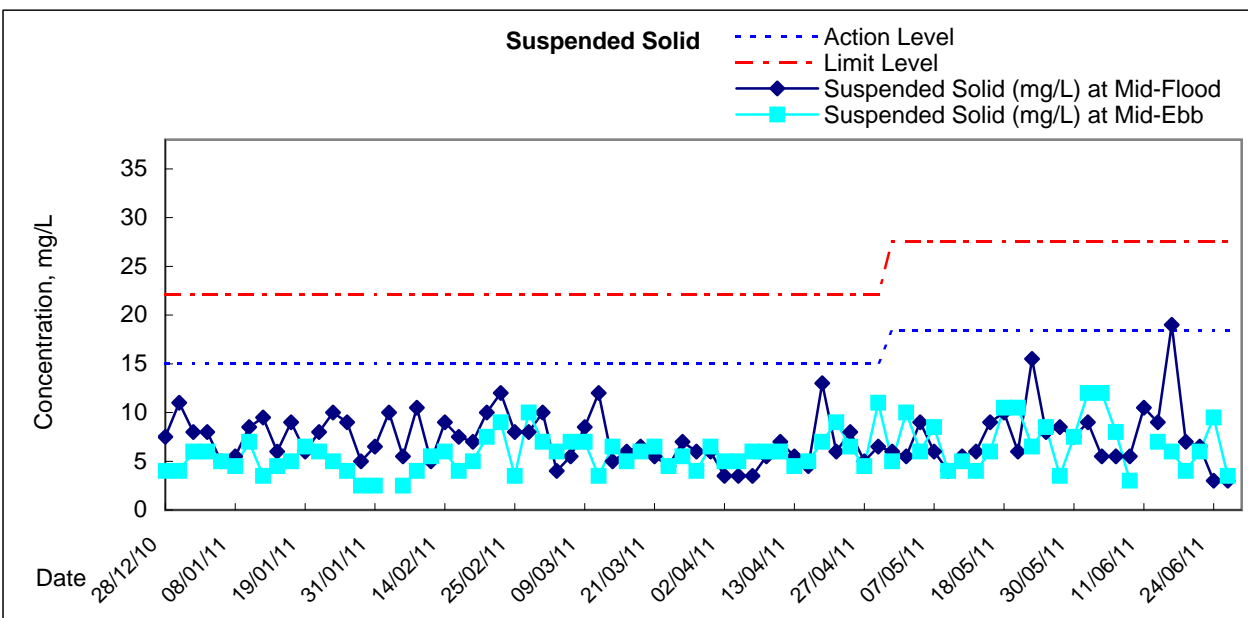
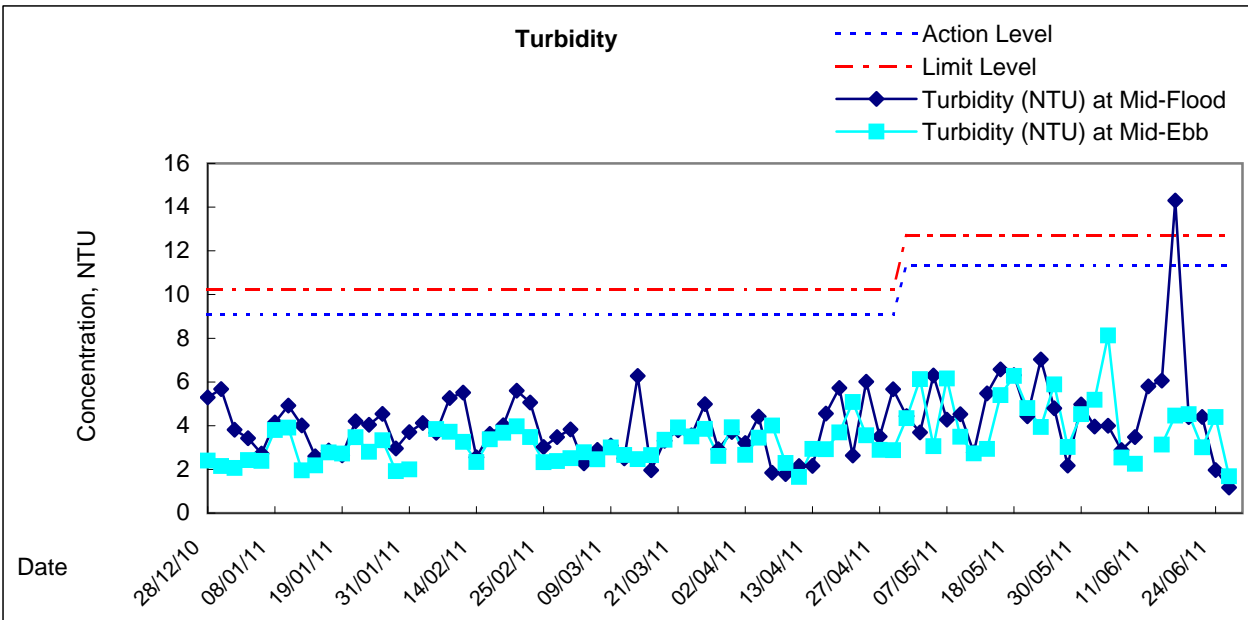
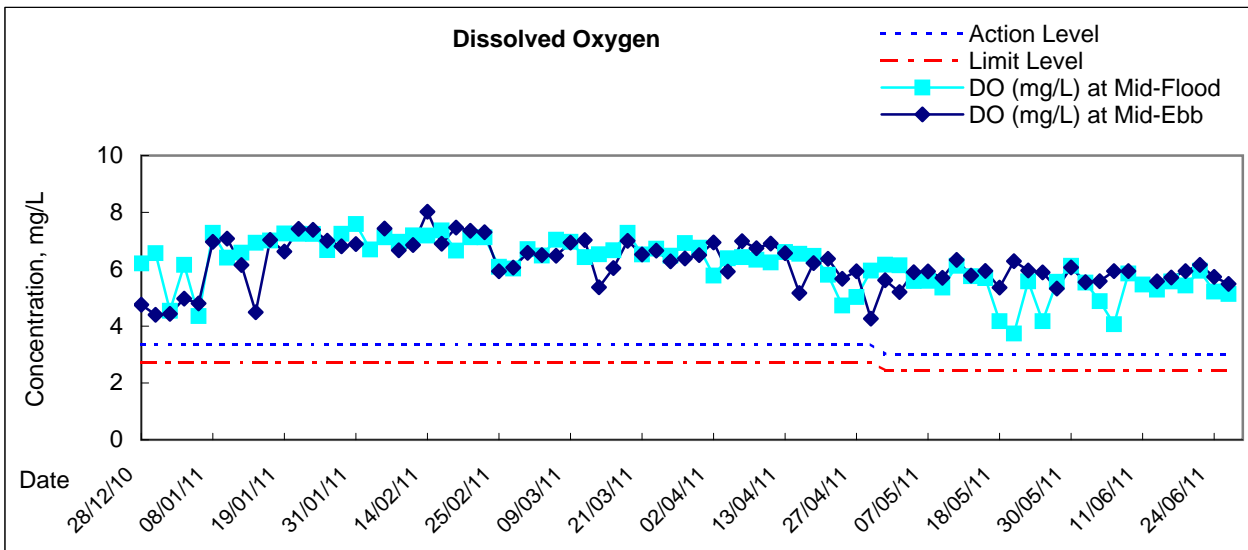


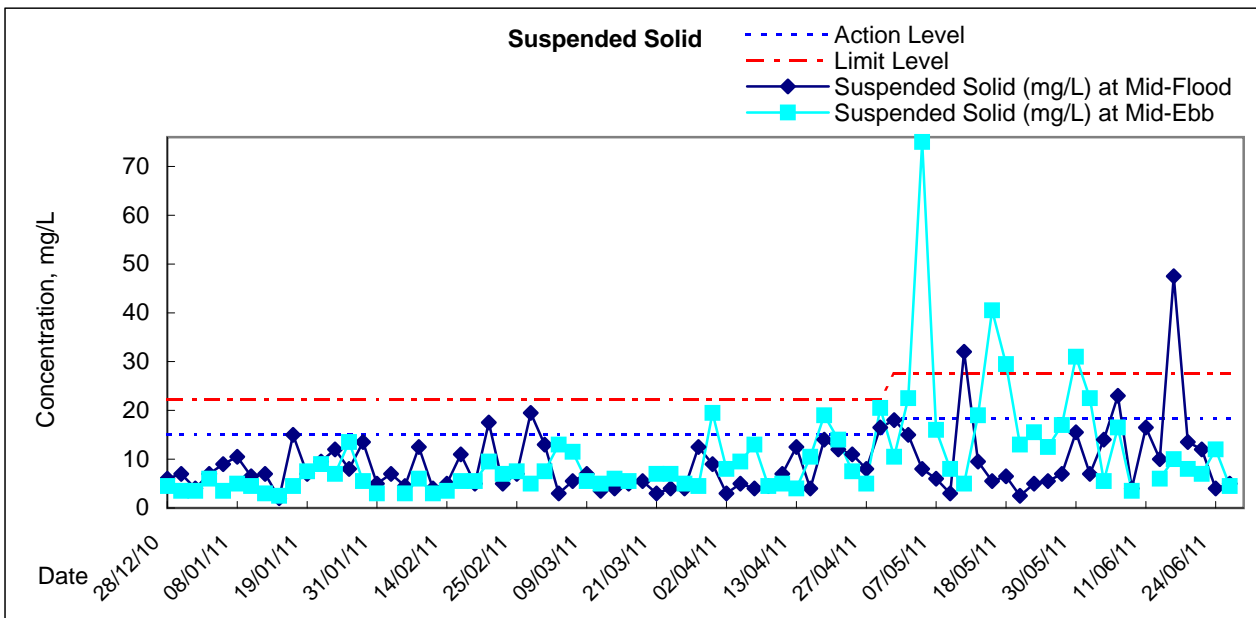
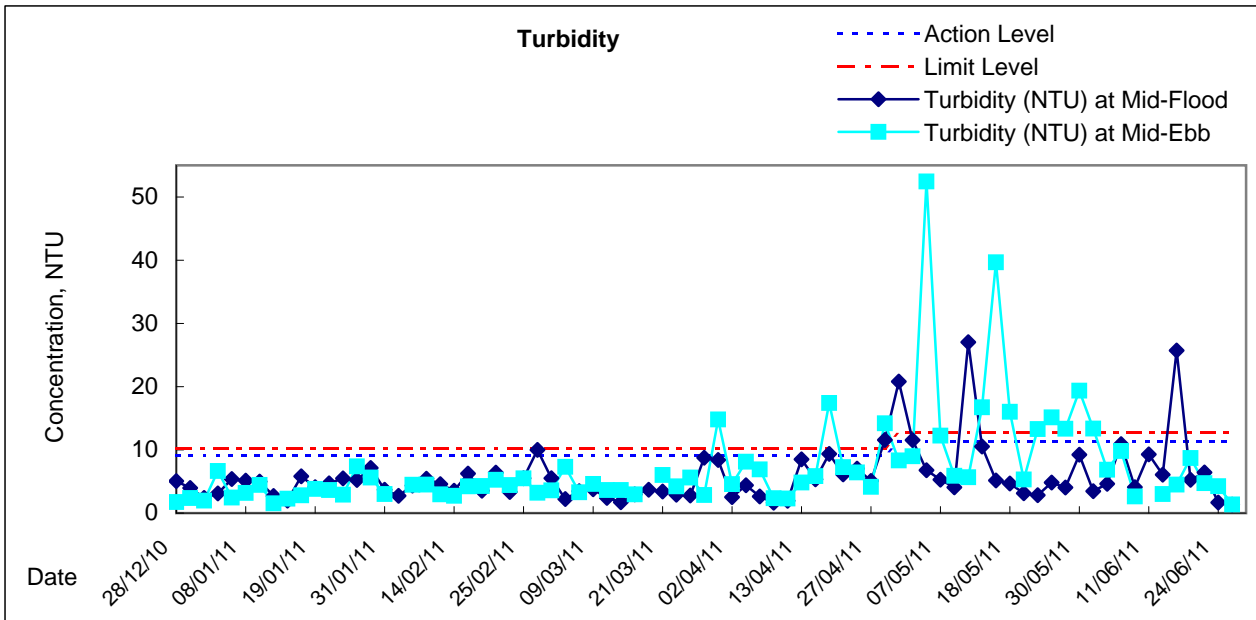
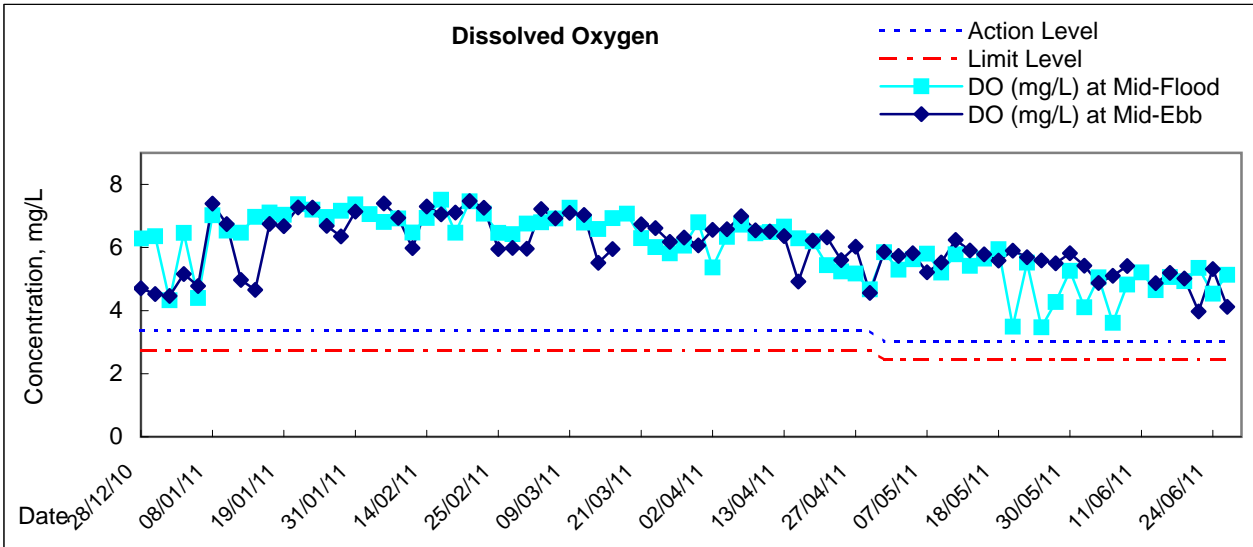


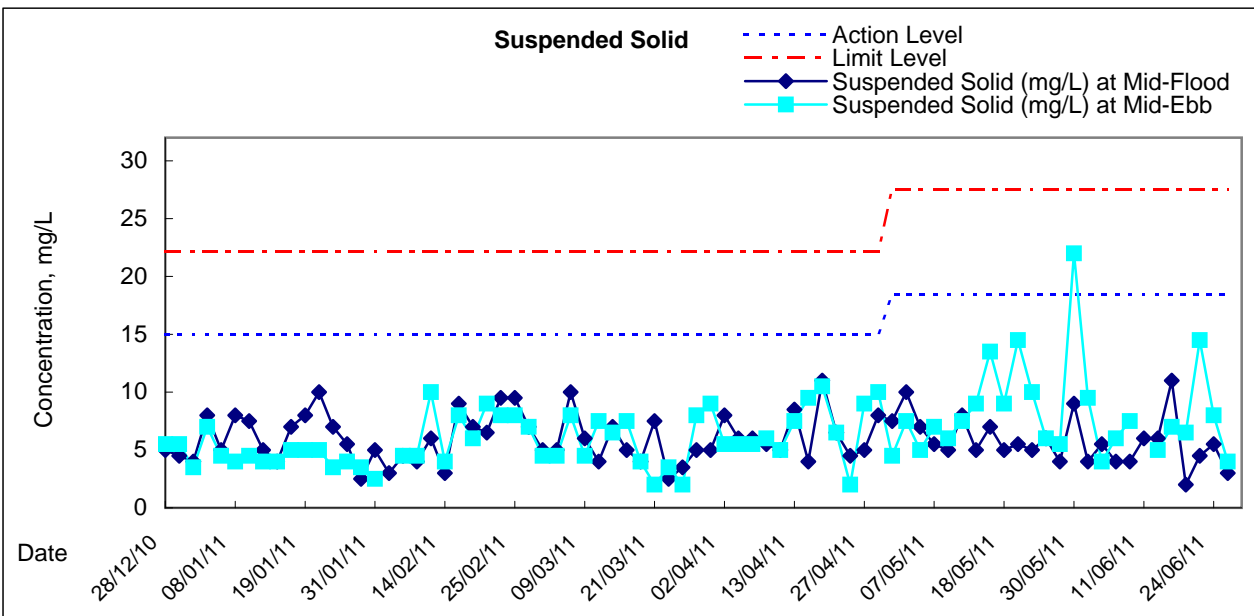
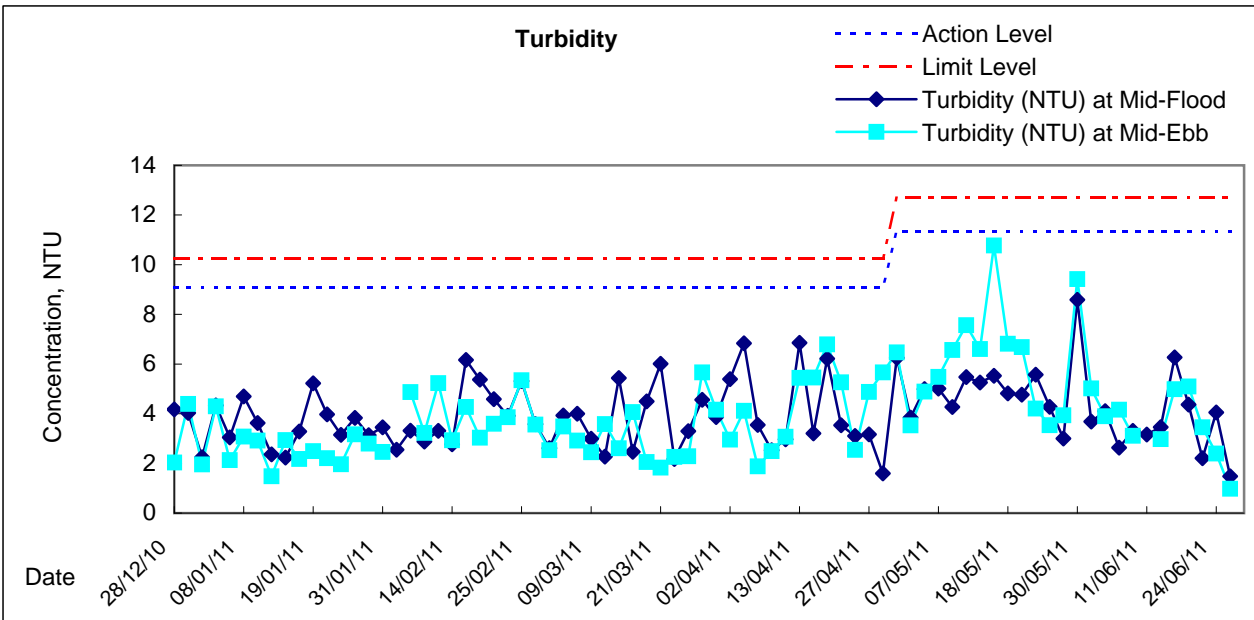
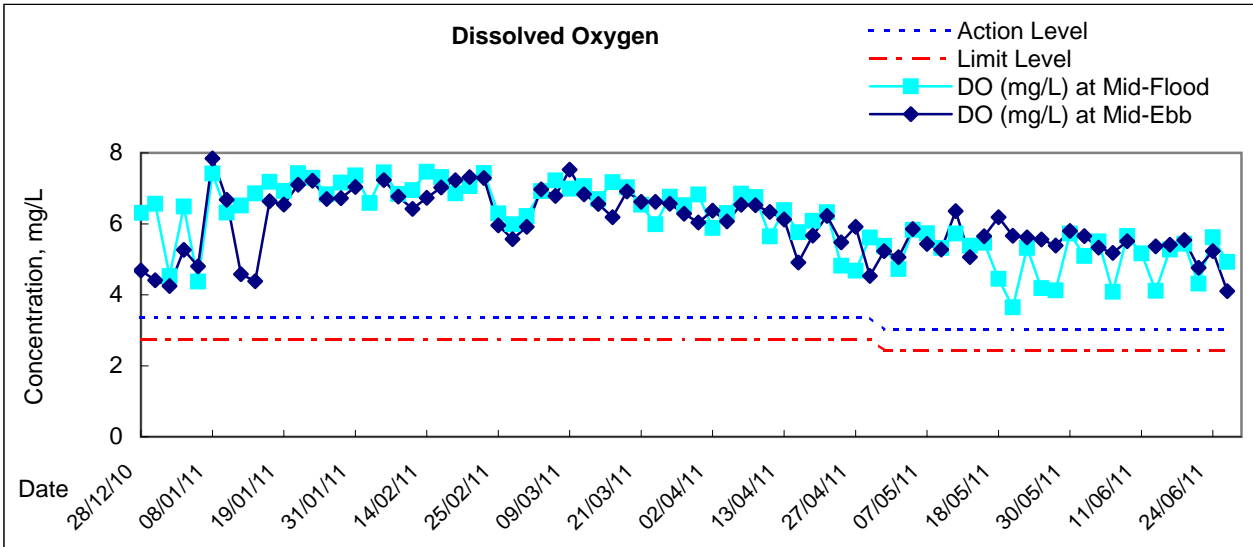






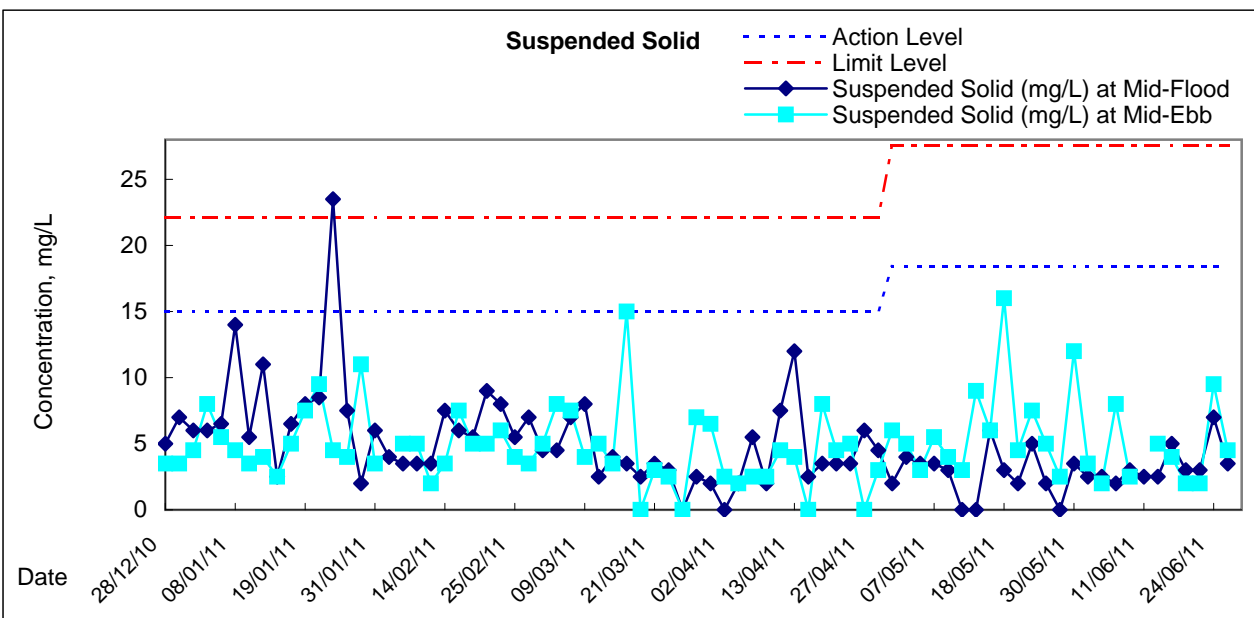
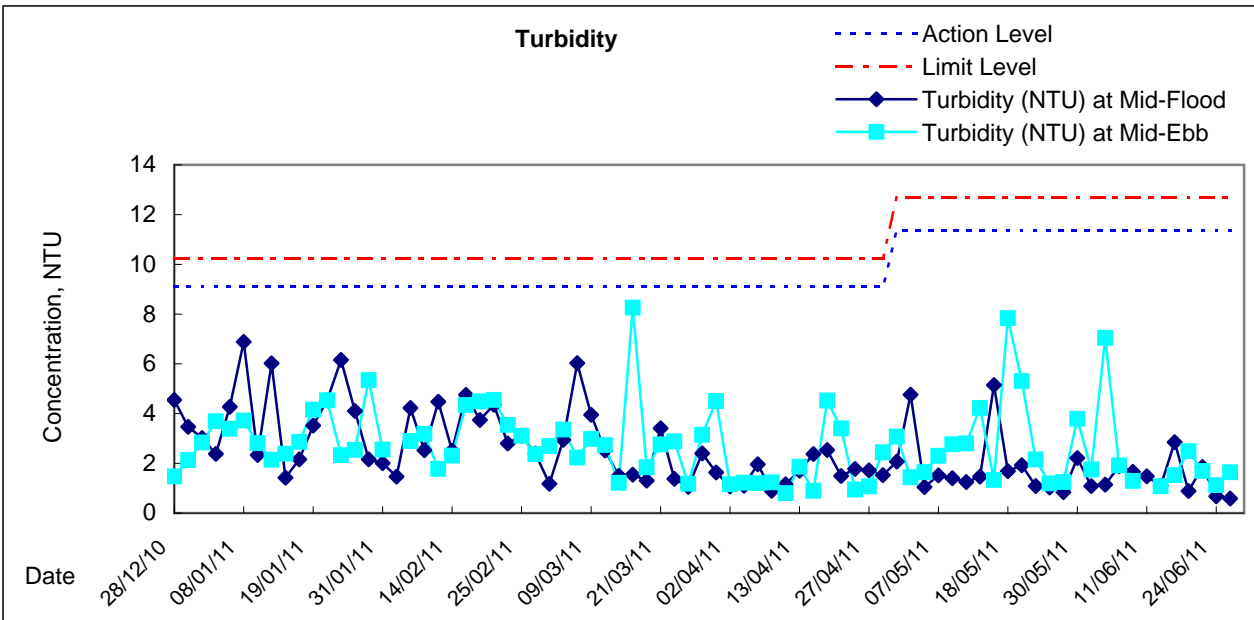
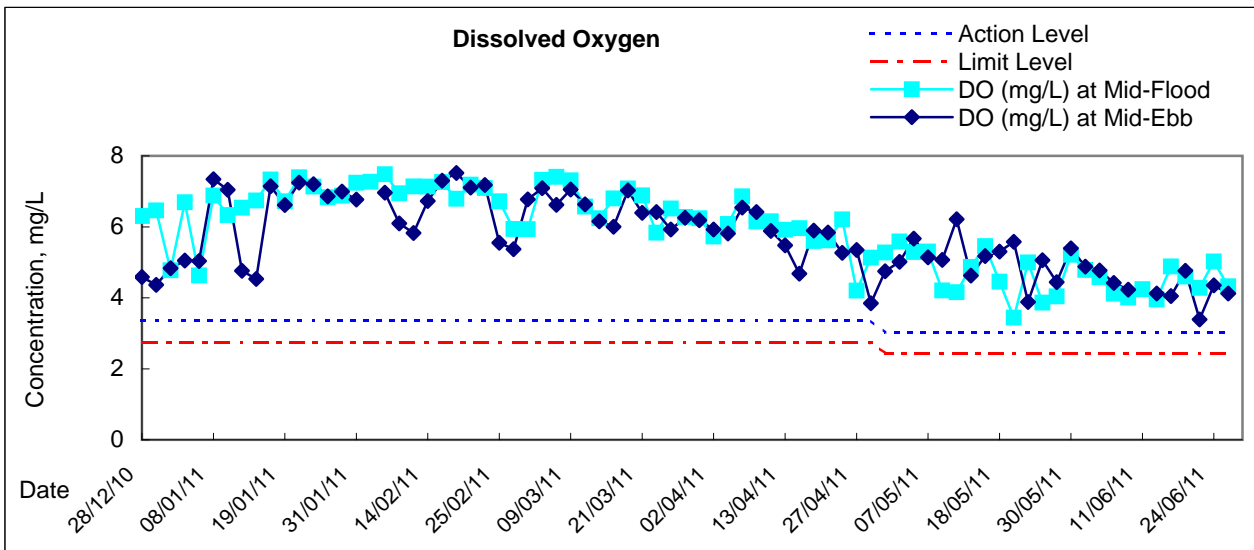




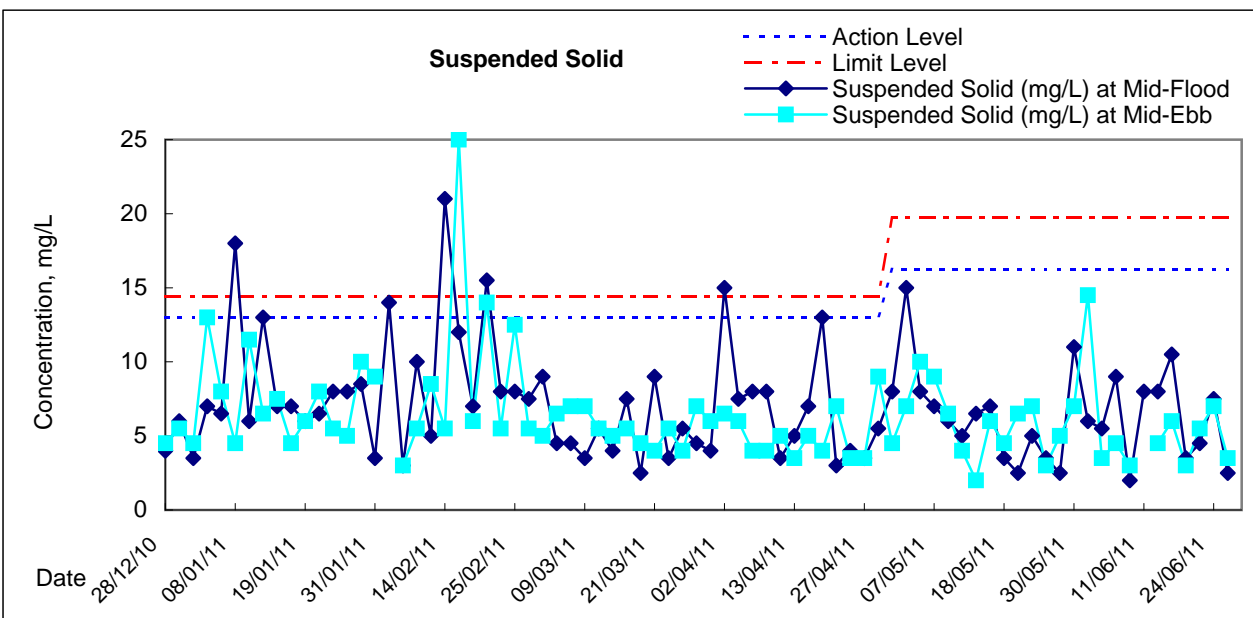
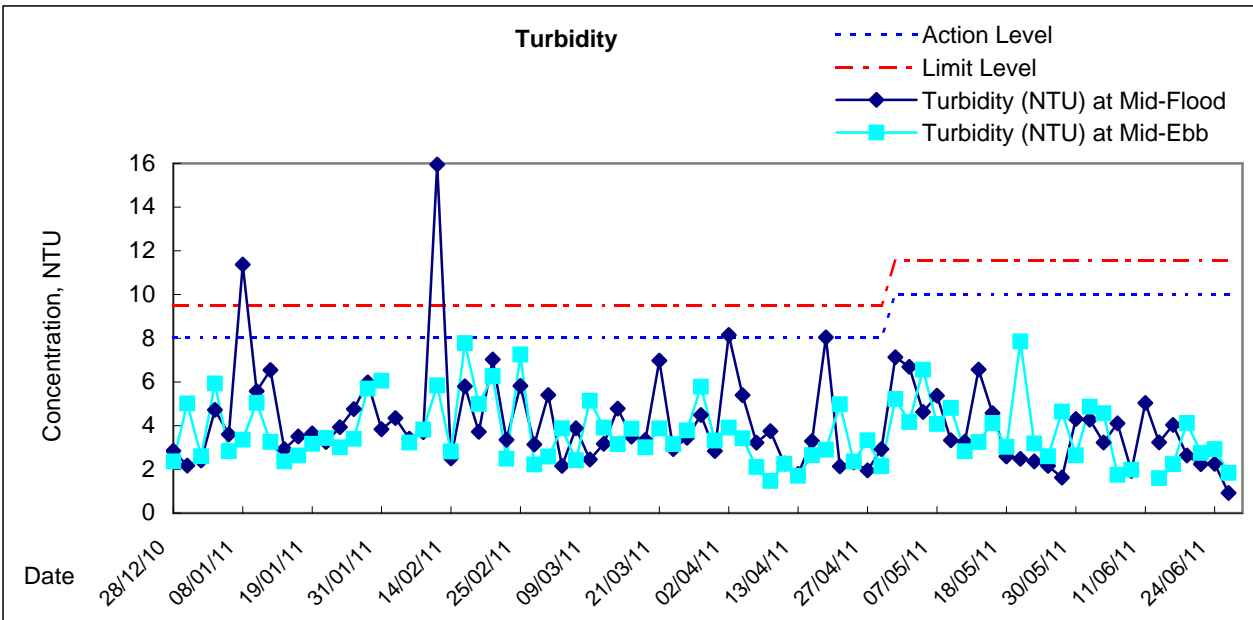
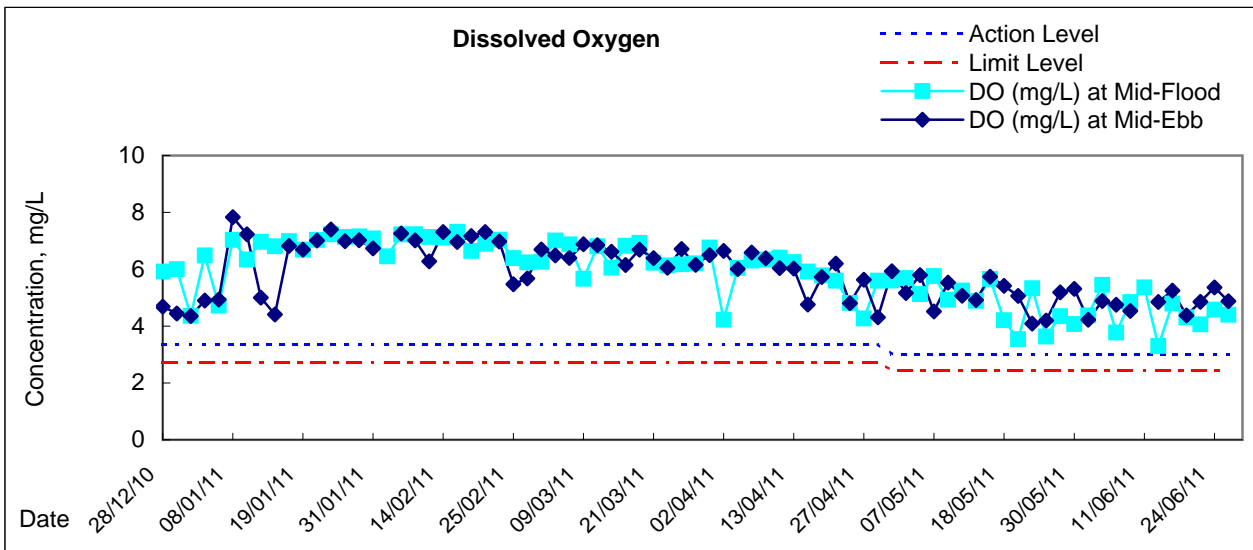


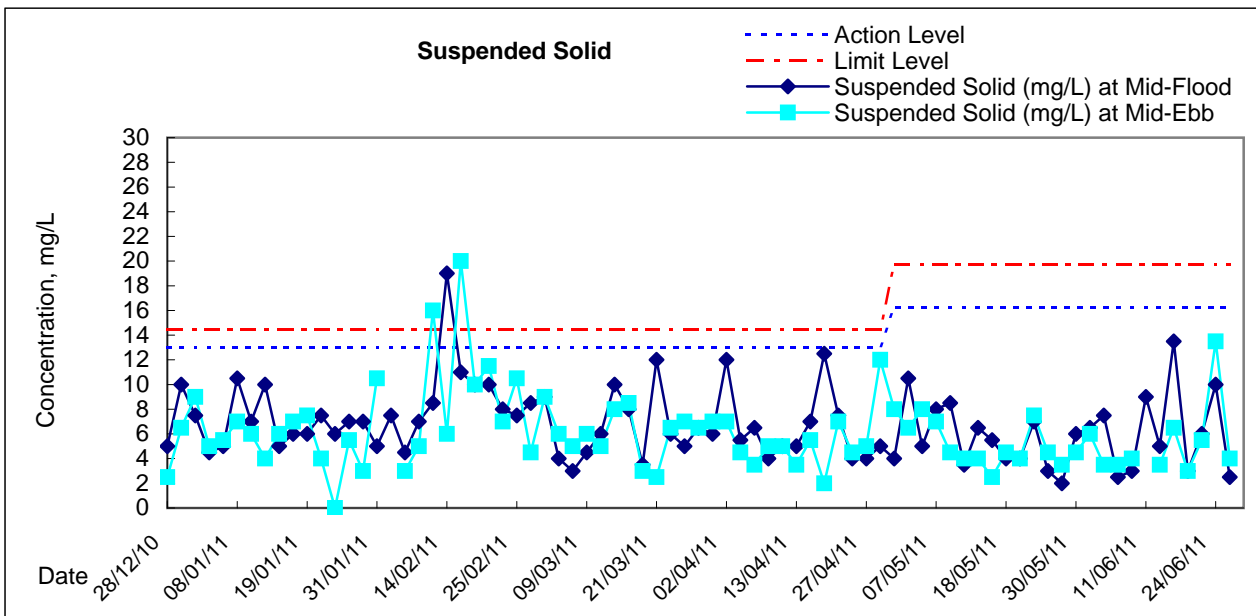
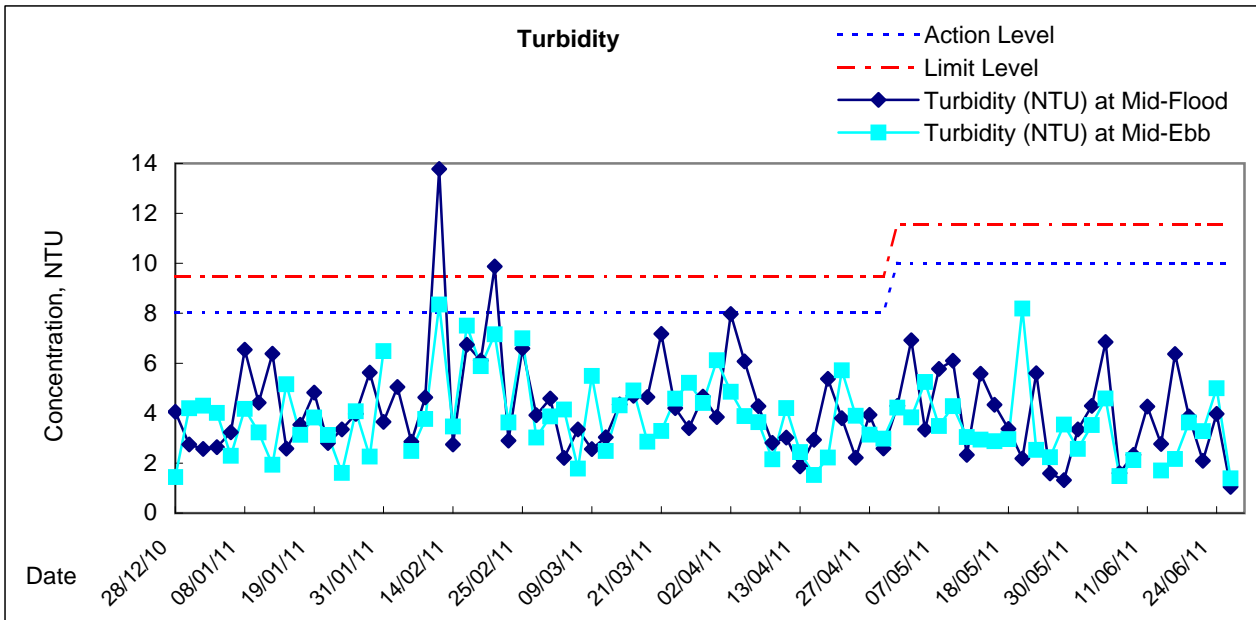
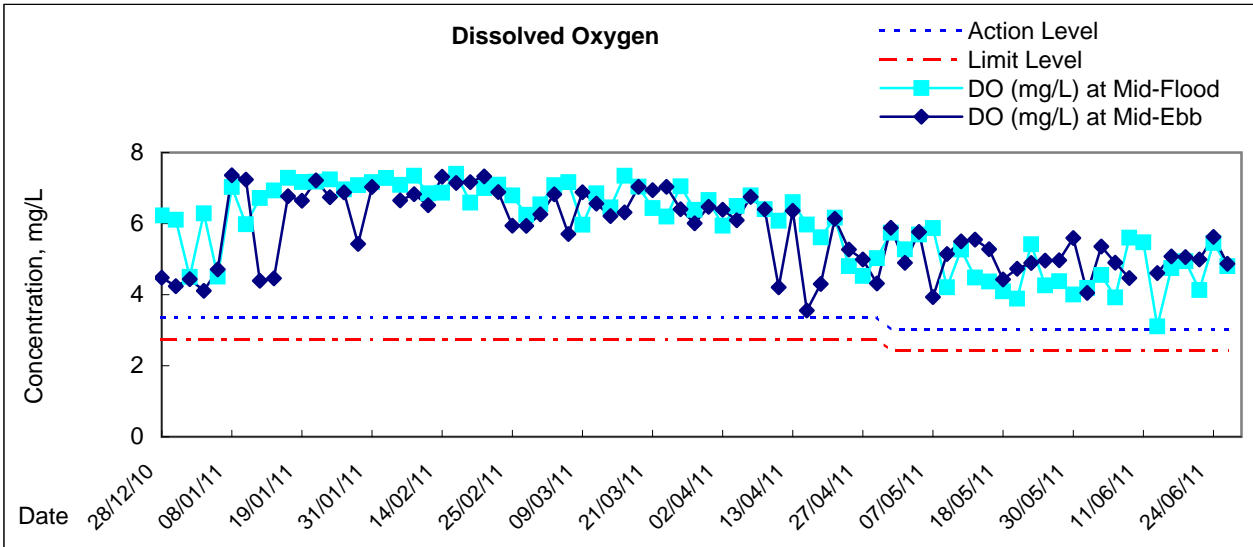


# Graphic Presentation of Water Quality Result of C4w - WCT and GEC (Western)

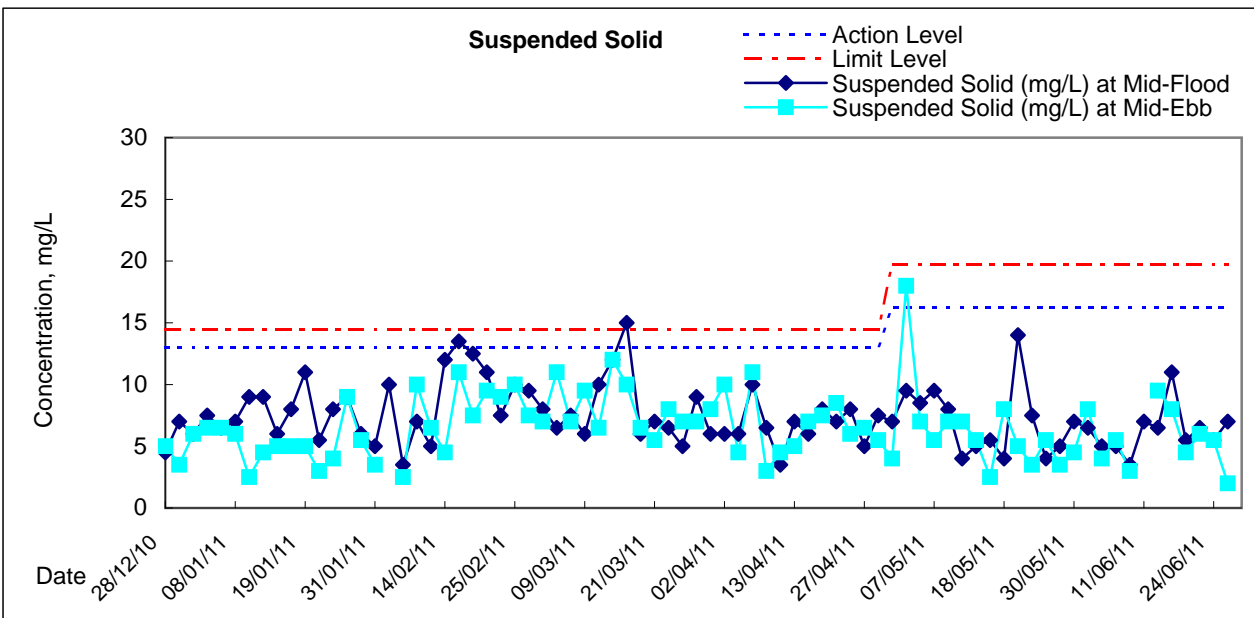
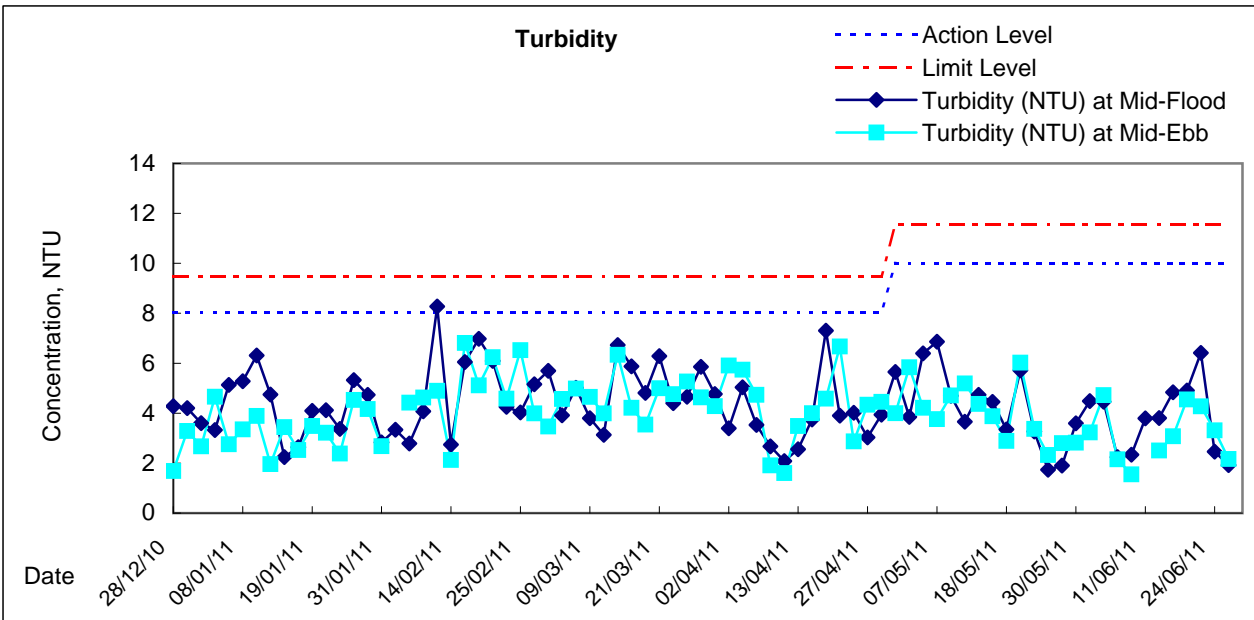
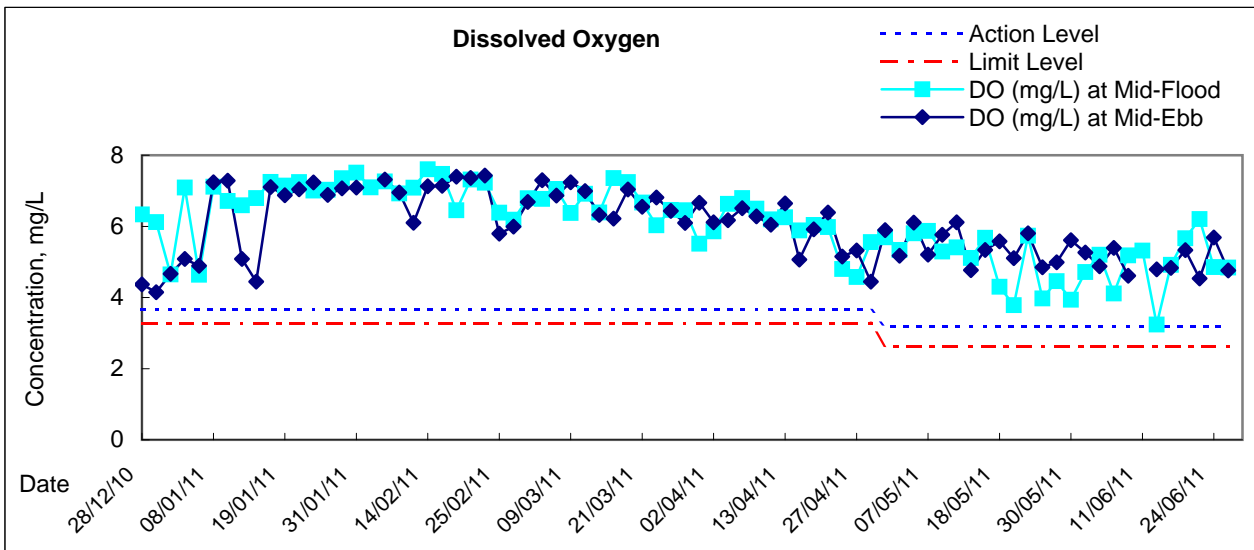


## Graphic Presentation of Water Quality Result of C5e - SHKC (Eastern)



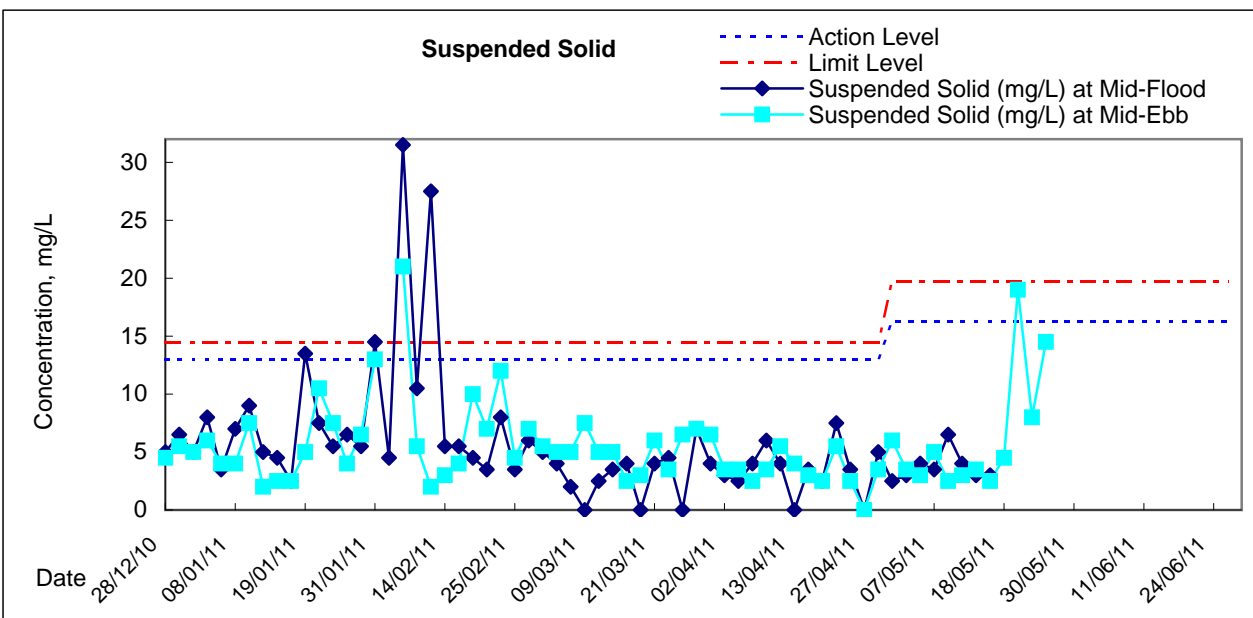
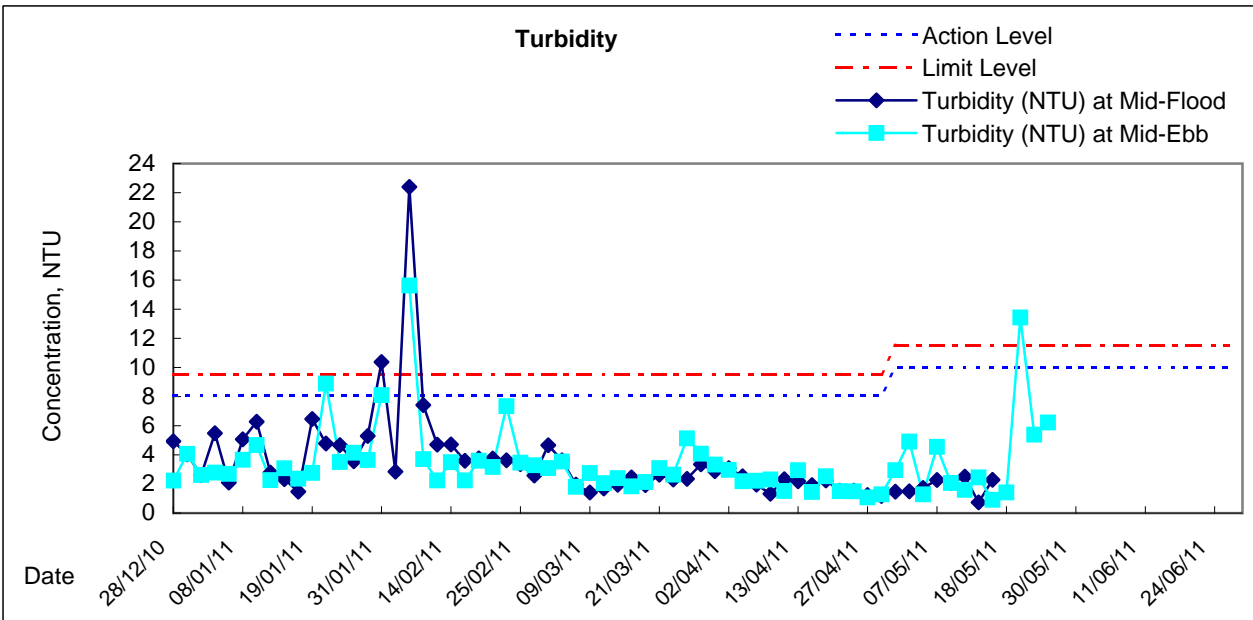
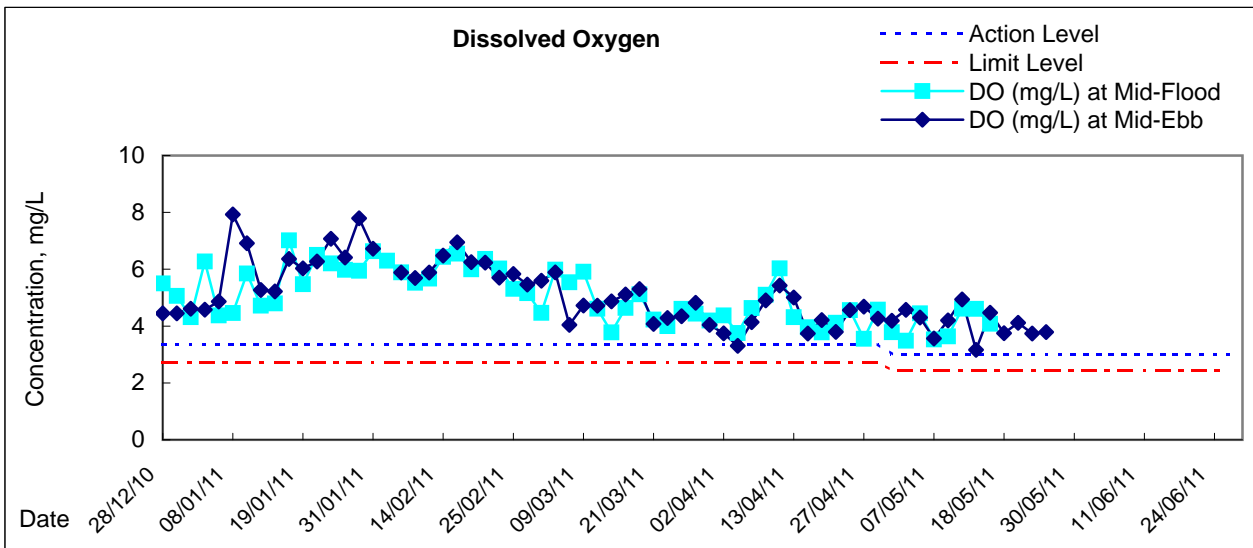


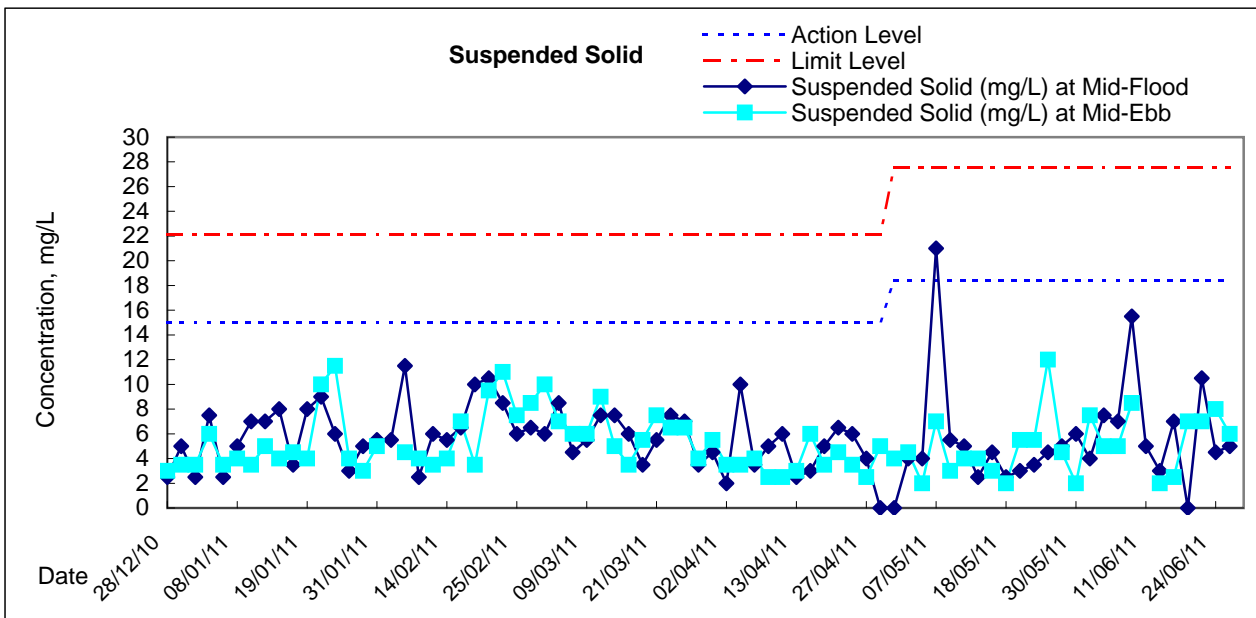
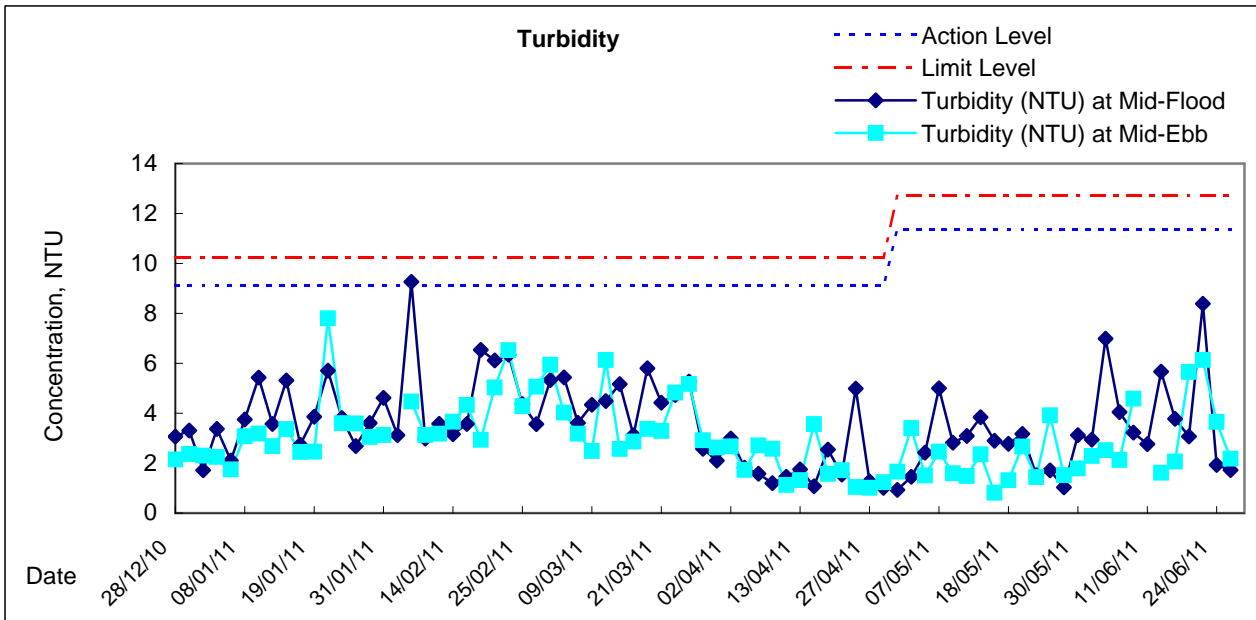
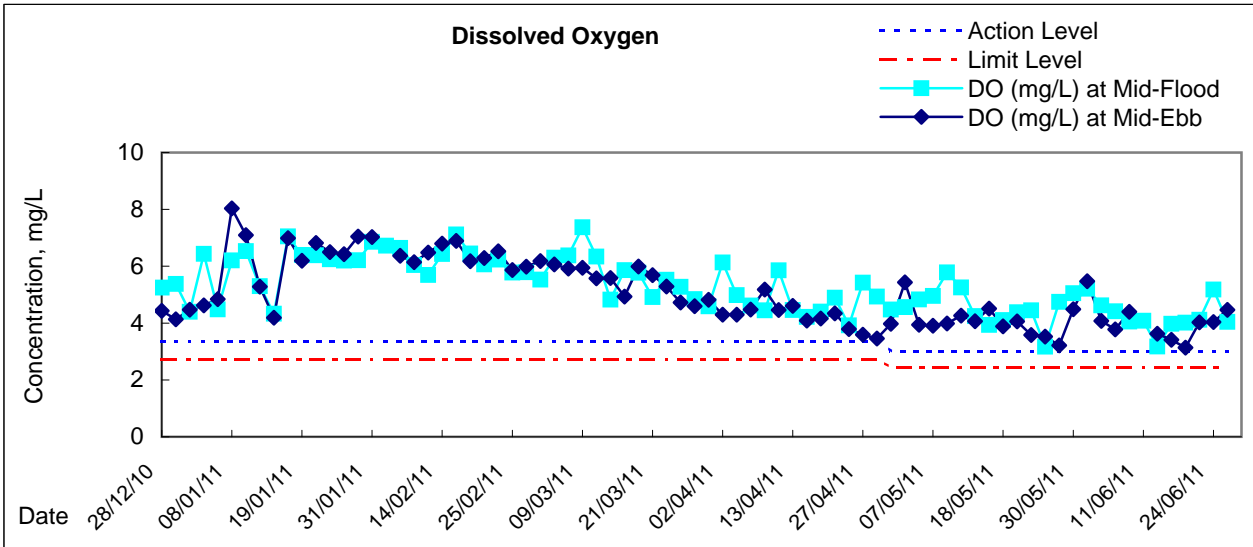






## Graphic Presentation of Water Quality Result of C6 - Excelsior Hotel















**Water Monitoring Result at C6 - Excelsior Hotel  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth m		Water Temperature °C			pH			Salinity ppt			DO Saturation %			DO mg/L		
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
			Surface																
28/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11:05		Middle	1	25.80	25.80	25.8	7.85	7.85	7.9	31.91	31.91	31.9	46.4	45.5	46.0	3.15	3.09	3.12
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:35		Middle	2	25.80	25.80	25.8	7.96	7.96	8.0	32.17	32.17	32.2	61.1	62.6	61.9	4.14	4.26	4.20
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:50		Middle	2	26.30	26.30	26.3	7.91	7.91	7.9	32.01	32.01	32.0	71.7	72.5	72.1	4.83	4.87	4.85
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:15		Middle	2	26.80	26.80	26.8	7.90	7.90	7.9	31.79	31.79	31.8	60.5	60.8	60.7	4.04	4.07	4.06
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:05		Middle	2	27.80	27.80	27.8	7.81	7.81	7.8	30.01	30.01	30.0	51.2	51.8	51.5	3.44	3.49	3.47
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/6/2011	-	Sunny	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:40		Middle	2	29.09	29.09	29.1	6.49	6.49	6.5	28.86	28.86	28.9	66.2	62.1	64.2	4.34	4.07	4.21
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/6/2011	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:05		Middle	2	27.70	27.70	27.7	7.80	7.80	7.8	28.98	28.98	29.0	40.1	40.9	40.5	2.68	2.79	2.74
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:05		Middle	1	28.00	28.00	28.0	7.99	7.99	8.0	28.18	28.18	28.2	53.4	52.9	53.2	3.57	3.55	3.56
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/6/2011	-	Rainy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:35		Middle	2	26.90	26.90	26.9	7.73	7.73	7.7	26.78	26.78	26.8	43.9	43.6	43.8	3.03	3.01	3.02
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:15		Middle	2	27.10	27.10	27.1	7.95	7.95	8.0	28.29	28.29	28.3	80.6	80.9	80.8	5.47	5.48	5.48
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:00		Middle	2	26.40	26.40	26.4	7.88	7.88	7.9	30.19	30.19	30.2	69.5	69.7	69.6	4.71	4.72	4.72
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:25		Middle	2	28.38	28.38	28.4	7.82	7.82	7.8	28.25	28.25	28.3	74.1	73.9	74.0	4.90	4.89	4.90
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks: Due to the enforcement of amber rainstorm warning on 11 June 2011, the water quality monitoring on 11 June 2011 at ebb tide was cancelled.





**Water Monitoring Result at C7 - Windsor House  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth m		Water Temperature °C			pH			Salinity ppt			DO Saturation %			DO mg/L		
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
			Surface																
28/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11:07		Middle	2	26.60	26.60	26.6	7.75	7.75	7.8	31.68	31.68	31.7	49.8	50.1	50.0	3.30	3.33	3.32
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:43		Middle	1	24.90	24.90	24.9	7.89	7.87	7.9	32.07	32.07	32.1	66.1	64.5	65.3	4.54	4.42	4.48
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:55		Middle	1	27.60	27.60	27.6	7.96	7.96	8.0	31.79	31.79	31.8	81.5	83.8	82.7	5.38	5.53	5.46
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:27		Middle	1	27.20	27.20	27.2	7.82	7.82	7.8	31.66	31.66	31.7	60.5	62.5	61.5	4.00	4.13	4.07
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:38		Middle	1	28.70	28.70	28.7	7.76	7.76	7.8	29.54	29.54	29.5	57.1	57.3	57.2	3.73	3.74	3.74
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/6/2011	-	Sunny	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:51		Middle	2	28.80	28.80	28.8	6.44	6.44	6.4	28.82	28.81	28.8	67.2	67.3	67.3	4.41	4.42	4.42
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/6/2011	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:18		Middle	2	29.90	29.90	29.9	7.71	7.71	7.7	28.66	28.66	28.7	55.4	56.8	56.1	3.57	3.67	3.62
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:10		Middle	2	28.70	28.70	28.7	7.78	7.78	7.8	28.60	28.60	28.6	51.1	52.3	51.7	3.37	3.45	3.41
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/6/2011	-	Rainy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:42		Middle	2	26.70	26.70	26.7	7.73	7.73	7.7	28.16	28.16	28.2	47.0	48.7	47.9	3.21	3.43	3.32
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:25		Middle	2	27.90	27.90	27.9	7.85	7.85	7.9	28.78	28.78	28.8	61.4	60.2	60.8	5.98	5.65	5.82
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:10		Middle	2	27.40	27.40	27.4	7.93	7.93	7.9	30.10	30.10	30.1	59.6	61.3	60.5	3.98	4.10	4.04
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:30		Middle	2	28.37	28.37	28.4	7.94	7.94	7.9	28.35	28.35	28.4	70.6	69.1	69.9	4.54	4.44	4.49
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks: Due to the enforcement of amber rainstorm warning on 11 June 2011, the water quality monitoring on 11 June 2011 at ebb tide was cancelled.



**Water Monitoring Result at Ex-WPCWA SW - South-western corners of ex-Public Cargo Works Area  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth		Water Temperature			pH			Salinity			DO Saturation			DO		
			m		°C						ppt		%		mg/L				
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average					
28/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:46		Middle	1.0	25.70	25.70	25.7	7.82	7.82	7.8	32.39	32.39	32.4	47.9	47.0	47.5	3.25	3.20	3.23
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:20		Middle	1.5	25.80	25.80	25.8	7.93	7.93	7.9	32.66	32.66	32.7	65.6	64.9	65.3	4.44	4.39	4.42
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:40		Middle	1.0	26.40	26.40	26.4	8.02	8.02	8.0	32.66	32.66	32.7	88.7	90.1	89.4	5.95	6.04	6.00
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	14:00		Middle	1.5	26.60	26.60	26.6	7.87	7.87	7.9	32.19	32.19	32.2	59.7	60.9	60.3	4.00	4.09	4.05
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16:44		Middle	1.5	27.90	27.90	27.9	7.87	7.87	7.9	30.25	30.25	30.3	68.9	67.3	68.1	4.57	4.47	4.52
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/6/2011	-	Sunny	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:15		Middle	1.5	29.59	29.59	29.6	6.53	6.53	6.5	29.13	29.13	29.1	65.0	64.5	64.8	4.21	4.18	4.20
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/6/2011	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11:45		Middle	1.5	27.40	27.40	27.4	7.89	7.89	7.9	29.60	29.60	29.6	56.5	56.2	56.4	3.78	3.76	3.77
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:45		Middle	1.5	28.20	28.20	28.2	7.96	7.96	8.0	28.32	28.32	28.3	72.8	73.1	73.0	4.85	4.88	4.87
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/6/2011	-	Rainy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:26		Middle	1.5	26.40	26.40	26.4	7.82	7.82	7.8	28.93	28.93	28.9	47.4	47.7	47.6	3.47	3.42	3.45
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:04		Middle	1.5	26.80	26.70	26.8	7.98	7.98	8.0	28.95	28.95	29.0	77.9	78.1	78.0	5.31	5.32	5.32
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:50		Middle	1.5	26.60	26.60	26.6	7.99	7.99	8.0	30.23	30.23	30.2	72.9	71.5	72.2	4.97	4.86	4.92
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:10		Middle	1.5	28.37	28.37	28.4	7.92	7.92	7.9	28.33	28.33	28.3	81.4	77.7	79.6	5.71	5.68	5.70
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks: Due to the enforcement of amber rainstorm warning on 11 June 2011, the water quality monitoring on 11 June 2011 at ebb tide was cancelled.

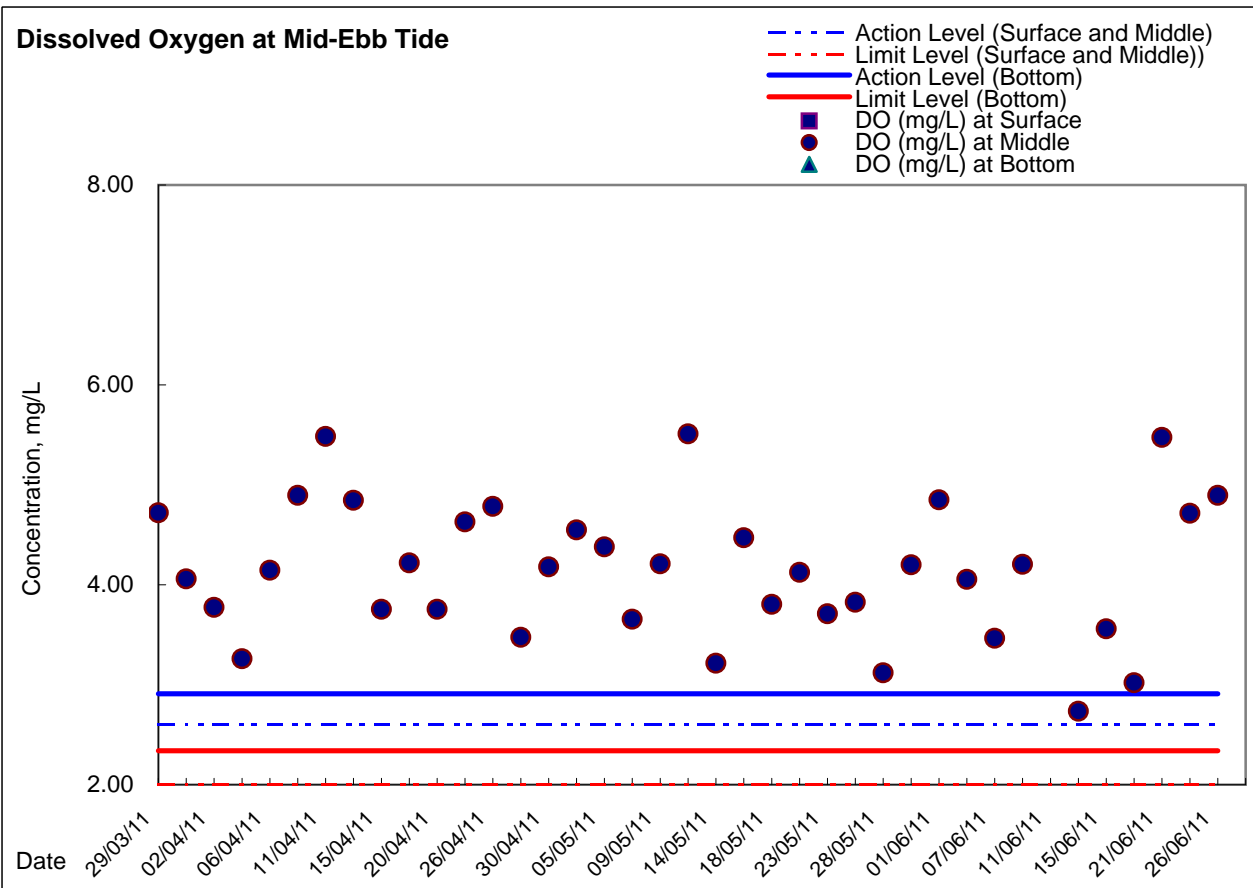
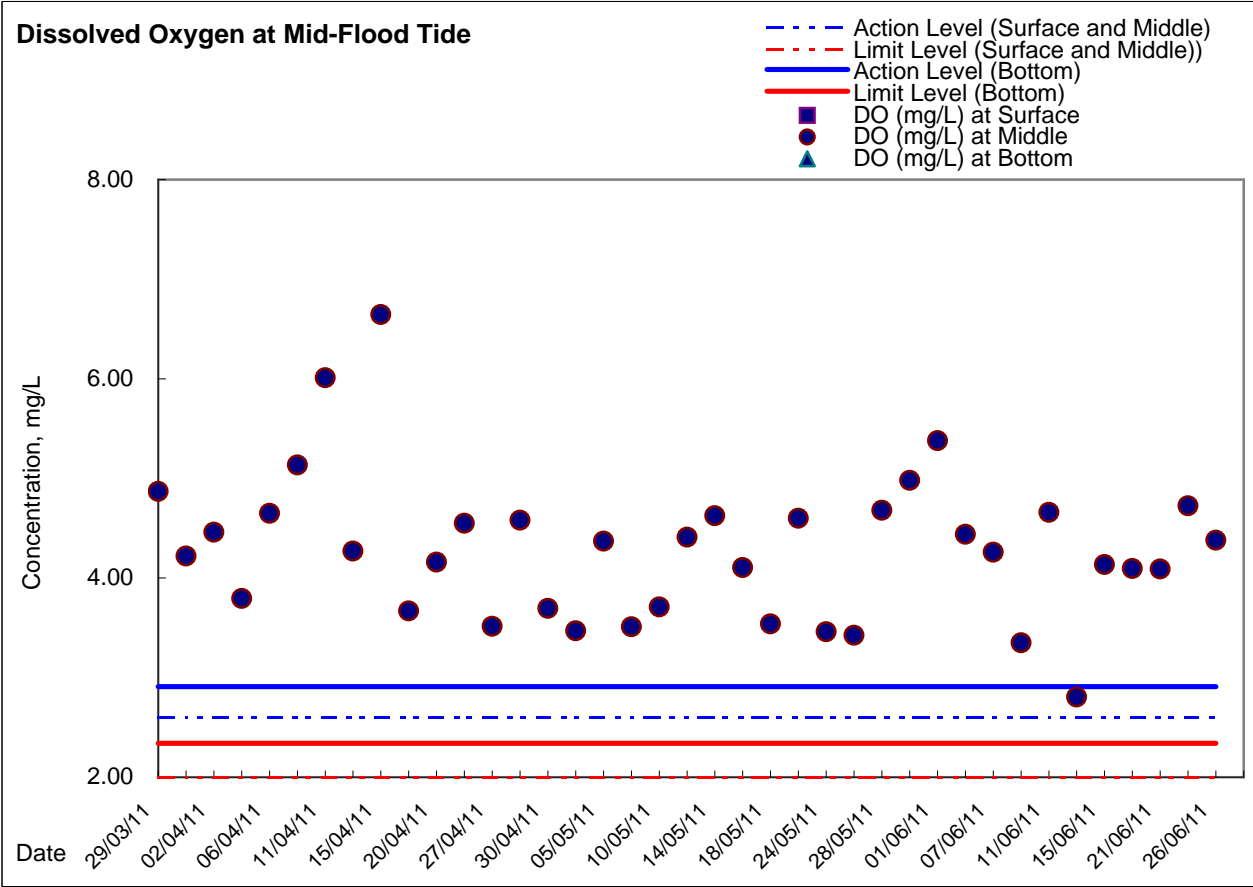


**Water Monitoring Result at Ex-WPCWA SE - South-eastern corners of ex-Public Cargo Works Area  
Mid-Ebb Tide**

Date	Time	Weather Condition	Sampling Depth m		Water Temperature °C			pH			Salinity ppt			DO Saturation %			DO mg/L			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average				
			Surface	Middle	Bottom	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average			
28/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10:41		Middle	1.0	25.70	25.70	25.7	7.87	7.87	7.9	32.41	32.41	32.4	48.5	47.5	48.0	3.30	3.21	3.26	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30/5/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:25		Middle	1.5	25.70	25.70	25.7	7.90	7.90	7.9	32.66	32.66	32.7	72.4	72.3	72.4	4.88	4.87	4.88	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12:35		Middle	1.0	26.20	26.20	26.2	8.00	8.00	8.0	32.02	32.02	32.0	76.8	75.9	76.4	5.17	5.11	5.14	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:55		Middle	1.0	26.70	26.70	26.7	7.89	7.89	7.9	32.18	32.18	32.2	68.0	68.4	68.2	4.54	4.59	4.57	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	16:35		Middle	1.0	27.60	27.60	27.6	7.89	7.89	7.9	30.20	30.20	30.2	56.0	56.5	56.3	3.74	3.77	3.76	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/6/2011	-	Sunny	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	17:05		Middle	1.5	29.88	29.88	29.9	6.60	6.60	6.6	29.13	29.13	29.1	62.2	60.9	61.6	4.02	3.93	3.98	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/6/2011	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11:40		Middle	1.5	27.40	27.40	27.4	7.90	7.90	7.9	29.58	29.58	29.6	58.2	60.2	59.2	3.96	4.14	4.05	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:40		Middle	1.5	27.90	27.90	27.9	7.90	7.90	7.9	28.42	28.42	28.4	66.2	66.1	66.2	4.43	4.42	4.43	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/6/2011	-	Rainy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10:21		Middle	1.5	26.30	26.30	26.3	7.85	7.85	7.9	28.97	28.97	29.0	49.9	49.7	49.8	3.66	3.65	3.66	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21/6/2011	-	Fine	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:00		Middle	1.5	26.60	26.60	26.6	7.91	7.91	7.9	29.03	29.03	29.0	76.1	76.4	76.3	5.16	5.18	5.17	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	13:45		Middle	1.5	26.50	26.50	26.5	8.06	8.06	8.1	30.30	30.30	30.3	72.9	71.6	72.3	4.95	4.86	4.91	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26/6/2011	-	Cloudy	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8:15		Middle	1.5	28.44	28.44	28.4	7.90	7.90	7.9	28.30	28.30	28.3	74.9	74.2	74.6	4.97	4.93	4.95	
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

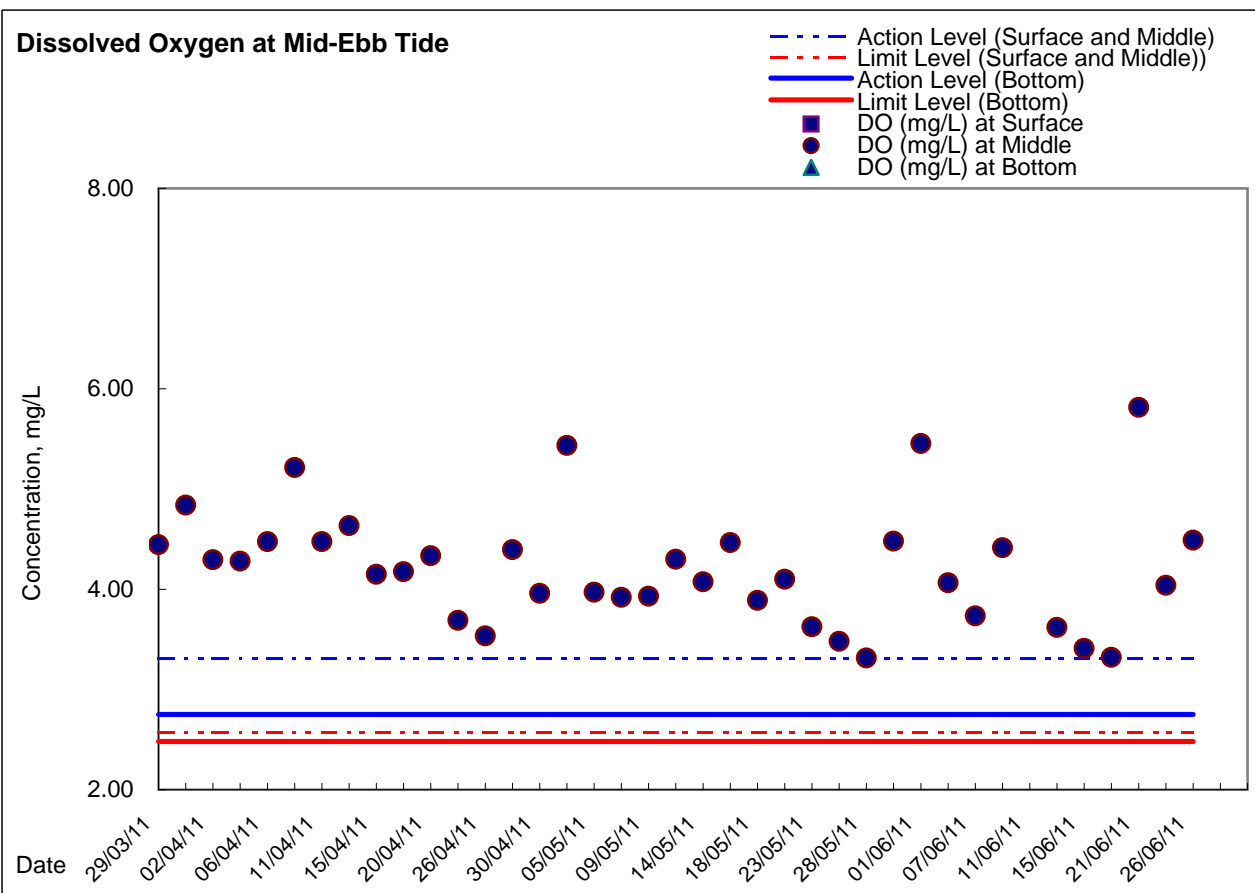
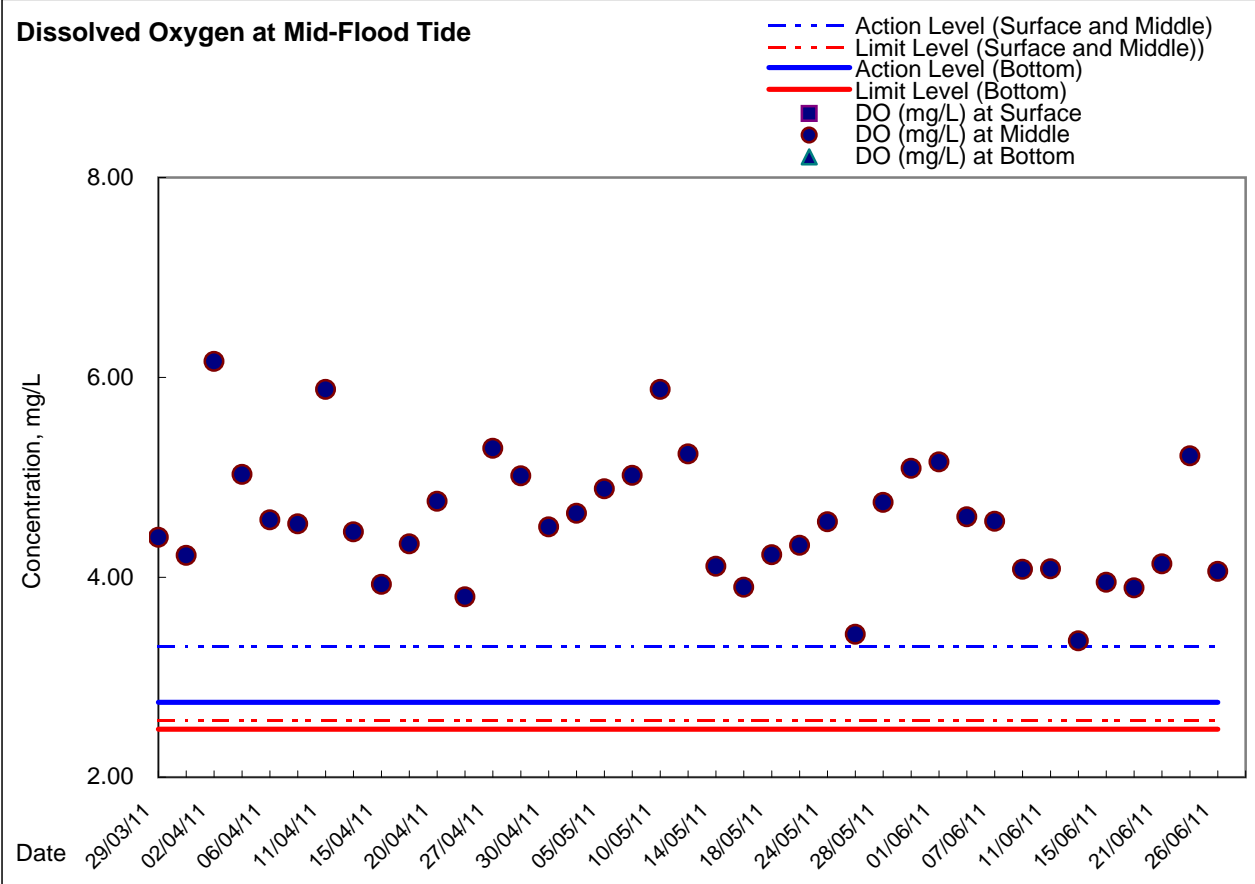
Remarks: Due to the enforcement of amber rainstorm warning on 11 June 2011, the water quality monitoring on 11 June 2011 at ebb tide was cancelled.

### Graphic Presentation of Enhanced Water Monitoring Results (DO) at C6 - Excelsior Hotel

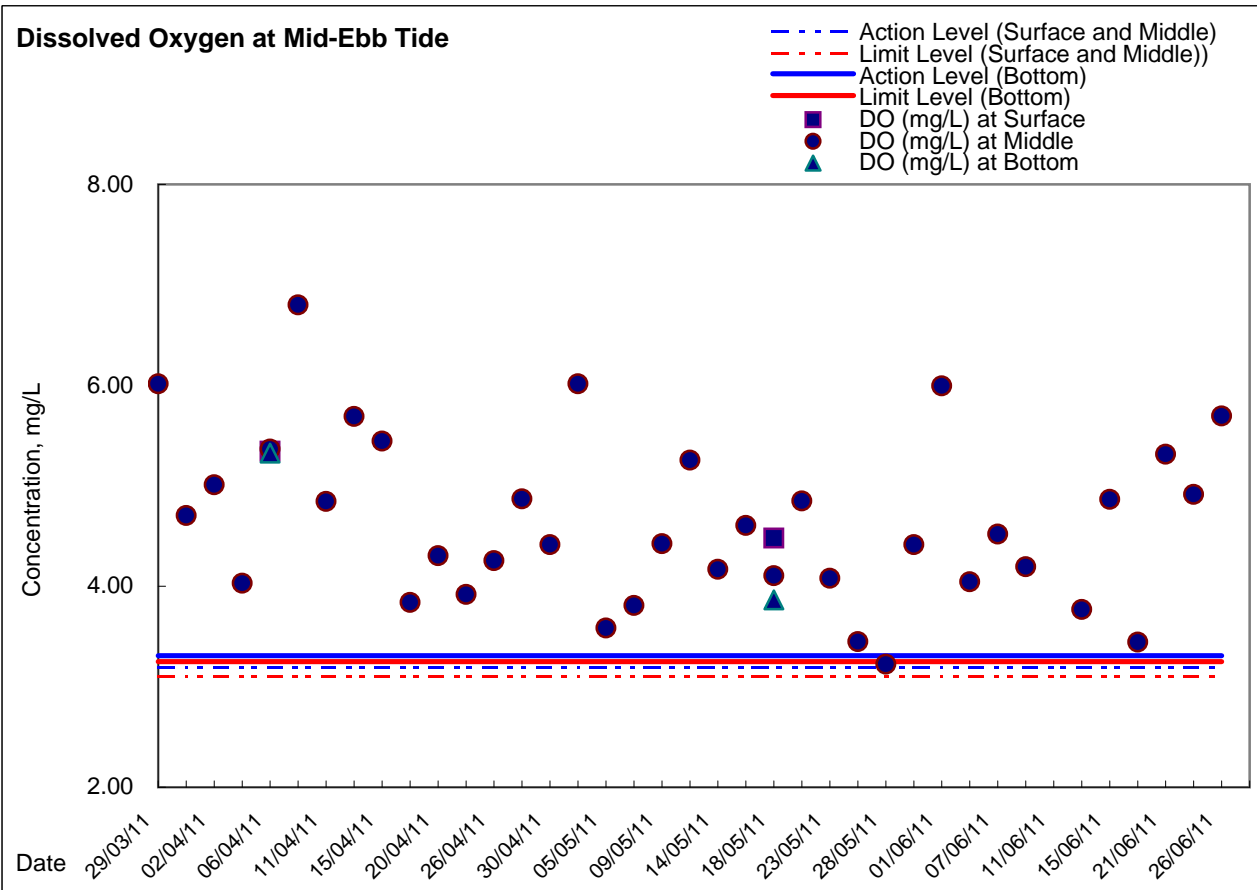
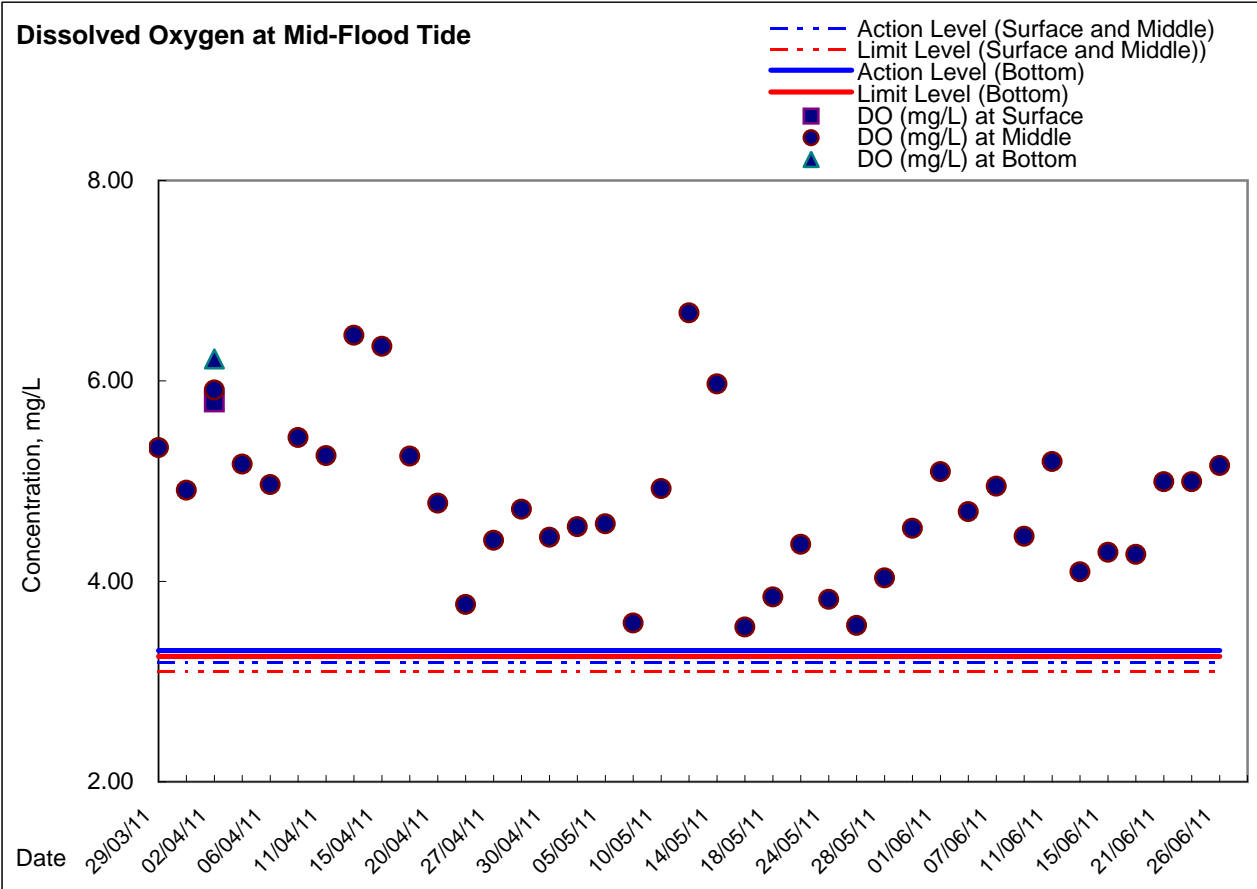




### Graphic Presentation of Enhanced Water Monitoring Results (DO) at C7 - Windsor House

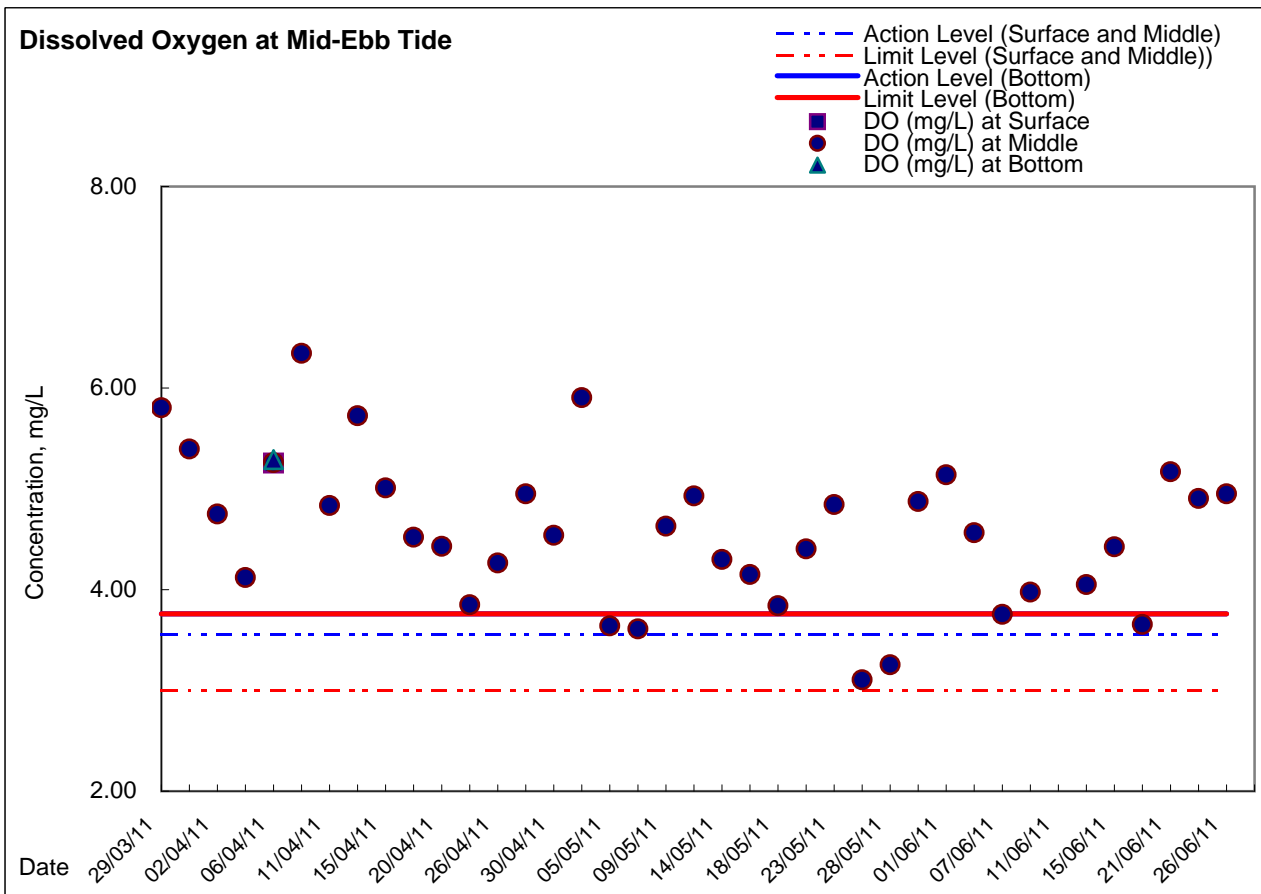
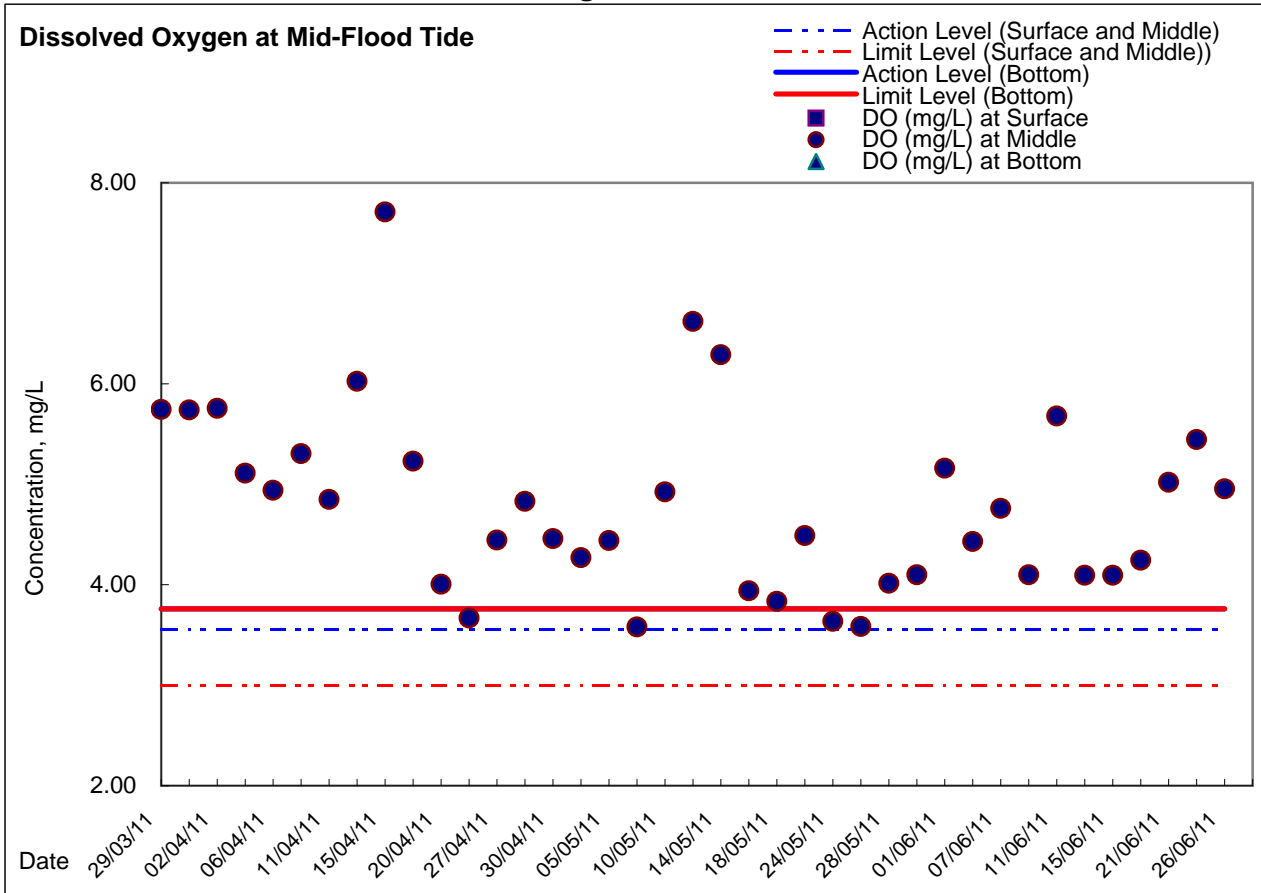


**Graphic Presentation of Enhanced Water Monitoring Results (DO) at Ex-WPCWA SW  
- South-western corners of ex-Public Cargo Works Area**





**Graphic Presentation of Enhanced Water Monitoring Results (DO) at Ex-WPCWA SE  
- South-eastern corners of ex-Public Cargo Works Area**

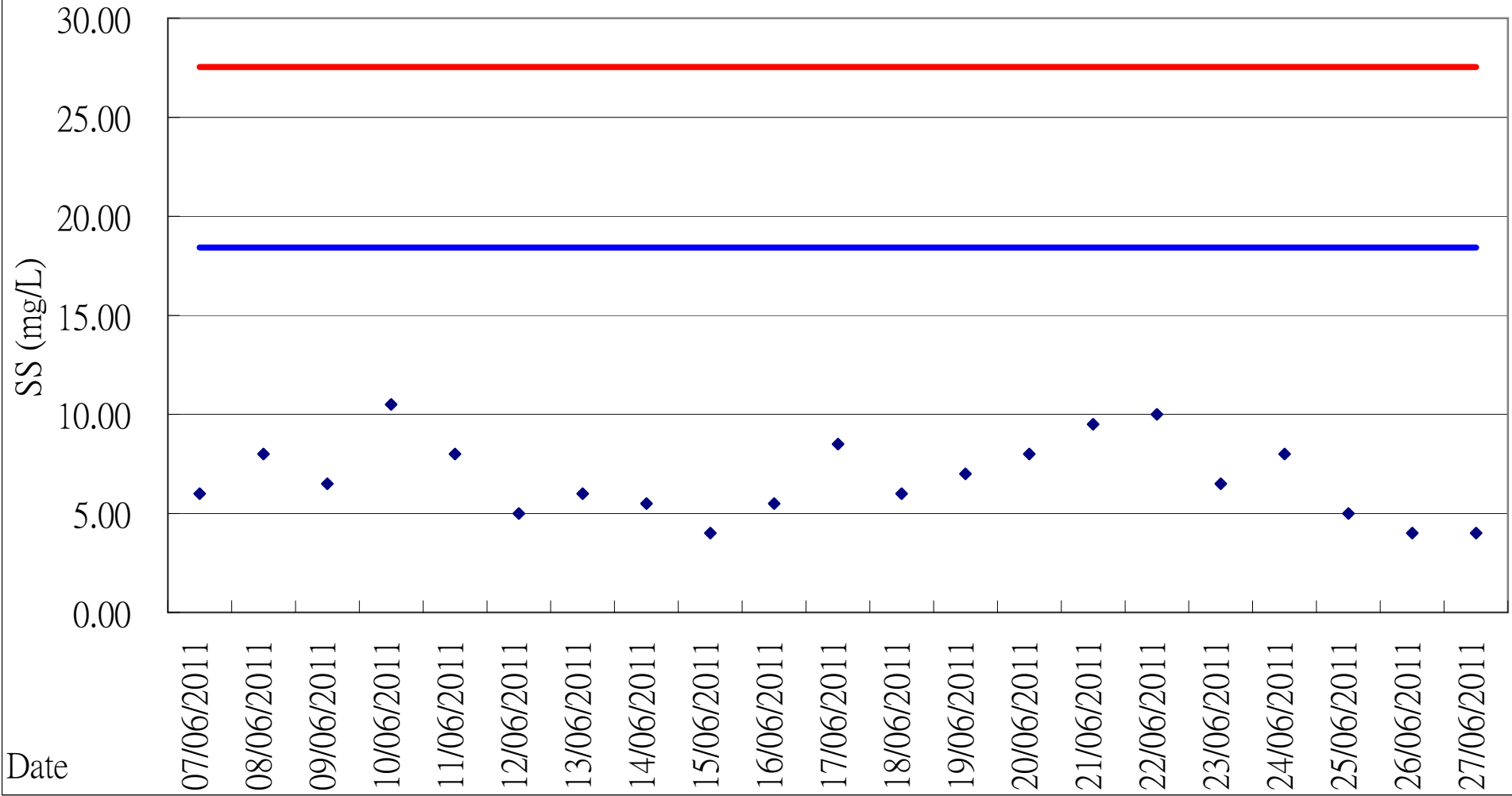


Date	Time	Weather Condition	Suspended Solids	
			mg/L	
			Value	Average
7/6/2011	17:35	Fine	7	6.00
	17:38		5	
8/6/2011	15:00	Sunny	9	8.00
	15:00		7	
9/6/2011	12:30	Sunny	7	6.50
	12:30		6	
10/6/2011	17:00	Fine	13	10.50
	17:00		8	
11/6/2011	16:10	Rainy	7	8.00
	16:10		9	
12/6/2011	16:00	Cloudy	5	5.00
	16:00		5	
13/6/2011	12:00	Fine	6	6.00
	12:00		6	
14/6/2011	11:30	Fine	5	5.50
	11:32		6	
15/6/2011	14:05	Fine	4	4.00
	14:05		4	
16/6/2011	11:40	Rainy	5	5.50
	11:40		6	
17/6/2011	10:40	Cloudy	9	8.50
	10:40		8	
18/6/2011	11:00	Cloudy	6	6.00
	11:03		6	
19/6/2011	15:00	Fine	8	7.00
	15:03		6	
20/6/2011	15:30	Sunny	8	8.00
	15:33		8	
21/6/2011	13:15	Fine	9	9.50
	13:18		10	
22/6/2011	13:00	Fine	11	10.00
	13:03		9	
23/6/2011	14:00	Cloudy	6	6.50
	14:03		7	
24/6/2011	8:45	Cloudy	8	8.00
	8:45		8	
25/6/2011	8:10	Cloudy	6	5.00
	8:10		4	
26/6/2011	8:30	Cloudy	4	4.00
	8:30		4	
27/6/2011	10:28	Cloudy	4	4.00
	10:28		4	



Daily SS Monitoring at C7 - Windsor House

- ◆ SS level (mg/L)
- Action Level
- Limit Level



## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
7/6/2011 0:00	4.82	7/6/2011 5:05	4.11	7/6/2011 10:10	4.74	7/6/2011 15:15	***	7/6/2011 20:20	5.52
7/6/2011 0:05	4.97	7/6/2011 5:10	4.47	7/6/2011 10:15	4.38	7/6/2011 15:20	***	7/6/2011 20:25	5.30
7/6/2011 0:10	4.54	7/6/2011 5:15	3.94	7/6/2011 10:20	4.34	7/6/2011 15:25	***	7/6/2011 20:30	5.30
7/6/2011 0:15	4.49	7/6/2011 5:20	4.25	7/6/2011 10:25	4.25	7/6/2011 15:30	***	7/6/2011 20:35	5.06
7/6/2011 0:20	4.80	7/6/2011 5:25	4.02	7/6/2011 10:30	4.23	7/6/2011 15:35	***	7/6/2011 20:40	5.08
7/6/2011 0:25	4.99	7/6/2011 5:30	4.25	7/6/2011 10:35	4.08	7/6/2011 15:40	***	7/6/2011 20:45	5.85
7/6/2011 0:30	4.55	7/6/2011 5:35	3.99	7/6/2011 10:40	4.21	7/6/2011 15:45	***	7/6/2011 20:50	5.58
7/6/2011 0:35	4.48	7/6/2011 5:40	4.04	7/6/2011 10:45	4.10	7/6/2011 15:50	***	7/6/2011 20:55	5.79
7/6/2011 0:40	4.67	7/6/2011 5:45	4.16	7/6/2011 10:50	4.35	7/6/2011 15:55	***	7/6/2011 21:00	5.25
7/6/2011 0:45	4.71	7/6/2011 5:50	3.91	7/6/2011 10:55	4.57	7/6/2011 16:00	***	7/6/2011 21:05	5.21
7/6/2011 0:50	4.86	7/6/2011 5:55	4.04	7/6/2011 11:00	4.90	7/6/2011 16:05	***	7/6/2011 21:10	5.55
7/6/2011 0:55	5.05	7/6/2011 6:00	4.05	7/6/2011 11:05	5.06	7/6/2011 16:10	***	7/6/2011 21:15	5.45
7/6/2011 1:00	4.62	7/6/2011 6:05	4.26	7/6/2011 11:10	5.12	7/6/2011 16:15	***	7/6/2011 21:20	5.27
7/6/2011 1:05	4.86	7/6/2011 6:10	3.88	7/6/2011 11:15	5.19	7/6/2011 16:20	***	7/6/2011 21:25	5.10
7/6/2011 1:10	4.85	7/6/2011 6:15	4.31	7/6/2011 11:20	5.39	7/6/2011 16:25	***	7/6/2011 21:30	4.98
7/6/2011 1:15	4.94	7/6/2011 6:20	4.11	7/6/2011 11:25	5.08	7/6/2011 16:30	***	7/6/2011 21:35	4.77
7/6/2011 1:20	5.05	7/6/2011 6:25	4.17	7/6/2011 11:30	5.50	7/6/2011 16:35	***	7/6/2011 21:40	5.00
7/6/2011 1:25	4.77	7/6/2011 6:30	4.39	7/6/2011 11:35	5.62	7/6/2011 16:40	***	7/6/2011 21:45	5.14
7/6/2011 1:30	4.65	7/6/2011 6:35	7.92	7/6/2011 11:40	5.42	7/6/2011 16:45	***	7/6/2011 21:50	5.39
7/6/2011 1:35	4.53	7/6/2011 6:40	7.17	7/6/2011 11:45	4.94	7/6/2011 16:50	***	7/6/2011 21:55	5.26
7/6/2011 1:40	4.42	7/6/2011 6:45	6.19	7/6/2011 11:50	5.25	7/6/2011 16:55	***	7/6/2011 22:00	5.47
7/6/2011 1:45	4.27	7/6/2011 6:50	5.55	7/6/2011 11:55	5.52	7/6/2011 17:00	***	7/6/2011 22:05	5.15
7/6/2011 1:50	4.46	7/6/2011 6:55	6.16	7/6/2011 12:00	6.12	7/6/2011 17:05	***	7/6/2011 22:10	5.01
7/6/2011 1:55	4.32	7/6/2011 7:00	5.92	7/6/2011 12:05	6.32	7/6/2011 17:10	***	7/6/2011 22:15	5.07
7/6/2011 2:00	4.34	7/6/2011 7:05	5.42	7/6/2011 12:10	5.68	7/6/2011 17:15	***	7/6/2011 22:20	5.14
7/6/2011 2:05	4.28	7/6/2011 7:10	5.37	7/6/2011 12:15	5.88	7/6/2011 17:20	***	7/6/2011 22:25	4.78
7/6/2011 2:10	4.16	7/6/2011 7:15	5.26	7/6/2011 12:20	5.60	7/6/2011 17:25	***	7/6/2011 22:30	4.85
7/6/2011 2:15	4.06	7/6/2011 7:20	4.96	7/6/2011 12:25	5.07	7/6/2011 17:30	***	7/6/2011 22:35	5.10
7/6/2011 2:20	3.95	7/6/2011 7:25	5.07	7/6/2011 12:30	4.71	7/6/2011 17:35	***	7/6/2011 22:40	5.02
7/6/2011 2:25	4.30	7/6/2011 7:30	5.26	7/6/2011 12:35	5.29	7/6/2011 17:40	***	7/6/2011 22:45	4.94
7/6/2011 2:30	4.28	7/6/2011 7:35	5.28	7/6/2011 12:40	5.26	7/6/2011 17:45	***	7/6/2011 22:50	4.58
7/6/2011 2:35	3.79	7/6/2011 7:40	5.09	7/6/2011 12:45	5.06	7/6/2011 17:50	***	7/6/2011 22:55	4.70
7/6/2011 2:40	3.93	7/6/2011 7:45	4.76	7/6/2011 12:50	4.85	7/6/2011 17:55	***	7/6/2011 23:00	4.39
7/6/2011 2:45	3.83	7/6/2011 7:50	4.75	7/6/2011 12:55	4.77	7/6/2011 18:00	***	7/6/2011 23:05	4.31
7/6/2011 2:50	4.47	7/6/2011 7:55	5.15	7/6/2011 13:00	4.84	7/6/2011 18:05	***	7/6/2011 23:10	4.20
7/6/2011 2:55	3.89	7/6/2011 8:00	5.33	7/6/2011 13:05	4.53	7/6/2011 18:10	***	7/6/2011 23:15	4.46
7/6/2011 3:00	4.23	7/6/2011 8:05	5.00	7/6/2011 13:10	4.37	7/6/2011 18:15	6.57	7/6/2011 23:20	4.51
7/6/2011 3:05	4.06	7/6/2011 8:10	5.24	7/6/2011 13:15	4.13	7/6/2011 18:20	5.35	7/6/2011 23:25	4.60
7/6/2011 3:10	3.85	7/6/2011 8:15	4.88	7/6/2011 13:20	4.49	7/6/2011 18:25	5.03	7/6/2011 23:30	4.63
7/6/2011 3:15	3.97	7/6/2011 8:20	4.82	7/6/2011 13:25	4.60	7/6/2011 18:30	5.31	7/6/2011 23:35	4.39
7/6/2011 3:20	3.85	7/6/2011 8:25	4.63	7/6/2011 13:30	4.46	7/6/2011 18:35	5.41	7/6/2011 23:40	4.19
7/6/2011 3:25	4.80	7/6/2011 8:30	4.32	7/6/2011 13:35	4.65	7/6/2011 18:40	6.43	7/6/2011 23:45	4.34
7/6/2011 3:30	4.29	7/6/2011 8:35	4.47	7/6/2011 13:40	4.57	7/6/2011 18:45	6.40	7/6/2011 23:50	4.24
7/6/2011 3:35	5.08	7/6/2011 8:40	4.57	7/6/2011 13:45	4.65	7/6/2011 18:50	5.91	7/6/2011 23:55	4.11
7/6/2011 3:40	4.01	7/6/2011 8:45	4.61	7/6/2011 13:50	4.48	7/6/2011 18:55	6.03	8/6/2011 0:00	4.16
7/6/2011 3:45	4.60	7/6/2011 8:50	4.42	7/6/2011 13:55	4.67	7/6/2011 19:00	5.50	8/6/2011 0:05	4.34
7/6/2011 3:50	4.68	7/6/2011 8:55	4.43	7/6/2011 14:00	4.57	7/6/2011 19:05	6.30	8/6/2011 0:10	4.48
7/6/2011 3:55	4.21	7/6/2011 9:00	4.36	7/6/2011 14:05	4.53	7/6/2011 19:10	5.83	8/6/2011 0:15	4.42
7/6/2011 4:00	4.40	7/6/2011 9:05	4.30	7/6/2011 14:10	4.53	7/6/2011 19:15	5.18	8/6/2011 0:20	4.61
7/6/2011 4:05	4.42	7/6/2011 9:10	4.50	7/6/2011 14:15	4.62	7/6/2011 19:20	5.39	8/6/2011 0:25	4.68
7/6/2011 4:10	4.44	7/6/2011 9:15	4.51	7/6/2011 14:20	4.42	7/6/2011 19:25	5.39	8/6/2011 0:30	4.80
7/6/2011 4:15	4.13	7/6/2011 9:20	4.41	7/6/2011 14:25	5.09	7/6/2011 19:30	5.22	8/6/2011 0:35	4.60
7/6/2011 4:20	4.20	7/6/2011 9:25	4.20	7/6/2011 14:30	5.03	7/6/2011 19:35	5.00	8/6/2011 0:40	4.34
7/6/2011 4:25	4.65	7/6/2011 9:30	4.23	7/6/2011 14:35	4.94	7/6/2011 19:40	5.10	8/6/2011 0:45	5.07
7/6/2011 4:30	4.22	7/6/2011 9:35	4.14	7/6/2011 14:40	***	7/6/2011 19:45	5.80	8/6/2011 0:50	4.96
7/6/2011 4:35	4.24	7/6/2011 9:40	4.19	7/6/2011 14:45	***	7/6/2011 19:50	5.04	8/6/2011 0:55	5.03
7/6/2011 4:40	4.59	7/6/2011 9:45	4.02	7/6/2011 14:50	***	7/6/2011 19:55	6.46	8/6/2011 1:00	4.98
7/6/2011 4:45	4.22	7/6/2011 9:50	4.13	7/6/2011 14:55	***	7/6/2011 20:00	6.08	8/6/2011 1:05	4.80
7/6/2011 4:50	4.50	7/6/2011 9:55	3.92	7/6/2011 15:00	***	7/6/2011 20:05	6.15	8/6/2011 1:10	4.76
7/6/2011 4:55	4.36	7/6/2011 10:00	4.05	7/6/2011 15:05	***	7/6/2011 20:10	6.11	8/6/2011 1:15	4.35
7/6/2011 5:00	4.14	7/6/2011 10:05	4.28	7/6/2011 15:10	***	7/6/2011 20:15	5.77	8/6/2011 1:20	4.48

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
8/6/2011 1:25	4.63	8/6/2011 6:30	3.77	8/6/2011 11:35	4.23	8/6/2011 16:40	4.30	8/6/2011 21:45	5.71
8/6/2011 1:30	4.79	8/6/2011 6:35	6.00	8/6/2011 11:40	4.46	8/6/2011 16:45	4.20	8/6/2011 21:50	4.96
8/6/2011 1:35	4.77	8/6/2011 6:40	5.77	8/6/2011 11:45	4.38	8/6/2011 16:50	4.08	8/6/2011 21:55	6.24
8/6/2011 1:40	4.48	8/6/2011 6:45	6.48	8/6/2011 11:50	4.30	8/6/2011 16:55	3.96	8/6/2011 22:00	6.18
8/6/2011 1:45	4.55	8/6/2011 6:50	6.06	8/6/2011 11:55	4.50	8/6/2011 17:00	3.93	8/6/2011 22:05	5.80
8/6/2011 1:50	4.28	8/6/2011 6:55	6.08	8/6/2011 12:00	4.21	8/6/2011 17:05	3.85	8/6/2011 22:10	6.08
8/6/2011 1:55	4.30	8/6/2011 7:00	5.56	8/6/2011 12:05	4.05	8/6/2011 17:10	4.19	8/6/2011 22:15	6.04
8/6/2011 2:00	4.21	8/6/2011 7:05	5.62	8/6/2011 12:10	4.32	8/6/2011 17:15	4.35	8/6/2011 22:20	5.87
8/6/2011 2:05	4.24	8/6/2011 7:10	5.29	8/6/2011 12:15	4.20	8/6/2011 17:20	4.73	8/6/2011 22:25	5.42
8/6/2011 2:10	4.39	8/6/2011 7:15	5.01	8/6/2011 12:20	4.36	8/6/2011 17:25	4.97	8/6/2011 22:30	5.10
8/6/2011 2:15	4.18	8/6/2011 7:20	4.66	8/6/2011 12:25	4.90	8/6/2011 17:30	4.84	8/6/2011 22:35	5.17
8/6/2011 2:20	4.39	8/6/2011 7:25	4.97	8/6/2011 12:30	4.70	8/6/2011 17:35	4.85	8/6/2011 22:40	4.88
8/6/2011 2:25	4.19	8/6/2011 7:30	5.71	8/6/2011 12:35	4.43	8/6/2011 17:40	4.48	8/6/2011 22:45	5.23
8/6/2011 2:30	4.23	8/6/2011 7:35	5.08	8/6/2011 12:40	4.36	8/6/2011 17:45	4.72	8/6/2011 22:50	4.98
8/6/2011 2:35	4.04	8/6/2011 7:40	5.15	8/6/2011 12:45	4.29	8/6/2011 17:50	4.68	8/6/2011 22:55	4.85
8/6/2011 2:40	4.16	8/6/2011 7:45	5.13	8/6/2011 12:50	4.21	8/6/2011 17:55	4.76	8/6/2011 23:00	5.16
8/6/2011 2:45	3.82	8/6/2011 7:50	4.81	8/6/2011 12:55	4.18	8/6/2011 18:00	4.53	8/6/2011 23:05	5.34
8/6/2011 2:50	3.97	8/6/2011 7:55	4.62	8/6/2011 13:00	4.41	8/6/2011 18:05	4.66	8/6/2011 23:10	5.18
8/6/2011 2:55	3.92	8/6/2011 8:00	4.57	8/6/2011 13:05	4.52	8/6/2011 18:10	4.92	8/6/2011 23:15	5.15
8/6/2011 3:00	3.97	8/6/2011 8:05	4.24	8/6/2011 13:10	5.17	8/6/2011 18:15	5.53	8/6/2011 23:20	4.92
8/6/2011 3:05	4.09	8/6/2011 8:10	4.33	8/6/2011 13:15	5.73	8/6/2011 18:20	5.04	8/6/2011 23:25	5.03
8/6/2011 3:10	3.88	8/6/2011 8:15	4.59	8/6/2011 13:20	5.54	8/6/2011 18:25	4.99	8/6/2011 23:30	4.77
8/6/2011 3:15	4.00	8/6/2011 8:20	5.45	8/6/2011 13:25	4.82	8/6/2011 18:30	5.05	8/6/2011 23:35	4.69
8/6/2011 3:20	3.84	8/6/2011 8:25	4.65	8/6/2011 13:30	4.90	8/6/2011 18:35	5.12	8/6/2011 23:40	4.66
8/6/2011 3:25	3.98	8/6/2011 8:30	5.01	8/6/2011 13:35	4.78	8/6/2011 18:40	4.90	8/6/2011 23:45	4.66
8/6/2011 3:30	3.82	8/6/2011 8:35	5.25	8/6/2011 13:40	4.46	8/6/2011 18:45	4.58	8/6/2011 23:50	4.49
8/6/2011 3:35	3.82	8/6/2011 8:40	4.77	8/6/2011 13:45	4.67	8/6/2011 18:50	4.56	8/6/2011 23:55	4.40
8/6/2011 3:40	4.03	8/6/2011 8:45	4.89	8/6/2011 13:50	4.34	8/6/2011 18:55	4.67	9/6/2011 0:00	4.33
8/6/2011 3:45	4.18	8/6/2011 8:50	5.11	8/6/2011 13:55	4.78	8/6/2011 19:00	4.69	9/6/2011 0:05	4.22
8/6/2011 3:50	4.25	8/6/2011 8:55	4.90	8/6/2011 14:00	4.79	8/6/2011 19:05	4.83	9/6/2011 0:10	4.26
8/6/2011 3:55	4.21	8/6/2011 9:00	4.77	8/6/2011 14:05	4.49	8/6/2011 19:10	5.11	9/6/2011 0:15	4.35
8/6/2011 4:00	4.24	8/6/2011 9:05	5.51	8/6/2011 14:10	4.41	8/6/2011 19:15	4.68	9/6/2011 0:20	4.17
8/6/2011 4:05	4.22	8/6/2011 9:10	6.52	8/6/2011 14:15	4.83	8/6/2011 19:20	4.66	9/6/2011 0:25	4.22
8/6/2011 4:10	4.15	8/6/2011 9:15	5.74	8/6/2011 14:20	4.63	8/6/2011 19:25	4.74	9/6/2011 0:30	4.26
8/6/2011 4:15	3.99	8/6/2011 9:20	5.28	8/6/2011 14:25	4.59	8/6/2011 19:30	4.74	9/6/2011 0:35	4.13
8/6/2011 4:20	4.27	8/6/2011 9:25	5.25	8/6/2011 14:30	4.59	8/6/2011 19:35	4.85	9/6/2011 0:40	4.24
8/6/2011 4:25	3.90	8/6/2011 9:30	4.91	8/6/2011 14:35	4.35	8/6/2011 19:40	4.94	9/6/2011 0:45	4.39
8/6/2011 4:30	4.13	8/6/2011 9:35	4.54	8/6/2011 14:40	4.45	8/6/2011 19:45	5.41	9/6/2011 0:50	4.35
8/6/2011 4:35	4.10	8/6/2011 9:40	4.35	8/6/2011 14:45	4.25	8/6/2011 19:50	4.92	9/6/2011 0:55	4.23
8/6/2011 4:40	4.03	8/6/2011 9:45	4.32	8/6/2011 14:50	4.44	8/6/2011 19:55	4.75	9/6/2011 1:00	4.28
8/6/2011 4:45	3.99	8/6/2011 9:50	4.47	8/6/2011 14:55	4.33	8/6/2011 20:00	4.83	9/6/2011 1:05	4.31
8/6/2011 4:50	3.92	8/6/2011 9:55	4.61	8/6/2011 15:00	4.36	8/6/2011 20:05	4.50	9/6/2011 1:10	4.85
8/6/2011 4:55	3.87	8/6/2011 10:00	4.29	8/6/2011 15:05	4.36	8/6/2011 20:10	4.58	9/6/2011 1:15	4.82
8/6/2011 5:00	3.96	8/6/2011 10:05	4.36	8/6/2011 15:10	4.46	8/6/2011 20:15	5.06	9/6/2011 1:20	4.61
8/6/2011 5:05	3.78	8/6/2011 10:10	4.17	8/6/2011 15:15	4.58	8/6/2011 20:20	5.13	9/6/2011 1:25	4.41
8/6/2011 5:10	3.76	8/6/2011 10:15	4.14	8/6/2011 15:20	4.35	8/6/2011 20:25	4.93	9/6/2011 1:30	4.27
8/6/2011 5:15	3.80	8/6/2011 10:20	3.98	8/6/2011 15:25	4.34	8/6/2011 20:30	5.40	9/6/2011 1:35	4.41
8/6/2011 5:20	3.84	8/6/2011 10:25	4.06	8/6/2011 15:30	4.31	8/6/2011 20:35	5.40	9/6/2011 1:40	4.42
8/6/2011 5:25	3.79	8/6/2011 10:30	4.13	8/6/2011 15:35	4.05	8/6/2011 20:40	5.18	9/6/2011 1:45	4.40
8/6/2011 5:30	3.92	8/6/2011 10:35	4.04	8/6/2011 15:40	4.30	8/6/2011 20:45	4.65	9/6/2011 1:50	4.41
8/6/2011 5:35	3.87	8/6/2011 10:40	4.14	8/6/2011 15:45	4.36	8/6/2011 20:50	4.73	9/6/2011 1:55	4.17
8/6/2011 5:40	3.82	8/6/2011 10:45	4.45	8/6/2011 15:50	4.42	8/6/2011 20:55	6.13	9/6/2011 2:00	4.36
8/6/2011 5:45	3.87	8/6/2011 10:50	4.55	8/6/2011 15:55	4.61	8/6/2011 21:00	5.20	9/6/2011 2:05	4.05
8/6/2011 5:50	3.81	8/6/2011 10:55	4.36	8/6/2011 16:00	4.15	8/6/2011 21:05	5.20	9/6/2011 2:10	4.12
8/6/2011 5:55	3.69	8/6/2011 11:00	4.24	8/6/2011 16:05	4.13	8/6/2011 21:10	5.21	9/6/2011 2:15	4.17
8/6/2011 6:00	3.78	8/6/2011 11:05	4.55	8/6/2011 16:10	4.34	8/6/2011 21:15	5.43	9/6/2011 2:20	4.17
8/6/2011 6:05	3.80	8/6/2011 11:10	5.14	8/6/2011 16:15	3.93	8/6/2011 21:20	5.44	9/6/2011 2:25	4.01
8/6/2011 6:10	3.87	8/6/2011 11:15	4.95	8/6/2011 16:20	4.04	8/6/2011 21:25	5.19	9/6/2011 2:30	3.99
8/6/2011 6:15	3.78	8/6/2011 11:20	4.70	8/6/2011 16:25	4.64	8/6/2011 21:30	5.10	9/6/2011 2:35	4.07
8/6/2011 6:20	4.10	8/6/2011 11:25	4.62	8/6/2011 16:30	4.35	8/6/2011 21:35	4.95	9/6/2011 2:40	4.15
8/6/2011 6:25	4.10	8/6/2011 11:30	4.41	8/6/2011 16:35	4.42	8/6/2011 21:40	5.27	9/6/2011 2:45	3.90

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
9/6/2011 2:50	4.06	9/6/2011 7:55	5.47	9/6/2011 13:00	5.04	9/6/2011 18:05	5.03	9/6/2011 23:10	5.33
9/6/2011 2:55	3.92	9/6/2011 8:00	5.44	9/6/2011 13:05	5.05	9/6/2011 18:10	4.63	9/6/2011 23:15	5.27
9/6/2011 3:00	4.00	9/6/2011 8:05	4.93	9/6/2011 13:10	4.87	9/6/2011 18:15	4.85	9/6/2011 23:20	5.02
9/6/2011 3:05	3.99	9/6/2011 8:10	4.92	9/6/2011 13:15	4.64	9/6/2011 18:20	5.11	9/6/2011 23:25	5.20
9/6/2011 3:10	3.99	9/6/2011 8:15	4.92	9/6/2011 13:20	4.90	9/6/2011 18:25	5.26	9/6/2011 23:30	5.52
9/6/2011 3:15	4.09	9/6/2011 8:20	4.72	9/6/2011 13:25	4.98	9/6/2011 18:30	4.98	9/6/2011 23:35	5.25
9/6/2011 3:20	4.11	9/6/2011 8:25	4.72	9/6/2011 13:30	4.60	9/6/2011 18:35	4.91	9/6/2011 23:40	5.25
9/6/2011 3:25	4.06	9/6/2011 8:30	4.86	9/6/2011 13:35	4.64	9/6/2011 18:40	5.05	9/6/2011 23:45	4.91
9/6/2011 3:30	3.99	9/6/2011 8:35	5.01	9/6/2011 13:40	6.23	9/6/2011 18:45	5.01	9/6/2011 23:50	5.38
9/6/2011 3:35	3.95	9/6/2011 8:40	4.99	9/6/2011 13:45	6.21	9/6/2011 18:50	5.12	9/6/2011 23:55	5.51
9/6/2011 3:40	3.87	9/6/2011 8:45	4.83	9/6/2011 13:50	5.67	9/6/2011 18:55	5.28	10/6/2011 0:00	5.44
9/6/2011 3:45	4.17	9/6/2011 8:50	4.70	9/6/2011 13:55	5.50	9/6/2011 19:00	4.89	10/6/2011 0:05	5.14
9/6/2011 3:50	3.94	9/6/2011 8:55	4.94	9/6/2011 14:00	5.34	9/6/2011 19:05	4.88	10/6/2011 0:10	5.04
9/6/2011 3:55	4.10	9/6/2011 9:00	4.60	9/6/2011 14:05	5.30	9/6/2011 19:10	5.33	10/6/2011 0:15	4.75
9/6/2011 4:00	3.82	9/6/2011 9:05	5.18	9/6/2011 14:10	5.52	9/6/2011 19:15	5.43	10/6/2011 0:20	4.86
9/6/2011 4:05	4.08	9/6/2011 9:10	4.67	9/6/2011 14:15	5.01	9/6/2011 19:20	5.22	10/6/2011 0:25	5.07
9/6/2011 4:10	3.84	9/6/2011 9:15	4.66	9/6/2011 14:20	7.59	9/6/2011 19:25	5.37	10/6/2011 0:30	4.68
9/6/2011 4:15	4.01	9/6/2011 9:20	4.98	9/6/2011 14:25	5.80	9/6/2011 19:30	5.07	10/6/2011 0:35	4.61
9/6/2011 4:20	3.87	9/6/2011 9:25	4.81	9/6/2011 14:30	6.16	9/6/2011 19:35	5.05	10/6/2011 0:40	5.15
9/6/2011 4:25	4.09	9/6/2011 9:30	4.70	9/6/2011 14:35	6.46	9/6/2011 19:40	5.06	10/6/2011 0:45	4.52
9/6/2011 4:30	3.98	9/6/2011 9:35	4.83	9/6/2011 14:40	6.21	9/6/2011 19:45	4.98	10/6/2011 0:50	4.63
9/6/2011 4:35	4.32	9/6/2011 9:40	5.07	9/6/2011 14:45	5.45	9/6/2011 19:50	4.97	10/6/2011 0:55	4.65
9/6/2011 4:40	4.23	9/6/2011 9:45	6.70	9/6/2011 14:50	5.32	9/6/2011 19:55	4.96	10/6/2011 1:00	4.49
9/6/2011 4:45	4.28	9/6/2011 9:50	7.10	9/6/2011 14:55	5.11	9/6/2011 20:00	5.05	10/6/2011 1:05	4.28
9/6/2011 4:50	4.07	9/6/2011 9:55	7.74	9/6/2011 15:00	4.77	9/6/2011 20:05	5.03	10/6/2011 1:10	4.83
9/6/2011 4:55	3.90	9/6/2011 10:00	6.46	9/6/2011 15:05	4.70	9/6/2011 20:10	5.20	10/6/2011 1:15	4.57
9/6/2011 5:00	3.93	9/6/2011 10:05	6.43	9/6/2011 15:10	4.64	9/6/2011 20:15	5.09	10/6/2011 1:20	4.42
9/6/2011 5:05	3.98	9/6/2011 10:10	8.36	9/6/2011 15:15	5.19	9/6/2011 20:20	5.48	10/6/2011 1:25	4.24
9/6/2011 5:10	3.79	9/6/2011 10:15	8.49	9/6/2011 15:20	5.22	9/6/2011 20:25	7.22	10/6/2011 1:30	4.16
9/6/2011 5:15	3.93	9/6/2011 10:20	7.87	9/6/2011 15:25	5.40	9/6/2011 20:30	6.72	10/6/2011 1:35	3.93
9/6/2011 5:20	4.02	9/6/2011 10:25	7.58	9/6/2011 15:30	5.06	9/6/2011 20:35	7.18	10/6/2011 1:40	4.02
9/6/2011 5:25	4.26	9/6/2011 10:30	7.57	9/6/2011 15:35	5.40	9/6/2011 20:40	6.31	10/6/2011 1:45	3.94
9/6/2011 5:30	4.11	9/6/2011 10:35	6.87	9/6/2011 15:40	4.87	9/6/2011 20:45	5.52	10/6/2011 1:50	4.03
9/6/2011 5:35	4.00	9/6/2011 10:40	7.02	9/6/2011 15:45	4.77	9/6/2011 20:50	5.68	10/6/2011 1:55	3.98
9/6/2011 5:40	3.97	9/6/2011 10:45	6.26	9/6/2011 15:50	4.79	9/6/2011 20:55	5.51	10/6/2011 2:00	3.95
9/6/2011 5:45	3.92	9/6/2011 10:50	6.01	9/6/2011 15:55	4.72	9/6/2011 21:00	5.66	10/6/2011 2:05	4.10
9/6/2011 5:50	3.88	9/6/2011 10:55	5.64	9/6/2011 16:00	4.83	9/6/2011 21:05	5.82	10/6/2011 2:10	4.24
9/6/2011 5:55	3.87	9/6/2011 11:00	6.14	9/6/2011 16:05	4.74	9/6/2011 21:10	5.97	10/6/2011 2:15	4.20
9/6/2011 6:00	3.85	9/6/2011 11:05	5.81	9/6/2011 16:10	4.82	9/6/2011 21:15	5.22	10/6/2011 2:20	4.94
9/6/2011 6:05	3.93	9/6/2011 11:10	6.85	9/6/2011 16:15	4.86	9/6/2011 21:20	5.83	10/6/2011 2:25	4.59
9/6/2011 6:10	3.92	9/6/2011 11:15	6.86	9/6/2011 16:20	5.30	9/6/2011 21:25	5.44	10/6/2011 2:30	4.59
9/6/2011 6:15	4.09	9/6/2011 11:20	6.20	9/6/2011 16:25	5.25	9/6/2011 21:30	5.44	10/6/2011 2:35	4.56
9/6/2011 6:20	4.07	9/6/2011 11:25	5.94	9/6/2011 16:30	5.37	9/6/2011 21:35	5.12	10/6/2011 2:40	4.50
9/6/2011 6:25	3.90	9/6/2011 11:30	5.86	9/6/2011 16:35	5.07	9/6/2011 21:40	5.64	10/6/2011 2:45	4.47
9/6/2011 6:30	4.04	9/6/2011 11:35	5.56	9/6/2011 16:40	4.83	9/6/2011 21:45	5.55	10/6/2011 2:50	4.45
9/6/2011 6:35	6.33	9/6/2011 11:40	5.36	9/6/2011 16:45	4.65	9/6/2011 21:50	6.12	10/6/2011 2:55	4.45
9/6/2011 6:40	7.41	9/6/2011 11:45	5.12	9/6/2011 16:50	4.75	9/6/2011 21:55	6.17	10/6/2011 3:00	4.44
9/6/2011 6:45	7.48	9/6/2011 11:50	5.07	9/6/2011 16:55	4.82	9/6/2011 22:00	5.93	10/6/2011 3:05	4.30
9/6/2011 6:50	7.27	9/6/2011 11:55	5.41	9/6/2011 17:00	4.42	9/6/2011 22:05	5.48	10/6/2011 3:10	4.33
9/6/2011 6:55	7.11	9/6/2011 12:00	5.12	9/6/2011 17:05	4.79	9/6/2011 22:10	5.47	10/6/2011 3:15	4.43
9/6/2011 7:00	6.49	9/6/2011 12:05	5.00	9/6/2011 17:10	4.84	9/6/2011 22:15	4.90	10/6/2011 3:20	4.57
9/6/2011 7:05	6.17	9/6/2011 12:10	4.73	9/6/2011 17:15	4.95	9/6/2011 22:20	5.15	10/6/2011 3:25	4.51
9/6/2011 7:10	5.77	9/6/2011 12:15	4.64	9/6/2011 17:20	5.00	9/6/2011 22:25	5.00	10/6/2011 3:30	4.35
9/6/2011 7:15	5.17	9/6/2011 12:20	4.59	9/6/2011 17:25	4.96	9/6/2011 22:30	4.97	10/6/2011 3:35	4.05
9/6/2011 7:20	6.16	9/6/2011 12:25	4.46	9/6/2011 17:30	4.82	9/6/2011 22:35	4.59	10/6/2011 3:40	3.93
9/6/2011 7:25	5.56	9/6/2011 12:30	4.62	9/6/2011 17:35	4.62	9/6/2011 22:40	4.85	10/6/2011 3:45	4.09
9/6/2011 7:30	6.01	9/6/2011 12:35	4.86	9/6/2011 17:40	4.60	9/6/2011 22:45	5.32	10/6/2011 3:50	4.25
9/6/2011 7:35	5.90	9/6/2011 12:40	5.49	9/6/2011 17:45	4.55	9/6/2011 22:50	5.40	10/6/2011 3:55	4.22
9/6/2011 7:40	6.00	9/6/2011 12:45	5.30	9/6/2011 17:50	4.78	9/6/2011 22:55	5.36	10/6/2011 4:00	4.13
9/6/2011 7:45	5.26	9/6/2011 12:50	5.26	9/6/2011 17:55	5.19	9/6/2011 23:00	5.48	10/6/2011 4:05	4.02
9/6/2011 7:50	5.09	9/6/2011 12:55	5.37	9/6/2011 18:00	5.03	9/6/2011 23:05	5.09	10/6/2011 4:10	4.12

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
10/6/2011 4:15	4.50	10/6/2011 9:20	5.46	10/6/2011 14:25	5.02	10/6/2011 19:30	4.23	11/6/2011 0:35	4.84
10/6/2011 4:20	4.36	10/6/2011 9:25	5.04	10/6/2011 14:30	4.78	10/6/2011 19:35	4.58	11/6/2011 0:40	4.67
10/6/2011 4:25	4.32	10/6/2011 9:30	5.67	10/6/2011 14:35	4.78	10/6/2011 19:40	4.97	11/6/2011 0:45	4.51
10/6/2011 4:30	4.18	10/6/2011 9:35	5.15	10/6/2011 14:40	4.61	10/6/2011 19:45	5.03	11/6/2011 0:50	4.57
10/6/2011 4:35	4.05	10/6/2011 9:40	5.07	10/6/2011 14:45	4.95	10/6/2011 19:50	4.76	11/6/2011 0:55	4.42
10/6/2011 4:40	3.99	10/6/2011 9:45	6.43	10/6/2011 14:50	4.90	10/6/2011 19:55	4.86	11/6/2011 1:00	4.39
10/6/2011 4:45	4.29	10/6/2011 9:50	9.96	10/6/2011 14:55	5.23	10/6/2011 20:00	4.74	11/6/2011 1:05	4.66
10/6/2011 4:50	4.23	10/6/2011 9:55	9.33	10/6/2011 15:00	5.05	10/6/2011 20:05	4.40	11/6/2011 1:10	4.85
10/6/2011 4:55	4.46	10/6/2011 10:00	7.66	10/6/2011 15:05	5.95	10/6/2011 20:10	4.61	11/6/2011 1:15	4.72
10/6/2011 5:00	4.17	10/6/2011 10:05	7.82	10/6/2011 15:10	9.96	10/6/2011 20:15	4.15	11/6/2011 1:20	4.56
10/6/2011 5:05	4.40	10/6/2011 10:10	7.01	10/6/2011 15:15	9.96	10/6/2011 20:20	4.14	11/6/2011 1:25	4.45
10/6/2011 5:10	4.31	10/6/2011 10:15	6.99	10/6/2011 15:20	8.04	10/6/2011 20:25	4.37	11/6/2011 1:30	4.65
10/6/2011 5:15	4.15	10/6/2011 10:20	6.39	10/6/2011 15:25	7.60	10/6/2011 20:30	4.07	11/6/2011 1:35	4.44
10/6/2011 5:20	4.02	10/6/2011 10:25	6.02	10/6/2011 15:30	7.01	10/6/2011 20:35	4.48	11/6/2011 1:40	4.67
10/6/2011 5:25	4.15	10/6/2011 10:30	5.80	10/6/2011 15:35	6.43	10/6/2011 20:40	4.70	11/6/2011 1:45	4.50
10/6/2011 5:30	4.09	10/6/2011 10:35	5.56	10/6/2011 15:40	5.94	10/6/2011 20:45	4.58	11/6/2011 1:50	4.60
10/6/2011 5:35	3.87	10/6/2011 10:40	5.55	10/6/2011 15:45	5.26	10/6/2011 20:50	4.47	11/6/2011 1:55	4.35
10/6/2011 5:40	3.78	10/6/2011 10:45	5.28	10/6/2011 15:50	5.75	10/6/2011 20:55	4.52	11/6/2011 2:00	4.43
10/6/2011 5:45	3.83	10/6/2011 10:50	5.36	10/6/2011 15:55	5.79	10/6/2011 21:00	4.19	11/6/2011 2:05	4.37
10/6/2011 5:50	4.15	10/6/2011 10:55	5.16	10/6/2011 16:00	5.57	10/6/2011 21:05	4.50	11/6/2011 2:10	4.34
10/6/2011 5:55	3.97	10/6/2011 11:00	5.54	10/6/2011 16:05	5.80	10/6/2011 21:10	4.50	11/6/2011 2:15	4.30
10/6/2011 6:00	4.18	10/6/2011 11:05	5.41	10/6/2011 16:10	5.38	10/6/2011 21:15	4.38	11/6/2011 2:20	4.33
10/6/2011 6:05	4.32	10/6/2011 11:10	5.35	10/6/2011 16:15	5.83	10/6/2011 21:20	4.39	11/6/2011 2:25	4.13
10/6/2011 6:10	4.14	10/6/2011 11:15	5.14	10/6/2011 16:20	5.59	10/6/2011 21:25	4.56	11/6/2011 2:30	4.20
10/6/2011 6:15	4.12	10/6/2011 11:20	4.96	10/6/2011 16:25	5.15	10/6/2011 21:30	4.77	11/6/2011 2:35	4.14
10/6/2011 6:20	3.98	10/6/2011 11:25	5.16	10/6/2011 16:30	4.90	10/6/2011 21:35	4.76	11/6/2011 2:40	4.06
10/6/2011 6:25	4.13	10/6/2011 11:30	5.11	10/6/2011 16:35	4.94	10/6/2011 21:40	4.50	11/6/2011 2:45	3.92
10/6/2011 6:30	4.28	10/6/2011 11:35	5.60	10/6/2011 16:40	4.48	10/6/2011 21:45	4.50	11/6/2011 2:50	3.86
10/6/2011 6:35	4.36	10/6/2011 11:40	5.71	10/6/2011 16:45	4.77	10/6/2011 21:50	4.35	11/6/2011 2:55	3.87
10/6/2011 6:40	4.37	10/6/2011 11:45	5.82	10/6/2011 16:50	4.53	10/6/2011 21:55	4.49	11/6/2011 3:00	3.82
10/6/2011 6:45	7.07	10/6/2011 11:50	5.15	10/6/2011 16:55	4.27	10/6/2011 22:00	4.89	11/6/2011 3:05	3.88
10/6/2011 6:50	6.59	10/6/2011 11:55	5.58	10/6/2011 17:00	4.70	10/6/2011 22:05	4.77	11/6/2011 3:10	4.00
10/6/2011 6:55	7.37	10/6/2011 12:00	5.43	10/6/2011 17:05	5.18	10/6/2011 22:10	4.90	11/6/2011 3:15	4.58
10/6/2011 7:00	6.07	10/6/2011 12:05	5.19	10/6/2011 17:10	5.01	10/6/2011 22:15	5.14	11/6/2011 3:20	4.39
10/6/2011 7:05	7.14	10/6/2011 12:10	5.11	10/6/2011 17:15	4.59	10/6/2011 22:20	4.95	11/6/2011 3:25	4.00
10/6/2011 7:10	5.46	10/6/2011 12:15	5.18	10/6/2011 17:20	4.57	10/6/2011 22:25	5.31	11/6/2011 3:30	4.07
10/6/2011 7:15	5.81	10/6/2011 12:20	5.13	10/6/2011 17:25	4.64	10/6/2011 22:30	5.03	11/6/2011 3:35	5.09
10/6/2011 7:20	4.94	10/6/2011 12:25	5.00	10/6/2011 17:30	4.62	10/6/2011 22:35	5.12	11/6/2011 3:40	4.97
10/6/2011 7:25	5.20	10/6/2011 12:30	5.44	10/6/2011 17:35	4.38	10/6/2011 22:40	4.94	11/6/2011 3:45	4.55
10/6/2011 7:30	4.77	10/6/2011 12:35	5.55	10/6/2011 17:40	4.89	10/6/2011 22:45	4.71	11/6/2011 3:50	4.62
10/6/2011 7:35	4.47	10/6/2011 12:40	5.62	10/6/2011 17:45	4.79	10/6/2011 22:50	4.80	11/6/2011 3:55	4.38
10/6/2011 7:40	4.37	10/6/2011 12:45	6.10	10/6/2011 17:50	4.75	10/6/2011 22:55	4.77	11/6/2011 4:00	4.31
10/6/2011 7:45	4.96	10/6/2011 12:50	5.92	10/6/2011 17:55	4.58	10/6/2011 23:00	4.78	11/6/2011 4:05	4.47
10/6/2011 7:50	5.01	10/6/2011 12:55	5.36	10/6/2011 18:00	4.86	10/6/2011 23:05	4.69	11/6/2011 4:10	4.35
10/6/2011 7:55	4.67	10/6/2011 13:00	5.44	10/6/2011 18:05	5.02	10/6/2011 23:10	4.83	11/6/2011 4:15	4.32
10/6/2011 8:00	6.04	10/6/2011 13:05	4.95	10/6/2011 18:10	4.47	10/6/2011 23:15	4.73	11/6/2011 4:20	4.32
10/6/2011 8:05	5.14	10/6/2011 13:10	4.73	10/6/2011 18:15	4.55	10/6/2011 23:20	5.02	11/6/2011 4:25	4.43
10/6/2011 8:10	5.77	10/6/2011 13:15	5.12	10/6/2011 18:20	4.96	10/6/2011 23:25	4.67	11/6/2011 4:30	4.28
10/6/2011 8:15	5.72	10/6/2011 13:20	4.96	10/6/2011 18:25	4.81	10/6/2011 23:30	4.66	11/6/2011 4:35	4.21
10/6/2011 8:20	6.12	10/6/2011 13:25	4.62	10/6/2011 18:30	7.56	10/6/2011 23:35	4.75	11/6/2011 4:40	4.03
10/6/2011 8:25	5.82	10/6/2011 13:30	5.21	10/6/2011 18:35	5.11	10/6/2011 23:40	4.65	11/6/2011 4:45	3.98
10/6/2011 8:30	6.15	10/6/2011 13:35	4.73	10/6/2011 18:40	5.35	10/6/2011 23:45	4.61	11/6/2011 4:50	4.22
10/6/2011 8:35	9.96	10/6/2011 13:40	5.08	10/6/2011 18:45	5.75	10/6/2011 23:50	4.68	11/6/2011 4:55	4.04
10/6/2011 8:40	9.96	10/6/2011 13:45	4.64	10/6/2011 18:50	5.58	10/6/2011 23:55	4.65	11/6/2011 5:00	4.07
10/6/2011 8:45	7.43	10/6/2011 13:50	4.85	10/6/2011 18:55	5.33	11/6/2011 0:00	4.24	11/6/2011 5:05	3.93
10/6/2011 8:50	6.97	10/6/2011 13:55	4.25	10/6/2011 19:00	5.01	11/6/2011 0:05	4.36	11/6/2011 5:10	3.93
10/6/2011 8:55	6.47	10/6/2011 14:00	4.03	10/6/2011 19:05	4.72	11/6/2011 0:10	4.46	11/6/2011 5:15	3.91
10/6/2011 9:00	6.20	10/6/2011 14:05	4.52	10/6/2011 19:10	4.87	11/6/2011 0:15	4.35	11/6/2011 5:20	4.08
10/6/2011 9:05	9.69	10/6/2011 14:10	4.79	10/6/2011 19:15	4.74	11/6/2011 0:20	5.34	11/6/2011 5:25	3.95
10/6/2011 9:10	5.04	10/6/2011 14:15	4.79	10/6/2011 19:20	4.47	11/6/2011 0:25	5.43	11/6/2011 5:30	4.01
10/6/2011 9:15	4.92	10/6/2011 14:20	5.10	10/6/2011 19:25	4.73	11/6/2011 0:30	5.33	11/6/2011 5:35	3.92

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
11/6/2011 5:40	3.92	11/6/2011 10:45	5.18	11/6/2011 15:50	4.13	11/6/2011 20:55	4.63	12/6/2011 2:00	4.36
11/6/2011 5:45	3.93	11/6/2011 10:50	6.47	11/6/2011 15:55	4.37	11/6/2011 21:00	4.51	12/6/2011 2:05	4.56
11/6/2011 5:50	4.07	11/6/2011 10:55	6.08	11/6/2011 16:00	4.02	11/6/2011 21:05	4.29	12/6/2011 2:10	4.39
11/6/2011 5:55	4.15	11/6/2011 11:00	6.11	11/6/2011 16:05	4.63	11/6/2011 21:10	4.55	12/6/2011 2:15	5.00
11/6/2011 6:00	4.09	11/6/2011 11:05	5.47	11/6/2011 16:10	4.69	11/6/2011 21:15	4.43	12/6/2011 2:20	4.70
11/6/2011 6:05	4.48	11/6/2011 11:10	5.60	11/6/2011 16:15	4.40	11/6/2011 21:20	4.46	12/6/2011 2:25	4.72
11/6/2011 6:10	4.31	11/6/2011 11:15	5.97	11/6/2011 16:20	4.36	11/6/2011 21:25	4.28	12/6/2011 2:30	4.57
11/6/2011 6:15	4.22	11/6/2011 11:20	4.62	11/6/2011 16:25	4.40	11/6/2011 21:30	4.82	12/6/2011 2:35	4.50
11/6/2011 6:20	4.15	11/6/2011 11:25	5.49	11/6/2011 16:30	4.34	11/6/2011 21:35	4.52	12/6/2011 2:40	4.51
11/6/2011 6:25	4.19	11/6/2011 11:30	7.99	11/6/2011 16:35	4.49	11/6/2011 21:40	4.93	12/6/2011 2:45	4.44
11/6/2011 6:30	4.10	11/6/2011 11:35	6.83	11/6/2011 16:40	4.64	11/6/2011 21:45	4.57	12/6/2011 2:50	4.45
11/6/2011 6:35	4.34	11/6/2011 11:40	6.91	11/6/2011 16:45	4.07	11/6/2011 21:50	4.57	12/6/2011 2:55	4.42
11/6/2011 6:40	4.32	11/6/2011 11:45	6.21	11/6/2011 16:50	4.45	11/6/2011 21:55	4.43	12/6/2011 3:00	4.34
11/6/2011 6:45	5.16	11/6/2011 11:50	5.96	11/6/2011 16:55	4.92	11/6/2011 22:00	4.58	12/6/2011 3:05	4.43
11/6/2011 6:50	5.00	11/6/2011 11:55	5.63	11/6/2011 17:00	4.81	11/6/2011 22:05	4.51	12/6/2011 3:10	4.35
11/6/2011 6:55	5.41	11/6/2011 12:00	5.62	11/6/2011 17:05	4.77	11/6/2011 22:10	4.81	12/6/2011 3:15	4.28
11/6/2011 7:00	4.72	11/6/2011 12:05	5.20	11/6/2011 17:10	4.73	11/6/2011 22:15	4.67	12/6/2011 3:20	4.29
11/6/2011 7:05	4.50	11/6/2011 12:10	5.58	11/6/2011 17:15	4.55	11/6/2011 22:20	4.40	12/6/2011 3:25	4.21
11/6/2011 7:10	4.40	11/6/2011 12:15	5.20	11/6/2011 17:20	4.24	11/6/2011 22:25	4.41	12/6/2011 3:30	4.25
11/6/2011 7:15	4.41	11/6/2011 12:20	4.75	11/6/2011 17:25	4.31	11/6/2011 22:30	4.38	12/6/2011 3:35	4.24
11/6/2011 7:20	4.44	11/6/2011 12:25	4.68	11/6/2011 17:30	4.61	11/6/2011 22:35	4.15	12/6/2011 3:40	4.09
11/6/2011 7:25	4.47	11/6/2011 12:30	4.68	11/6/2011 17:35	4.81	11/6/2011 22:40	4.21	12/6/2011 3:45	3.90
11/6/2011 7:30	4.30	11/6/2011 12:35	4.55	11/6/2011 17:40	4.58	11/6/2011 22:45	4.42	12/6/2011 3:50	3.89
11/6/2011 7:35	4.10	11/6/2011 12:40	4.50	11/6/2011 17:45	4.45	11/6/2011 22:50	9.97	12/6/2011 3:55	3.78
11/6/2011 7:40	3.82	11/6/2011 12:45	4.22	11/6/2011 17:50	4.18	11/6/2011 22:55	9.97	12/6/2011 4:00	3.91
11/6/2011 7:45	4.05	11/6/2011 12:50	4.23	11/6/2011 17:55	5.29	11/6/2011 23:00	9.97	12/6/2011 4:05	5.02
11/6/2011 7:50	4.36	11/6/2011 12:55	4.33	11/6/2011 18:00	6.96	11/6/2011 23:05	9.97	12/6/2011 4:10	4.24
11/6/2011 7:55	4.65	11/6/2011 13:00	4.21	11/6/2011 18:05	7.17	11/6/2011 23:10	9.97	12/6/2011 4:15	5.19
11/6/2011 8:00	4.20	11/6/2011 13:05	4.46	11/6/2011 18:10	6.48	11/6/2011 23:15	9.97	12/6/2011 4:20	5.42
11/6/2011 8:05	4.25	11/6/2011 13:10	4.85	11/6/2011 18:15	6.91	11/6/2011 23:20	9.07	12/6/2011 4:25	5.37
11/6/2011 8:10	4.47	11/6/2011 13:15	5.07	11/6/2011 18:20	7.15	11/6/2011 23:25	8.87	12/6/2011 4:30	6.48
11/6/2011 8:15	4.64	11/6/2011 13:20	4.86	11/6/2011 18:25	6.88	11/6/2011 23:30	7.77	12/6/2011 4:35	5.89
11/6/2011 8:20	4.14	11/6/2011 13:25	4.60	11/6/2011 18:30	6.26	11/6/2011 23:35	7.42	12/6/2011 4:40	5.52
11/6/2011 8:25	4.32	11/6/2011 13:30	5.05	11/6/2011 18:35	6.33	11/6/2011 23:40	6.86	12/6/2011 4:45	5.73
11/6/2011 8:30	4.65	11/6/2011 13:35	4.62	11/6/2011 18:40	5.75	11/6/2011 23:45	6.23	12/6/2011 4:50	5.85
11/6/2011 8:35	4.76	11/6/2011 13:40	4.52	11/6/2011 18:45	5.29	11/6/2011 23:50	5.99	12/6/2011 4:55	5.00
11/6/2011 8:40	5.15	11/6/2011 13:45	4.60	11/6/2011 18:50	5.18	11/6/2011 23:55	5.56	12/6/2011 5:00	5.28
11/6/2011 8:45	5.03	11/6/2011 13:50	4.77	11/6/2011 18:55	5.04	12/6/2011 0:00	5.82	12/6/2011 5:05	6.16
11/6/2011 8:50	5.17	11/6/2011 13:55	4.95	11/6/2011 19:00	4.91	12/6/2011 0:05	6.31	12/6/2011 5:10	5.37
11/6/2011 8:55	4.60	11/6/2011 14:00	4.54	11/6/2011 19:05	5.25	12/6/2011 0:10	5.70	12/6/2011 5:15	4.94
11/6/2011 9:00	4.52	11/6/2011 14:05	4.69	11/6/2011 19:10	5.87	12/6/2011 0:15	5.44	12/6/2011 5:20	4.64
11/6/2011 9:05	4.23	11/6/2011 14:10	4.29	11/6/2011 19:15	5.59	12/6/2011 0:20	5.17	12/6/2011 5:25	4.54
11/6/2011 9:10	4.65	11/6/2011 14:15	4.11	11/6/2011 19:20	5.71	12/6/2011 0:25	4.93	12/6/2011 5:30	4.74
11/6/2011 9:15	5.46	11/6/2011 14:20	4.33	11/6/2011 19:25	4.97	12/6/2011 0:30	5.08	12/6/2011 5:35	4.50
11/6/2011 9:20	5.08	11/6/2011 14:25	4.25	11/6/2011 19:30	5.13	12/6/2011 0:35	4.61	12/6/2011 5:40	4.14
11/6/2011 9:25	4.72	11/6/2011 14:30	4.55	11/6/2011 19:35	5.33	12/6/2011 0:40	4.63	12/6/2011 5:45	4.25
11/6/2011 9:30	4.54	11/6/2011 14:35	5.17	11/6/2011 19:40	4.82	12/6/2011 0:45	4.52	12/6/2011 5:50	4.18
11/6/2011 9:35	4.48	11/6/2011 14:40	4.86	11/6/2011 19:45	5.15	12/6/2011 0:50	4.48	12/6/2011 5:55	4.18
11/6/2011 9:40	4.24	11/6/2011 14:45	4.62	11/6/2011 19:50	5.36	12/6/2011 0:55	4.29	12/6/2011 6:00	4.18
11/6/2011 9:45	4.10	11/6/2011 14:50	4.32	11/6/2011 19:55	5.39	12/6/2011 1:00	4.13	12/6/2011 6:05	4.15
11/6/2011 9:50	3.94	11/6/2011 14:55	4.34	11/6/2011 20:00	5.04	12/6/2011 1:05	4.12	12/6/2011 6:10	4.24
11/6/2011 9:55	4.11	11/6/2011 15:00	4.36	11/6/2011 20:05	4.80	12/6/2011 1:10	4.14	12/6/2011 6:15	4.39
11/6/2011 10:00	4.42	11/6/2011 15:05	4.48	11/6/2011 20:10	4.80	12/6/2011 1:15	4.38	12/6/2011 6:20	4.14
11/6/2011 10:05	4.20	11/6/2011 15:10	4.50	11/6/2011 20:15	4.40	12/6/2011 1:20	4.11	12/6/2011 6:25	4.09
11/6/2011 10:10	4.20	11/6/2011 15:15	4.95	11/6/2011 20:20	4.62	12/6/2011 1:25	4.40	12/6/2011 6:30	4.07
11/6/2011 10:15	4.24	11/6/2011 15:20	5.07	11/6/2011 20:25	4.58	12/6/2011 1:30	4.58	12/6/2011 6:35	4.07
11/6/2011 10:20	4.51	11/6/2011 15:25	4.83	11/6/2011 20:30	4.50	12/6/2011 1:35	4.61	12/6/2011 6:40	4.18
11/6/2011 10:25	6.43	11/6/2011 15:30	4.57	11/6/2011 20:35	4.35	12/6/2011 1:40	4.54	12/6/2011 6:45	4.44
11/6/2011 10:30	6.61	11/6/2011 15:35	4.27	11/6/2011 20:40	4.63	12/6/2011 1:45	4.72	12/6/2011 6:50	4.21
11/6/2011 10:35	6.40	11/6/2011 15:40	4.17	11/6/2011 20:45	4.88	12/6/2011 1:50	4.70	12/6/2011 6:55	4.07
11/6/2011 10:40	6.55	11/6/2011 15:45	4.19	11/6/2011 20:50	4.52	12/6/2011 1:55	4.64	12/6/2011 7:00	3.89

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
12/6/2011 7:05	3.83	12/6/2011 12:10	4.80	12/6/2011 17:15	***	12/6/2011 22:20	***	13/6/2011 3:25	***
12/6/2011 7:10	3.89	12/6/2011 12:15	5.06	12/6/2011 17:20	***	12/6/2011 22:25	***	13/6/2011 3:30	***
12/6/2011 7:15	4.43	12/6/2011 12:20	4.44	12/6/2011 17:25	***	12/6/2011 22:30	***	13/6/2011 3:35	***
12/6/2011 7:20	5.26	12/6/2011 12:25	4.43	12/6/2011 17:30	***	12/6/2011 22:35	***	13/6/2011 3:40	***
12/6/2011 7:25	4.84	12/6/2011 12:30	4.77	12/6/2011 17:35	***	12/6/2011 22:40	***	13/6/2011 3:45	***
12/6/2011 7:30	4.64	12/6/2011 12:35	4.82	12/6/2011 17:40	***	12/6/2011 22:45	***	13/6/2011 3:50	***
12/6/2011 7:35	4.65	12/6/2011 12:40	4.93	12/6/2011 17:45	***	12/6/2011 22:50	***	13/6/2011 3:55	***
12/6/2011 7:40	6.35	12/6/2011 12:45	5.19	12/6/2011 17:50	***	12/6/2011 22:55	***	13/6/2011 4:00	***
12/6/2011 7:45	4.92	12/6/2011 12:50	5.23	12/6/2011 17:55	***	12/6/2011 23:00	***	13/6/2011 4:05	***
12/6/2011 7:50	4.70	12/6/2011 12:55	3.40	12/6/2011 18:00	***	12/6/2011 23:05	***	13/6/2011 4:10	***
12/6/2011 7:55	4.52	12/6/2011 13:00	***	12/6/2011 18:05	***	12/6/2011 23:10	***	13/6/2011 4:15	***
12/6/2011 8:00	4.37	12/6/2011 13:05	***	12/6/2011 18:10	***	12/6/2011 23:15	***	13/6/2011 4:20	***
12/6/2011 8:05	4.34	12/6/2011 13:10	***	12/6/2011 18:15	***	12/6/2011 23:20	***	13/6/2011 4:25	***
12/6/2011 8:10	4.45	12/6/2011 13:15	***	12/6/2011 18:20	***	12/6/2011 23:25	***	13/6/2011 4:30	***
12/6/2011 8:15	5.47	12/6/2011 13:20	***	12/6/2011 18:25	***	12/6/2011 23:30	***	13/6/2011 4:35	***
12/6/2011 8:20	4.57	12/6/2011 13:25	***	12/6/2011 18:30	***	12/6/2011 23:35	***	13/6/2011 4:40	***
12/6/2011 8:25	4.37	12/6/2011 13:30	***	12/6/2011 18:35	***	12/6/2011 23:40	***	13/6/2011 4:45	***
12/6/2011 8:30	4.84	12/6/2011 13:35	***	12/6/2011 18:40	***	12/6/2011 23:45	***	13/6/2011 4:50	***
12/6/2011 8:35	4.33	12/6/2011 13:40	***	12/6/2011 18:45	***	12/6/2011 23:50	***	13/6/2011 4:55	***
12/6/2011 8:40	4.43	12/6/2011 13:45	***	12/6/2011 18:50	***	12/6/2011 23:55	***	13/6/2011 5:00	***
12/6/2011 8:45	4.54	12/6/2011 13:50	***	12/6/2011 18:55	***	13/6/2011 0:00	***	13/6/2011 5:05	***
12/6/2011 8:50	4.53	12/6/2011 13:55	***	12/6/2011 19:00	***	13/6/2011 0:05	***	13/6/2011 5:10	***
12/6/2011 8:55	4.05	12/6/2011 14:00	***	12/6/2011 19:05	***	13/6/2011 0:10	***	13/6/2011 5:15	***
12/6/2011 9:00	3.90	12/6/2011 14:05	***	12/6/2011 19:10	***	13/6/2011 0:15	***	13/6/2011 5:20	***
12/6/2011 9:05	4.10	12/6/2011 14:10	***	12/6/2011 19:15	***	13/6/2011 0:20	***	13/6/2011 5:25	***
12/6/2011 9:10	5.42	12/6/2011 14:15	***	12/6/2011 19:20	***	13/6/2011 0:25	***	13/6/2011 5:30	***
12/6/2011 9:15	4.84	12/6/2011 14:20	***	12/6/2011 19:25	***	13/6/2011 0:30	***	13/6/2011 5:35	***
12/6/2011 9:20	5.05	12/6/2011 14:25	***	12/6/2011 19:30	***	13/6/2011 0:35	***	13/6/2011 5:40	***
12/6/2011 9:25	4.70	12/6/2011 14:30	***	12/6/2011 19:35	***	13/6/2011 0:40	***	13/6/2011 5:45	***
12/6/2011 9:30	4.52	12/6/2011 14:35	***	12/6/2011 19:40	***	13/6/2011 0:45	***	13/6/2011 5:50	***
12/6/2011 9:35	4.57	12/6/2011 14:40	***	12/6/2011 19:45	***	13/6/2011 0:50	***	13/6/2011 5:55	***
12/6/2011 9:40	4.80	12/6/2011 14:45	***	12/6/2011 19:50	***	13/6/2011 0:55	***	13/6/2011 6:00	***
12/6/2011 9:45	4.73	12/6/2011 14:50	***	12/6/2011 19:55	***	13/6/2011 1:00	***	13/6/2011 6:05	***
12/6/2011 9:50	4.76	12/6/2011 14:55	***	12/6/2011 20:00	***	13/6/2011 1:05	***	13/6/2011 6:10	***
12/6/2011 9:55	6.01	12/6/2011 15:00	***	12/6/2011 20:05	***	13/6/2011 1:10	***	13/6/2011 6:15	***
12/6/2011 10:00	5.24	12/6/2011 15:05	***	12/6/2011 20:10	***	13/6/2011 1:15	***	13/6/2011 6:20	***
12/6/2011 10:05	4.84	12/6/2011 15:10	***	12/6/2011 20:15	***	13/6/2011 1:20	***	13/6/2011 6:25	***
12/6/2011 10:10	4.58	12/6/2011 15:15	***	12/6/2011 20:20	***	13/6/2011 1:25	***	13/6/2011 6:30	***
12/6/2011 10:15	4.51	12/6/2011 15:20	***	12/6/2011 20:25	***	13/6/2011 1:30	***	13/6/2011 6:35	***
12/6/2011 10:20	4.86	12/6/2011 15:25	***	12/6/2011 20:30	***	13/6/2011 1:35	***	13/6/2011 6:40	***
12/6/2011 10:25	4.73	12/6/2011 15:30	***	12/6/2011 20:35	***	13/6/2011 1:40	***	13/6/2011 6:45	***
12/6/2011 10:30	5.18	12/6/2011 15:35	***	12/6/2011 20:40	***	13/6/2011 1:45	***	13/6/2011 6:50	***
12/6/2011 10:35	4.47	12/6/2011 15:40	***	12/6/2011 20:45	***	13/6/2011 1:50	***	13/6/2011 6:55	***
12/6/2011 10:40	5.14	12/6/2011 15:45	***	12/6/2011 20:50	***	13/6/2011 1:55	***	13/6/2011 7:00	***
12/6/2011 10:45	4.43	12/6/2011 15:50	***	12/6/2011 20:55	***	13/6/2011 2:00	***	13/6/2011 7:05	***
12/6/2011 10:50	4.27	12/6/2011 15:55	***	12/6/2011 21:00	***	13/6/2011 2:05	***	13/6/2011 7:10	***
12/6/2011 10:55	4.16	12/6/2011 16:00	***	12/6/2011 21:05	***	13/6/2011 2:10	***	13/6/2011 7:15	***
12/6/2011 11:00	4.14	12/6/2011 16:05	***	12/6/2011 21:10	***	13/6/2011 2:15	***	13/6/2011 7:20	***
12/6/2011 11:05	4.03	12/6/2011 16:10	***	12/6/2011 21:15	***	13/6/2011 2:20	***	13/6/2011 7:25	***
12/6/2011 11:10	4.35	12/6/2011 16:15	***	12/6/2011 21:20	***	13/6/2011 2:25	***	13/6/2011 7:30	***
12/6/2011 11:15	4.69	12/6/2011 16:20	***	12/6/2011 21:25	***	13/6/2011 2:30	***	13/6/2011 7:35	***
12/6/2011 11:20	4.43	12/6/2011 16:25	***	12/6/2011 21:30	***	13/6/2011 2:35	***	13/6/2011 7:40	***
12/6/2011 11:25	4.72	12/6/2011 16:30	***	12/6/2011 21:35	***	13/6/2011 2:40	***	13/6/2011 7:45	***
12/6/2011 11:30	4.34	12/6/2011 16:35	***	12/6/2011 21:40	***	13/6/2011 2:45	***	13/6/2011 7:50	***
12/6/2011 11:35	4.26	12/6/2011 16:40	***	12/6/2011 21:45	***	13/6/2011 2:50	***	13/6/2011 7:55	***
12/6/2011 11:40	4.41	12/6/2011 16:45	***	12/6/2011 21:50	***	13/6/2011 2:55	***	13/6/2011 8:00	***
12/6/2011 11:45	5.22	12/6/2011 16:50	***	12/6/2011 21:55	***	13/6/2011 3:00	***	13/6/2011 8:05	***
12/6/2011 11:50	4.92	12/6/2011 16:55	***	12/6/2011 22:00	***	13/6/2011 3:05	***	13/6/2011 8:10	***
12/6/2011 11:55	5.17	12/6/2011 17:00	***	12/6/2011 22:05	***	13/6/2011 3:10	***	13/6/2011 8:15	***
12/6/2011 12:00	5.23	12/6/2011 17:05	***	12/6/2011 22:10	***	13/6/2011 3:15	***	13/6/2011 8:20	***
12/6/2011 12:05	5.04	12/6/2011 17:10	***	12/6/2011 22:15	***	13/6/2011 3:20	***	13/6/2011 8:25	***

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
13/6/2011 8:30	***	13/6/2011 13:35	***	13/6/2011 18:40	4.73	13/6/2011 23:45	4.32	14/6/2011 4:50	4.64
13/6/2011 8:35	***	13/6/2011 13:40	***	13/6/2011 18:45	5.07	13/6/2011 23:50	4.15	14/6/2011 4:55	4.64
13/6/2011 8:40	***	13/6/2011 13:45	***	13/6/2011 18:50	5.50	13/6/2011 23:55	4.16	14/6/2011 5:00	4.77
13/6/2011 8:45	***	13/6/2011 13:50	***	13/6/2011 18:55	5.10	14/6/2011 0:00	4.38	14/6/2011 5:05	4.60
13/6/2011 8:50	***	13/6/2011 13:55	***	13/6/2011 19:00	5.45	14/6/2011 0:05	4.35	14/6/2011 5:10	4.72
13/6/2011 8:55	***	13/6/2011 14:00	***	13/6/2011 19:05	5.43	14/6/2011 0:10	4.12	14/6/2011 5:15	4.69
13/6/2011 9:00	***	13/6/2011 14:05	***	13/6/2011 19:10	5.17	14/6/2011 0:15	4.23	14/6/2011 5:20	4.87
13/6/2011 9:05	***	13/6/2011 14:10	***	13/6/2011 19:15	5.13	14/6/2011 0:20	4.06	14/6/2011 5:25	4.97
13/6/2011 9:10	***	13/6/2011 14:15	***	13/6/2011 19:20	4.95	14/6/2011 0:25	3.98	14/6/2011 5:30	4.80
13/6/2011 9:15	***	13/6/2011 14:20	***	13/6/2011 19:25	4.69	14/6/2011 0:30	4.31	14/6/2011 5:35	4.68
13/6/2011 9:20	***	13/6/2011 14:25	***	13/6/2011 19:30	4.56	14/6/2011 0:35	4.19	14/6/2011 5:40	4.79
13/6/2011 9:25	***	13/6/2011 14:30	***	13/6/2011 19:35	4.67	14/6/2011 0:40	4.70	14/6/2011 5:45	4.87
13/6/2011 9:30	***	13/6/2011 14:35	***	13/6/2011 19:40	5.09	14/6/2011 0:45	4.24	14/6/2011 5:50	5.01
13/6/2011 9:35	***	13/6/2011 14:40	***	13/6/2011 19:45	5.26	14/6/2011 0:50	3.87	14/6/2011 5:55	5.30
13/6/2011 9:40	***	13/6/2011 14:45	***	13/6/2011 19:50	5.11	14/6/2011 0:55	4.10	14/6/2011 6:00	5.41
13/6/2011 9:45	***	13/6/2011 14:50	***	13/6/2011 19:55	4.64	14/6/2011 1:00	4.17	14/6/2011 6:05	5.09
13/6/2011 9:50	***	13/6/2011 14:55	***	13/6/2011 20:00	4.63	14/6/2011 1:05	4.22	14/6/2011 6:10	5.15
13/6/2011 9:55	***	13/6/2011 15:00	***	13/6/2011 20:05	5.04	14/6/2011 1:10	4.34	14/6/2011 6:15	5.51
13/6/2011 10:00	***	13/6/2011 15:05	***	13/6/2011 20:10	4.64	14/6/2011 1:15	4.22	14/6/2011 6:20	5.57
13/6/2011 10:05	***	13/6/2011 15:10	***	13/6/2011 20:15	4.50	14/6/2011 1:20	4.26	14/6/2011 6:25	6.83
13/6/2011 10:10	***	13/6/2011 15:15	***	13/6/2011 20:20	5.00	14/6/2011 1:25	4.19	14/6/2011 6:30	5.54
13/6/2011 10:15	***	13/6/2011 15:20	***	13/6/2011 20:25	4.44	14/6/2011 1:30	4.22	14/6/2011 6:35	5.78
13/6/2011 10:20	***	13/6/2011 15:25	***	13/6/2011 20:30	4.48	14/6/2011 1:35	4.19	14/6/2011 6:40	6.40
13/6/2011 10:25	***	13/6/2011 15:30	***	13/6/2011 20:35	4.37	14/6/2011 1:40	4.38	14/6/2011 6:45	5.79
13/6/2011 10:30	***	13/6/2011 15:35	***	13/6/2011 20:40	4.56	14/6/2011 1:45	4.09	14/6/2011 6:50	6.12
13/6/2011 10:35	***	13/6/2011 15:40	***	13/6/2011 20:45	4.51	14/6/2011 1:50	4.13	14/6/2011 6:55	5.05
13/6/2011 10:40	***	13/6/2011 15:45	***	13/6/2011 20:50	4.68	14/6/2011 1:55	3.97	14/6/2011 7:00	5.80
13/6/2011 10:45	***	13/6/2011 15:50	***	13/6/2011 20:55	4.38	14/6/2011 2:00	4.35	14/6/2011 7:05	5.59
13/6/2011 10:50	***	13/6/2011 15:55	9.22	13/6/2011 21:00	4.51	14/6/2011 2:05	4.29	14/6/2011 7:10	5.32
13/6/2011 10:55	***	13/6/2011 16:00	4.41	13/6/2011 21:05	4.62	14/6/2011 2:10	4.19	14/6/2011 7:15	5.51
13/6/2011 11:00	***	13/6/2011 16:05	4.22	13/6/2011 21:10	4.83	14/6/2011 2:15	4.15	14/6/2011 7:20	5.25
13/6/2011 11:05	***	13/6/2011 16:10	5.16	13/6/2011 21:15	4.67	14/6/2011 2:20	4.20	14/6/2011 7:25	5.21
13/6/2011 11:10	***	13/6/2011 16:15	5.16	13/6/2011 21:20	4.85	14/6/2011 2:25	4.28	14/6/2011 7:30	5.18
13/6/2011 11:15	***	13/6/2011 16:20	5.29	13/6/2011 21:25	5.77	14/6/2011 2:30	4.16	14/6/2011 7:35	5.18
13/6/2011 11:20	***	13/6/2011 16:25	5.14	13/6/2011 21:30	5.07	14/6/2011 2:35	4.42	14/6/2011 7:40	5.05
13/6/2011 11:25	***	13/6/2011 16:30	5.16	13/6/2011 21:35	5.00	14/6/2011 2:40	4.27	14/6/2011 7:45	4.85
13/6/2011 11:30	***	13/6/2011 16:35	4.81	13/6/2011 21:40	4.75	14/6/2011 2:45	4.25	14/6/2011 7:50	5.64
13/6/2011 11:35	***	13/6/2011 16:40	4.69	13/6/2011 21:45	4.79	14/6/2011 2:50	4.16	14/6/2011 7:55	5.72
13/6/2011 11:40	***	13/6/2011 16:45	4.49	13/6/2011 21:50	4.79	14/6/2011 2:55	4.26	14/6/2011 8:00	5.68
13/6/2011 11:45	***	13/6/2011 16:50	4.58	13/6/2011 21:55	4.64	14/6/2011 3:00	4.27	14/6/2011 8:05	5.12
13/6/2011 11:50	***	13/6/2011 16:55	4.90	13/6/2011 22:00	4.34	14/6/2011 3:05	4.35	14/6/2011 8:10	5.71
13/6/2011 11:55	***	13/6/2011 17:00	4.41	13/6/2011 22:05	4.47	14/6/2011 3:10	4.28	14/6/2011 8:15	5.03
13/6/2011 12:00	***	13/6/2011 17:05	5.05	13/6/2011 22:10	4.20	14/6/2011 3:15	4.06	14/6/2011 8:20	5.26
13/6/2011 12:05	***	13/6/2011 17:10	5.17	13/6/2011 22:15	4.07	14/6/2011 3:20	4.25	14/6/2011 8:25	5.36
13/6/2011 12:10	***	13/6/2011 17:15	4.94	13/6/2011 22:20	4.37	14/6/2011 3:25	4.29	14/6/2011 8:30	5.73
13/6/2011 12:15	***	13/6/2011 17:20	4.85	13/6/2011 22:25	4.21	14/6/2011 3:30	4.15	14/6/2011 8:35	5.19
13/6/2011 12:20	***	13/6/2011 17:25	5.20	13/6/2011 22:30	4.07	14/6/2011 3:35	4.27	14/6/2011 8:40	5.02
13/6/2011 12:25	***	13/6/2011 17:30	4.69	13/6/2011 22:35	4.02	14/6/2011 3:40	4.06	14/6/2011 8:45	5.22
13/6/2011 12:30	***	13/6/2011 17:35	4.92	13/6/2011 22:40	4.28	14/6/2011 3:45	4.32	14/6/2011 8:50	4.86
13/6/2011 12:35	***	13/6/2011 17:40	4.45	13/6/2011 22:45	4.60	14/6/2011 3:50	4.26	14/6/2011 8:55	4.77
13/6/2011 12:40	***	13/6/2011 17:45	5.22	13/6/2011 22:50	4.04	14/6/2011 3:55	3.95	14/6/2011 9:00	4.48
13/6/2011 12:45	***	13/6/2011 17:50	5.10	13/6/2011 22:55	4.21	14/6/2011 4:00	4.03	14/6/2011 9:05	5.19
13/6/2011 12:50	***	13/6/2011 17:55	5.76	13/6/2011 23:00	4.17	14/6/2011 4:05	4.06	14/6/2011 9:10	5.06
13/6/2011 12:55	***	13/6/2011 18:00	5.32	13/6/2011 23:05	4.12	14/6/2011 4:10	4.10	14/6/2011 9:15	4.52
13/6/2011 13:00	***	13/6/2011 18:05	5.13	13/6/2011 23:10	3.95	14/6/2011 4:15	4.10	14/6/2011 9:20	5.04
13/6/2011 13:05	***	13/6/2011 18:10	5.14	13/6/2011 23:15	4.06	14/6/2011 4:20	4.13	14/6/2011 9:25	5.05
13/6/2011 13:10	***	13/6/2011 18:15	5.02	13/6/2011 23:20	3.97	14/6/2011 4:25	9.97	14/6/2011 9:30	5.22
13/6/2011 13:15	***	13/6/2011 18:20	4.65	13/6/2011 23:25	4.64	14/6/2011 4:30	4.08	14/6/2011 9:35	4.89
13/6/2011 13:20	***	13/6/2011 18:25	5.14	13/6/2011 23:30	4.35	14/6/2011 4:35	4.13	14/6/2011 9:40	4.74
13/6/2011 13:25	***	13/6/2011 18:30	5.00	13/6/2011 23:35	4.53	14/6/2011 4:40	4.15	14/6/2011 9:45	4.49
13/6/2011 13:30	***	13/6/2011 18:35	5.05	13/6/2011 23:40	4.33	14/6/2011 4:45	4.32	14/6/2011 9:50	5.87

\*\*\* Remarks: No power supply from the Windsor House Pumping House



## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
14/6/2011 9:55	5.39	14/6/2011 15:00	***	14/6/2011 20:05	***	15/6/2011 1:10	***	15/6/2011 6:15	***
14/6/2011 10:00	5.13	14/6/2011 15:05	***	14/6/2011 20:10	0.00	15/6/2011 1:15	***	15/6/2011 6:20	***
14/6/2011 10:05	4.84	14/6/2011 15:10	***	14/6/2011 20:15	0.00	15/6/2011 1:20	***	15/6/2011 6:25	***
14/6/2011 10:10	4.95	14/6/2011 15:15	***	14/6/2011 20:20	0.00	15/6/2011 1:25	***	15/6/2011 6:30	***
14/6/2011 10:15	4.82	14/6/2011 15:20	***	14/6/2011 20:25	0.00	15/6/2011 1:30	***	15/6/2011 6:35	***
14/6/2011 10:20	5.20	14/6/2011 15:25	***	14/6/2011 20:30	0.00	15/6/2011 1:35	***	15/6/2011 6:40	***
14/6/2011 10:25	4.91	14/6/2011 15:30	***	14/6/2011 20:35	0.00	15/6/2011 1:40	***	15/6/2011 6:45	***
14/6/2011 10:30	4.94	14/6/2011 15:35	***	14/6/2011 20:40	0.00	15/6/2011 1:45	***	15/6/2011 6:50	***
14/6/2011 10:35	4.84	14/6/2011 15:40	***	14/6/2011 20:45	0.00	15/6/2011 1:50	***	15/6/2011 6:55	***
14/6/2011 10:40	4.66	14/6/2011 15:45	***	14/6/2011 20:50	0.00	15/6/2011 1:55	***	15/6/2011 7:00	***
14/6/2011 10:45	4.52	14/6/2011 15:50	***	14/6/2011 20:55	0.00	15/6/2011 2:00	***	15/6/2011 7:05	***
14/6/2011 10:50	4.84	14/6/2011 15:55	***	14/6/2011 21:00	0.00	15/6/2011 2:05	***	15/6/2011 7:10	***
14/6/2011 10:55	4.84	14/6/2011 16:00	***	14/6/2011 21:05	0.00	15/6/2011 2:10	***	15/6/2011 7:15	***
14/6/2011 11:00	4.56	14/6/2011 16:05	***	14/6/2011 21:10	0.00	15/6/2011 2:15	***	15/6/2011 7:20	***
14/6/2011 11:05	4.86	14/6/2011 16:10	***	14/6/2011 21:15	0.00	15/6/2011 2:20	***	15/6/2011 7:25	***
14/6/2011 11:10	4.76	14/6/2011 16:15	***	14/6/2011 21:20	0.00	15/6/2011 2:25	***	15/6/2011 7:30	***
14/6/2011 11:15	4.64	14/6/2011 16:20	***	14/6/2011 21:25	0.00	15/6/2011 2:30	***	15/6/2011 7:35	***
14/6/2011 11:20	4.59	14/6/2011 16:25	***	14/6/2011 21:30	0.00	15/6/2011 2:35	***	15/6/2011 7:40	***
14/6/2011 11:25	4.49	14/6/2011 16:30	***	14/6/2011 21:35	0.00	15/6/2011 2:40	***	15/6/2011 7:45	***
14/6/2011 11:30	4.53	14/6/2011 16:35	***	14/6/2011 21:40	0.00	15/6/2011 2:45	***	15/6/2011 7:50	***
14/6/2011 11:35	4.52	14/6/2011 16:40	***	14/6/2011 21:45	0.00	15/6/2011 2:50	***	15/6/2011 7:55	***
14/6/2011 11:40	4.52	14/6/2011 16:45	***	14/6/2011 21:50	0.00	15/6/2011 2:55	***	15/6/2011 8:00	***
14/6/2011 11:45	4.44	14/6/2011 16:50	***	14/6/2011 21:55	0.00	15/6/2011 3:00	***	15/6/2011 8:05	***
14/6/2011 11:50	4.75	14/6/2011 16:55	***	14/6/2011 22:00	0.00	15/6/2011 3:05	***	15/6/2011 8:10	***
14/6/2011 11:55	5.30	14/6/2011 17:00	***	14/6/2011 22:05	0.00	15/6/2011 3:10	***	15/6/2011 8:15	***
14/6/2011 12:00	5.02	14/6/2011 17:05	***	14/6/2011 22:10	0.00	15/6/2011 3:15	***	15/6/2011 8:20	***
14/6/2011 12:05	4.77	14/6/2011 17:10	***	14/6/2011 22:15	0.00	15/6/2011 3:20	***	15/6/2011 8:25	***
14/6/2011 12:10	4.73	14/6/2011 17:15	***	14/6/2011 22:20	0.00	15/6/2011 3:25	***	15/6/2011 8:30	***
14/6/2011 12:15	4.79	14/6/2011 17:20	***	14/6/2011 22:25	0.00	15/6/2011 3:30	***	15/6/2011 8:35	***
14/6/2011 12:20	4.51	14/6/2011 17:25	***	14/6/2011 22:30	0.00	15/6/2011 3:35	***	15/6/2011 8:40	***
14/6/2011 12:25	4.57	14/6/2011 17:30	***	14/6/2011 22:35	0.00	15/6/2011 3:40	***	15/6/2011 8:45	***
14/6/2011 12:30	4.60	14/6/2011 17:35	***	14/6/2011 22:40	0.00	15/6/2011 3:45	***	15/6/2011 8:50	***
14/6/2011 12:35	4.58	14/6/2011 17:40	***	14/6/2011 22:45	0.00	15/6/2011 3:50	***	15/6/2011 8:55	***
14/6/2011 12:40	4.69	14/6/2011 17:45	***	14/6/2011 22:50	0.00	15/6/2011 3:55	***	15/6/2011 9:00	***
14/6/2011 12:45	4.70	14/6/2011 17:50	***	14/6/2011 22:55	0.00	15/6/2011 4:00	***	15/6/2011 9:05	***
14/6/2011 12:50	5.11	14/6/2011 17:55	***	14/6/2011 23:00	0.00	15/6/2011 4:05	***	15/6/2011 9:10	***
14/6/2011 12:55	4.90	14/6/2011 18:00	***	14/6/2011 23:05	0.00	15/6/2011 4:10	***	15/6/2011 9:15	***
14/6/2011 13:00	4.73	14/6/2011 18:05	***	14/6/2011 23:10	0.00	15/6/2011 4:15	***	15/6/2011 9:20	***
14/6/2011 13:05	4.76	14/6/2011 18:10	***	14/6/2011 23:15	0.00	15/6/2011 4:20	***	15/6/2011 9:25	***
14/6/2011 13:10	4.70	14/6/2011 18:15	***	14/6/2011 23:20	0.00	15/6/2011 4:25	***	15/6/2011 9:30	***
14/6/2011 13:15	4.55	14/6/2011 18:20	***	14/6/2011 23:25	0.00	15/6/2011 4:30	***	15/6/2011 9:35	***
14/6/2011 13:20	4.58	14/6/2011 18:25	***	14/6/2011 23:30	0.00	15/6/2011 4:35	***	15/6/2011 9:40	***
14/6/2011 13:25	4.63	14/6/2011 18:30	***	14/6/2011 23:35	0.00	15/6/2011 4:40	***	15/6/2011 9:45	***
14/6/2011 13:30	4.62	14/6/2011 18:35	***	14/6/2011 23:40	0.00	15/6/2011 4:45	***	15/6/2011 9:50	***
14/6/2011 13:35	4.72	14/6/2011 18:40	***	14/6/2011 23:45	0.00	15/6/2011 4:50	***	15/6/2011 9:55	***
14/6/2011 13:40	***	14/6/2011 18:45	***	14/6/2011 23:50	0.00	15/6/2011 4:55	***	15/6/2011 10:00	***
14/6/2011 13:45	***	14/6/2011 18:50	***	14/6/2011 23:55	0.00	15/6/2011 5:00	***	15/6/2011 10:05	***
14/6/2011 13:50	***	14/6/2011 18:55	***	15/6/2011 0:00	0.00	15/6/2011 5:05	***	15/6/2011 10:10	***
14/6/2011 13:55	***	14/6/2011 19:00	***	15/6/2011 0:05	0.00	15/6/2011 5:10	***	15/6/2011 10:15	***
14/6/2011 14:00	***	14/6/2011 19:05	***	15/6/2011 0:10	0.00	15/6/2011 5:15	***	15/6/2011 10:20	***
14/6/2011 14:05	***	14/6/2011 19:10	***	15/6/2011 0:15	0.00	15/6/2011 5:20	***	15/6/2011 10:25	***
14/6/2011 14:10	***	14/6/2011 19:15	***	15/6/2011 0:20	0.00	15/6/2011 5:25	***	15/6/2011 10:30	***
14/6/2011 14:15	***	14/6/2011 19:20	***	15/6/2011 0:25	0.00	15/6/2011 5:30	***	15/6/2011 10:35	***
14/6/2011 14:20	***	14/6/2011 19:25	***	15/6/2011 0:30	0.00	15/6/2011 5:35	***	15/6/2011 10:40	***
14/6/2011 14:25	***	14/6/2011 19:30	***	15/6/2011 0:35	0.00	15/6/2011 5:40	***	15/6/2011 10:45	***
14/6/2011 14:30	***	14/6/2011 19:35	***	15/6/2011 0:40	0.00	15/6/2011 5:45	***	15/6/2011 10:50	***
14/6/2011 14:35	***	14/6/2011 19:40	***	15/6/2011 0:45	0.00	15/6/2011 5:50	***	15/6/2011 10:55	***
14/6/2011 14:40	***	14/6/2011 19:45	***	15/6/2011 0:50	0.00	15/6/2011 5:55	***	15/6/2011 11:00	***
14/6/2011 14:45	***	14/6/2011 19:50	***	15/6/2011 0:55	0.00	15/6/2011 6:00	***	15/6/2011 11:05	***
14/6/2011 14:50	***	14/6/2011 19:55	***	15/6/2011 1:00	0.00	15/6/2011 6:05	***	15/6/2011 11:10	***
14/6/2011 14:55	***	14/6/2011 20:00	***	15/6/2011 1:05	0.00	15/6/2011 6:10	***	15/6/2011 11:15	***

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
15/6/2011 11:20	***	15/6/2011 16:40	6.09	15/6/2011 22:00	4.75	16/6/2011 3:20	4.59	16/6/2011 8:40	4.97
15/6/2011 11:25	***	15/6/2011 16:45	5.85	15/6/2011 22:05	4.93	16/6/2011 3:25	4.68	16/6/2011 8:45	4.99
15/6/2011 11:30	***	15/6/2011 16:50	5.90	15/6/2011 22:10	4.98	16/6/2011 3:30	4.62	16/6/2011 8:50	4.96
15/6/2011 11:35	***	15/6/2011 16:55	5.78	15/6/2011 22:15	4.86	16/6/2011 3:35	4.64	16/6/2011 8:55	5.13
15/6/2011 11:40	***	15/6/2011 17:00	5.32	15/6/2011 22:20	4.74	16/6/2011 3:40	4.71	16/6/2011 9:00	5.22
15/6/2011 11:45	***	15/6/2011 17:05	5.53	15/6/2011 22:25	4.87	16/6/2011 3:45	4.66	16/6/2011 9:05	4.76
15/6/2011 11:50	***	15/6/2011 17:10	5.47	15/6/2011 22:30	4.90	16/6/2011 3:50	4.75	16/6/2011 9:10	4.93
15/6/2011 11:55	***	15/6/2011 17:15	5.57	15/6/2011 22:35	4.68	16/6/2011 3:55	4.62	16/6/2011 9:15	4.64
15/6/2011 12:00	***	15/6/2011 17:20	5.86	15/6/2011 22:40	4.72	16/6/2011 4:00	4.55	16/6/2011 9:20	4.87
15/6/2011 12:05	***	15/6/2011 17:25	6.11	15/6/2011 22:45	4.76	16/6/2011 4:05	4.26	16/6/2011 9:25	4.56
15/6/2011 12:10	***	15/6/2011 17:30	5.95	15/6/2011 22:50	4.61	16/6/2011 4:10	4.36	16/6/2011 9:30	4.50
15/6/2011 12:15	***	15/6/2011 17:35	6.15	15/6/2011 22:55	4.81	16/6/2011 4:15	4.29	16/6/2011 9:35	4.67
15/6/2011 12:20	***	15/6/2011 17:40	6.07	15/6/2011 23:00	4.41	16/6/2011 4:20	4.33	16/6/2011 9:40	4.47
15/6/2011 12:25	***	15/6/2011 17:45	5.52	15/6/2011 23:05	4.44	16/6/2011 4:25	4.29	16/6/2011 9:45	4.59
15/6/2011 12:30	***	15/6/2011 17:50	5.73	15/6/2011 23:10	4.38	16/6/2011 4:30	4.27	16/6/2011 9:50	4.50
15/6/2011 12:35	***	15/6/2011 17:55	5.64	15/6/2011 23:15	4.28	16/6/2011 4:35	4.23	16/6/2011 9:55	4.37
15/6/2011 12:40	***	15/6/2011 18:00	5.61	15/6/2011 23:20	4.22	16/6/2011 4:40	4.29	16/6/2011 10:00	4.97
15/6/2011 12:45	***	15/6/2011 18:05	5.26	15/6/2011 23:25	4.41	16/6/2011 4:45	4.25	16/6/2011 10:05	4.75
15/6/2011 12:50	***	15/6/2011 18:10	5.72	15/6/2011 23:30	4.37	16/6/2011 4:50	4.23	16/6/2011 10:10	4.60
15/6/2011 12:55	***	15/6/2011 18:15	5.73	15/6/2011 23:35	4.56	16/6/2011 4:55	4.20	16/6/2011 10:15	4.82
15/6/2011 13:00	***	15/6/2011 18:20	5.51	15/6/2011 23:40	4.51	16/6/2011 5:00	4.26	16/6/2011 10:20	4.59
15/6/2011 13:05	***	15/6/2011 18:25	5.44	15/6/2011 23:45	4.53	16/6/2011 5:05	4.25	16/6/2011 10:25	4.45
15/6/2011 13:10	***	15/6/2011 18:30	5.41	15/6/2011 23:50	4.51	16/6/2011 5:10	4.23	16/6/2011 10:30	4.61
15/6/2011 13:15	***	15/6/2011 18:35	5.38	15/6/2011 23:55	4.41	16/6/2011 5:15	4.21	16/6/2011 10:35	4.49
15/6/2011 13:20	***	15/6/2011 18:40	5.35	16/6/2011 0:00	4.52	16/6/2011 5:20	4.18	16/6/2011 10:40	4.53
15/6/2011 13:25	***	15/6/2011 18:45	5.06	16/6/2011 0:05	4.19	16/6/2011 5:25	4.21	16/6/2011 10:45	4.62
15/6/2011 13:30	***	15/6/2011 18:50	4.81	16/6/2011 0:10	4.31	16/6/2011 5:30	4.17	16/6/2011 10:50	4.69
15/6/2011 13:35	***	15/6/2011 18:55	5.46	16/6/2011 0:15	4.18	16/6/2011 5:35	4.30	16/6/2011 10:55	4.48
15/6/2011 13:40	***	15/6/2011 19:00	5.09	16/6/2011 0:20	4.15	16/6/2011 5:40	4.23	16/6/2011 11:00	4.64
15/6/2011 13:45	***	15/6/2011 19:05	4.86	16/6/2011 0:25	4.23	16/6/2011 5:45	4.35	16/6/2011 11:05	4.43
15/6/2011 13:50	***	15/6/2011 19:10	4.96	16/6/2011 0:30	4.04	16/6/2011 5:50	4.31	16/6/2011 11:10	4.56
15/6/2011 13:55	***	15/6/2011 19:15	5.18	16/6/2011 0:35	4.15	16/6/2011 5:55	4.38	16/6/2011 11:15	4.40
15/6/2011 14:00	***	15/6/2011 19:20	4.92	16/6/2011 0:40	4.06	16/6/2011 6:00	4.41	16/6/2011 11:20	4.57
15/6/2011 14:05	4.11	15/6/2011 19:25	5.20	16/6/2011 0:45	4.07	16/6/2011 6:05	4.32	16/6/2011 11:25	4.57
15/6/2011 14:10	3.90	15/6/2011 19:30	5.29	16/6/2011 0:50	4.27	16/6/2011 6:10	4.53	16/6/2011 11:30	4.51
15/6/2011 14:15	5.02	15/6/2011 19:35	4.53	16/6/2011 0:55	4.48	16/6/2011 6:15	4.66	16/6/2011 11:35	4.35
15/6/2011 14:20	4.52	15/6/2011 19:40	4.66	16/6/2011 1:00	4.62	16/6/2011 6:20	4.56	16/6/2011 11:40	4.29
15/6/2011 14:25	4.39	15/6/2011 19:45	5.07	16/6/2011 1:05	4.62	16/6/2011 6:25	4.70	16/6/2011 11:45	4.27
15/6/2011 14:30	4.38	15/6/2011 19:50	5.36	16/6/2011 1:10	4.48	16/6/2011 6:30	4.55	16/6/2011 11:50	4.23
15/6/2011 14:35	4.65	15/6/2011 19:55	5.58	16/6/2011 1:15	4.31	16/6/2011 6:35	4.44	16/6/2011 11:55	4.41
15/6/2011 14:40	5.20	15/6/2011 20:00	5.47	16/6/2011 1:20	4.32	16/6/2011 6:40	4.68	16/6/2011 12:00	4.45
15/6/2011 14:45	4.54	15/6/2011 20:05	5.39	16/6/2011 1:25	4.34	16/6/2011 6:45	4.53	16/6/2011 12:05	4.30
15/6/2011 14:50	5.10	15/6/2011 20:10	5.38	16/6/2011 1:30	4.60	16/6/2011 6:50	4.71	16/6/2011 12:10	4.26
15/6/2011 14:55	6.13	15/6/2011 20:15	5.02	16/6/2011 1:35	4.52	16/6/2011 6:55	4.63	16/6/2011 12:15	4.48
15/6/2011 15:00	6.46	15/6/2011 20:20	5.24	16/6/2011 1:40	4.47	16/6/2011 7:00	4.86	16/6/2011 12:20	4.27
15/6/2011 15:05	5.64	15/6/2011 20:25	5.20	16/6/2011 1:45	4.35	16/6/2011 7:05	4.92	16/6/2011 12:25	4.60
15/6/2011 15:10	6.00	15/6/2011 20:30	4.77	16/6/2011 1:50	4.49	16/6/2011 7:10	5.02	16/6/2011 12:30	4.38
15/6/2011 15:15	6.08	15/6/2011 20:35	5.33	16/6/2011 1:55	4.63	16/6/2011 7:15	4.97	16/6/2011 12:35	4.57
15/6/2011 15:20	6.37	15/6/2011 20:40	4.99	16/6/2011 2:00	4.83	16/6/2011 7:20	5.05	16/6/2011 12:40	4.50
15/6/2011 15:25	7.52	15/6/2011 20:45	5.67	16/6/2011 2:05	4.55	16/6/2011 7:25	5.12	16/6/2011 12:45	4.41
15/6/2011 15:30	7.03	15/6/2011 20:50	5.28	16/6/2011 2:10	4.66	16/6/2011 7:30	5.26	16/6/2011 12:50	4.42
15/6/2011 15:35	7.49	15/6/2011 20:55	5.54	16/6/2011 2:15	4.64	16/6/2011 7:35	5.02	16/6/2011 12:55	4.43
15/6/2011 15:40	6.50	15/6/2011 21:00	5.93	16/6/2011 2:20	4.70	16/6/2011 7:40	4.97	16/6/2011 13:00	4.67
15/6/2011 15:45	6.57	15/6/2011 21:05	5.04	16/6/2011 2:25	4.78	16/6/2011 7:45	5.11	16/6/2011 13:05	4.61
15/6/2011 15:50	6.52	15/6/2011 21:10	5.69	16/6/2011 2:30	4.63	16/6/2011 7:50	5.08	16/6/2011 13:10	4.88
15/6/2011 15:55	6.02	15/6/2011 21:15	5.13	16/6/2011 2:35	9.97	16/6/2011 7:55	4.89	16/6/2011 13:15	4.59
15/6/2011 16:00	6.08	15/6/2011 21:20	5.58	16/6/2011 2:40	4.37	16/6/2011 8:00	5.15	16/6/2011 13:20	4.97
15/6/2011 16:05	6.98	15/6/2011 21:25	5.45	16/6/2011 2:45	4.47	16/6/2011 8:05	4.99	16/6/2011 13:25	4.79
15/6/2011 16:10	5.83	15/6/2011 21:30	5.58	16/6/2011 2:50	4.50	16/6/2011 8:10	5.06	16/6/2011 13:30	4.65
15/6/2011 16:15	6.34	15/6/2011 21:35	5.59	16/6/2011 2:55	4.53	16/6/2011 8:15	5.15	16/6/2011 13:35	4.67
15/6/2011 16:20	6.50	15/6/2011 21:40	5.33	16/6/2011 3:00	4.52	16/6/2011 8:20	5.19	16/6/2011 13:40	5.01
15/6/2011 16:25	5.73	15/6/2011 21:45	5.43	16/6/2011 3:05	4.46	16/6/2011 8:25	5.52	16/6/2011 13:45	4.80
15/6/2011 16:30	5.75	15/6/2011 21:50	4.90	16/6/2011 3:10	4.64	16/6/2011 8:30	5.43	16/6/2011 13:50	4.86
15/6/2011 16:35	5.45	15/6/2011 21:55	5.29	16/6/2011 3:15	4.68	16/6/2011 8:35	5.13	16/6/2011 13:55	4.89

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
16/6/2011 14:00	4.74	16/6/2011 19:20	4.81	17/6/2011 0:45	4.15	17/6/2011 6:05	5.43	17/6/2011 11:25	4.66
16/6/2011 14:05	4.84	16/6/2011 19:25	4.57	17/6/2011 0:50	4.19	17/6/2011 6:10	5.15	17/6/2011 11:30	4.46
16/6/2011 14:10	4.84	16/6/2011 19:30	4.43	17/6/2011 0:55	4.24	17/6/2011 6:15	5.08	17/6/2011 11:35	4.61
16/6/2011 14:15	5.34	16/6/2011 19:35	4.54	17/6/2011 1:00	4.24	17/6/2011 6:20	5.19	17/6/2011 11:40	4.74
16/6/2011 14:20	5.09	16/6/2011 19:40	4.37	17/6/2011 1:05	4.07	17/6/2011 6:25	4.91	17/6/2011 11:45	4.79
16/6/2011 14:25	5.03	16/6/2011 19:45	4.59	17/6/2011 1:10	4.18	17/6/2011 6:30	5.44	17/6/2011 11:50	4.12
16/6/2011 14:30	4.95	16/6/2011 19:50	4.30	17/6/2011 1:15	4.35	17/6/2011 6:35	6.55	17/6/2011 11:55	4.74
16/6/2011 14:35	5.35	16/6/2011 19:55	4.68	17/6/2011 1:20	4.36	17/6/2011 6:40	6.34	17/6/2011 12:00	4.78
16/6/2011 14:40	5.26	16/6/2011 20:00	4.48	17/6/2011 1:25	4.22	17/6/2011 6:45	7.51	17/6/2011 12:05	4.93
16/6/2011 14:45	4.88	16/6/2011 20:05	4.70	17/6/2011 1:30	4.39	17/6/2011 6:50	6.89	17/6/2011 12:10	5.28
16/6/2011 14:50	5.48	16/6/2011 20:10	4.59	17/6/2011 1:35	4.40	17/6/2011 6:55	7.07	17/6/2011 12:15	4.61
16/6/2011 14:55	5.54	16/6/2011 20:15	4.68	17/6/2011 1:40	4.30	17/6/2011 7:00	6.09	17/6/2011 12:20	4.69
16/6/2011 15:00	5.12	16/6/2011 20:20	4.76	17/6/2011 1:45	4.40	17/6/2011 7:05	6.06	17/6/2011 12:25	4.49
16/6/2011 15:05	5.68	16/6/2011 20:25	5.19	17/6/2011 1:50	4.26	17/6/2011 7:10	6.42	17/6/2011 12:30	4.53
16/6/2011 15:10	5.28	16/6/2011 20:30	4.58	17/6/2011 1:55	4.44	17/6/2011 7:15	5.87	17/6/2011 12:35	4.76
16/6/2011 15:15	5.12	16/6/2011 20:35	4.98	17/6/2011 2:00	4.32	17/6/2011 7:20	6.01	17/6/2011 12:40	5.28
16/6/2011 15:20	5.12	16/6/2011 20:40	4.65	17/6/2011 2:05	3.97	17/6/2011 7:25	6.04	17/6/2011 12:45	4.92
16/6/2011 15:25	4.88	16/6/2011 20:45	4.86	17/6/2011 2:10	4.34	17/6/2011 7:30	5.75	17/6/2011 12:50	5.41
16/6/2011 15:30	5.02	16/6/2011 20:50	4.95	17/6/2011 2:15	3.84	17/6/2011 7:35	5.72	17/6/2011 12:55	4.85
16/6/2011 15:35	5.30	16/6/2011 20:55	5.07	17/6/2011 2:20	4.55	17/6/2011 7:40	5.70	17/6/2011 13:00	4.80
16/6/2011 15:40	5.25	16/6/2011 21:00	5.01	17/6/2011 2:25	4.19	17/6/2011 7:45	6.01	17/6/2011 13:05	4.33
16/6/2011 15:45	5.31	16/6/2011 21:05	5.21	17/6/2011 2:30	3.97	17/6/2011 7:50	6.03	17/6/2011 13:10	4.73
16/6/2011 15:50	6.18	16/6/2011 21:10	4.93	17/6/2011 2:35	4.27	17/6/2011 7:55	5.77	17/6/2011 13:15	4.87
16/6/2011 15:55	5.07	16/6/2011 21:15	4.93	17/6/2011 2:40	4.40	17/6/2011 8:00	5.68	17/6/2011 13:20	4.73
16/6/2011 16:00	5.07	16/6/2011 21:20	4.72	17/6/2011 2:45	4.36	17/6/2011 8:05	6.26	17/6/2011 13:25	4.17
16/6/2011 16:05	6.85	16/6/2011 21:25	4.52	17/6/2011 2:50	4.47	17/6/2011 8:10	6.35	17/6/2011 13:30	4.67
16/6/2011 16:10	5.22	16/6/2011 21:30	4.44	17/6/2011 2:55	4.46	17/6/2011 8:15	6.09	17/6/2011 13:35	5.00
16/6/2011 16:15	5.46	16/6/2011 21:35	5.38	17/6/2011 3:00	4.21	17/6/2011 8:20	5.99	17/6/2011 13:40	5.08
16/6/2011 16:20	5.23	16/6/2011 21:40	4.49	17/6/2011 3:05	4.06	17/6/2011 8:25	5.58	17/6/2011 13:45	5.38
16/6/2011 16:25	6.46	16/6/2011 21:45	5.44	17/6/2011 3:10	4.25	17/6/2011 8:30	5.52	17/6/2011 13:50	5.28
16/6/2011 16:30	5.37	16/6/2011 21:50	5.14	17/6/2011 3:15	4.24	17/6/2011 8:35	5.49	17/6/2011 13:55	5.34
16/6/2011 16:35	5.22	16/6/2011 21:55	4.87	17/6/2011 3:20	4.08	17/6/2011 8:40	6.38	17/6/2011 14:00	5.07
16/6/2011 16:40	5.50	16/6/2011 22:00	4.78	17/6/2011 3:25	4.43	17/6/2011 8:45	5.60	17/6/2011 14:05	4.84
16/6/2011 16:45	5.42	16/6/2011 22:05	4.63	17/6/2011 3:30	4.24	17/6/2011 8:50	6.58	17/6/2011 14:10	4.93
16/6/2011 16:50	5.64	16/6/2011 22:10	4.54	17/6/2011 3:35	4.37	17/6/2011 8:55	6.19	17/6/2011 14:15	5.04
16/6/2011 16:55	6.49	16/6/2011 22:15	4.63	17/6/2011 3:40	4.31	17/6/2011 9:00	6.04	17/6/2011 14:20	5.04
16/6/2011 17:00	5.22	16/6/2011 22:20	4.53	17/6/2011 3:45	4.31	17/6/2011 9:05	5.30	17/6/2011 14:25	5.25
16/6/2011 17:05	5.66	16/6/2011 22:25	5.05	17/6/2011 3:50	4.43	17/6/2011 9:10	6.31	17/6/2011 14:30	4.87
16/6/2011 17:10	5.23	16/6/2011 22:30	5.43	17/6/2011 3:55	4.61	17/6/2011 9:15	6.50	17/6/2011 14:35	5.46
16/6/2011 17:15	5.34	16/6/2011 22:35	5.42	17/6/2011 4:00	4.49	17/6/2011 9:20	5.74	17/6/2011 14:40	5.51
16/6/2011 17:20	5.83	16/6/2011 22:40	5.26	17/6/2011 4:05	4.54	17/6/2011 9:25	6.13	17/6/2011 14:45	5.41
16/6/2011 17:25	5.42	16/6/2011 22:45	5.35	17/6/2011 4:10	4.45	17/6/2011 9:30	6.69	17/6/2011 14:50	5.17
16/6/2011 17:30	5.22	16/6/2011 22:50	5.28	17/6/2011 4:15	4.71	17/6/2011 9:35	5.42	17/6/2011 14:55	5.10
16/6/2011 17:35	4.92	16/6/2011 22:55	5.51	17/6/2011 4:20	4.74	17/6/2011 9:40	6.67	17/6/2011 15:00	5.30
16/6/2011 17:40	5.60	16/6/2011 23:00	5.06	17/6/2011 4:25	4.70	17/6/2011 9:45	5.49	17/6/2011 15:05	5.07
16/6/2011 17:45	5.42	16/6/2011 23:05	5.54	17/6/2011 4:30	4.57	17/6/2011 9:50	4.88	17/6/2011 15:10	5.17
16/6/2011 17:50	5.32	16/6/2011 23:10	5.32	17/6/2011 4:35	4.63	17/6/2011 9:55	5.96	17/6/2011 15:15	5.10
16/6/2011 17:55	5.04	16/6/2011 23:15	5.33	17/6/2011 4:40	4.70	17/6/2011 10:00	5.76	17/6/2011 15:20	4.92
16/6/2011 18:00	4.81	16/6/2011 23:20	4.97	17/6/2011 4:45	4.48	17/6/2011 10:05	5.31	17/6/2011 15:25	5.09
16/6/2011 18:05	4.96	16/6/2011 23:25	4.93	17/6/2011 4:50	4.43	17/6/2011 10:10	6.03	17/6/2011 15:30	5.21
16/6/2011 18:10	5.43	16/6/2011 23:30	4.87	17/6/2011 4:55	4.47	17/6/2011 10:15	5.70	17/6/2011 15:35	5.08
16/6/2011 18:15	4.90	16/6/2011 23:35	4.79	17/6/2011 5:00	4.95	17/6/2011 10:20	6.13	17/6/2011 15:40	5.04
16/6/2011 18:20	5.65	16/6/2011 23:40	4.83	17/6/2011 5:05	4.78	17/6/2011 10:25	5.72	17/6/2011 15:45	4.86
16/6/2011 18:25	5.97	16/6/2011 23:45	4.77	17/6/2011 5:10	4.98	17/6/2011 10:30	6.17	17/6/2011 15:50	5.14
16/6/2011 18:30	5.53	16/6/2011 23:50	4.67	17/6/2011 5:15	4.87	17/6/2011 10:35	5.57	17/6/2011 15:55	5.43
16/6/2011 18:35	4.87	16/6/2011 23:55	5.05	17/6/2011 5:20	4.84	17/6/2011 10:40	5.96	17/6/2011 16:00	5.07
16/6/2011 18:40	4.59	17/6/2011 0:05	4.48	17/6/2011 5:25	4.75	17/6/2011 10:45	5.34	17/6/2011 16:05	4.97
16/6/2011 18:45	4.62	17/6/2011 0:10	4.51	17/6/2011 5:30	5.11	17/6/2011 10:50	5.16	17/6/2011 16:10	5.01
16/6/2011 18:50	5.09	17/6/2011 0:15	4.65	17/6/2011 5:35	5.09	17/6/2011 10:55	5.28	17/6/2011 16:15	5.19
16/6/2011 18:55	4.69	17/6/2011 0:20	4.35	17/6/2011 5:40	5.06	17/6/2011 11:00	5.10	17/6/2011 16:20	4.75
16/6/2011 19:00	4.67	17/6/2011 0:25	4.85	17/6/2011 5:45	5.17	17/6/2011 11:05	4.96	17/6/2011 16:25	4.81
16/6/2011 19:05	4.49	17/6/2011 0:30	4.32	17/6/2011 5:50	5.11	17/6/2011 11:10	4.81	17/6/2011 16:30	4.93
16/6/2011 19:10	4.71	17/6/2011 0:35	4.27	17/6/2011 5:55	5.43	17/6/2011 11:15	4.99	17/6/2011 16:35	4.83
16/6/2011 19:15	5.18	17/6/2011 0:40	4.15	17/6/2011 6:00	5.11	17/6/2011 11:20	5.09	17/6/2011 16:40	4.87

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
17/6/2011 16:45	4.59	17/6/2011 22:05	4.69	18/6/2011 3:25	4.27	18/6/2011 8:45	5.45	18/6/2011 14:05	4.97
17/6/2011 16:50	5.37	17/6/2011 22:10	4.66	18/6/2011 3:30	4.22	18/6/2011 8:50	6.21	18/6/2011 14:10	4.55
17/6/2011 16:55	6.30	17/6/2011 22:15	4.81	18/6/2011 3:35	4.03	18/6/2011 8:55	5.84	18/6/2011 14:15	4.95
17/6/2011 17:00	5.09	17/6/2011 22:20	4.61	18/6/2011 3:40	4.19	18/6/2011 9:00	5.97	18/6/2011 14:20	4.77
17/6/2011 17:05	5.21	17/6/2011 22:25	4.60	18/6/2011 3:45	4.23	18/6/2011 9:05	6.36	18/6/2011 14:25	4.78
17/6/2011 17:10	5.15	17/6/2011 22:30	4.80	18/6/2011 3:50	4.08	18/6/2011 9:10	5.23	18/6/2011 14:30	4.53
17/6/2011 17:15	4.94	17/6/2011 22:35	4.69	18/6/2011 3:55	4.01	18/6/2011 9:15	5.08	18/6/2011 14:35	4.81
17/6/2011 17:20	6.25	17/6/2011 22:40	4.78	18/6/2011 4:00	4.22	18/6/2011 9:20	6.27	18/6/2011 14:40	4.50
17/6/2011 17:25	5.19	17/6/2011 22:45	4.67	18/6/2011 4:05	4.04	18/6/2011 9:25	5.87	18/6/2011 14:45	4.64
17/6/2011 17:30	5.00	17/6/2011 22:50	4.78	18/6/2011 4:10	4.29	18/6/2011 9:30	6.09	18/6/2011 14:50	4.56
17/6/2011 17:35	4.96	17/6/2011 22:55	4.75	18/6/2011 4:15	4.26	18/6/2011 9:35	6.06	18/6/2011 14:55	4.65
17/6/2011 17:40	4.73	17/6/2011 23:00	4.49	18/6/2011 4:20	4.34	18/6/2011 9:40	5.59	18/6/2011 15:00	4.58
17/6/2011 17:45	4.72	17/6/2011 23:05	4.39	18/6/2011 4:25	4.13	18/6/2011 9:45	4.79	18/6/2011 15:05	4.53
17/6/2011 17:50	4.97	17/6/2011 23:10	4.97	18/6/2011 4:30	4.13	18/6/2011 9:50	5.32	18/6/2011 15:10	4.83
17/6/2011 17:55	4.95	17/6/2011 23:15	4.94	18/6/2011 4:35	4.12	18/6/2011 9:55	5.51	18/6/2011 15:15	4.63
17/6/2011 18:00	4.86	17/6/2011 23:20	4.88	18/6/2011 4:40	4.03	18/6/2011 10:00	5.11	18/6/2011 15:20	4.65
17/6/2011 18:05	4.92	17/6/2011 23:25	5.01	18/6/2011 4:45	4.36	18/6/2011 10:05	5.38	18/6/2011 15:25	4.65
17/6/2011 18:10	4.82	17/6/2011 23:30	5.00	18/6/2011 4:50	4.61	18/6/2011 10:10	5.87	18/6/2011 15:30	5.04
17/6/2011 18:15	4.48	17/6/2011 23:35	4.66	18/6/2011 4:55	4.66	18/6/2011 10:15	5.18	18/6/2011 15:35	4.73
17/6/2011 18:20	4.64	17/6/2011 23:40	4.65	18/6/2011 5:00	4.62	18/6/2011 10:20	4.88	18/6/2011 15:40	4.70
17/6/2011 18:25	4.74	17/6/2011 23:45	4.48	18/6/2011 5:05	4.59	18/6/2011 10:25	5.16	18/6/2011 15:45	5.04
17/6/2011 18:30	4.74	17/6/2011 23:50	4.76	18/6/2011 5:10	4.64	18/6/2011 10:30	5.00	18/6/2011 15:50	5.36
17/6/2011 18:35	5.09	17/6/2011 23:55	4.92	18/6/2011 5:15	4.67	18/6/2011 10:35	5.75	18/6/2011 15:55	5.50
17/6/2011 18:40	5.10	18/6/2011 0:00	5.16	18/6/2011 5:20	4.62	18/6/2011 10:40	5.77	18/6/2011 16:00	5.24
17/6/2011 18:45	5.04	18/6/2011 0:05	4.67	18/6/2011 5:25	4.75	18/6/2011 10:45	4.94	18/6/2011 16:05	5.32
17/6/2011 18:50	4.86	18/6/2011 0:10	4.83	18/6/2011 5:30	4.80	18/6/2011 10:50	5.32	18/6/2011 16:10	5.00
17/6/2011 18:55	4.85	18/6/2011 0:15	4.72	18/6/2011 5:35	4.80	18/6/2011 10:55	5.41	18/6/2011 16:15	5.20
17/6/2011 19:00	4.86	18/6/2011 0:20	4.36	18/6/2011 5:40	4.73	18/6/2011 11:00	5.43	18/6/2011 16:20	4.99
17/6/2011 19:05	4.83	18/6/2011 0:25	4.33	18/6/2011 5:45	4.81	18/6/2011 11:05	4.66	18/6/2011 16:25	5.17
17/6/2011 19:10	4.62	18/6/2011 0:30	4.57	18/6/2011 5:50	4.86	18/6/2011 11:10	5.54	18/6/2011 16:30	5.18
17/6/2011 19:15	4.52	18/6/2011 0:35	4.38	18/6/2011 5:55	4.78	18/6/2011 11:15	5.00	18/6/2011 16:35	5.15
17/6/2011 19:20	4.74	18/6/2011 0:40	4.60	18/6/2011 6:00	4.92	18/6/2011 11:20	5.45	18/6/2011 16:40	5.35
17/6/2011 19:25	4.60	18/6/2011 0:45	5.24	18/6/2011 6:05	4.70	18/6/2011 11:25	5.36	18/6/2011 16:45	5.31
17/6/2011 19:30	4.45	18/6/2011 0:50	5.30	18/6/2011 6:10	4.84	18/6/2011 11:30	4.88	18/6/2011 16:50	5.13
17/6/2011 19:35	4.55	18/6/2011 0:55	5.14	18/6/2011 6:15	4.61	18/6/2011 11:35	5.16	18/6/2011 16:55	5.12
17/6/2011 19:40	4.58	18/6/2011 1:00	4.89	18/6/2011 6:20	4.58	18/6/2011 11:40	5.05	18/6/2011 17:00	4.93
17/6/2011 19:45	4.96	18/6/2011 1:05	4.93	18/6/2011 6:25	4.86	18/6/2011 11:45	5.23	18/6/2011 17:05	4.95
17/6/2011 19:50	5.29	18/6/2011 1:10	4.63	18/6/2011 6:30	4.63	18/6/2011 11:50	4.69	18/6/2011 17:10	5.34
17/6/2011 19:55	5.23	18/6/2011 1:15	4.33	18/6/2011 6:35	5.06	18/6/2011 11:55	4.99	18/6/2011 17:15	4.77
17/6/2011 20:00	4.65	18/6/2011 1:20	4.17	18/6/2011 6:40	5.11	18/6/2011 12:00	4.65	18/6/2011 17:20	5.01
17/6/2011 20:05	4.54	18/6/2011 1:25	4.16	18/6/2011 6:45	5.57	18/6/2011 12:05	4.81	18/6/2011 17:25	4.75
17/6/2011 20:10	4.55	18/6/2011 1:30	4.39	18/6/2011 6:50	6.92	18/6/2011 12:10	5.24	18/6/2011 17:30	4.54
17/6/2011 20:15	4.69	18/6/2011 1:35	4.55	18/6/2011 6:55	5.06	18/6/2011 12:15	5.09	18/6/2011 17:35	4.63
17/6/2011 20:20	4.91	18/6/2011 1:40	4.48	18/6/2011 7:00	6.03	18/6/2011 12:20	5.17	18/6/2011 17:40	4.65
17/6/2011 20:25	4.73	18/6/2011 1:45	4.25	18/6/2011 7:05	5.91	18/6/2011 12:25	4.85	18/6/2011 17:45	4.32
17/6/2011 20:30	4.86	18/6/2011 1:50	4.40	18/6/2011 7:10	6.27	18/6/2011 12:30	5.04	18/6/2011 17:50	4.23
17/6/2011 20:35	4.74	18/6/2011 1:55	4.45	18/6/2011 7:15	6.26	18/6/2011 12:35	5.07	18/6/2011 17:55	4.50
17/6/2011 20:40	4.50	18/6/2011 2:00	4.49	18/6/2011 7:20	6.18	18/6/2011 12:40	5.42	18/6/2011 18:00	5.08
17/6/2011 20:45	4.54	18/6/2011 2:05	4.43	18/6/2011 7:25	6.25	18/6/2011 12:45	4.59	18/6/2011 18:05	5.05
17/6/2011 20:50	4.24	18/6/2011 2:10	4.52	18/6/2011 7:30	5.92	18/6/2011 12:50	5.09	18/6/2011 18:10	4.69
17/6/2011 20:55	4.47	18/6/2011 2:15	4.41	18/6/2011 7:35	5.99	18/6/2011 12:55	4.62	18/6/2011 18:15	4.77
17/6/2011 21:00	4.85	18/6/2011 2:20	4.29	18/6/2011 7:40	5.44	18/6/2011 13:00	5.12	18/6/2011 18:20	5.11
17/6/2011 21:05	4.52	18/6/2011 2:25	4.62	18/6/2011 7:45	6.50	18/6/2011 13:05	4.55	18/6/2011 18:25	4.87
17/6/2011 21:10	4.50	18/6/2011 2:30	4.39	18/6/2011 7:50	5.84	18/6/2011 13:10	4.78	18/6/2011 18:30	5.20
17/6/2011 21:15	4.41	18/6/2011 2:35	4.29	18/6/2011 7:55	6.33	18/6/2011 13:15	4.50	18/6/2011 18:35	5.37
17/6/2011 21:20	4.79	18/6/2011 2:40	4.20	18/6/2011 8:00	5.66	18/6/2011 13:20	4.63	18/6/2011 18:40	5.16
17/6/2011 21:25	4.38	18/6/2011 2:45	4.13	18/6/2011 8:05	6.79	18/6/2011 13:25	4.91	18/6/2011 18:45	4.79
17/6/2011 21:30	4.40	18/6/2011 2:50	3.99	18/6/2011 8:10	6.32	18/6/2011 13:30	4.58	18/6/2011 18:50	5.01
17/6/2011 21:35	4.47	18/6/2011 2:55	4.18	18/6/2011 8:15	6.41	18/6/2011 13:35	4.65	18/6/2011 18:55	4.91
17/6/2011 21:40	4.45	18/6/2011 3:00	4.25	18/6/2011 8:20	6.51	18/6/2011 13:40	4.51	18/6/2011 19:00	4.88
17/6/2011 21:45	4.64	18/6/2011 3:05	4.42	18/6/2011 8:25	6.13	18/6/2011 13:45	4.72	18/6/2011 19:05	4.66
17/6/2011 21:50	4.77	18/6/2011 3:10	4.38	18/6/2011 8:30	6.34	18/6/2011 13:50	4.54	18/6/2011 19:10	4.82
17/6/2011 21:55	4.23	18/6/2011 3:15	4.37	18/6/2011 8:35	5.95	18/6/2011 13:55	4.53	18/6/2011 19:15	4.69
17/6/2011 22:00	4.42	18/6/2011 3:20	4.30	18/6/2011 8:40	6.42	18/6/2011 14:00	4.34	18/6/2011 19:20	5.14

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
18/6/2011 19:25	5.15	19/6/2011 0:45	4.54	19/6/2011 6:05	5.27	19/6/2011 11:25	6.30	19/6/2011 16:45	5.01
18/6/2011 19:30	5.04	19/6/2011 0:50	4.65	19/6/2011 6:10	5.59	19/6/2011 11:30	5.64	19/6/2011 16:50	4.86
18/6/2011 19:35	5.15	19/6/2011 0:55	4.44	19/6/2011 6:15	5.48	19/6/2011 11:35	5.67	19/6/2011 16:55	5.00
18/6/2011 19:40	5.28	19/6/2011 1:00	4.35	19/6/2011 6:20	6.17	19/6/2011 11:40	6.56	19/6/2011 17:00	4.77
18/6/2011 19:45	5.41	19/6/2011 1:05	4.30	19/6/2011 6:25	5.75	19/6/2011 11:45	6.29	19/6/2011 17:05	4.98
18/6/2011 19:50	5.45	19/6/2011 1:10	4.29	19/6/2011 6:30	5.99	19/6/2011 11:50	4.94	19/6/2011 17:10	4.76
18/6/2011 19:55	5.34	19/6/2011 1:15	4.34	19/6/2011 6:35	5.62	19/6/2011 11:55	5.41	19/6/2011 17:15	4.75
18/6/2011 20:00	5.41	19/6/2011 1:20	4.18	19/6/2011 6:40	5.74	19/6/2011 12:00	5.23	19/6/2011 17:20	5.15
18/6/2011 20:05	5.13	19/6/2011 1:25	4.25	19/6/2011 6:45	5.08	19/6/2011 12:05	6.09	19/6/2011 17:25	5.13
18/6/2011 20:10	5.32	19/6/2011 1:30	4.31	19/6/2011 6:50	5.44	19/6/2011 12:10	5.79	19/6/2011 17:30	5.55
18/6/2011 20:15	5.19	19/6/2011 1:35	4.09	19/6/2011 6:55	5.12	19/6/2011 12:15	5.13	19/6/2011 17:35	5.05
18/6/2011 20:20	5.21	19/6/2011 1:40	4.17	19/6/2011 7:00	5.27	19/6/2011 12:20	5.32	19/6/2011 17:40	5.17
18/6/2011 20:25	5.23	19/6/2011 1:45	4.38	19/6/2011 7:05	5.22	19/6/2011 12:25	5.58	19/6/2011 17:45	5.33
18/6/2011 20:30	4.82	19/6/2011 1:50	4.35	19/6/2011 7:10	5.28	19/6/2011 12:30	5.12	19/6/2011 17:50	5.25
18/6/2011 20:35	5.17	19/6/2011 1:55	4.61	19/6/2011 7:15	5.42	19/6/2011 12:35	5.30	19/6/2011 17:55	5.20
18/6/2011 20:40	5.30	19/6/2011 2:00	4.53	19/6/2011 7:20	5.20	19/6/2011 12:40	5.21	19/6/2011 18:00	5.15
18/6/2011 20:45	5.03	19/6/2011 2:05	4.15	19/6/2011 7:25	5.34	19/6/2011 12:45	5.49	19/6/2011 18:05	5.11
18/6/2011 20:50	5.04	19/6/2011 2:10	4.25	19/6/2011 7:30	5.60	19/6/2011 12:50	4.93	19/6/2011 18:10	5.46
18/6/2011 20:55	5.18	19/6/2011 2:15	4.37	19/6/2011 7:35	5.40	19/6/2011 12:55	5.61	19/6/2011 18:15	7.54
18/6/2011 21:00	5.12	19/6/2011 2:20	4.30	19/6/2011 7:40	5.47	19/6/2011 13:00	5.26	19/6/2011 18:20	5.69
18/6/2011 21:05	5.23	19/6/2011 2:25	4.33	19/6/2011 7:45	5.02	19/6/2011 13:05	5.53	19/6/2011 18:25	5.28
18/6/2011 21:10	4.96	19/6/2011 2:30	4.37	19/6/2011 7:50	5.21	19/6/2011 13:10	5.61	19/6/2011 18:30	4.95
18/6/2011 21:15	4.84	19/6/2011 2:35	4.33	19/6/2011 7:55	5.46	19/6/2011 13:15	5.39	19/6/2011 18:35	5.25
18/6/2011 21:20	4.58	19/6/2011 2:40	4.30	19/6/2011 8:00	5.03	19/6/2011 13:20	5.62	19/6/2011 18:40	5.42
18/6/2011 21:25	4.47	19/6/2011 2:45	4.33	19/6/2011 8:05	5.20	19/6/2011 13:25	5.51	19/6/2011 18:45	5.21
18/6/2011 21:30	4.61	19/6/2011 2:50	4.29	19/6/2011 8:10	5.76	19/6/2011 13:30	5.44	19/6/2011 18:50	5.10
18/6/2011 21:35	4.96	19/6/2011 2:55	4.17	19/6/2011 8:15	6.50	19/6/2011 13:35	5.64	19/6/2011 18:55	4.93
18/6/2011 21:40	5.60	19/6/2011 3:00	4.17	19/6/2011 8:20	5.73	19/6/2011 13:40	5.42	19/6/2011 19:00	4.72
18/6/2011 21:45	5.36	19/6/2011 3:05	3.98	19/6/2011 8:25	5.86	19/6/2011 13:45	5.42	19/6/2011 19:05	4.57
18/6/2011 21:50	5.49	19/6/2011 3:10	3.94	19/6/2011 8:30	5.94	19/6/2011 13:50	5.27	19/6/2011 19:10	4.59
18/6/2011 21:55	5.20	19/6/2011 3:15	3.95	19/6/2011 8:35	6.19	19/6/2011 13:55	4.98	19/6/2011 19:15	4.67
18/6/2011 22:00	5.28	19/6/2011 3:20	3.89	19/6/2011 8:40	5.28	19/6/2011 14:00	5.43	19/6/2011 19:20	4.67
18/6/2011 22:05	5.15	19/6/2011 3:25	3.91	19/6/2011 8:45	5.13	19/6/2011 14:05	5.33	19/6/2011 19:25	4.74
18/6/2011 22:10	4.95	19/6/2011 3:30	3.95	19/6/2011 8:50	5.50	19/6/2011 14:10	4.81	19/6/2011 19:30	4.67
18/6/2011 22:15	4.94	19/6/2011 3:35	4.19	19/6/2011 8:55	5.58	19/6/2011 14:15	5.21	19/6/2011 19:35	4.99
18/6/2011 22:20	4.90	19/6/2011 3:40	4.14	19/6/2011 9:00	5.06	19/6/2011 14:20	5.00	19/6/2011 19:40	4.38
18/6/2011 22:25	5.01	19/6/2011 3:45	4.18	19/6/2011 9:05	5.80	19/6/2011 14:25	5.06	19/6/2011 19:45	5.05
18/6/2011 22:30	4.90	19/6/2011 3:50	4.21	19/6/2011 9:10	6.26	19/6/2011 14:30	5.03	19/6/2011 19:50	4.93
18/6/2011 22:35	4.67	19/6/2011 3:55	4.36	19/6/2011 9:15	6.19	19/6/2011 14:35	5.15	19/6/2011 19:55	5.02
18/6/2011 22:40	4.56	19/6/2011 4:00	4.24	19/6/2011 9:20	5.79	19/6/2011 14:40	4.71	19/6/2011 20:00	4.99
18/6/2011 22:45	4.44	19/6/2011 4:05	4.20	19/6/2011 9:25	6.37	19/6/2011 14:45	4.84	19/6/2011 20:05	4.65
18/6/2011 22:50	4.62	19/6/2011 4:10	4.19	19/6/2011 9:30	6.51	19/6/2011 14:50	4.93	19/6/2011 20:10	4.89
18/6/2011 22:55	4.47	19/6/2011 4:15	4.32	19/6/2011 9:35	5.61	19/6/2011 14:55	5.11	19/6/2011 20:15	4.92
18/6/2011 23:00	4.34	19/6/2011 4:20	4.13	19/6/2011 9:40	6.18	19/6/2011 15:00	4.93	19/6/2011 20:20	4.54
18/6/2011 23:05	4.26	19/6/2011 4:25	4.02	19/6/2011 9:45	5.53	19/6/2011 15:05	4.80	19/6/2011 20:25	4.27
18/6/2011 23:10	4.30	19/6/2011 4:30	4.10	19/6/2011 9:50	5.55	19/6/2011 15:10	4.92	19/6/2011 20:30	4.28
18/6/2011 23:15	4.16	19/6/2011 4:35	4.21	19/6/2011 9:55	6.51	19/6/2011 15:15	5.57	19/6/2011 20:35	4.42
18/6/2011 23:20	4.22	19/6/2011 4:40	4.24	19/6/2011 10:00	5.80	19/6/2011 15:20	4.97	19/6/2011 20:40	4.58
18/6/2011 23:25	4.10	19/6/2011 4:45	4.21	19/6/2011 10:05	6.20	19/6/2011 15:25	4.88	19/6/2011 20:45	4.55
18/6/2011 23:30	4.42	19/6/2011 4:50	4.08	19/6/2011 10:10	5.85	19/6/2011 15:30	4.94	19/6/2011 20:50	4.73
18/6/2011 23:35	4.31	19/6/2011 4:55	4.10	19/6/2011 10:15	5.65	19/6/2011 15:35	5.06	19/6/2011 20:55	4.48
18/6/2011 23:40	4.57	19/6/2011 5:00	4.24	19/6/2011 10:20	6.02	19/6/2011 15:40	5.27	19/6/2011 21:00	4.79
18/6/2011 23:45	4.31	19/6/2011 5:05	4.17	19/6/2011 10:25	5.43	19/6/2011 15:45	4.98	19/6/2011 21:05	4.77
18/6/2011 23:50	4.18	19/6/2011 5:10	4.04	19/6/2011 10:30	6.58	19/6/2011 15:50	5.06	19/6/2011 21:10	5.03
18/6/2011 23:55	4.07	19/6/2011 5:15	4.24	19/6/2011 10:35	6.10	19/6/2011 15:55	5.38	19/6/2011 21:15	4.94
19/6/2011 0:00	4.09	19/6/2011 5:20	4.44	19/6/2011 10:40	6.18	19/6/2011 16:00	4.59	19/6/2011 21:20	4.92
19/6/2011 0:05	4.34	19/6/2011 5:25	4.26	19/6/2011 10:45	6.06	19/6/2011 16:05	4.68	19/6/2011 21:25	5.15
19/6/2011 0:10	4.62	19/6/2011 5:30	4.29	19/6/2011 10:50	5.71	19/6/2011 16:10	4.97	19/6/2011 21:30	4.87
19/6/2011 0:15	4.39	19/6/2011 5:35	4.14	19/6/2011 10:55	5.40	19/6/2011 16:15	5.04	19/6/2011 21:35	4.85
19/6/2011 0:20	4.33	19/6/2011 5:40	4.12	19/6/2011 11:00	5.38	19/6/2011 16:20	5.09	19/6/2011 21:40	5.54
19/6/2011 0:25	4.32	19/6/2011 5:45	4.56	19/6/2011 11:05	5.28	19/6/2011 16:25	5.25	19/6/2011 21:45	5.33
19/6/2011 0:30	4.38	19/6/2011 5:50	5.23	19/6/2011 11:10	5.16	19/6/2011 16:30	4.91	19/6/2011 21:50	5.42
19/6/2011 0:35	4.35	19/6/2011 5:55	5.37	19/6/2011 11:15	5.77	19/6/2011 16:35	4.90	19/6/2011 21:55	5.63
19/6/2011 0:40	4.66	19/6/2011 6:00	5.60	19/6/2011 11:20	5.68	19/6/2011 16:40	5.21	19/6/2011 22:00	5.38

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
19/6/2011 22:05	5.58	20/6/2011 3:25	4.23	20/6/2011 8:45	5.83	20/6/2011 14:05	5.04	20/6/2011 19:25	5.14
19/6/2011 22:10	5.04	20/6/2011 3:30	4.13	20/6/2011 8:50	5.82	20/6/2011 14:10	5.28	20/6/2011 19:30	5.22
19/6/2011 22:15	5.12	20/6/2011 3:35	4.09	20/6/2011 8:55	5.21	20/6/2011 14:15	5.34	20/6/2011 19:35	5.35
19/6/2011 22:20	4.73	20/6/2011 3:40	4.11	20/6/2011 9:00	5.46	20/6/2011 14:20	5.35	20/6/2011 19:40	5.40
19/6/2011 22:25	4.43	20/6/2011 3:45	4.07	20/6/2011 9:05	6.45	20/6/2011 14:25	4.79	20/6/2011 19:45	5.16
19/6/2011 22:30	4.57	20/6/2011 3:50	4.18	20/6/2011 9:10	6.38	20/6/2011 14:30	5.09	20/6/2011 19:50	5.40
19/6/2011 22:35	4.49	20/6/2011 3:55	4.18	20/6/2011 9:15	6.35	20/6/2011 14:35	5.03	20/6/2011 19:55	4.87
19/6/2011 22:40	4.64	20/6/2011 4:00	4.31	20/6/2011 9:20	6.96	20/6/2011 14:40	5.34	20/6/2011 20:00	4.86
19/6/2011 22:45	4.47	20/6/2011 4:05	4.26	20/6/2011 9:25	6.53	20/6/2011 14:45	5.28	20/6/2011 20:05	4.87
19/6/2011 22:50	4.86	20/6/2011 4:10	4.32	20/6/2011 9:30	5.30	20/6/2011 14:50	5.03	20/6/2011 20:10	5.19
19/6/2011 22:55	4.64	20/6/2011 4:15	4.42	20/6/2011 9:35	6.23	20/6/2011 14:55	5.55	20/6/2011 20:15	5.18
19/6/2011 23:00	5.13	20/6/2011 4:20	4.28	20/6/2011 9:40	6.09	20/6/2011 15:00	5.00	20/6/2011 20:20	5.20
19/6/2011 23:05	4.92	20/6/2011 4:25	4.53	20/6/2011 9:45	5.58	20/6/2011 15:05	5.57	20/6/2011 20:25	4.81
19/6/2011 23:10	5.12	20/6/2011 4:30	4.50	20/6/2011 9:50	5.50	20/6/2011 15:10	5.08	20/6/2011 20:30	4.85
19/6/2011 23:15	5.09	20/6/2011 4:35	4.39	20/6/2011 9:55	6.17	20/6/2011 15:15	4.91	20/6/2011 20:35	4.52
19/6/2011 23:20	5.20	20/6/2011 4:40	4.24	20/6/2011 10:00	5.67	20/6/2011 15:20	4.89	20/6/2011 20:40	4.76
19/6/2011 23:25	4.99	20/6/2011 4:45	4.35	20/6/2011 10:05	5.87	20/6/2011 15:25	4.45	20/6/2011 20:45	4.96
19/6/2011 23:30	4.98	20/6/2011 4:50	4.37	20/6/2011 10:10	5.96	20/6/2011 15:30	4.75	20/6/2011 20:50	5.10
19/6/2011 23:35	4.94	20/6/2011 4:55	4.26	20/6/2011 10:15	5.99	20/6/2011 15:35	4.59	20/6/2011 20:55	4.83
19/6/2011 23:40	4.94	20/6/2011 5:00	4.15	20/6/2011 10:20	6.09	20/6/2011 15:40	4.85	20/6/2011 21:00	4.87
19/6/2011 23:45	4.85	20/6/2011 5:05	4.28	20/6/2011 10:25	6.53	20/6/2011 15:45	4.66	20/6/2011 21:05	4.62
19/6/2011 23:50	4.82	20/6/2011 5:10	4.31	20/6/2011 10:30	6.73	20/6/2011 15:50	4.65	20/6/2011 21:10	4.49
19/6/2011 23:55	4.74	20/6/2011 5:15	4.14	20/6/2011 10:35	8.10	20/6/2011 15:55	5.17	20/6/2011 21:15	4.95
20/6/2011 0:00	4.88	20/6/2011 5:20	4.45	20/6/2011 10:40	8.51	20/6/2011 16:00	4.68	20/6/2011 21:20	5.70
20/6/2011 0:05	4.97	20/6/2011 5:25	4.30	20/6/2011 10:45	6.63	20/6/2011 16:05	5.16	20/6/2011 21:25	5.28
20/6/2011 0:10	4.80	20/6/2011 5:30	4.33	20/6/2011 10:50	6.84	20/6/2011 16:10	4.98	20/6/2011 21:30	5.33
20/6/2011 0:15	4.97	20/6/2011 5:35	4.33	20/6/2011 10:55	6.42	20/6/2011 16:15	4.99	20/6/2011 21:35	5.22
20/6/2011 0:20	4.76	20/6/2011 5:40	4.40	20/6/2011 11:00	6.09	20/6/2011 16:20	5.07	20/6/2011 21:40	5.78
20/6/2011 0:25	4.53	20/6/2011 5:45	4.18	20/6/2011 11:05	6.61	20/6/2011 16:25	4.67	20/6/2011 21:45	5.77
20/6/2011 0:30	4.40	20/6/2011 5:50	4.43	20/6/2011 11:10	6.95	20/6/2011 16:30	5.17	20/6/2011 21:50	6.36
20/6/2011 0:35	4.32	20/6/2011 5:55	4.48	20/6/2011 11:15	6.08	20/6/2011 16:35	4.96	20/6/2011 21:55	6.46
20/6/2011 0:40	4.13	20/6/2011 6:00	4.45	20/6/2011 11:20	6.65	20/6/2011 16:40	4.98	20/6/2011 22:00	5.70
20/6/2011 0:45	4.34	20/6/2011 6:05	4.63	20/6/2011 11:25	5.46	20/6/2011 16:45	4.92	20/6/2011 22:05	5.95
20/6/2011 0:50	4.53	20/6/2011 6:10	4.35	20/6/2011 11:30	6.41	20/6/2011 16:50	5.20	20/6/2011 22:10	6.09
20/6/2011 0:55	4.40	20/6/2011 6:15	4.25	20/6/2011 11:35	6.51	20/6/2011 16:55	4.86	20/6/2011 22:15	5.72
20/6/2011 1:00	4.55	20/6/2011 6:20	4.70	20/6/2011 11:40	6.62	20/6/2011 17:00	4.77	20/6/2011 22:20	5.85
20/6/2011 1:05	4.27	20/6/2011 6:25	4.50	20/6/2011 11:45	6.40	20/6/2011 17:05	5.17	20/6/2011 22:25	5.60
20/6/2011 1:10	4.36	20/6/2011 6:30	4.56	20/6/2011 11:50	5.05	20/6/2011 17:10	5.11	20/6/2011 22:30	5.78
20/6/2011 1:15	4.44	20/6/2011 6:35	4.75	20/6/2011 11:55	5.50	20/6/2011 17:15	5.30	20/6/2011 22:35	5.33
20/6/2011 1:20	4.35	20/6/2011 6:40	4.93	20/6/2011 12:00	6.14	20/6/2011 17:20	5.77	20/6/2011 22:40	5.89
20/6/2011 1:25	4.41	20/6/2011 6:45	7.05	20/6/2011 12:05	5.43	20/6/2011 17:25	5.20	20/6/2011 22:45	5.87
20/6/2011 1:30	4.43	20/6/2011 6:50	6.75	20/6/2011 12:10	6.20	20/6/2011 17:30	4.97	20/6/2011 22:50	6.13
20/6/2011 1:35	4.22	20/6/2011 6:55	6.05	20/6/2011 12:15	5.60	20/6/2011 17:35	4.96	20/6/2011 22:55	5.74
20/6/2011 1:40	4.52	20/6/2011 7:00	6.37	20/6/2011 12:20	5.66	20/6/2011 17:40	4.90	20/6/2011 23:00	5.53
20/6/2011 1:45	4.33	20/6/2011 7:05	6.72	20/6/2011 12:25	5.59	20/6/2011 17:45	4.99	20/6/2011 23:05	5.71
20/6/2011 1:50	4.47	20/6/2011 7:10	6.51	20/6/2011 12:30	6.75	20/6/2011 17:50	5.17	20/6/2011 23:10	5.64
20/6/2011 1:55	4.50	20/6/2011 7:15	6.72	20/6/2011 12:35	6.53	20/6/2011 17:55	5.03	20/6/2011 23:15	5.39
20/6/2011 2:00	4.35	20/6/2011 7:20	6.80	20/6/2011 12:40	5.02	20/6/2011 18:00	5.20	20/6/2011 23:20	5.19
20/6/2011 2:05	4.34	20/6/2011 7:25	8.92	20/6/2011 12:45	6.49	20/6/2011 18:05	5.07	20/6/2011 23:25	5.03
20/6/2011 2:10	4.12	20/6/2011 7:30	8.33	20/6/2011 12:50	5.71	20/6/2011 18:10	4.81	20/6/2011 23:30	5.00
20/6/2011 2:15	4.10	20/6/2011 7:35	7.22	20/6/2011 12:55	5.27	20/6/2011 18:15	5.16	20/6/2011 23:35	4.78
20/6/2011 2:20	4.05	20/6/2011 7:40	7.71	20/6/2011 13:00	4.78	20/6/2011 18:20	5.54	20/6/2011 23:40	4.81
20/6/2011 2:25	4.37	20/6/2011 7:45	7.45	20/6/2011 13:05	5.16	20/6/2011 18:25	5.06	20/6/2011 23:45	4.76
20/6/2011 2:30	4.51	20/6/2011 7:50	7.11	20/6/2011 13:10	5.40	20/6/2011 18:30	5.11	20/6/2011 23:50	4.70
20/6/2011 2:35	4.45	20/6/2011 7:55	6.43	20/6/2011 13:15	5.02	20/6/2011 18:35	5.13	20/6/2011 23:55	4.71
20/6/2011 2:40	4.87	20/6/2011 8:00	6.86	20/6/2011 13:20	5.66	20/6/2011 18:40	5.58	21/6/2011 0:00	4.90
20/6/2011 2:45	4.57	20/6/2011 8:05	6.44	20/6/2011 13:25	5.06	20/6/2011 18:45	5.18	21/6/2011 0:05	5.01
20/6/2011 2:50	4.63	20/6/2011 8:10	5.60	20/6/2011 13:30	6.37	20/6/2011 18:50	5.49	21/6/2011 0:10	4.91
20/6/2011 2:55	4.56	20/6/2011 8:15	6.47	20/6/2011 13:35	5.39	20/6/2011 18:55	5.41	21/6/2011 0:15	5.00
20/6/2011 3:00	4.66	20/6/2011 8:20	5.69	20/6/2011 13:40	6.67	20/6/2011 19:00	5.66	21/6/2011 0:20	5.19
20/6/2011 3:05	4.55	20/6/2011 8:25	6.36	20/6/2011 13:45	5.78	20/6/2011 19:05	5.15	21/6/2011 0:25	5.22
20/6/2011 3:10	4.33	20/6/2011 8:30	6.22	20/6/2011 13:50	5.96	20/6/2011 19:10	5.73	21/6/2011 0:30	5.37
20/6/2011 3:15	4.33	20/6/2011 8:35	5.85	20/6/2011 13:55	5.64	20/6/2011 19:15	5.94	21/6/2011 0:35	5.47
20/6/2011 3:20	4.32	20/6/2011 8:40	6.30	20/6/2011 14:00	5.52	20/6/2011 19:20	5.56	21/6/2011 0:40	5.34

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
21/6/2011 0:45	5.35	21/6/2011 6:05	4.44	21/6/2011 11:25	7.13	21/6/2011 16:45	5.38	21/6/2011 22:05	4.98
21/6/2011 0:50	5.09	21/6/2011 6:10	4.82	21/6/2011 11:30	7.11	21/6/2011 16:50	5.80	21/6/2011 22:10	4.92
21/6/2011 0:55	5.07	21/6/2011 6:15	4.36	21/6/2011 11:35	6.49	21/6/2011 16:55	5.42	21/6/2011 22:15	5.22
21/6/2011 1:00	5.03	21/6/2011 6:20	4.77	21/6/2011 11:40	6.86	21/6/2011 17:00	5.76	21/6/2011 22:20	5.38
21/6/2011 1:05	4.73	21/6/2011 6:25	4.74	21/6/2011 11:45	6.75	21/6/2011 17:05	5.66	21/6/2011 22:25	4.78
21/6/2011 1:10	4.66	21/6/2011 6:30	4.74	21/6/2011 11:50	6.45	21/6/2011 17:10	5.58	21/6/2011 22:30	4.90
21/6/2011 1:15	4.58	21/6/2011 6:35	5.07	21/6/2011 11:55	6.85	21/6/2011 17:15	5.66	21/6/2011 22:35	5.22
21/6/2011 1:20	4.62	21/6/2011 6:40	5.25	21/6/2011 12:00	6.24	21/6/2011 17:20	5.58	21/6/2011 22:40	5.42
21/6/2011 1:25	5.09	21/6/2011 6:45	4.61	21/6/2011 12:05	7.12	21/6/2011 17:25	5.66	21/6/2011 22:45	5.62
21/6/2011 1:30	5.28	21/6/2011 6:50	4.71	21/6/2011 12:10	6.37	21/6/2011 17:30	5.08	21/6/2011 22:50	5.86
21/6/2011 1:35	4.89	21/6/2011 6:55	4.55	21/6/2011 12:15	7.01	21/6/2011 17:35	5.42	21/6/2011 22:55	6.10
21/6/2011 1:40	4.58	21/6/2011 7:00	4.52	21/6/2011 12:20	6.34	21/6/2011 17:40	5.38	21/6/2011 23:00	5.94
21/6/2011 1:45	4.40	21/6/2011 7:05	4.77	21/6/2011 12:25	6.57	21/6/2011 17:45	5.34	21/6/2011 23:05	5.78
21/6/2011 1:50	4.26	21/6/2011 7:10	5.16	21/6/2011 12:30	6.15	21/6/2011 17:50	5.38	21/6/2011 23:10	5.54
21/6/2011 1:55	4.22	21/6/2011 7:15	4.73	21/6/2011 12:35	7.15	21/6/2011 17:55	5.42	21/6/2011 23:15	5.40
21/6/2011 2:00	4.29	21/6/2011 7:20	4.94	21/6/2011 12:40	5.98	21/6/2011 18:00	5.44	21/6/2011 23:20	5.04
21/6/2011 2:05	4.24	21/6/2011 7:25	4.80	21/6/2011 12:45	5.91	21/6/2011 18:05	6.00	21/6/2011 23:25	4.98
21/6/2011 2:10	4.24	21/6/2011 7:30	4.38	21/6/2011 12:50	6.85	21/6/2011 18:10	5.24	21/6/2011 23:30	5.20
21/6/2011 2:15	4.41	21/6/2011 7:35	4.50	21/6/2011 12:55	5.82	21/6/2011 18:15	5.34	21/6/2011 23:35	5.12
21/6/2011 2:20	4.66	21/6/2011 7:40	4.80	21/6/2011 13:00	5.95	21/6/2011 18:20	5.38	21/6/2011 23:40	5.44
21/6/2011 2:25	4.56	21/6/2011 7:45	4.92	21/6/2011 13:05	7.36	21/6/2011 18:25	5.58	21/6/2011 23:45	5.52
21/6/2011 2:30	4.55	21/6/2011 7:50	4.92	21/6/2011 13:10	6.51	21/6/2011 18:30	5.42	21/6/2011 23:50	5.52
21/6/2011 2:35	4.55	21/6/2011 7:55	5.03	21/6/2011 13:15	6.19	21/6/2011 18:35	5.34	21/6/2011 23:55	5.84
21/6/2011 2:40	4.58	21/6/2011 8:00	5.51	21/6/2011 13:20	6.37	21/6/2011 18:40	5.16	22/6/2011 0:00	5.36
21/6/2011 2:45	4.46	21/6/2011 8:05	5.40	21/6/2011 13:25	5.93	21/6/2011 18:45	5.50	22/6/2011 0:05	5.32
21/6/2011 2:50	4.47	21/6/2011 8:10	6.04	21/6/2011 13:30	5.17	21/6/2011 18:50	5.32	22/6/2011 0:10	5.08
21/6/2011 2:55	4.42	21/6/2011 8:15	6.94	21/6/2011 13:35	6.26	21/6/2011 18:55	5.28	22/6/2011 0:15	5.08
21/6/2011 3:00	4.32	21/6/2011 8:20	8.03	21/6/2011 13:40	5.46	21/6/2011 19:00	5.48	22/6/2011 0:20	5.30
21/6/2011 3:05	4.37	21/6/2011 8:25	6.85	21/6/2011 13:45	6.21	21/6/2011 19:05	5.90	22/6/2011 0:25	5.30
21/6/2011 3:10	4.54	21/6/2011 8:30	6.28	21/6/2011 13:50	6.66	21/6/2011 19:10	5.76	22/6/2011 0:30	5.22
21/6/2011 3:15	4.67	21/6/2011 8:35	6.17	21/6/2011 13:55	5.94	21/6/2011 19:15	5.68	22/6/2011 0:35	5.20
21/6/2011 3:20	4.88	21/6/2011 8:40	5.62	21/6/2011 14:00	6.14	21/6/2011 19:20	5.74	22/6/2011 0:40	5.04
21/6/2011 3:25	4.77	21/6/2011 8:45	6.66	21/6/2011 14:05	5.80	21/6/2011 19:25	5.96	22/6/2011 0:45	4.90
21/6/2011 3:30	4.48	21/6/2011 8:50	6.22	21/6/2011 14:10	5.64	21/6/2011 19:30	5.88	22/6/2011 0:50	4.74
21/6/2011 3:35	4.81	21/6/2011 8:55	6.18	21/6/2011 14:15	6.13	21/6/2011 19:35	6.30	22/6/2011 0:55	4.76
21/6/2011 3:40	4.32	21/6/2011 9:00	6.65	21/6/2011 14:20	4.78	21/6/2011 19:40	5.98	22/6/2011 1:00	4.84
21/6/2011 3:45	4.96	21/6/2011 9:05	6.31	21/6/2011 14:25	4.88	21/6/2011 19:45	6.10	22/6/2011 1:05	4.76
21/6/2011 3:50	4.40	21/6/2011 9:10	6.37	21/6/2011 14:30	4.98	21/6/2011 19:50	5.86	22/6/2011 1:10	4.76
21/6/2011 3:55	4.89	21/6/2011 9:15	6.21	21/6/2011 14:35	5.02	21/6/2011 19:55	5.90	22/6/2011 1:15	4.64
21/6/2011 4:00	4.52	21/6/2011 9:20	7.81	21/6/2011 14:40	5.31	21/6/2011 20:00	5.62	22/6/2011 1:20	4.74
21/6/2011 4:05	4.71	21/6/2011 9:25	7.26	21/6/2011 14:45	5.42	21/6/2011 20:05	5.72	22/6/2011 1:25	4.64
21/6/2011 4:10	4.36	21/6/2011 9:30	5.91	21/6/2011 14:50	5.72	21/6/2011 20:10	5.84	22/6/2011 1:30	4.72
21/6/2011 4:15	4.36	21/6/2011 9:35	6.13	21/6/2011 14:55	5.65	21/6/2011 20:15	6.18	22/6/2011 1:35	4.88
21/6/2011 4:20	4.38	21/6/2011 9:40	6.66	21/6/2011 15:00	7.14	21/6/2011 20:20	6.32	22/6/2011 1:40	4.98
21/6/2011 4:25	4.34	21/6/2011 9:45	6.77	21/6/2011 15:05	5.80	21/6/2011 20:25	5.96	22/6/2011 1:45	5.06
21/6/2011 4:30	4.13	21/6/2011 9:50	6.71	21/6/2011 15:10	5.76	21/6/2011 20:30	5.70	22/6/2011 1:50	4.92
21/6/2011 4:35	4.28	21/6/2011 9:55	6.53	21/6/2011 15:15	5.82	21/6/2011 20:35	5.44	22/6/2011 1:55	4.82
21/6/2011 4:40	4.23	21/6/2011 10:00	6.52	21/6/2011 15:20	5.38	21/6/2011 20:40	5.32	22/6/2011 2:00	4.94
21/6/2011 4:45	4.47	21/6/2011 10:05	7.04	21/6/2011 15:25	5.84	21/6/2011 20:45	5.16	22/6/2011 2:05	5.20
21/6/2011 4:50	4.57	21/6/2011 10:10	6.76	21/6/2011 15:30	5.44	21/6/2011 20:50	4.98	22/6/2011 2:10	5.20
21/6/2011 4:55	4.24	21/6/2011 10:15	6.57	21/6/2011 15:35	5.98	21/6/2011 20:55	5.00	22/6/2011 2:15	5.40
21/6/2011 5:00	4.44	21/6/2011 10:20	6.65	21/6/2011 15:40	5.58	21/6/2011 21:00	5.00	22/6/2011 2:20	5.44
21/6/2011 5:05	4.78	21/6/2011 10:25	7.35	21/6/2011 15:45	5.98	21/6/2011 21:05	4.82	22/6/2011 2:25	5.48
21/6/2011 5:10	4.27	21/6/2011 10:30	6.16	21/6/2011 15:50	6.02	21/6/2011 21:10	4.74	22/6/2011 2:30	5.50
21/6/2011 5:15	4.62	21/6/2011 10:35	7.06	21/6/2011 15:55	5.66	21/6/2011 21:15	5.04	22/6/2011 2:35	5.46
21/6/2011 5:20	4.65	21/6/2011 10:40	6.35	21/6/2011 16:00	5.76	21/6/2011 21:20	5.08	22/6/2011 2:40	5.64
21/6/2011 5:25	4.53	21/6/2011 10:45	6.43	21/6/2011 16:05	5.22	21/6/2011 21:25	5.00	22/6/2011 2:45	5.42
21/6/2011 5:30	4.58	21/6/2011 10:50	7.33	21/6/2011 16:10	5.50	21/6/2011 21:30	4.94	22/6/2011 2:50	5.62
21/6/2011 5:35	4.41	21/6/2011 10:55	6.39	21/6/2011 16:15	5.56	21/6/2011 21:35	4.92	22/6/2011 2:55	5.54
21/6/2011 5:40	4.31	21/6/2011 11:00	6.09	21/6/2011 16:20	5.70	21/6/2011 21:40	4.82	22/6/2011 3:00	5.54
21/6/2011 5:45	4.38	21/6/2011 11:05	6.62	21/6/2011 16:25	5.64	21/6/2011 21:45	4.66	22/6/2011 3:05	5.40
21/6/2011 5:50	4.68	21/6/2011 11:10	6.94	21/6/2011 16:30	5.58	21/6/2011 21:50	4.74	22/6/2011 3:10	5.68
21/6/2011 5:55	4.79	21/6/2011 11:15	7.68	21/6/2011 16:35	5.74	21/6/2011 21:55	4.80	22/6/2011 3:15	5.58
21/6/2011 6:00	4.65	21/6/2011 11:20	7.40	21/6/2011 16:40	5.60	21/6/2011 22:00	5.02	22/6/2011 3:20	5.58

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
22/6/2011 3:25	5.54	22/6/2011 8:45	5.90	22/6/2011 14:05	6.44	22/6/2011 19:25	5.98	23/6/2011 0:45	4.60
22/6/2011 3:30	5.38	22/6/2011 8:50	5.50	22/6/2011 14:10	5.96	22/6/2011 19:30	6.12	23/6/2011 0:50	4.50
22/6/2011 3:35	5.12	22/6/2011 8:55	5.90	22/6/2011 14:15	6.04	22/6/2011 19:35	6.30	23/6/2011 0:55	4.40
22/6/2011 3:40	4.88	22/6/2011 9:00	6.54	22/6/2011 14:20	5.98	22/6/2011 19:40	6.24	23/6/2011 1:00	4.50
22/6/2011 3:45	4.72	22/6/2011 9:05	6.90	22/6/2011 14:25	6.18	22/6/2011 19:45	5.94	23/6/2011 1:05	4.54
22/6/2011 3:50	4.88	22/6/2011 9:10	6.82	22/6/2011 14:30	6.64	22/6/2011 19:50	6.16	23/6/2011 1:10	4.56
22/6/2011 3:55	5.44	22/6/2011 9:15	6.94	22/6/2011 14:35	5.94	22/6/2011 19:55	6.18	23/6/2011 1:15	4.56
22/6/2011 4:00	5.30	22/6/2011 9:20	7.10	22/6/2011 14:40	5.86	22/6/2011 20:00	6.12	23/6/2011 1:20	4.50
22/6/2011 4:05	4.98	22/6/2011 9:25	7.06	22/6/2011 14:45	6.58	22/6/2011 20:05	6.14	23/6/2011 1:25	4.46
22/6/2011 4:10	4.72	22/6/2011 9:30	7.42	22/6/2011 14:50	6.42	22/6/2011 20:10	6.02	23/6/2011 1:30	4.42
22/6/2011 4:15	4.54	22/6/2011 9:35	6.30	22/6/2011 14:55	6.28	22/6/2011 20:15	6.20	23/6/2011 1:35	4.38
22/6/2011 4:20	4.76	22/6/2011 9:40	6.58	22/6/2011 15:00	6.12	22/6/2011 20:20	5.66	23/6/2011 1:40	4.38
22/6/2011 4:25	5.16	22/6/2011 9:45	7.06	22/6/2011 15:05	5.66	22/6/2011 20:25	5.80	23/6/2011 1:45	4.36
22/6/2011 4:30	4.96	22/6/2011 9:50	7.12	22/6/2011 15:10	6.50	22/6/2011 20:30	5.68	23/6/2011 1:50	4.36
22/6/2011 4:35	4.78	22/6/2011 9:55	6.86	22/6/2011 15:15	6.08	22/6/2011 20:35	5.78	23/6/2011 1:55	4.36
22/6/2011 4:40	4.68	22/6/2011 10:00	6.20	22/6/2011 15:20	6.34	22/6/2011 20:40	5.74	23/6/2011 2:00	4.40
22/6/2011 4:45	4.66	22/6/2011 10:05	7.04	22/6/2011 15:25	6.32	22/6/2011 20:45	6.12	23/6/2011 2:05	4.52
22/6/2011 4:50	4.70	22/6/2011 10:10	7.26	22/6/2011 15:30	6.18	22/6/2011 20:50	5.78	23/6/2011 2:10	4.26
22/6/2011 4:55	5.04	22/6/2011 10:15	6.82	22/6/2011 15:35	6.10	22/6/2011 20:55	6.00	23/6/2011 2:15	4.32
22/6/2011 5:00	4.94	22/6/2011 10:20	7.80	22/6/2011 15:40	6.02	22/6/2011 21:00	6.18	23/6/2011 2:20	4.26
22/6/2011 5:05	4.82	22/6/2011 10:25	7.54	22/6/2011 15:45	5.68	22/6/2011 21:05	6.28	23/6/2011 2:25	4.30
22/6/2011 5:10	4.78	22/6/2011 10:30	7.54	22/6/2011 15:50	5.80	22/6/2011 21:10	6.04	23/6/2011 2:30	4.38
22/6/2011 5:15	4.64	22/6/2011 10:35	7.36	22/6/2011 15:55	5.70	22/6/2011 21:15	6.52	23/6/2011 2:35	4.36
22/6/2011 5:20	4.48	22/6/2011 10:40	7.14	22/6/2011 16:00	6.20	22/6/2011 21:20	6.58	23/6/2011 2:40	4.28
22/6/2011 5:25	4.46	22/6/2011 10:45	7.74	22/6/2011 16:05	5.80	22/6/2011 21:25	6.00	23/6/2011 2:45	4.28
22/6/2011 5:30	4.48	22/6/2011 10:50	7.44	22/6/2011 16:10	5.78	22/6/2011 21:30	5.58	23/6/2011 2:50	4.32
22/6/2011 5:35	4.54	22/6/2011 10:55	7.02	22/6/2011 16:15	6.06	22/6/2011 21:35	5.12	23/6/2011 2:55	4.32
22/6/2011 5:40	4.50	22/6/2011 11:00	7.06	22/6/2011 16:20	5.90	22/6/2011 21:40	5.00	23/6/2011 3:00	4.32
22/6/2011 5:45	4.48	22/6/2011 11:05	7.74	22/6/2011 16:25	6.08	22/6/2011 21:45	5.04	23/6/2011 3:05	4.40
22/6/2011 5:50	4.56	22/6/2011 11:10	7.02	22/6/2011 16:30	6.26	22/6/2011 21:50	5.00	23/6/2011 3:10	4.50
22/6/2011 5:55	4.54	22/6/2011 11:15	7.00	22/6/2011 16:35	6.02	22/6/2011 21:55	4.90	23/6/2011 3:15	4.38
22/6/2011 6:00	4.64	22/6/2011 11:20	6.94	22/6/2011 16:40	6.32	22/6/2011 22:00	4.72	23/6/2011 3:20	4.28
22/6/2011 6:05	4.78	22/6/2011 11:25	6.46	22/6/2011 16:45	5.86	22/6/2011 22:05	4.72	23/6/2011 3:25	4.28
22/6/2011 6:10	4.76	22/6/2011 11:30	6.54	22/6/2011 16:50	5.88	22/6/2011 22:10	4.82	23/6/2011 3:30	4.18
22/6/2011 6:15	4.78	22/6/2011 11:35	6.54	22/6/2011 16:55	6.16	22/6/2011 22:15	5.04	23/6/2011 3:35	4.20
22/6/2011 6:20	4.82	22/6/2011 11:40	6.34	22/6/2011 17:00	6.86	22/6/2011 22:20	4.96	23/6/2011 3:40	4.16
22/6/2011 6:25	4.76	22/6/2011 11:45	6.94	22/6/2011 17:05	6.40	22/6/2011 22:25	4.72	23/6/2011 3:45	4.28
22/6/2011 6:30	4.84	22/6/2011 11:50	6.78	22/6/2011 17:10	6.18	22/6/2011 22:30	4.74	23/6/2011 3:50	4.18
22/6/2011 6:35	4.70	22/6/2011 11:55	6.60	22/6/2011 17:15	6.44	22/6/2011 22:35	4.72	23/6/2011 3:55	4.20
22/6/2011 6:40	4.72	22/6/2011 12:00	7.28	22/6/2011 17:20	6.02	22/6/2011 22:40	4.92	23/6/2011 4:00	4.32
22/6/2011 6:45	4.68	22/6/2011 12:05	7.32	22/6/2011 17:25	6.12	22/6/2011 22:45	4.84	23/6/2011 4:05	4.30
22/6/2011 6:50	4.70	22/6/2011 12:10	6.84	22/6/2011 17:30	6.10	22/6/2011 22:50	4.70	23/6/2011 4:10	4.36
22/6/2011 6:55	4.60	22/6/2011 12:15	7.22	22/6/2011 17:35	6.44	22/6/2011 22:55	4.50	23/6/2011 4:15	4.36
22/6/2011 7:00	4.64	22/6/2011 12:20	7.18	22/6/2011 17:40	6.30	22/6/2011 23:00	4.68	23/6/2011 4:20	4.32
22/6/2011 7:05	4.56	22/6/2011 12:25	7.60	22/6/2011 17:45	6.30	22/6/2011 23:05	4.62	23/6/2011 4:25	4.32
22/6/2011 7:10	4.54	22/6/2011 12:30	7.60	22/6/2011 17:50	6.18	22/6/2011 23:10	4.74	23/6/2011 4:30	4.44
22/6/2011 7:15	4.74	22/6/2011 12:35	7.54	22/6/2011 17:55	6.26	22/6/2011 23:15	4.58	23/6/2011 4:35	4.50
22/6/2011 7:20	4.84	22/6/2011 12:40	7.92	22/6/2011 18:00	5.90	22/6/2011 23:20	4.62	23/6/2011 4:40	4.34
22/6/2011 7:25	4.74	22/6/2011 12:45	7.54	22/6/2011 18:05	5.56	22/6/2011 23:25	5.06	23/6/2011 4:45	4.20
22/6/2011 7:30	5.16	22/6/2011 12:50	7.48	22/6/2011 18:10	5.38	22/6/2011 23:30	4.80	23/6/2011 4:50	4.24
22/6/2011 7:35	4.80	22/6/2011 12:55	7.18	22/6/2011 18:15	5.32	22/6/2011 23:35	4.82	23/6/2011 4:55	4.18
22/6/2011 7:40	5.02	22/6/2011 13:00	7.30	22/6/2011 18:20	5.52	22/6/2011 23:40	4.62	23/6/2011 5:00	4.32
22/6/2011 7:45	5.08	22/6/2011 13:05	7.02	22/6/2011 18:25	5.58	22/6/2011 23:45	4.74	23/6/2011 5:05	4.36
22/6/2011 7:50	4.78	22/6/2011 13:10	7.12	22/6/2011 18:30	5.46	22/6/2011 23:50	4.62	23/6/2011 5:10	4.34
22/6/2011 7:55	4.68	22/6/2011 13:15	6.56	22/6/2011 18:35	5.32	22/6/2011 23:55	4.60	23/6/2011 5:15	4.58
22/6/2011 8:00	4.80	22/6/2011 13:20	6.60	22/6/2011 18:40	5.48	23/6/2011 0:00	4.70	23/6/2011 5:20	4.46
22/6/2011 8:05	4.78	22/6/2011 13:25	6.22	22/6/2011 18:45	5.70	23/6/2011 0:05	4.50	23/6/2011 5:25	4.44
22/6/2011 8:10	4.64	22/6/2011 13:30	6.62	22/6/2011 18:50	5.84	23/6/2011 0:10	4.52	23/6/2011 5:30	4.42
22/6/2011 8:15	4.50	22/6/2011 13:35	6.68	22/6/2011 18:55	6.12	23/6/2011 0:15	4.40	23/6/2011 5:35	4.36
22/6/2011 8:20	4.74	22/6/2011 13:40	6.84	22/6/2011 19:00	6.08	23/6/2011 0:20	4.48	23/6/2011 5:40	4.30
22/6/2011 8:25	4.84	22/6/2011 13:45	7.16	22/6/2011 19:05	5.76	23/6/2011 0:25	4.46	23/6/2011 5:45	4.32
22/6/2011 8:30	5.06	22/6/2011 13:50	6.78	22/6/2011 19:10	6.26	23/6/2011 0:30	4.60	23/6/2011 5:50	4.40
22/6/2011 8:35	5.24	22/6/2011 13:55	6.84	22/6/2011 19:15	5.72	23/6/2011 0:35	4.48	23/6/2011 5:55	4.32
22/6/2011 8:40	5.44	22/6/2011 14:00	6.70	22/6/2011 19:20	5.80	23/6/2011 0:40	4.56	23/6/2011 6:00	4.44

\*\*\* Remarks: No power supply from the Windsor House Pumping House



## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
23/6/2011 6:05	4.56	23/6/2011 11:25	5.06	23/6/2011 16:45	4.76	23/6/2011 22:05	4.88	24/6/2011 3:25	4.20
23/6/2011 6:10	4.38	23/6/2011 11:30	5.32	23/6/2011 16:50	4.96	23/6/2011 22:10	5.02	24/6/2011 3:30	4.14
23/6/2011 6:15	4.50	23/6/2011 11:35	5.48	23/6/2011 16:55	5.04	23/6/2011 22:15	5.36	24/6/2011 3:35	4.12
23/6/2011 6:20	4.52	23/6/2011 11:40	5.68	23/6/2011 17:00	4.98	23/6/2011 22:20	5.22	24/6/2011 3:40	4.08
23/6/2011 6:25	4.66	23/6/2011 11:45	5.40	23/6/2011 17:05	4.90	23/6/2011 22:25	4.82	24/6/2011 3:45	4.10
23/6/2011 6:30	4.70	23/6/2011 11:50	5.66	23/6/2011 17:10	4.88	23/6/2011 22:30	4.70	24/6/2011 3:50	4.12
23/6/2011 6:35	4.88	23/6/2011 11:55	5.46	23/6/2011 17:15	4.90	23/6/2011 22:35	4.58	24/6/2011 3:55	4.12
23/6/2011 6:40	4.58	23/6/2011 12:00	5.64	23/6/2011 17:20	4.90	23/6/2011 22:40	4.48	24/6/2011 4:00	4.12
23/6/2011 6:45	4.44	23/6/2011 12:05	5.72	23/6/2011 17:25	4.82	23/6/2011 22:45	4.38	24/6/2011 4:05	4.10
23/6/2011 6:50	4.28	23/6/2011 12:10	5.64	23/6/2011 17:30	5.06	23/6/2011 22:50	4.32	24/6/2011 4:10	4.12
23/6/2011 6:55	4.28	23/6/2011 12:15	5.68	23/6/2011 17:35	5.36	23/6/2011 22:55	4.34	24/6/2011 4:15	4.14
23/6/2011 7:00	4.26	23/6/2011 12:20	5.52	23/6/2011 17:40	5.30	23/6/2011 23:00	4.44	24/6/2011 4:20	4.18
23/6/2011 7:05	4.12	23/6/2011 12:25	5.88	23/6/2011 17:45	4.88	23/6/2011 23:05	4.38	24/6/2011 4:25	4.10
23/6/2011 7:10	4.24	23/6/2011 12:30	5.96	23/6/2011 17:50	4.84	23/6/2011 23:10	4.42	24/6/2011 4:30	4.16
23/6/2011 7:15	4.28	23/6/2011 12:35	5.80	23/6/2011 17:55	4.98	23/6/2011 23:15	4.50	24/6/2011 4:35	4.12
23/6/2011 7:20	4.26	23/6/2011 12:40	5.68	23/6/2011 18:00	4.98	23/6/2011 23:20	4.46	24/6/2011 4:40	4.08
23/6/2011 7:25	4.38	23/6/2011 12:45	5.76	23/6/2011 18:05	5.00	23/6/2011 23:25	4.38	24/6/2011 4:45	3.98
23/6/2011 7:30	4.34	23/6/2011 12:50	5.80	23/6/2011 18:10	4.90	23/6/2011 23:30	4.54	24/6/2011 4:50	4.12
23/6/2011 7:35	4.60	23/6/2011 12:55	5.72	23/6/2011 18:15	5.30	23/6/2011 23:35	4.36	24/6/2011 4:55	4.08
23/6/2011 7:40	4.54	23/6/2011 13:00	5.18	23/6/2011 18:20	4.96	23/6/2011 23:40	4.28	24/6/2011 5:00	4.06
23/6/2011 7:45	4.52	23/6/2011 13:05	5.48	23/6/2011 18:25	4.96	23/6/2011 23:45	4.34	24/6/2011 5:05	4.12
23/6/2011 7:50	4.68	23/6/2011 13:10	5.38	23/6/2011 18:30	4.88	23/6/2011 23:50	4.26	24/6/2011 5:10	4.12
23/6/2011 7:55	4.46	23/6/2011 13:15	5.74	23/6/2011 18:35	5.06	23/6/2011 23:55	4.26	24/6/2011 5:15	4.08
23/6/2011 8:00	4.50	23/6/2011 13:20	5.60	23/6/2011 18:40	5.00	24/6/2011 0:00	4.30	24/6/2011 5:20	4.12
23/6/2011 8:05	4.60	23/6/2011 13:25	5.40	23/6/2011 18:45	5.02	24/6/2011 0:05	4.28	24/6/2011 5:25	4.16
23/6/2011 8:10	4.52	23/6/2011 13:30	5.44	23/6/2011 18:50	5.10	24/6/2011 0:10	4.14	24/6/2011 5:30	4.12
23/6/2011 8:15	4.32	23/6/2011 13:35	5.38	23/6/2011 18:55	5.24	24/6/2011 0:15	4.16	24/6/2011 5:35	4.10
23/6/2011 8:20	5.14	23/6/2011 13:40	5.40	23/6/2011 19:00	5.22	24/6/2011 0:20	4.26	24/6/2011 5:40	4.14
23/6/2011 8:25	5.18	23/6/2011 13:45	5.58	23/6/2011 19:05	5.28	24/6/2011 0:25	4.20	24/6/2011 5:45	4.18
23/6/2011 8:30	5.02	23/6/2011 13:50	5.00	23/6/2011 19:10	5.04	24/6/2011 0:30	4.12	24/6/2011 5:50	4.20
23/6/2011 8:35	4.92	23/6/2011 13:55	5.64	23/6/2011 19:15	5.02	24/6/2011 0:35	4.04	24/6/2011 5:55	4.24
23/6/2011 8:40	4.76	23/6/2011 14:00	5.24	23/6/2011 19:20	5.02	24/6/2011 0:40	4.04	24/6/2011 6:00	4.30
23/6/2011 8:45	4.68	23/6/2011 14:05	5.48	23/6/2011 19:25	4.96	24/6/2011 0:45	4.06	24/6/2011 6:05	4.24
23/6/2011 8:50	4.56	23/6/2011 14:10	5.46	23/6/2011 19:30	4.84	24/6/2011 0:50	4.12	24/6/2011 6:10	4.28
23/6/2011 8:55	4.54	23/6/2011 14:15	5.30	23/6/2011 19:35	4.76	24/6/2011 0:55	4.10	24/6/2011 6:15	4.16
23/6/2011 9:00	4.42	23/6/2011 14:20	5.50	23/6/2011 19:40	4.78	24/6/2011 1:00	4.14	24/6/2011 6:20	4.10
23/6/2011 9:05	4.44	23/6/2011 14:25	5.30	23/6/2011 19:45	4.92	24/6/2011 1:05	4.08	24/6/2011 6:25	4.06
23/6/2011 9:10	4.54	23/6/2011 14:30	5.44	23/6/2011 19:50	4.76	24/6/2011 1:10	4.06	24/6/2011 6:30	4.02
23/6/2011 9:15	4.40	23/6/2011 14:35	5.22	23/6/2011 19:55	4.74	24/6/2011 1:15	4.06	24/6/2011 6:35	4.00
23/6/2011 9:20	4.56	23/6/2011 14:40	5.04	23/6/2011 20:00	4.78	24/6/2011 1:20	4.10	24/6/2011 6:40	4.06
23/6/2011 9:25	4.32	23/6/2011 14:45	4.82	23/6/2011 20:05	4.76	24/6/2011 1:25	4.10	24/6/2011 6:45	4.10
23/6/2011 9:30	4.24	23/6/2011 14:50	4.90	23/6/2011 20:10	4.78	24/6/2011 1:30	4.10	24/6/2011 6:50	4.18
23/6/2011 9:35	4.30	23/6/2011 14:55	5.40	23/6/2011 20:15	4.72	24/6/2011 1:35	4.06	24/6/2011 6:55	4.24
23/6/2011 9:40	4.30	23/6/2011 15:00	5.02	23/6/2011 20:20	4.92	24/6/2011 1:40	4.08	24/6/2011 7:00	4.22
23/6/2011 9:45	5.26	23/6/2011 15:05	5.24	23/6/2011 20:25	5.02	24/6/2011 1:45	4.14	24/6/2011 7:05	4.20
23/6/2011 9:50	4.80	23/6/2011 15:10	4.82	23/6/2011 20:30	5.10	24/6/2011 1:50	4.16	24/6/2011 7:10	4.26
23/6/2011 9:55	5.32	23/6/2011 15:15	4.86	23/6/2011 20:35	4.80	24/6/2011 1:55	4.20	24/6/2011 7:15	4.42
23/6/2011 10:00	5.58	23/6/2011 15:20	5.06	23/6/2011 20:40	4.80	24/6/2011 2:00	4.22	24/6/2011 7:20	4.44
23/6/2011 10:05	5.10	23/6/2011 15:25	5.24	23/6/2011 20:45	4.82	24/6/2011 2:05	4.26	24/6/2011 7:25	4.48
23/6/2011 10:10	5.44	23/6/2011 15:30	5.04	23/6/2011 20:50	4.78	24/6/2011 2:10	4.26	24/6/2011 7:30	4.54
23/6/2011 10:15	5.72	23/6/2011 15:35	5.04	23/6/2011 20:55	4.86	24/6/2011 2:15	4.22	24/6/2011 7:35	4.38
23/6/2011 10:20	5.66	23/6/2011 15:40	4.82	23/6/2011 21:00	4.76	24/6/2011 2:20	4.24	24/6/2011 7:40	4.20
23/6/2011 10:25	5.52	23/6/2011 15:45	5.00	23/6/2011 21:05	4.68	24/6/2011 2:25	4.28	24/6/2011 7:45	4.28
23/6/2011 10:30	5.38	23/6/2011 15:50	4.74	23/6/2011 21:10	4.68	24/6/2011 2:30	4.26	24/6/2011 7:50	4.44
23/6/2011 10:35	5.84	23/6/2011 15:55	5.10	23/6/2011 21:15	4.92	24/6/2011 2:35	4.34	24/6/2011 7:55	4.42
23/6/2011 10:40	5.66	23/6/2011 16:00	5.04	23/6/2011 21:20	4.94	24/6/2011 2:40	4.34	24/6/2011 8:00	4.44
23/6/2011 10:45	6.04	23/6/2011 16:05	4.80	23/6/2011 21:25	4.94	24/6/2011 2:45	4.34	24/6/2011 8:05	4.74
23/6/2011 10:50	5.32	23/6/2011 16:10	4.78	23/6/2011 21:30	4.94	24/6/2011 2:50	4.34	24/6/2011 8:10	4.88
23/6/2011 10:55	4.86	23/6/2011 16:15	4.70	23/6/2011 21:35	4.90	24/6/2011 2:55	4.38	24/6/2011 8:15	4.84
23/6/2011 11:00	5.54	23/6/2011 16:20	4.72	23/6/2011 21:40	4.82	24/6/2011 3:00	4.34	24/6/2011 8:20	4.52
23/6/2011 11:05	5.98	23/6/2011 16:25	4.80	23/6/2011 21:45	4.98	24/6/2011 3:05	4.34	24/6/2011 8:25	5.76
23/6/2011 11:10	5.28	23/6/2011 16:30	4.90	23/6/2011 21:50	4.80	24/6/2011 3:10	4.32	24/6/2011 8:30	6.16
23/6/2011 11:15	5.20	23/6/2011 16:35	4.84	23/6/2011 21:55	4.92	24/6/2011 3:15	4.24	24/6/2011 8:35	4.94
23/6/2011 11:20	5.20	23/6/2011 16:40	4.86	23/6/2011 22:00	4.84	24/6/2011 3:20	4.24	24/6/2011 8:40	4.44

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
24/6/2011 8:45	4.40	24/6/2011 15:00	4.62	24/6/2011 20:20	4.64	25/6/2011 1:40	4.10	25/6/2011 7:00	4.86
24/6/2011 8:50	4.54	24/6/2011 15:05	4.32	24/6/2011 20:25	4.70	25/6/2011 1:45	4.18	25/6/2011 7:05	4.80
24/6/2011 8:55	4.50	24/6/2011 15:10	4.48	24/6/2011 20:30	4.44	25/6/2011 1:50	4.28	25/6/2011 7:10	4.80
24/6/2011 9:00	4.46	24/6/2011 15:15	4.78	24/6/2011 20:35	4.52	25/6/2011 1:55	4.34	25/6/2011 7:15	4.92
24/6/2011 9:05	4.40	24/6/2011 15:20	4.72	24/6/2011 20:40	4.48	25/6/2011 2:00	5.30	25/6/2011 7:20	4.82
24/6/2011 9:10	4.40	24/6/2011 15:25	4.52	24/6/2011 20:45	4.58	25/6/2011 2:05	4.26	25/6/2011 7:25	4.74
24/6/2011 9:15	4.32	24/6/2011 15:30	4.62	24/6/2011 20:50	4.38	25/6/2011 2:10	4.32	25/6/2011 7:30	4.80
24/6/2011 9:20	4.26	24/6/2011 15:35	4.60	24/6/2011 20:55	4.66	25/6/2011 2:15	4.34	25/6/2011 7:35	4.82
24/6/2011 9:25	4.38	24/6/2011 15:40	4.54	24/6/2011 21:00	4.46	25/6/2011 2:20	4.36	25/6/2011 7:40	5.44
24/6/2011 9:30	4.32	24/6/2011 15:45	4.68	24/6/2011 21:05	4.54	25/6/2011 2:25	4.38	25/6/2011 7:45	5.64
24/6/2011 9:35	4.14	24/6/2011 15:50	4.76	24/6/2011 21:10	4.58	25/6/2011 2:30	4.40	25/6/2011 7:50	5.42
24/6/2011 9:40	4.12	24/6/2011 15:55	4.52	24/6/2011 21:15	4.58	25/6/2011 2:35	4.40	25/6/2011 7:55	5.44
24/6/2011 10:10	3.04	24/6/2011 16:00	4.56	24/6/2011 21:20	4.50	25/6/2011 2:40	4.40	25/6/2011 8:00	5.22
24/6/2011 10:15	***	24/6/2011 16:05	4.34	24/6/2011 21:25	4.48	25/6/2011 2:45	4.40	25/6/2011 8:05	5.00
24/6/2011 10:20	***	24/6/2011 16:10	4.18	24/6/2011 21:30	4.64	25/6/2011 2:50	4.46	25/6/2011 8:10	5.02
24/6/2011 10:25	***	24/6/2011 16:15	6.04	24/6/2011 21:35	4.72	25/6/2011 2:55	4.44	25/6/2011 8:15	5.22
24/6/2011 10:45	***	24/6/2011 16:20	5.82	24/6/2011 21:40	4.64	25/6/2011 3:00	4.52	25/6/2011 8:20	5.50
24/6/2011 10:50	***	24/6/2011 16:25	5.10	24/6/2011 21:45	4.76	25/6/2011 3:05	4.56	25/6/2011 8:25	4.92
24/6/2011 10:55	***	24/6/2011 16:30	4.98	24/6/2011 21:50	4.64	25/6/2011 3:10	4.54	25/6/2011 8:30	4.98
24/6/2011 11:00	***	24/6/2011 16:35	4.88	24/6/2011 21:55	4.68	25/6/2011 3:15	4.52	25/6/2011 8:35	4.82
24/6/2011 11:05	***	24/6/2011 16:40	4.92	24/6/2011 22:00	4.66	25/6/2011 3:20	4.52	25/6/2011 8:40	4.80
24/6/2011 11:10	***	24/6/2011 16:45	4.84	24/6/2011 22:05	4.70	25/6/2011 3:25	4.50	25/6/2011 8:45	4.90
24/6/2011 11:15	***	24/6/2011 16:50	4.84	24/6/2011 22:10	4.66	25/6/2011 3:30	4.46	25/6/2011 8:50	4.84
24/6/2011 11:20	***	24/6/2011 16:55	4.76	24/6/2011 22:15	4.44	25/6/2011 3:35	4.46	25/6/2011 8:55	4.70
24/6/2011 11:25	***	24/6/2011 17:00	4.50	24/6/2011 22:20	4.54	25/6/2011 3:40	4.48	25/6/2011 9:00	4.66
24/6/2011 11:30	***	24/6/2011 17:05	4.34	24/6/2011 22:25	4.64	25/6/2011 3:45	4.56	25/6/2011 9:05	4.64
24/6/2011 11:35	***	24/6/2011 17:10	4.64	24/6/2011 22:30	4.66	25/6/2011 3:50	4.48	25/6/2011 9:10	4.54
24/6/2011 11:40	***	24/6/2011 17:15	4.68	24/6/2011 22:35	4.64	25/6/2011 3:55	4.46	25/6/2011 9:15	4.64
24/6/2011 11:45	***	24/6/2011 17:20	4.64	24/6/2011 22:40	4.50	25/6/2011 4:00	4.44	25/6/2011 9:20	4.70
24/6/2011 11:50	***	24/6/2011 17:25	4.54	24/6/2011 22:45	4.58	25/6/2011 4:05	4.42	25/6/2011 9:25	4.62
24/6/2011 11:55	***	24/6/2011 17:30	4.48	24/6/2011 22:50	4.66	25/6/2011 4:10	4.42	25/6/2011 9:30	4.68
24/6/2011 12:00	***	24/6/2011 17:35	4.32	24/6/2011 22:55	4.70	25/6/2011 4:15	4.42	25/6/2011 9:35	4.68
24/6/2011 12:05	***	24/6/2011 17:40	4.36	24/6/2011 23:00	4.68	25/6/2011 4:20	4.48	25/6/2011 9:40	4.88
24/6/2011 12:10	***	24/6/2011 17:45	4.32	24/6/2011 23:05	4.60	25/6/2011 4:25	4.52	25/6/2011 9:45	4.68
24/6/2011 12:15	***	24/6/2011 17:50	4.38	24/6/2011 23:10	4.44	25/6/2011 4:30	4.56	25/6/2011 9:50	4.86
24/6/2011 12:20	***	24/6/2011 17:55	4.38	24/6/2011 23:15	4.40	25/6/2011 4:35	4.56	25/6/2011 10:05	4.32
24/6/2011 12:25	***	24/6/2011 18:00	4.38	24/6/2011 23:20	4.34	25/6/2011 4:40	4.58	25/6/2011 10:10	4.86
24/6/2011 12:30	***	24/6/2011 18:05	4.18	24/6/2011 23:25	4.24	25/6/2011 4:45	4.68	25/6/2011 10:15	4.66
24/6/2011 12:35	***	24/6/2011 18:10	4.18	24/6/2011 23:30	4.22	25/6/2011 4:50	4.68	25/6/2011 10:20	4.58
24/6/2011 12:40	***	24/6/2011 18:15	4.38	24/6/2011 23:35	4.34	25/6/2011 4:55	4.70	25/6/2011 10:25	4.60
24/6/2011 12:45	***	24/6/2011 18:20	4.52	24/6/2011 23:40	4.40	25/6/2011 5:00	4.68	25/6/2011 10:30	4.64
24/6/2011 12:50	***	24/6/2011 18:25	4.52	24/6/2011 23:45	4.34	25/6/2011 5:05	4.70	25/6/2011 10:35	4.70
24/6/2011 12:55	***	24/6/2011 18:30	4.34	24/6/2011 23:50	4.30	25/6/2011 5:10	4.80	25/6/2011 10:40	4.58
24/6/2011 13:00	***	24/6/2011 18:35	4.38	24/6/2011 23:55	4.26	25/6/2011 5:15	4.84	25/6/2011 10:45	4.42
24/6/2011 13:05	***	24/6/2011 18:40	4.46	25/6/2011 0:00	4.30	25/6/2011 5:20	4.78	25/6/2011 10:50	4.24
24/6/2011 13:15	***	24/6/2011 18:45	4.38	25/6/2011 0:05	4.36	25/6/2011 5:25	4.82	25/6/2011 10:55	4.40
24/6/2011 13:30	3.34	24/6/2011 18:50	4.30	25/6/2011 0:10	4.30	25/6/2011 5:30	4.84	25/6/2011 11:00	4.40
24/6/2011 13:35	4.32	24/6/2011 18:55	4.42	25/6/2011 0:15	4.34	25/6/2011 5:35	4.72	25/6/2011 11:05	4.28
24/6/2011 13:40	4.18	24/6/2011 19:00	4.26	25/6/2011 0:20	4.38	25/6/2011 5:40	4.68	25/6/2011 11:10	4.20
24/6/2011 13:45	4.14	24/6/2011 19:05	4.28	25/6/2011 0:25	4.26	25/6/2011 5:45	4.80	25/6/2011 11:15	4.24
24/6/2011 13:50	4.10	24/6/2011 19:10	4.32	25/6/2011 0:30	4.30	25/6/2011 5:50	4.78	25/6/2011 11:20	4.24
24/6/2011 13:55	4.36	24/6/2011 19:15	4.46	25/6/2011 0:35	4.24	25/6/2011 5:55	4.80	25/6/2011 11:25	4.34
24/6/2011 14:00	4.46	24/6/2011 19:20	4.44	25/6/2011 0:40	4.26	25/6/2011 6:00	4.92	25/6/2011 11:30	4.38
24/6/2011 14:05	4.48	24/6/2011 19:25	4.62	25/6/2011 0:45	4.24	25/6/2011 6:05	4.88	25/6/2011 11:35	4.34
24/6/2011 14:10	4.44	24/6/2011 19:30	4.76	25/6/2011 0:50	4.20	25/6/2011 6:10	4.94	25/6/2011 11:40	4.28
24/6/2011 14:15	4.60	24/6/2011 19:35	4.78	25/6/2011 0:55	4.20	25/6/2011 6:15	4.72	25/6/2011 11:45	4.32
24/6/2011 14:20	4.46	24/6/2011 19:40	4.76	25/6/2011 1:00	4.18	25/6/2011 6:20	4.74	25/6/2011 11:50	4.14
24/6/2011 14:25	4.30	24/6/2011 19:45	4.78	25/6/2011 1:05	4.18	25/6/2011 6:25	4.64	25/6/2011 11:55	4.14
24/6/2011 14:30	4.74	24/6/2011 19:50	4.56	25/6/2011 1:10	4.24	25/6/2011 6:30	4.78	25/6/2011 12:00	4.28
24/6/2011 14:35	4.50	24/6/2011 19:55	4.48	25/6/2011 1:15	4.34	25/6/2011 6:35	5.06	25/6/2011 12:05	4.42
24/6/2011 14:40	4.54	24/6/2011 20:00	4.50	25/6/2011 1:20	4.24	25/6/2011 6:40	4.92	25/6/2011 12:10	4.58
24/6/2011 14:45	4.76	24/6/2011 20:05	4.54	25/6/2011 1:25	4.24	25/6/2011 6:45	5.18	25/6/2011 12:15	4.38
24/6/2011 14:50	4.90	24/6/2011 20:10	4.52	25/6/2011 1:30	4.20	25/6/2011 6:50	4.84	25/6/2011 12:20	4.24
24/6/2011 14:55	4.50	24/6/2011 20:15	4.76	25/6/2011 1:35	4.10	25/6/2011 6:55	4.82	25/6/2011 12:25	4.24

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
25/6/2011 12:30	4.32	25/6/2011 18:00	4.44	25/6/2011 23:20	4.10	26/6/2011 4:40	4.58	26/6/2011 10:00	4.80
25/6/2011 12:35	4.22	25/6/2011 18:05	4.42	25/6/2011 23:25	4.58	26/6/2011 4:45	4.44	26/6/2011 10:05	4.74
25/6/2011 12:40	4.34	25/6/2011 18:10	4.32	25/6/2011 23:30	5.72	26/6/2011 4:50	4.24	26/6/2011 10:10	4.86
25/6/2011 12:45	4.38	25/6/2011 18:15	4.54	25/6/2011 23:35	5.10	26/6/2011 4:55	4.22	26/6/2011 10:15	4.90
25/6/2011 12:50	4.50	25/6/2011 18:20	4.46	25/6/2011 23:40	5.36	26/6/2011 5:00	4.92	26/6/2011 10:20	5.00
25/6/2011 12:55	4.50	25/6/2011 18:25	4.46	25/6/2011 23:45	5.56	26/6/2011 5:05	4.34	26/6/2011 10:25	5.30
25/6/2011 13:00	4.58	25/6/2011 18:30	4.38	25/6/2011 23:50	5.34	26/6/2011 5:10	4.70	26/6/2011 10:30	5.18
25/6/2011 13:05	4.64	25/6/2011 18:35	4.34	25/6/2011 23:55	5.20	26/6/2011 5:15	4.80	26/6/2011 10:35	5.42
25/6/2011 13:10	4.44	25/6/2011 18:40	4.44	26/6/2011 0:00	5.00	26/6/2011 5:20	4.82	26/6/2011 10:40	5.38
25/6/2011 13:15	4.32	25/6/2011 18:45	4.42	26/6/2011 0:05	5.02	26/6/2011 5:25	4.96	26/6/2011 10:45	5.52
25/6/2011 13:20	4.40	25/6/2011 18:50	4.50	26/6/2011 0:10	4.84	26/6/2011 5:30	5.10	26/6/2011 10:50	5.32
25/6/2011 13:25	4.36	25/6/2011 18:55	4.26	26/6/2011 0:15	4.88	26/6/2011 5:35	5.18	26/6/2011 10:55	5.14
25/6/2011 13:30	4.28	25/6/2011 19:00	4.18	26/6/2011 0:20	4.74	26/6/2011 5:40	5.36	26/6/2011 11:00	5.16
25/6/2011 13:35	4.20	25/6/2011 19:05	4.36	26/6/2011 0:25	4.60	26/6/2011 5:45	5.02	26/6/2011 11:05	5.12
25/6/2011 13:40	4.28	25/6/2011 19:10	4.50	26/6/2011 0:30	4.54	26/6/2011 5:50	4.98	26/6/2011 11:10	5.08
25/6/2011 13:45	4.26	25/6/2011 19:15	4.42	26/6/2011 0:35	4.52	26/6/2011 5:55	4.82	26/6/2011 11:15	5.12
25/6/2011 13:50	4.38	25/6/2011 19:20	4.34	26/6/2011 0:40	4.50	26/6/2011 6:00	4.74	26/6/2011 11:20	5.08
25/6/2011 13:55	4.52	25/6/2011 19:25	4.56	26/6/2011 0:45	4.52	26/6/2011 6:05	5.24	26/6/2011 11:25	5.18
25/6/2011 14:00	4.30	25/6/2011 19:30	4.50	26/6/2011 0:50	4.38	26/6/2011 6:10	5.28	26/6/2011 11:30	5.32
25/6/2011 14:05	4.54	25/6/2011 19:35	4.52	26/6/2011 0:55	4.54	26/6/2011 6:15	5.10	26/6/2011 11:35	5.06
25/6/2011 14:10	4.46	25/6/2011 19:40	4.58	26/6/2011 1:00	4.56	26/6/2011 6:20	4.88	26/6/2011 11:40	5.16
25/6/2011 14:15	4.22	25/6/2011 19:45	4.44	26/6/2011 1:05	4.62	26/6/2011 6:25	5.10	26/6/2011 11:45	5.50
25/6/2011 14:20	4.16	25/6/2011 19:50	4.58	26/6/2011 1:10	4.50	26/6/2011 6:30	5.14	26/6/2011 11:50	5.52
25/6/2011 14:25	4.22	25/6/2011 19:55	4.44	26/6/2011 1:15	4.44	26/6/2011 6:35	5.16	26/6/2011 11:55	5.48
25/6/2011 14:30	4.22	25/6/2011 20:00	4.52	26/6/2011 1:20	4.44	26/6/2011 6:40	5.24	26/6/2011 12:00	5.56
25/6/2011 14:35	4.34	25/6/2011 20:05	4.54	26/6/2011 1:25	4.36	26/6/2011 6:45	5.04	26/6/2011 12:05	5.52
25/6/2011 14:40	4.26	25/6/2011 20:10	4.36	26/6/2011 1:30	4.30	26/6/2011 6:50	5.00	26/6/2011 12:10	5.32
25/6/2011 14:45	4.40	25/6/2011 20:15	4.42	26/6/2011 1:35	4.26	26/6/2011 6:55	5.22	26/6/2011 12:15	5.20
25/6/2011 14:50	4.54	25/6/2011 20:20	4.32	26/6/2011 1:40	4.38	26/6/2011 7:00	5.04	26/6/2011 12:20	5.34
25/6/2011 14:55	4.40	25/6/2011 20:25	4.22	26/6/2011 1:45	4.24	26/6/2011 7:05	5.18	26/6/2011 12:25	5.14
25/6/2011 15:00	4.28	25/6/2011 20:30	4.14	26/6/2011 1:50	4.22	26/6/2011 7:10	5.20	26/6/2011 12:30	4.92
25/6/2011 15:05	4.22	25/6/2011 20:35	4.32	26/6/2011 1:55	4.22	26/6/2011 7:15	5.06	26/6/2011 12:35	4.98
25/6/2011 15:10	4.28	25/6/2011 20:40	4.40	26/6/2011 2:00	4.12	26/6/2011 7:20	5.18	26/6/2011 12:40	4.94
25/6/2011 15:15	4.14	25/6/2011 20:45	4.36	26/6/2011 2:05	4.14	26/6/2011 7:25	5.14	26/6/2011 12:45	5.12
25/6/2011 15:20	4.14	25/6/2011 20:50	4.40	26/6/2011 2:10	4.10	26/6/2011 7:30	4.92	26/6/2011 12:50	5.08
25/6/2011 15:25	4.20	25/6/2011 20:55	4.56	26/6/2011 2:15	4.12	26/6/2011 7:35	4.96	26/6/2011 12:55	5.08
25/6/2011 15:30	4.28	25/6/2011 21:00	4.56	26/6/2011 2:20	4.16	26/6/2011 7:40	4.88	26/6/2011 13:00	5.00
25/6/2011 15:35	4.32	25/6/2011 21:05	4.62	26/6/2011 2:25	4.24	26/6/2011 7:45	5.08	26/6/2011 13:05	5.00
25/6/2011 15:40	4.22	25/6/2011 21:10	4.82	26/6/2011 2:30	4.26	26/6/2011 7:50	5.60	26/6/2011 13:10	5.12
25/6/2011 15:45	4.22	25/6/2011 21:15	4.52	26/6/2011 2:35	4.24	26/6/2011 7:55	6.64	26/6/2011 13:15	5.20
25/6/2011 15:50	4.14	25/6/2011 21:20	4.66	26/6/2011 2:40	4.22	26/6/2011 8:00	6.42	26/6/2011 13:20	5.14
25/6/2011 15:55	4.16	25/6/2011 21:25	4.52	26/6/2011 2:45	4.24	26/6/2011 8:05	5.88	26/6/2011 13:25	5.30
25/6/2011 16:00	4.34	25/6/2011 21:30	4.44	26/6/2011 2:50	4.26	26/6/2011 8:10	5.58	26/6/2011 13:30	5.28
25/6/2011 16:05	4.42	25/6/2011 21:35	4.58	26/6/2011 2:55	4.28	26/6/2011 8:15	5.64	26/6/2011 13:35	5.20
25/6/2011 16:10	4.42	25/6/2011 21:40	4.50	26/6/2011 3:00	4.30	26/6/2011 8:20	5.38	26/6/2011 13:40	5.26
25/6/2011 16:15	4.42	25/6/2011 21:45	4.50	26/6/2011 3:05	4.26	26/6/2011 8:25	5.04	26/6/2011 13:45	5.22
25/6/2011 16:30	4.14	25/6/2011 21:50	4.52	26/6/2011 3:10	4.16	26/6/2011 8:30	5.32	26/6/2011 13:50	5.32
25/6/2011 16:35	4.66	25/6/2011 21:55	4.32	26/6/2011 3:15	4.18	26/6/2011 8:35	4.98	26/6/2011 13:55	5.04
25/6/2011 16:40	4.70	25/6/2011 22:00	4.38	26/6/2011 3:20	4.14	26/6/2011 8:40	5.06	26/6/2011 14:00	5.02
25/6/2011 16:45	4.64	25/6/2011 22:05	4.52	26/6/2011 3:25	4.14	26/6/2011 8:45	4.96	26/6/2011 14:05	5.00
25/6/2011 16:50	4.60	25/6/2011 22:10	4.52	26/6/2011 3:30	4.14	26/6/2011 8:50	5.00	26/6/2011 14:10	5.08
25/6/2011 16:55	4.28	25/6/2011 22:15	4.46	26/6/2011 3:35	4.16	26/6/2011 8:55	4.70	26/6/2011 14:15	4.94
25/6/2011 17:00	4.20	25/6/2011 22:20	4.38	26/6/2011 3:40	4.16	26/6/2011 9:00	4.52	26/6/2011 14:20	4.88
25/6/2011 17:05	4.18	25/6/2011 22:25	4.38	26/6/2011 3:45	4.22	26/6/2011 9:05	4.76	26/6/2011 14:25	4.98
25/6/2011 17:10	4.24	25/6/2011 22:30	4.26	26/6/2011 3:50	4.10	26/6/2011 9:10	4.92	26/6/2011 14:30	4.92
25/6/2011 17:15	4.18	25/6/2011 22:35	4.12	26/6/2011 3:55	4.04	26/6/2011 9:15	4.68	26/6/2011 14:35	4.86
25/6/2011 17:20	4.10	25/6/2011 22:40	4.12	26/6/2011 4:00	3.96	26/6/2011 9:20	4.84	26/6/2011 14:40	4.92
25/6/2011 17:25	4.32	25/6/2011 22:45	4.28	26/6/2011 4:05	4.00	26/6/2011 9:25	4.82	26/6/2011 14:45	5.06
25/6/2011 17:30	4.38	25/6/2011 22:50	4.34	26/6/2011 4:10	3.98	26/6/2011 9:30	4.60	26/6/2011 14:50	5.28
25/6/2011 17:35	4.34	25/6/2011 22:55	4.28	26/6/2011 4:15	3.94	26/6/2011 9:35	4.58	26/6/2011 14:55	5.28
25/6/2011 17:40	4.24	25/6/2011 23:00	4.30	26/6/2011 4:20	4.04	26/6/2011 9:40	4.64	26/6/2011 15:00	5.12
25/6/2011 17:45	4.22	25/6/2011 23:05	4.28	26/6/2011 4:25	4.14	26/6/2011 9:45	4.72	26/6/2011 15:05	5.24
25/6/2011 17:50	4.34	25/6/2011 23:10	4.36	26/6/2011 4:30	4.36	26/6/2011 9:50	4.80	26/6/2011 15:10	5.04
25/6/2011 17:55	4.48	25/6/2011 23:15	4.30	26/6/2011 4:35	4.44	26/6/2011 9:55	4.80	26/6/2011 15:15	5.28

\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

Date	NTU	Date	NTU	Date	NTU	Date	NTU	Date	NTU
26/6/2011 15:20	5.06	26/6/2011 20:40	4.94	27/6/2011 2:00	4.64	27/6/2011 7:20	5.08	27/6/2011 12:40	5.44
26/6/2011 15:25	4.90	26/6/2011 20:45	4.90	27/6/2011 2:05	4.70	27/6/2011 7:25	5.02	27/6/2011 12:45	5.48
26/6/2011 15:30	4.98	26/6/2011 20:50	5.36	27/6/2011 2:10	4.60	27/6/2011 7:30	4.98	27/6/2011 12:50	5.42
26/6/2011 15:35	4.98	26/6/2011 20:55	5.10	27/6/2011 2:15	4.44	27/6/2011 7:35	9.70	27/6/2011 12:55	5.18
26/6/2011 15:40	4.94	26/6/2011 21:00	5.22	27/6/2011 2:20	4.40	27/6/2011 7:40	9.96	27/6/2011 13:00	5.26
26/6/2011 15:45	4.94	26/6/2011 21:05	5.20	27/6/2011 2:25	4.38	27/6/2011 7:45	9.96	27/6/2011 13:05	5.38
26/6/2011 15:50	5.02	26/6/2011 21:10	4.94	27/6/2011 2:30	4.32	27/6/2011 7:50	9.88	27/6/2011 13:10	5.50
26/6/2011 15:55	5.02	26/6/2011 21:15	4.74	27/6/2011 2:35	4.26	27/6/2011 7:55	9.84	27/6/2011 13:15	5.32
26/6/2011 16:00	4.90	26/6/2011 21:20	5.08	27/6/2011 2:40	4.28	27/6/2011 8:00	9.38	27/6/2011 13:20	5.64
26/6/2011 16:05	5.02	26/6/2011 21:25	5.26	27/6/2011 2:45	4.34	27/6/2011 8:05	7.84	27/6/2011 13:25	5.78
26/6/2011 16:10	5.10	26/6/2011 21:30	5.20	27/6/2011 2:50	4.36	27/6/2011 8:10	6.92	27/6/2011 13:30	5.80
26/6/2011 16:15	5.12	26/6/2011 21:35	4.92	27/6/2011 2:55	4.44	27/6/2011 8:15	6.52	27/6/2011 13:35	5.94
26/6/2011 16:20	5.28	26/6/2011 21:40	4.64	27/6/2011 3:00	4.46	27/6/2011 8:20	6.50	27/6/2011 13:40	5.46
26/6/2011 16:25	5.02	26/6/2011 21:45	4.80	27/6/2011 3:05	4.38	27/6/2011 8:25	6.04	27/6/2011 13:45	5.52
26/6/2011 16:30	4.88	26/6/2011 21:50	4.84	27/6/2011 3:10	4.40	27/6/2011 8:30	6.28	27/6/2011 13:50	5.62
26/6/2011 16:35	4.90	26/6/2011 21:55	4.66	27/6/2011 3:15	4.42	27/6/2011 8:35	6.24	27/6/2011 13:55	6.24
26/6/2011 16:40	5.04	26/6/2011 22:00	4.56	27/6/2011 3:20	4.48	27/6/2011 8:40	6.00	27/6/2011 14:00	7.30
26/6/2011 16:45	5.00	26/6/2011 22:05	4.56	27/6/2011 3:25	4.48	27/6/2011 8:45	5.74	27/6/2011 14:05	6.24
26/6/2011 16:50	5.06	26/6/2011 22:10	4.34	27/6/2011 3:30	4.42	27/6/2011 8:50	5.70	27/6/2011 14:10	5.82
26/6/2011 16:55	5.08	26/6/2011 22:15	4.40	27/6/2011 3:35	4.50	27/6/2011 8:55	5.50	27/6/2011 14:15	5.88
26/6/2011 17:00	5.08	26/6/2011 22:20	4.48	27/6/2011 3:40	4.52	27/6/2011 9:00	5.46	27/6/2011 14:20	5.84
26/6/2011 17:05	5.12	26/6/2011 22:25	4.40	27/6/2011 3:45	4.54	27/6/2011 9:05	5.58	27/6/2011 14:25	5.96
26/6/2011 17:10	5.18	26/6/2011 22:30	4.46	27/6/2011 3:50	4.48	27/6/2011 9:10	5.52	27/6/2011 14:30	6.34
26/6/2011 17:15	5.26	26/6/2011 22:35	4.52	27/6/2011 3:55	4.48	27/6/2011 9:15	5.56	27/6/2011 14:35	6.38
26/6/2011 17:20	5.14	26/6/2011 22:40	4.58	27/6/2011 4:00	4.44	27/6/2011 9:20	5.54	27/6/2011 14:40	6.48
26/6/2011 17:25	5.44	26/6/2011 22:45	4.58	27/6/2011 4:05	4.44	27/6/2011 9:25	5.46	27/6/2011 14:45	6.32
26/6/2011 17:30	5.50	26/6/2011 22:50	4.56	27/6/2011 4:10	4.38	27/6/2011 9:30	5.56	27/6/2011 14:50	6.44
26/6/2011 17:35	4.96	26/6/2011 22:55	4.86	27/6/2011 4:15	4.40	27/6/2011 9:35	5.20	27/6/2011 14:55	5.92
26/6/2011 17:40	4.82	26/6/2011 23:00	4.64	27/6/2011 4:20	4.36	27/6/2011 9:40	4.92	27/6/2011 15:00	6.08
26/6/2011 17:45	4.74	26/6/2011 23:05	4.72	27/6/2011 4:25	4.34	27/6/2011 9:45	4.90	27/6/2011 15:05	5.90
26/6/2011 17:50	4.80	26/6/2011 23:10	4.64	27/6/2011 4:30	4.32	27/6/2011 9:50	5.02	27/6/2011 15:10	5.94
26/6/2011 17:55	4.98	26/6/2011 23:15	4.64	27/6/2011 4:35	4.26	27/6/2011 9:55	4.88	27/6/2011 15:15	6.10
26/6/2011 18:00	4.98	26/6/2011 23:20	4.56	27/6/2011 4:40	4.26	27/6/2011 10:00	4.98	27/6/2011 15:20	6.08
26/6/2011 18:05	5.08	26/6/2011 23:25	4.40	27/6/2011 4:45	4.28	27/6/2011 10:05	4.94	27/6/2011 15:25	6.22
26/6/2011 18:10	4.80	26/6/2011 23:30	4.36	27/6/2011 4:50	4.22	27/6/2011 10:10	4.76	27/6/2011 15:30	6.36
26/6/2011 18:15	5.00	26/6/2011 23:35	4.54	27/6/2011 4:55	4.16	27/6/2011 10:15	4.64	27/6/2011 15:35	6.20
26/6/2011 18:20	5.02	26/6/2011 23:40	4.34	27/6/2011 5:00	4.18	27/6/2011 10:20	4.80	27/6/2011 15:40	6.22
26/6/2011 18:25	5.02	26/6/2011 23:45	4.44	27/6/2011 5:05	4.18	27/6/2011 10:25	4.66	27/6/2011 15:45	6.02
26/6/2011 18:30	5.08	26/6/2011 23:50	4.40	27/6/2011 5:10	4.14	27/6/2011 10:30	4.80	27/6/2011 15:50	6.22
26/6/2011 18:35	5.04	26/6/2011 23:55	4.40	27/6/2011 5:15	4.16	27/6/2011 10:35	4.84	27/6/2011 15:55	6.30
26/6/2011 18:40	5.16	27/6/2011 0:00	4.42	27/6/2011 5:20	4.16	27/6/2011 10:40	4.60	27/6/2011 16:00	6.34
26/6/2011 18:45	5.12	27/6/2011 0:05	4.46	27/6/2011 5:25	4.18	27/6/2011 10:45	4.72	27/6/2011 16:05	6.14
26/6/2011 18:50	4.98	27/6/2011 0:10	4.52	27/6/2011 5:30	4.22	27/6/2011 10:50	4.78	27/6/2011 16:10	6.02
26/6/2011 18:55	4.82	27/6/2011 0:15	4.48	27/6/2011 5:35	4.24	27/6/2011 10:55	4.80	27/6/2011 16:15	5.90
26/6/2011 19:00	5.12	27/6/2011 0:20	4.34	27/6/2011 5:40	4.20	27/6/2011 11:00	5.00	27/6/2011 16:20	5.80
26/6/2011 19:05	5.28	27/6/2011 0:25	4.42	27/6/2011 5:45	4.22	27/6/2011 11:05	5.16	27/6/2011 16:25	6.12
26/6/2011 19:10	5.16	27/6/2011 0:30	4.46	27/6/2011 5:50	4.16	27/6/2011 11:10	5.12	27/6/2011 16:30	6.00
26/6/2011 19:15	5.14	27/6/2011 0:35	4.46	27/6/2011 5:55	4.44	27/6/2011 11:15	5.02	27/6/2011 16:35	5.86
26/6/2011 19:20	5.20	27/6/2011 0:40	4.38	27/6/2011 6:00	4.22	27/6/2011 11:20	5.00	27/6/2011 16:40	5.96
26/6/2011 19:25	5.14	27/6/2011 0:45	4.58	27/6/2011 6:05	4.64	27/6/2011 11:25	5.56	27/6/2011 16:45	5.68
26/6/2011 19:30	5.12	27/6/2011 0:50	4.58	27/6/2011 6:10	4.80	27/6/2011 11:30	5.62	27/6/2011 16:50	5.70
26/6/2011 19:35	4.94	27/6/2011 0:55	4.52	27/6/2011 6:15	4.88	27/6/2011 11:35	5.68	27/6/2011 16:55	5.88
26/6/2011 19:40	4.52	27/6/2011 1:00	4.52	27/6/2011 6:20	5.02	27/6/2011 11:40	5.96	27/6/2011 17:00	5.94
26/6/2011 19:45	4.42	27/6/2011 1:05	4.50	27/6/2011 6:25	5.30	27/6/2011 11:45	5.98	27/6/2011 17:05	5.76
26/6/2011 19:50	4.38	27/6/2011 1:10	4.52	27/6/2011 6:30	5.48	27/6/2011 11:50	5.72	27/6/2011 17:10	5.62
26/6/2011 19:55	4.62	27/6/2011 1:15	4.42	27/6/2011 6:35	5.30	27/6/2011 11:55	5.58	27/6/2011 17:15	5.80
26/6/2011 20:00	4.62	27/6/2011 1:20	4.52	27/6/2011 6:40	4.92	27/6/2011 12:00	5.44	27/6/2011 17:20	5.98
26/6/2011 20:05	4.96	27/6/2011 1:25	4.60	27/6/2011 6:45	4.72	27/6/2011 12:05	5.38	27/6/2011 17:25	5.92
26/6/2011 20:10	4.90	27/6/2011 1:30	4.64	27/6/2011 6:50	5.14	27/6/2011 12:10	5.44	27/6/2011 17:30	5.98
26/6/2011 20:15	4.92	27/6/2011 1:35	4.58	27/6/2011 6:55	4.82	27/6/2011 12:15	5.50	27/6/2011 17:35	5.90
26/6/2011 20:20	4.92	27/6/2011 1:40	4.66	27/6/2011 7:00	4.80	27/6/2011 12:20	5.66	27/6/2011 17:40	6.06
26/6/2011 20:25	4.66	27/6/2011 1:45	4.64	27/6/2011 7:05	5.00	27/6/2011 12:25	5.64	27/6/2011 17:45	5.46
26/6/2011 20:30	4.78	27/6/2011 1:50	4.62	27/6/2011 7:10	4.80	27/6/2011 12:30	5.82	27/6/2011 17:50	5.92
26/6/2011 20:35	5.04	27/6/2011 1:55	4.56	27/6/2011 7:15	4.94	27/6/2011 12:35	5.54	27/6/2011 17:55	6.08

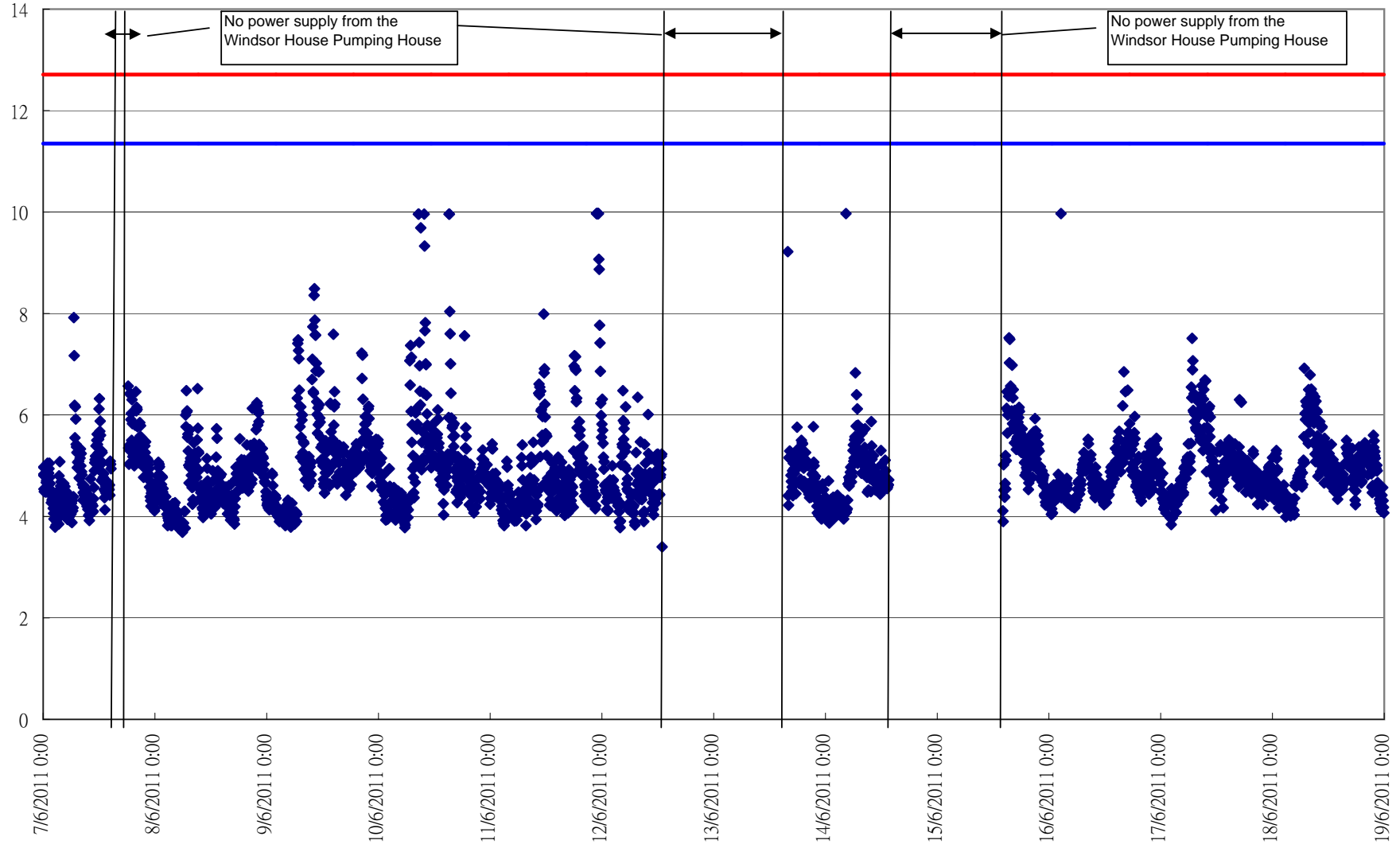
\*\*\* Remarks: No power supply from the Windsor House Pumping House

## 24hr Turbidity at C7 - Windsor House

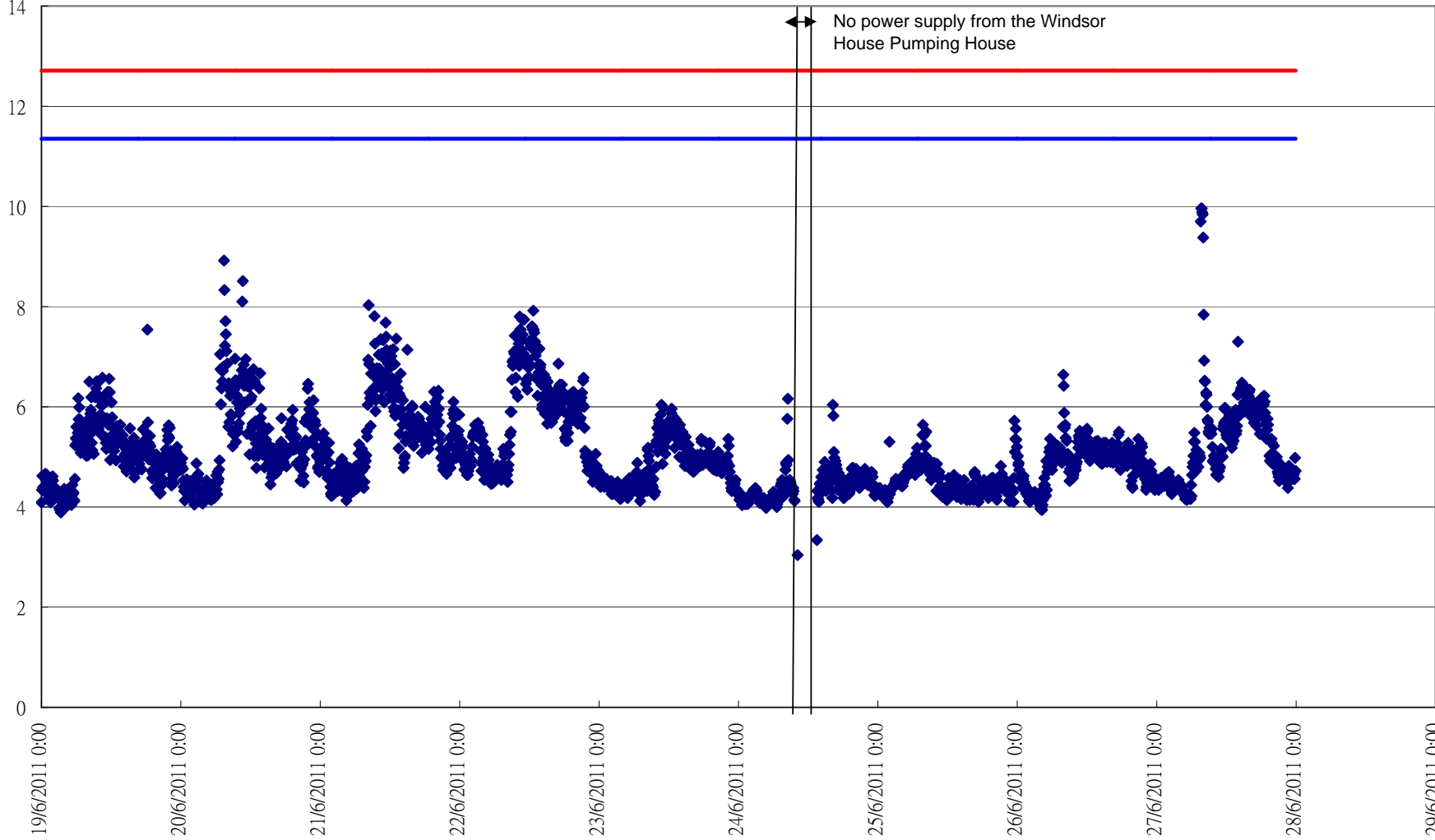
Date	NTU	Date	NTU
27/6/2011 18:00	6.16	27/6/2011 23:20	4.66
27/6/2011 18:05	6.18	27/6/2011 23:25	4.60
27/6/2011 18:10	6.02	27/6/2011 23:30	4.56
27/6/2011 18:15	5.80	27/6/2011 23:35	4.64
27/6/2011 18:20	5.48	27/6/2011 23:40	4.68
27/6/2011 18:25	6.04	27/6/2011 23:45	4.56
27/6/2011 18:30	6.22	27/6/2011 23:50	4.98
27/6/2011 18:35	6.10	27/6/2011 23:55	4.72
27/6/2011 18:40	5.88		
27/6/2011 18:45	5.66		
27/6/2011 18:50	5.64		
27/6/2011 18:55	5.36		
27/6/2011 19:00	5.54		
27/6/2011 19:05	5.76		
27/6/2011 19:10	5.64		
27/6/2011 19:15	5.36		
27/6/2011 19:20	5.34		
27/6/2011 19:25	5.02		
27/6/2011 19:30	4.92		
27/6/2011 19:35	5.04		
27/6/2011 19:40	4.90		
27/6/2011 19:45	5.36		
27/6/2011 19:50	5.28		
27/6/2011 19:55	4.98		
27/6/2011 20:00	4.86		
27/6/2011 20:05	5.02		
27/6/2011 20:10	5.22		
27/6/2011 20:15	5.04		
27/6/2011 20:20	4.86		
27/6/2011 20:25	4.94		
27/6/2011 20:30	4.98		
27/6/2011 20:35	4.92		
27/6/2011 20:40	5.00		
27/6/2011 20:45	4.92		
27/6/2011 20:50	4.70		
27/6/2011 20:55	4.66		
27/6/2011 21:00	4.60		
27/6/2011 21:05	4.52		
27/6/2011 21:10	4.74		
27/6/2011 21:15	4.76		
27/6/2011 21:20	4.56		
27/6/2011 21:25	4.64		
27/6/2011 21:30	4.58		
27/6/2011 21:35	4.82		
27/6/2011 21:40	4.66		
27/6/2011 21:45	4.74		
27/6/2011 21:50	4.70		
27/6/2011 21:55	4.60		
27/6/2011 22:00	4.66		
27/6/2011 22:05	4.64		
27/6/2011 22:10	4.66		
27/6/2011 22:15	4.60		
27/6/2011 22:20	4.74		
27/6/2011 22:25	4.48		
27/6/2011 22:30	4.58		
27/6/2011 22:35	4.38		
27/6/2011 22:40	4.72		
27/6/2011 22:45	4.82		
27/6/2011 22:50	4.76		
27/6/2011 22:55	4.56		
27/6/2011 23:00	4.64		
27/6/2011 23:05	4.68		
27/6/2011 23:10	4.66		
27/6/2011 23:15	4.56		

\*\*\* Remarks: No power supply from the Windsor House Pumping House

### 24hr Turbidity at C7 (NTU)



### 24hr Turbidity at C7 (NTU)





***Appendix 5.5***

*Real-time Noise Monitoring Results and Graphical Presentations*



Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

Normal Day 07:00-19:00

28/05/2011 07:02 64.6  
28/05/2011 07:32 65.4  
28/05/2011 08:02 67.6  
28/05/2011 08:32 67.8  
28/05/2011 09:02 66.8  
28/05/2011 09:32 65.9  
28/05/2011 10:02 65.8  
28/05/2011 10:32 65.8  
28/05/2011 11:02 66.7  
28/05/2011 11:32 65.2  
28/05/2011 12:02 64.7  
28/05/2011 12:32 64.6  
28/05/2011 13:02 66.9  
28/05/2011 13:32 65.8  
28/05/2011 14:02 66.3  
28/05/2011 14:32 65.8  
28/05/2011 15:02 65.7  
28/05/2011 15:32 64.7  
28/05/2011 16:02 65.9  
28/05/2011 16:32 65.3  
28/05/2011 17:02 65.0  
28/05/2011 17:32 65.7  
28/05/2011 18:02 65.3  
28/05/2011 18:32 63.7  
30/05/2011 07:02 65.0  
30/05/2011 07:32 66.1  
30/05/2011 08:02 64.9  
30/05/2011 08:32 65.6  
30/05/2011 09:02 66.1  
30/05/2011 09:32 68.3  
30/05/2011 10:02 67.1  
30/05/2011 10:32 66.5  
30/05/2011 11:02 65.3  
30/05/2011 11:32 65.6  
30/05/2011 12:02 66.1  
30/05/2011 12:32 65.6  
30/05/2011 13:02 66.8  
30/05/2011 13:32 67.2  
30/05/2011 14:02 66.1  
30/05/2011 14:32 65.5  
30/05/2011 15:02 66.4  
30/05/2011 15:32 66.0  
30/05/2011 16:02 65.8  
30/05/2011 16:32 67.3  
30/05/2011 17:02 66.9  
30/05/2011 17:32 67.3  
30/05/2011 18:02 67.5  
30/05/2011 18:32 66.6  
31/05/2011 07:02 64.1  
31/05/2011 07:32 65.1  
31/05/2011 08:02 63.7  
31/05/2011 08:32 69.3  
31/05/2011 09:02 70.0  
31/05/2011 09:32 70.8  
31/05/2011 10:02 69.4  
31/05/2011 10:32 69.7  
31/05/2011 11:02 69.3  
31/05/2011 11:32 65.1  
31/05/2011 12:02 63.2  
31/05/2011 12:32 62.4  
31/05/2011 13:02 65.5  
31/05/2011 13:32 68.6  
31/05/2011 14:02 69.2  
31/05/2011 14:32 67.8  
31/05/2011 15:02 70.2  
31/05/2011 15:32 70.2  
31/05/2011 16:02 65.3  
31/05/2011 16:32 66.7  
31/05/2011 17:02 63.8  
31/05/2011 17:32 64.4  
31/05/2011 18:02 63.4  
31/05/2011 18:32 63.8  
01/06/2011 07:02 64.8  
01/06/2011 07:32 64.2  
01/06/2011 08:02 65.0  
01/06/2011 08:32 65.3  
01/06/2011 09:02 66.8  
01/06/2011 09:32 66.7  
01/06/2011 10:02 67.3  
01/06/2011 10:32 67.9  
01/06/2011 11:02 69.7  
01/06/2011 11:32 67.3  
01/06/2011 12:02 65.4  
01/06/2011 12:32 64.7  
01/06/2011 13:02 65.8  
01/06/2011 13:32 66.1  
01/06/2011 14:02 65.5  
01/06/2011 14:32 65.5  
01/06/2011 15:02 66.0  
01/06/2011 15:32 65.2  
01/06/2011 16:02 65.9  
01/06/2011 16:32 67.3  
01/06/2011 17:02 66.6  
01/06/2011 17:32 66.1  
01/06/2011 18:02 65.5  
01/06/2011 18:32 64.8  
02/06/2011 07:02 64.1  
02/06/2011 07:32 64.7  
02/06/2011 08:02 64.1  
02/06/2011 08:32 68.3  
02/06/2011 09:02 70.3  
02/06/2011 09:32 70.6  
02/06/2011 10:02 69.6  
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02/06/2011 11:02 69.2  
02/06/2011 11:32 66.8  
02/06/2011 12:02 62.4  
02/06/2011 12:32 63.2  
02/06/2011 13:02 65.2

02/06/2011 13:32 68.2  
02/06/2011 14:02 69.6  
02/06/2011 14:32 68.1  
02/06/2011 15:02 70.1  
02/06/2011 15:32 70.9  
02/06/2011 16:02 67.1  
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13/06/2011 12:32 65.2  
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13/06/2011 14:02 72.6  
13/06/2011 14:32 72.1  
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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

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29/05/2011 13:27 64.5	29/05/2011 22:37 63.4	01/06/2011 19:47 64.2	03/06/2011 20:57 64.2	05/06/2011 10:07 64.6	05/06/2011 19:17 64.5
29/05/2011 13:32 64.6	29/05/2011 22:42 62.9	01/06/2011 19:52 64.0	03/06/2011 21:02 64.5	05/06/2011 10:12 63.9	05/06/2011 19:22 64.3
29/05/2011 13:37 64.1	29/05/2011 22:47 63.4	01/06/2011 19:57 64.4	03/06/2011 21:07 64.4	05/06/2011 10:17 64.5	05/06/2011 19:27 63.6
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29/05/2011 13:52 64.0	30/05/2011 19:02 65.1	01/06/2011 20:12 63.3	03/06/2011 21:22 64.4	05/06/2011 10:32 63.9	05/06/2011 19:42 63.9
29/05/2011 13:57 63.8	30/05/2011 19:07 65.5	01/06/2011 20:17 64.0	03/06/2011 21:27 64.2	05/06/2011 10:37 63.4	05/06/2011 19:47 64.0
29/05/2011 14:02 64.4	30/05/2011 19:12 66.2	0			

Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

05/06/2011 22:42 63.4	06/06/2011 15:52 63.5	07/06/2011 21:02 64.5	09/06/2011 22:12 61.9	12/06/2011 07:22 63.1	12/06/2011 16:32 62.8
05/06/2011 22:47 63.1	06/06/2011 15:57 64.2	07/06/2011 21:07 64.3	09/06/2011 22:17 61.7	12/06/2011 07:27 63.1	12/06/2011 16:37 64.3
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05/06/2011 22:57 62.8	06/06/2011 16:07 63.8	07/06/2011 21:17 64.8	09/06/2011 22:27 61.4	12/06/2011 07:37 62.6	12/06/2011 16:47 64.4
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06/06/2011 11:22 64.1	06/06/2011 20:32 63.7	08/06/2011 21:42 63.7	10/06/2011 22:52 61.3	12/06/2011 12:02 66.9	12/06/2011 21:12 63.1
06/06/2011 11:27 64.3	06/06/2011 20:37 63.2	08/06/2011 21:47 63.6	10/06/2011 22:57 61.9	12/06/2011 12:07 68.0	12/06/2011 21:17 63.9
06/06/2011 11:32 65.1	06/06/2011 20:42 63.2	08/06/2011 21:52 63.9	11/06/2011 19:02 64.1	12/06/2011 12:12 67.3	12/06/2011 21:22 63.7
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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

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01/06/2011 01:17 49.8	02/06/2011 02:27 59.1	03/06/2011 03:37 58.6	04/06/2011 04:47 51.9	05/06/2011 05:57 61.9	06/06/2011 23:07 57.0
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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

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Real-time Noise Data RTN1 / FEHD Hong Kong Transport Section Whitefield Depot

21/06/2011 01:32 60.1	22/06/2011 02:42 61.2	23/06/2011 03:52 60.0	24/06/2011 05:02 59.0	25/06/2011 06:12 60.1	26/06/2011 23:22 57.0
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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

Normal Day 07:00-19:00

02/06/2011 13:32 67.7	09/06/2011 08:32 60.7	14/06/2011 15:32 66.6	20/06/2011 10:32 66.9	24/06/2011 17:32 65.3
28/05/2011 07:02 63.7	02/06/2011 14:02 65.8	14/06/2011 16:02 67.2	20/06/2011 11:02 67.4	24/06/2011 18:02 66.2
28/05/2011 07:32 64.6	02/06/2011 14:32 65.5	14/06/2011 16:32 66.7	20/06/2011 11:32 66.7	24/06/2011 18:32 65.0
28/05/2011 08:02 66.0	02/06/2011 15:02 65.3	14/06/2011 17:02 67.0	20/06/2011 12:02 66.5	25/06/2011 07:02 63.4
28/05/2011 08:32 66.9	02/06/2011 15:32 65.7	14/06/2011 17:32 66.7	20/06/2011 12:32 66.1	25/06/2011 07:32 62.0
28/05/2011 09:02 69.7	02/06/2011 16:02 65.6	14/06/2011 18:02 66.0	20/06/2011 13:02 66.7	25/06/2011 08:02 62.6
28/05/2011 09:32 67.7	02/06/2011 16:32 65.7	14/06/2011 18:32 66.6	20/06/2011 13:32 67.5	25/06/2011 08:32 63.1
28/05/2011 10:02 67.2	02/06/2011 17:02 65.8	15/06/2011 07:02 62.3	20/06/2011 14:02 67.3	25/06/2011 09:02 64.1
28/05/2011 10:32 67.4	02/06/2011 17:32 65.5	15/06/2011 07:32 63.0	20/06/2011 14:32 66.2	25/06/2011 09:32 64.5
28/05/2011 11:02 66.5	02/06/2011 18:02 63.6	15/06/2011 08:02 64.2	20/06/2011 15:02 66.2	25/06/2011 10:02 63.9
28/05/2011 11:32 64.8	02/06/2011 18:32 64.6	15/06/2011 08:32 65.4	20/06/2011 15:32 67.0	25/06/2011 10:32 66.4
28/05/2011 12:02 63.1	03/06/2011 07:02 64.3	15/06/2011 09:02 66.2	20/06/2011 16:02 66.6	25/06/2011 11:02 62.9
28/05/2011 12:32 63.6	03/06/2011 07:32 62.6	15/06/2011 09:32 66.0	20/06/2011 16:32 66.9	25/06/2011 11:32 62.8
28/05/2011 13:02 64.9	03/06/2011 08:02 65.3	15/06/2011 10:02 66.5	20/06/2011 17:02 66.7	25/06/2011 12:02 62.5
28/05/2011 13:32 66.8	03/06/2011 08:32 69.3	15/06/2011 10:32 66.3	20/06/2011 17:32 65.0	25/06/2011 12:32 64.8
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28/05/2011 15:02 66.6	03/06/2011 10:02 67.4	15/06/2011 12:02 66.9	21/06/2011 07:02 63.9	25/06/2011 14:02 65.5
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28/05/2011 16:02 67.3	03/06/2011 11:02 66.0	15/06/2011 13:02 67.2	21/06/2011 08:02 63.4	25/06/2011 15:02 63.9
28/05/2011 16:32 67.3	03/06/2011 11:32 64.9	15/06/2011 13:32 67.4	21/06/2011 08:32 63.5	25/06/2011 15:32 63.2
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28/05/2011 17:32 66.1	03/06/2011 12:32 64.1	15/06/2011 14:32 67.1	21/06/2011 09:32 63.9	25/06/2011 16:32 65.3
28/05/2011 18:02 65.6	03/06/2011 13:02 63.6	15/06/2011 15:02 66.6	21/06/2011 10:02 65.1	25/06/2011 17:02 64.9
28/05/2011 18:32 66.2	03/06/2011 13:32 65.2	15/06/2011 15:32 66.9	21/06/2011 10:32 66.7	25/06/2011 17:32 65.6
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30/05/2011 08:32 65.1	03/06/2011 15:32 64.6	15/06/2011 17:32 68.4	21/06/2011 12:32 64.3	27/06/2011 07:32 65.4
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30/05/2011 12:02 64.5	04/06/2011 07:02 61.5	16/06/2011 09:02 67.4	21/06/2011 16:02 68.1	27/06/2011 11:02 66.0
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30/05/2011 13:02 66.1	04/06/2011 08:02 63.5	16/06/2011 10:02 66.6	21/06/2011 17:02 67.2	27/06/2011 12:02 66.1
30/05/2011 13:32 66.0	04/06/2011 08:32 64.6	16/06/2011 10:32 70.1	21/06/2011 17:32 67.3	27/06/2011 12:32 66.4
30/05/2011 14:02 66.8	04/06/2011 09:02 64.9	16/06/2011 11:02 69.8	21/06/2011 18:02 65.7	27/06/2011 13:02 67.0
30/05/2011 14:32 65.9	04/06/2011 09:32 66.0	16/06/2011 11:32 69.4	21/06/2011 18:32 64.7	27/06/2011 13:32 67.1
30/05/2011 15:02 65.9	04/06/2011 10:02 63.8	16/06/2011 12:02 66.1	22/06/2011 07:02 65.0	27/06/2011 14:02 67.1
30/05/2011 15:32 64.5	04/06/2011 10:32 67.2	16/06/2011 12:32 66.6	22/06/2011 07:32 63.8	27/06/2011 14:32 65.9
30/05/2011 16:02 65.5	04/06/2011 11:02 67.9	16/06/2011 13:02 67.0	22/06/2011 08:02 66.8	27/06/2011 15:02 65.9
30/05/2011 16:32 65.1	04/06/2011 11:32 64.5	16/06/2011 13:32 66.3	22/06/2011 08:32 66.6	27/06/2011 15:32 67.5
30/05/2011 17:02 65.8	04/06/2011 12:02 64.5	16/06/2011 14:02 66.8	22/06/2011 09:02 66.8	27/06/2011 16:02 67.3
30/05/2011 17:32 65.5	04/06/2011 12:32 64.2	16/06/2011 14:32 68.3	22/06/2011 09:32 67.7	27/06/2011 16:32 66.6
30/05/2011 18:02 65.9	04/06/2011 13:02 63.1	16/06/2011 15:02 68.6	22/06/2011 10:02 67.7	27/06/2011 17:02 66.2
30/05/2011 18:32 64.9	04/06/2011 13:32 63.3	16/06/2011 15:32 67.1	22/06/2011 10:32 68.6	27/06/2011 17:32 65.8
31/05/2011 07:02 63.5	04/06/2011 14:02 62.9	16/06/2011 16:02 67.4	22/06/2011 11:02 66.5	27/06/2011 18:02 64.2
31/05/2011 07:32 63.2	04/06/2011 14:32 63.0	16/06/2011 16:32 67.3	22/06/2011 11:32 66.6	27/06/2011 18:32 65.3
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31/05/2011 09:02 65.9	04/06/2011 16:02 65.5	16/06/2011 18:02 65.4	22/06/2011 13:02 67.1	
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31/05/2011 10:32 64.5	04/06/2011 17:32 64.6	17/06/2011 07:32 66.3	22/06/2011 14:32 67.6	
31/05/2011 11:02 64.9	04/06/2011 18:02 63.6	17/06/2011 08:02 67.9	22/06/2011 15:02 67.2	
31/05/2011 11:32 63.4	04/06/2011 18:32 63.1	17/06/2011 08:32 66.6	22/06/2011 15:32 68.5	
31/05/2011 12:02 63.5	07/06/2011 07:02 62.0	17/06/2011 09:02 67.5	22/06/2011 16:02 67.2	
31/05/2011 12:32 63.6	07/06/2011 07:32 63.6	17/06/2011 09:32 67.4	22/06/2011 16:32 67.1	
31/05/2011 13:02 64.3	07/06/2011 08:02 63.5	17/06/2011 10:02 68.5	22/06/2011 17:02 68.1	
31/05/2011 13:32 66.1	07/06/2011 08:32 63.5	17/06/2011 10:32 70.8	22/06/2011 17:32 68.2	
31/05/2011 14:02 67.1	07/06/2011 09:02 63.5	17/06/2011 11:02 68.4	22/06/2011 18:02 65.8	
31/05/2011 14:32 66.3	07/06/2011 09:32 64.8	17/06/2011 11:32 67.2	22/06/2011 18:32 64.8	
31/05/2011 15:02 63.6	07/06/2011 10:02 68.1	17/06/2011 12:02 70.6	23/06/2011 07:02 63.6	
31/05/2011 15:32 67.0	07/06/2011 10:32 70.2	17/06/2011 12:32 66.9	23/06/2011 07:32 65.2	
31/05/2011 16:02 68.4	07/06/2011 11:02 70.0	17/06/2011 13:02 66.3	23/06/2011 08:02 66.6	
31/05/2011 16:32 66.3	07/06/2011 11:32 69.3	17/06/2011 13:32 67.2	23/06/2011 08:32 65.6	
31/05/2011 17:02 65.5	07/06/2011 12:02 68.8	17/06/2011 14:02 67.6	23/06/2011 09:02 66.5	
31/05/2011 17:32 64.9	07/06/2011 12:32 67.4	17/06/2011 14:32 67.0	23/06/2011 09:32 66.6	
31/05/2011 18:02 65.9	07/06/2011 13:02 68.4	17/06/2011 15:02 66.7	23/06/2011 10:02 66.7	
31/05/2011 18:32 64.7	07/06/2011 13:32 65.2	17/06/2011 15:32 68.4	23/06/2011 10:32 66.7	
01/06/2011 07:02 62.7	07/06/2011 14:02 66.9	17/06/2011 16:02 67.0	23/06/2011 11:02 68.7	
01/06/2011 07:32 62.0	07/06/2011 14:32 65.3	17/06/2011 16:32 66.0	23/06/2011 11:32 67.1	
01/06/2011 08:02 62.6	07/06/2011 15:02 65.5	17/06/2011 17:02 66.9	23/06/2011 12:02 67.3	
01/06/2011 08:32 64.9	07/06/2011 15:32 66.4	17/06/2011 17:32 66.5	23/06/2011 12:32 66.7	
01/06/2011 09:02 66.6	07/06/2011 16:02 67.9	17/06/2011 18:02 64.3	23/06/2011 13:02 66.6	
01/06/2011 09:32 68.7	07/06/2011 16:32 69.9	17/06/2011 18:32 62.3	23/06/2011 13:32 67.2	
01/06/2011 10:02 67.4	07/06/2011 17:02 67.9	18/06/2011 07:02 64.1	23/06/2011 14:02 67.1	
01/06/2011 10:32 67.0	07/06/2011 17:32 66.5	18/06/2011 07:32 69.0	23/06/2011 14:32 65.8	
01/06/2011 11:02 65.8	07/06/2011 18:02 67.2	18/06/2011 08:02 67.1	23/06/2011 15:02 66.1	
01/06/2011 11:32 67.2	07/06/2011 18:32 64.7	18/06/2011 08:32 67.0	23/06/2011 15:32 66.8	
01/06/2011 12:02 66.5	08/06/2011 07:02 63.3	18/06/2011 09:02 67.1	23/06/2011 16:02 66.1	
01/06/2011 12:32 65.8	08/06/2011 07:32 61.5	18/06/2011 09:32 67.9	23/06/2011 16:32 66.1	
01/06/2011 13:02 67.3	08/06/2011 08:02 62.5	18/06/2011 10:02 68.1	23/06/2011 17:02 66.7	
01/06/2011 13:32 66.5	08/06/2011 08:32 64.3	18/06/2011 10:32 66.8	23/06/2011 17:32 66.4	
01/06/2011 14:02 66.1	08/06/2011 09:02 64.6	18/06/2011 11:02 66.7	23/06/2011 18:02 66.9	
01/06/2011 14:32 67.5	08/06/2011 09:32 65.2	18/06/2011 11:32 66.0	23/06/2011 18:32 65.3	
01/06/2011 15:02 66.0	08/06/2011 10:02 65.6	18/06/2011 12:02 66.7	24/06/2011 07:02 63.3	
01/06/2011 15:32 64.1	08/06/2011 10:32 66.4	18/06/2011 12:32 67.0	24/06/2011 07:32 61.7	
01/06/2011 16:02 64.6	08/06/2011 11:02 65.7	18/06/2011 13:02 67.0	24/06/2011 08:02 66.2	
01/06/2011 16:32 65.5	08/06/2011 11:32 65.1	18/06/2011 13:32 66.6	24/06/2011 08:32 66.2	
01/06/2011 17:02 65.7	08/06/2011 12:02 65.3	18/06/2011 14:02 66.5	24/06/2011 09:02 65.5	
01/06/2011 17:32 64.9	08/06/2011 12:32 64.5	18/06/2011 14:32 66.1	24/06/2011 09:32 67.1	
01/06/2011 18:02 66.2	08/06/2011 13:02 65.5	18/06/2011 15:02 67.4	24/06/2011 10:02 66.4	
01/06/2011 18:32 64.8	08/06/2011 13:32 64.3	18/06/2011 15:32 67.5	24/06/2011 10:32 65.9	
02/06/2011 07:02 62.0	08/06/2011 14:02 67.3	18/06/2011 16:02 66.7	24/06/2011 11:02 64.8	
02/06/2011 07:32 62.6	08/06/2011 14:32 65.			

Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

29/05/2011 07:42 62.3	29/05/2011 16:52 64.9	30/05/2011 22:02 61.4	02/06/2011 19:12 63.1	04/06/2011 20:22 62.0	05/06/2011 13:32 62.5
29/05/2011 07:47 62.8	29/05/2011 16:57 62.2	30/05/2011 22:07 61.4	02/06/2011 19:17 67.8	04/06/2011 20:27 61.5	05/06/2011 13:37 63.5
29/05/2011 07:52 62.7	29/05/2011 17:02 63.1	30/05/2011 22:12 62.0	02/06/2011 19:22 68.1	04/06/2011 20:32 61.1	05/06/2011 13:42 62.9
29/05/2011 07:57 62.0	29/05/2011 17:07 65.5	30/05/2011 22:17 61.6	02/06/2011 19:27 59.7	04/06/2011 20:37 61.3	05/06/2011 13:47 63.3
29/05/2011 08:02 62.5	29/05/2011 17:12 63.5	30/05/2011 22:22 62.6	02/06/2011 19:32 63.9	04/06/2011 20:42 61.6	05/06/2011 13:52 62.3
29/05/2011 08:07 61.7	29/05/2011 17:17 62.0	30/05/2011 22:27 62.6	02/06/2011 19:37 63.2	04/06/2011 20:47 60.7	05/06/2011 13:57 61.0
29/05/2011 08:12 63.6	29/05/2011 17:22 63.6	30/05/2011 22:32 61.9	02/06/2011 19:42 62.8	04/06/2011 20:52 60.9	05/06/2011 14:02 61.1
29/05/2011 08:17 63.2	29/05/2011 17:27 64.1	30/05/2011 22:37 61.7	02/06/2011 19:47 62.4	04/06/2011 20:57 60.9	05/06/2011 14:07 62.2
29/05/2011 08:22 63.1	29/05/2011 17:32 62.5	30/05/2011 22:42 61.7	02/06/2011 19:52 62.5	04/06/2011 21:02 61.0	05/06/2011 14:12 61.4
29/05/2011 08:27 63.5	29/05/2011 17:37 65.1	30/05/2011 22:47 61.8	02/06/2011 19:57 62.3	04/06/2011 21:07 60.5	05/06/2011 14:17 61.4
29/05/2011 08:32 62.1	29/05/2011 17:42 67.1	30/05/2011 22:52 61.9	02/06/2011 20:02 61.8	04/06/2011 21:12 61.4	05/06/2011 14:22 61.7
29/05/2011 08:37 62.0	29/05/2011 17:47 67.2	30/05/2011 22:57 61.8	02/06/2011 20:07 62.5	04/06/2011 21:17 62.7	05/06/2011 14:27 61.2
29/05/2011 08:42 63.0	29/05/2011 17:52 65.4	31/05/2011 19:02 61.4	02/06/2011 20:12 62.5	04/06/2011 21:22 61.5	05/06/2011 14:32 61.7
29/05/2011 08:47 62.3	29/05/2011 17:57 67.4	31/05/2011 19:07 61.8	02/06/2011 20:17 64.1	04/06/2011 21:27 61.4	05/06/2011 14:37 62.0
29/05/2011 08:52 62.7	29/05/2011 18:02 65.1	31/05/2011 19:12 61.3	02/06/2011 20:22 62.2	04/06/2011 21:32 60.2	05/06/2011 14:42 61.2
29/05/2011 08:57 63.8	29/05/2011 18:07 65.4	31/05/2011 19:17 62.2	02/06/2011 20:27 63.4	04/06/2011 21:37 61.4	05/06/2011 14:47 61.7
29/05/2011 09:02 63.2	29/05/2011 18:12 66.9	31/05/2011 19:22 61.4	02/06/2011 20:32 62.3	04/06/2011 21:42 60.9	05/06/2011 14:52 61.1
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29/05/2011 09:12 62.1	29/05/2011 18:22 66.2	31/05/2011 19:32 61.6	02/06/2011 20:42 62.6	04/06/2011 21:52 60.7	05/06/2011 15:02 61.1
29/05/2011 09:17 63.1	29/05/2011 18:27 66.6	31/05/2011 19:37 61.2	02/06/2011 20:47 61.4	04/06/2011 21:57 61.3	05/06/2011 15:07 61.3
29/05/2011 09:22 62.5	29/05/2011 18:32 63.8	31/05/2011 19:42 61.2	02/06/2011 20:52 61.8	04/06/2011 22:02 60.7	05/06/2011 15:12 61.8
29/05/2011 09:27 63.0	29/05/2011 18:37 61.9	31/05/2011 19:47 61.0	02/06/2011 20:57 63.1	04/06/2011 22:07 62.1	05/06/2011 15:17 61.6
29/05/2011 09:32 62.6	29/05/2011 18:42 62.5	31/05/2011 19:52 61.2	02/06/2011 21:02 61.5	04/06/2011 22:12 61.5	05/06/2011 15:22 61.5
29/05/2011 09:37 62.5	29/05/2011 18:47 64.4	31/05/2011 19:57 61.2	02/06/2011 21:07 61.2	04/06/2011 22:17 61.4	05/06/2011 15:27 69.3
29/05/2011 09:42 63.6	29/05/2011 18:52 63.0	31/05/2011 20:02 60.9	02/06/2011 21:12 61.4	04/06/2011 22:22 60.9	05/06/2011 15:32 61.7
29/05/2011 09:47 63.9	29/05/2011 18:57 62.6	31/05/2011 20:07 60.8	02/06/2011 21:17 61.9	04/06/2011 22:27 61.2	05/06/2011 15:37 63.0
29/05/2011 09:52 63.8	29/05/2011 19:02 66.7	31/05/2011 20:12 60.9	02/06/2011 21:22 61.2	04/06/2011 22:32 60.5	05/06/2011 15:42 62.9
29/05/2011 09:57 64.2	29/05/2011 19:07 62.7	31/05/2011 20:17 60.9	02/06/2011 21:27 61.5	04/06/2011 22:37 60.9	05/06/2011 15:47 62.0
29/05/2011 10:02 62.6	29/05/2011 19:12 61.8	31/05/2011 20:22 60.9	02/06/2011 21:32 62.8	04/06/2011 22:42 61.1	05/06/2011 15:52 62.3
29/05/2011 10:07 63.5	29/05/2011 19:17 62.7	31/05/2011 20:27 60.4	02/06/2011 21:37 61.9	04/06/2011 22:47 60.8	05/06/2011 15:57 61.6
29/05/2011 10:12 62.6	29/05/2011 19:22 63.1	31/05/2011 20:32 60.3	02/06/2011 21:42 61.5	04/06/2011 22:52 60.9	05/06/2011 16:02 61.6
29/05/2011 10:17 63.1	29/05/2011 19:27 62.8	31/05/2011 20:37 61.1	02/06/2011 21:47 61.2	04/06/2011 22:57 60.4	05/06/2011 16:07 61.6
29/05/2011 10:22 63.0	29/05/2011 19:32 62.1	31/05/2011 20:42 60.2	02/06/2011 21:52 60.9	04/06/2011 23:02 61.7	05/06/2011 16:12 62.4
29/05/2011 10:27 62.9	29/05/2011 19:37 62.4	31/05/2011 20:47 60.2	02/06/2011 21:57 61.7	04/06/2011 23:07 61.3	05/06/2011 16:17 63.9
29/05/2011 10:32 63.0	29/05/2011 19:42 62.4	31/05/2011 20:52 59.9	02/06/2011 22:02 61.1	04/06/2011 23:12 61.8	05/06/2011 16:22 63.1
29/05/2011 10:37 62.9	29/05/2011 19:47 62.8	31/05/2011 20:57 59.6	02/06/2011 22:07 60.9	04/06/2011 23:17 61.7	05/06/2011 16:27 62.6
29/05/2011 10:42 62.0	29/05/2011 19:52 62.7	31/05/2011 21:02 59.7	02/06/2011 22:12 61.0	04/06/2011 23:22 61.5	05/06/2011 16:32 64.0
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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

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06/06/2011 12:32 62.1	06/06/2011 21:42 61.0	08/06/2011 22:52 61.6	11/06/2011 20:02 62.4	12/06/2011 13:12 64.1	12/06/2011 22:22 61.6
06/06/2011 12:37 65.0	06/06/2011 21:47 60.8	08/06/2011 22:57 61.0	11/06/2011 20:07 61.8	12/06/2011 13:17 64.9	12/06/2011 22:27 61.8
06/06/2011 12:42 62.7	06/06/2011 21:52 61.7	09/06/2011 19:02 60.7	11/06/2011 20:12 62.0	12/06/2011 13:22 63.8	12/06/2011 22:32 61.3
06/06/2011 12:47 62.2	06/06/2011 21:57 60.7	09/06/2011 19:07 60.4	11/06/2011 20:17 62.9	12/06/2011 13:27 63.8	12/06/2011 22:37 61.7
06/06/2011 12:52 62.3	06/06/2011 22:02 60.6	09/06/2011 19:12 60.7	11/06/2011 20:22 61.9	12/06/2011 13:32 64.8	12/06/2011 22:42 61.9
06/06/2011 12:57 62.5	06/06/2011 22:07 61.1	09/06/2011 19:17 60.6	11/06/2011 20:27 62.2	12/06/2011 13:37 65.7	12/06/2011 22:47 62.4
06/06/2011 13:02 62.2	06/06/2011 22:12 60.6	09/0			

Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

13/06/2011 21:42 61.5	15/06/2011 22:52 60.7	18/06/2011 20:02 62.0	19/06/2011 13:12 63.3	19/06/2011 22:22 62.1	22/06/2011 19:32 65.0
13/06/2011 21:47 61.7	15/06/2011 22:57 60.9	18/06/2011 20:07 62.3	19/06/2011 13:17 62.8	19/06/2011 22:27 62.0	22/06/2011 19:37 65.1
13/06/2011 21:52 61.6	16/06/2011 19:02 64.1	18/06/2011 20:12 62.2	19/06/2011 13:22 62.7	19/06/2011 22:32 61.6	22/06/2011 19:42 64.6
13/06/2011 21:57 61.2	16/06/2011 19:07 66.3	18/06/2011 20:17 62.1	19/06/2011 13:27 62.0	19/06/2011 22:37 61.2	22/06/2011 19:47 65.1
13/06/2011 22:02 61.8	16/06/2011 19:12 64.6	18/06/2011 20:22 62.0	19/06/2011 13:32 63.2	19/06/2011 22:42 61.5	22/06/2011 19:52 64.6
13/06/2011 22:07 61.8	16/06/2011 19:17 64.1	18/06/2011 20:27 62.4	19/06/2011 13:37 62.8	19/06/2011 22:47 61.5	22/06/2011 19:57 64.6
13/06/2011 22:12 62.2	16/06/2011 19:22 64.4	18/06/2011 20:32 61.8	19/06/2011 13:42 63.3	19/06/2011 22:52 60.9	22/06/2011 20:02 64.2
13/06/2011 22:17 63.4	16/06/2011 19:27 65.0	18/06/2011 20:37 62.0	19/06/2011 13:47 62.2	19/06/2011 22:57 60.6	22/06/2011 20:07 64.7
13/06/2011 22:22 61.4	16/06/2011 19:32 64.7	18/06/2011 20:42 62.1	19/06/2011 13:52 63.3	20/06/2011 19:02 62.5	22/06/2011 20:12 64.1
13/06/2011 22:27 62.9	16/06/2011 19:37 65.2	18/06/2011 20:47 62.1	19/06/2011 13:57 61.9	20/06/2011 19:07 62.8	22/06/2011 20:17 64.5
13/06/2011 22:32 61.8	16/06/2011 19:42 65.8	18/06/2011 20:52 61.7	19/06/2011 14:02 61.9	20/06/2011 19:12 62.7	22/06/2011 20:22 63.7
13/06/2011 22:37 61.9	16/06/2011 19:47 64.8	18/06/2011 20:57 63.1	19/06/2011 14:07 61.9	20/06/2011 19:17 65.3	22/06/2011 20:27 64.1
13/06/2011 22:42 60.7	16/06/2011 19:52 65.2	18/06/2011 21:02 61.8	19/06/2011 14:12 62.5	20/06/2011 19:22 64.2	22/06/2011 20:32 63.9
13/06/2011 22:47 61.3	16/06/2011 19:57 67.8	18/06/2011 21:07 62.3	19/06/2011 14:17 63.3	20/06/2011 19:27 64.4	22/06/2011 20:37 64.3
13/06/2011 22:52 61.5	16/06/2011 20:02 64.4	18/06/2011 21:12 61.9	19/06/2011 14:22 63.4	20/06/2011 19:32 62.8	22/06/2011 20:42 64.0
13/06/2011 22:57 61.0	16/06/2011 20:07 65.4	18/06/2011 21:17 62.2	19/06/2011 14:27 62.1	20/06/2011 19:37 62.6	22/06/2011 20:47 64.4
14/06/2011 19:02 67.2	16/06/2011 20:12 64.9	18/06/2011 21:22 61.7	19/06/2011 14:32 62.3	20/06/2011 19:42 62.4	22/06/2011 20:52 64.1
14/06/2011 19:07 66.2	16/06/2011 20:17 62.3	18/06/2011 21:27 62.2	19/06/2011 14:37 61.2	20/06/2011 19:47 62.2	22/06/2011 20:57 63.8
14/06/2011 19:12 68.3	16/06/2011 20:22 62.4	18/06/2011 21:32 63.1	19/06/2011 14:42 61.8	20/06/2011 19:52 62.8	22/06/2011 21:02 63.5
14/06/2011 19:17 65.9	16/06/2011 20:27 61.5	18/06/2011 21:37 61.5	19/06/2011 14:47 62.0	20/06/2011 19:57 63.2	22/06/2011 21:07 64.2
14/06/2011 19:22 64.3	16/06/2011 20:32 62.6	18/06/2011 21:42 62.2	19/06/2011 14:52 62.7	20/06/2011 20:02 62.3	22/06/2011 21:12 63.5
14/06/2011 19:27 64.4	16/06/2011 20:37 61.4	18/06/2011 21:47 62.1	19/06/2011 14:57 62.4	20/06/2011 20:07 62.8	22/06/2011 21:17 63.4
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14/06/2011 19:37 64.2	16/06/2011 20:47 61.7	18/06/2011 21:57 62.5	19/06/2011 15:07 61.9	20/06/2011 20:17 61.7	22/06/2011 21:27 63.6
14/06/2011 19:42 65.3	16/06/2011 20:52 62.2	18/06/2011 22:02 62.7	19/06/2011 15:12 63.7	20/06/2011 20:22 62.0	22/06/2011 21:32 63.3
14/06/2011 19:47 65.7	16/06/2011 20:57 62.9	18/06/2011 22:07 62.6	19/06/2011 15:17 63.5	20/06/2011 20:27 61.5	22/06/2011 21:37 63.5
14/06/2011 19:52 65.8	16/06/2011 21:02 63.5	18/06/2011 22:12 61.7	19/06/2011 15:22 63.8	20/06/2011 20:32 62.1	22/06/2011 21:42 63.3
14/06/2011 19:57 64.6	16/06/2011 21:07 63.5	18/06/2011 22:17 62.3	19/06/2011 15:27 64.1	20/06/2011 20:37 61.7	22/06/2011 21:47 63.8
14/06/2011 20:02 63.4	16/06/2011 21:12 62.8	18/06/2011 22:22 62.0	19/06/2011 15:32 63.2	20/06/2011 20:42 61.2	22/06/2011 21:52 63.5
14/06/2011 20:07 63.0	16/06/2011 21:17 63.6	18/06/2011 22:27 62.2	19/06/2011 15:37 62.0	20/06/2011 20:47 61.6	22/06/2011 21:57 64.0
14/06/2011 20:12 62.6	16/06/2011 21:22 63.5	18/06/2011 22:32 62.1	19/06/2011 15:42 62.1	20/06/2011 20:52 62.2	22/06/2011 22:02 63.8
14/06/2011 20:17 63.6	16/06/2011 21:27 63.6	18/06/2011 22:37 61.9	19/06/2011 15:47 63.3	20/06/2011 20:57 62.5	22/06/2011 22:07 63.6
14/06/2011 20:22 63.1	16/06/2011 21:32 64.2	18/06/2011 22:42 62.1	19/06/2011 15:52 62.7	20/06/2011 21:02 61.1	22/06/2011 22:12 63.3
14/06/2011 20:27 62.2	16/06/2011 21:37 64.2	18/06/2011 22:47 61.5	19/06/2011 15:57 64.8	20/06/2011 21:07 61.7	22/06/2011 22:17 63.5
14/06/2011 20:32 62.4	16/06/2011 21:42 63.5	18/06/2011 22:52 62.0	19/06/2011 16:02 63.5	20/06/2011 21:12 62.4	22/06/2011 22:22 63.5
14/06/2011 20:37 63.1	16/06/2011 21:47 63.9	18/06/2011 22:57 61.6	19/06/2011 16:07 62.2	20/06/2011 21:17 61.3	22/06/2011 22:27 64.1
14/06/2011 20:42 62.5	16/06/2011 21:52 63.9	19/06/2011 07:02 60.8	19/06/2011 16:12 63.1	20/06/2011 21:22 61.2	22/06/2011 22:32 63.7
14/06/2011 20:47 62.5	16/06/2011 21:57 63.0	19/06/2011 07:07 61.5	19/06/2011 16:17 62.7	20/06/2011 21:27 61.9	22/06/2011 22:37 63.4
14/06/2011 20:52 62.5	16/06/2011 22:02 63.2	19/06/2011 07:12 62.3	19/06/2011 16:22 62.7	20/06/2011 21:32 61.3	22/06/2011 22:42 63.2
14/06/2011 20:57 62.2	16/06/2011 22:07 63.2	19/06/2011 07:17 68.1	19/06/2011 16:27 63.3	20/06/2011 21:37 61.3	22/06/2011 22:47 63.3
14/06/2011 21:02 62.5	16/06/2011 22:12 63.4	19/06/2011 07:22 62.4	19/06/2011 16:32 63.5	20/06/2011 21:42 61.3	22/06/2011 22:52 63.1
14/06/2011 21:07 62.4	16/06/2011 22:17 63.6	19/06/2011 07:27 61.3	19/06/2011 16:37 64.8	20/06/2011 21:47 61.1	22/06/2011 22:57 62.9
14/06/2011 21:12 62.7	16/06/2011 22:22 63.2	19/06/2011 07:32 62.0	19/06/2011 16:42 63.8	20/06/2011 21:52 61.2	23/06/2011 19:02 63.3
14/06/2011 21:17 62.4	16/06/2011 22:27 63.3	19/06/2011 07:37 63.0	19/06/2011 16:47 64.0	20/06/2011 21:57 61.5	23/06/2011 19:07 63.0
14/06/2011 21:22 62.5	16/06/2011 22:32 63.0	19/06/2011 07:42 64.1	19/06/2011 16:52 67.6	20/06/2011 22:02 61.6	23/06/2011 19:12 64.8
14/06/2011 21:27 62.9	16/06/2011 22:37 63.6	19/06/2011 07:47 61.4	19/06/2011 16:57 62.7	20/06/2011 22:07 61.0	23/06/2011 19:17 63.2
14/06/2011 21:32 62.2	16/06/2011 22:42 63.4	19/06/2011 07:52 62.6	19/06/2011 17:02 64.2	20/06/2011 22:12 61.6	23/06/2011 19:22 63.6
14/06/2011 21:37 62.8	16/06/2011 22:47 63.2	19/06/2011 07:57 61.9	19/06/2011 17:07 64.8	20/06/2011 22:17 61.2	23/06/2011 19:27 63.6
14/06/2011 21:42 62.1	16/06/2011 22:52 63.2	19/06/2011 08:02 61.6	19/06/2011 17:12 68.8	20/06/2011 22:22 61.1	23/06/2011 19:32 64.1
14/06/2011 21:47 62.6	16/06/2011 22:57 62.3	19/06/2011 08:07 61.8	19/06/2011 17:17 65.5	20/06/2011 22:27 61.7	23/06/2011 19:37 64.7
14/06/2011 21:52 62.3	17/06/2011 19:02 61.6	19/06/2011 08:12 62.1	19/06/2011 17:22 65.0	20/06/2011 22:32 61.6	23/06/2011 19:42 63.2
14/06/2011 21:57 62.0	17/06/2011 19:07 66.8	19/06/2011 08:17 61.8	19/06/2011 17:27 62.7	20/06/2011 22:37 61.7	23/06/2011 19:47 63.0
14/06/2011 22:02 62.2	17/06/2011 19:12 63.7	19/06/2011 08:22 62.7	19/06/2011 17:32 64.1	20/06/2011 22:42 61.7	23/06/2011 19:52 63.4
14/06/2011 22:07 62.2	17/06/2011 19:17 63.1	19/06/2011 08:27 62.7	19/06/2011 17:37 64.9	20/06/2011 22:47 61.7	23/06/2011 19:57 62.6
14/06/2011 22:12 62.3	17/06/2011 19:22 63.9	19/06/2011 08:32 62.5	19/06/2011 17:42 66.6	20/06/2011 22:52 60.7	23/06/2011 20:02 62.9
14/06/2011 22:17 62.0	17/06/2011 19:27 63.4	19/06/2011 08:37 66.6	19/06/2011 17:47 63.4	20/06/2011 22:57 61.0	23/06/2011 20:07 62.9
14/06/2011 22:22 62.5	17/06/2011 19:32 63.1	19/06/2011 08:42 66.1	19/06/2011 17:52 63.6	21/06/2011 19:02 63.8	23/06/2011 20:12 63.2
14/06/2011 22:27 63.0	17/06/2011 19:37 63.3	19/06/2011 08:47 63.9	19/06/2011 17:57 63.0	21/06/2011 19:07 63.3	23/06/2011 20:17 62.9
14/06/2011 22:32 62.0	17/06/2011 19:42 63.2	19/06/2011 08:52 65.0	19/06/2011 18:02 63.6	21/06/2011 19:12 63.1	23/06/2011 20:22 62.7
14/06/2011 22:37 62.4	17/06/2011 19:47 64.2	19/06/2011 08:57 63.6	19/06/2011 18:07 63.3	21/06/2011 19:17 62.4	23/06/2011 20:27 63.3
14/06/2011 22:42 62.5	17/06/2011 19:52 63.6	19/06/2011 09:02 64.0	19/06/2011 18:12 62.2	21/06/2011 19:22 62.9	23/06/2011 20:32 62.5
14/06/2011 22:47 61.4	17/06/2011 19:57 64.3	19/06/2011 09:07 63.4	19/06/2011 18:17 62.1	21/06/2011 19:27 62.1	23/06/2011 20:37 62.6
14/06/2011 22:52 62.1	17/06/2011 20:02 63.1	19/06/2011 09:12 63.6	19/06/2011 18:22 62.8	21/06/2011 19:32 63.4	23/06/2011 20:42 62.4
14/06/2011 22:57 61.9	17/06/2011 20:07 62.8	19/06/2011 09:17 62.5	19/06/2011 18:27 64.6	21/06/2011 19:37 63.1	23/06/2011 20:47 62.0
15/06/2011 19:02 66.2	17/06/2011 20:12 63.7	19/06/2011 09:22 64.0	19/06/2011 18:32 64.8	21/06/2011 19:42 63.3	23/06/2011 20:52 62.2
15/06/2011 19:07 66.5	17/06/2011 20:17 63.4	19/06/2011 09:27 62.9	19/06/2011 18:37 65.8	21/06/2011 19:47 63.9	23/06/2011 20:57 62.8
15/06/2011 19:12 66.0	17/06/2011 20:22 63.3	19/06/2011 09:32 64.0	19/06/2011 18:42 63.6	21/06/2011 19:52 63.0	23/06/2011 21:02 62.8
15/06/2011 19:17 64.1	17/06/2011 20:27 63.2	19/06/2011 09:37 63.9	19/06/2011 18:47 65.0	21/06/2011 19:57 62.6	23/06/2011 21:07 62.3
15/06/2011 19:22 64.0	17/06/2011 20:32 62.5	19/06/2011 09:42 63.0	19/06/2011 18:52 65.1	21/06/2011 20:02 62.7	23/06/2011 21:12 62.4
15/06/2011 19:27 63.7	17/06/2011 20:37 63.1	19/06/2011 09:47 64.0	19/06/2011 18:57 62.3	21/06/2011 20:07 63.2	23/06/2011 21:17 62.3
15/06/2011 19:32 62.9	17/06/2011 20:42 62.8	19/06/2011 09:52 64.8	19/06/2011 19:02 62.3	21/06/2011 20:12 63.5	23/06/2011 21:22 62.1
15/06/2011 19:37 63.1	17/06/2011 20:47 63.2	19/06/2011 09:57 62.9	19/06/2011 19:07 62.3	21/06/2011 20:17 63.5	23/06/2011 21:27 63.0
15/06/2011 19:42 62.6	17/06/2011 20:52 62.7	19/06/2011 10:02 61.9	19/06/2011 19:12 63.3	21/06/2011 20:22 63.5	23/06/2011 21:32 63.1
15/06/2011 19:47 63.1	17/06/2011 20:57 62.7	19/06/2011 10:07 63.0	19/06/2011 19:17 68.6	21/06/2011 20:27 63.7	23/06/2011 21:37 62.3
15/06/2011 19:52 62.9	17/06/2011 21:02 63.2	19/06/2011 10:12 62.2	19/06/2011 19:22 65.3	21/06/2011 20:32 63.2	23/06/2011 21:42 62.3
15/06/2011 19:57 64.1	17/06/2011 21:07 63.2	19/06/2011 10:17 62.8	19/06/2011 19:27 61.6	21/06/2011 20:37 64.7	23/06/2011 21:47 62.9
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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

24/06/2011 20:42 62.8	26/06/2011 09:52 63.7	26/06/2011 19:02 62.7	28/05/2011 01:02 59.7	29/05/2011 02:12 59.3	30/05/2011 03:22 55.9
24/06/2011 20:47 61.9	26/06/2011 09:57 63.5	26/06/2011 19:07 62.7	28/05/2011 01:07 59.6	29/05/2011 02:17 59.3	30/05/2011 03:27 54.6
24/06/2011 20:52 61.8	26/06/2011 10:02 63.6	26/06/2011 19:12 62.5	28/05/2011 01:12 59.4	29/05/2011 02:22 58.5	30/05/2011 03:32 55.4
24/06/2011 20:57 61.9	26/06/2011 10:07 63.6	26/06/2011 19:17 62.4	28/05/2011 01:17 60.0	29/05/2011 02:27 58.6	30/05/2011 03:37 54.9
24/06/2011 21:02 61.8	26/06/2011 10:12 64.1	26/06/2011 19:22 61.8	28/05/2011 01:22 61.0	29/05/2011 02:32 58.3	30/05/2011 03:42 55.6
24/06/2011 21:07 62.1	26/06/2011 10:17 61.2	26/06/2011 19:27 61.7	28/05/2011 01:27 61.9	29/05/2011 02:37 58.3	30/05/2011 03:47 56.0
24/06/2011 21:12 61.6	26/06/2011 10:22 67.0	26/06/2011 19:32 62.5	28/05/2011 01:32 59.2	29/05/2011 02:42 58.3	30/05/2011 03:52 55.3
24/06/2011 21:17 62.0	26/06/2011 10:27 66.0	26/06/2011 19:37 61.9	28/05/2011 01:37 59.8	29/05/2011 02:47 57.3	30/05/2011 03:57 55.6
24/06/2011 21:22 62.1	26/06/2011 10:32 63.9	26/06/2011 19:42 62.0	28/05/2011 01:42 59.2	29/05/2011 02:52 58.9	30/05/2011 04:02 56.8
24/06/2011 21:27 61.6	26/06/2011 10:37 64.0	26/06/2011 19:47 61.9	28/05/2011 01:47 59.3	29/05/2011 02:57 58.0	30/05/2011 04:07 55.8
24/06/2011 21:32 63.1	26/06/2011 10:42 63.9	26/06/2011 19:52 62.1	28/05/2011 01:52 58.2	29/05/2011 03:02 56.9	30/05/2011 04:12 55.1
24/06/2011 21:37 61.6	26/06/2011 10:47 63.5	26/06/2011 19:57 62.0	28/05/2011 01:57 59.5	29/05/2011 03:07 56.6	30/05/2011 04:17 55.5
24/06/2011 21:42 61.8	26/06/2011 10:52 63.3	26/06/2011 20:02 62.4	28/05/2011 02:02 59.2	29/05/2011 03:12 58.8	30/05/2011 04:22 55.8
24/06/2011 21:47 61.5	26/06/2011 10:57 63.1	26/06/2011 20:07 62.2	28/05/2011 02:07 59.4	29/05/2011 03:17 57.3	30/05/2011 04:27 56.2
24/06/2011 21:52 61.5	26/06/2011 11:02 62.9	26/06/2011 20:12 62.7	28/05/2011 02:12 58.5	29/05/2011 03:22 56.8	30/05/2011 04:32 57.1
24/06/2011 21:57 61.4	26/06/2011 11:07 63.1	26/06/2011 20:17 62.5	28/05/2011 02:17 58.2	29/05/2011 03:27 58.3	30/05/2011 04:37 57.5
24/06/2011 22:02 61.7	26/06/2011 11:12 61.6	26/06/2011 20:22 62.3	28/05/2011 02:22 57.8	29/05/2011 03:32 57.7	30/05/2011 04:42 60.1
24/06/2011 22:07 61.2	26/06/2011 11:17 63.2	26/06/2011 20:27 61.5	28/05/2011 02:27 57.9	29/05/2011 03:37 56.1	30/05/2011 04:47 58.0
24/06/2011 22:12 62.2	26/06/2011 11:22 62.8	26/06/2011 20:32 61.5	28/05/2011 02:32 58.2	29/05/2011 03:42 57.5	30/05/2011 04:52 55.5
24/06/2011 22:17 61.8	26/06/2011 11:27 61.5	26/06/2011 20:37 61.6	28/05/2011 02:37 57.8	29/05/2011 03:47 57.8	30/05/2011 04:57 56.0
24/06/2011 22:22 61.6	26/06/2011 11:32 62.2	26/06/2011 20:42 61.3	28/05/2011 02:42 58.3	29/05/2011 03:52 57.5	30/05/2011 05:02 61.0
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24/06/2011 22:32 61.7	26/06/2011 11:42 62.1	26/06/2011 20:52 62.2	28/05/2011 02:52 58.0	29/05/2011 04:02 56.9	30/05/2011 05:12 57.1
24/06/2011 22:37 61.4	26/06/2011 11:47 61.4	26/06/2011 20:57 61.9	28/05/2011 02:57 57.7	29/05/2011 04:07 56.5	30/05/2011 05:17 56.7
24/06/2011 22:42 61.4	26/06/2011 11:52 61.0	26/06/2011 21:02 61.6	28/05/2011 03:02 57.7	29/05/2011 04:12 56.8	30/05/2011 05:22 60.5
24/06/2011 22:47 61.4	26/06/2011 11:57 61.5	26/06/2011 21:07 62.2	28/05/2011 03:07 57.5	29/05/2011 04:17 57.4	30/05/2011 05:27 59.0
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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

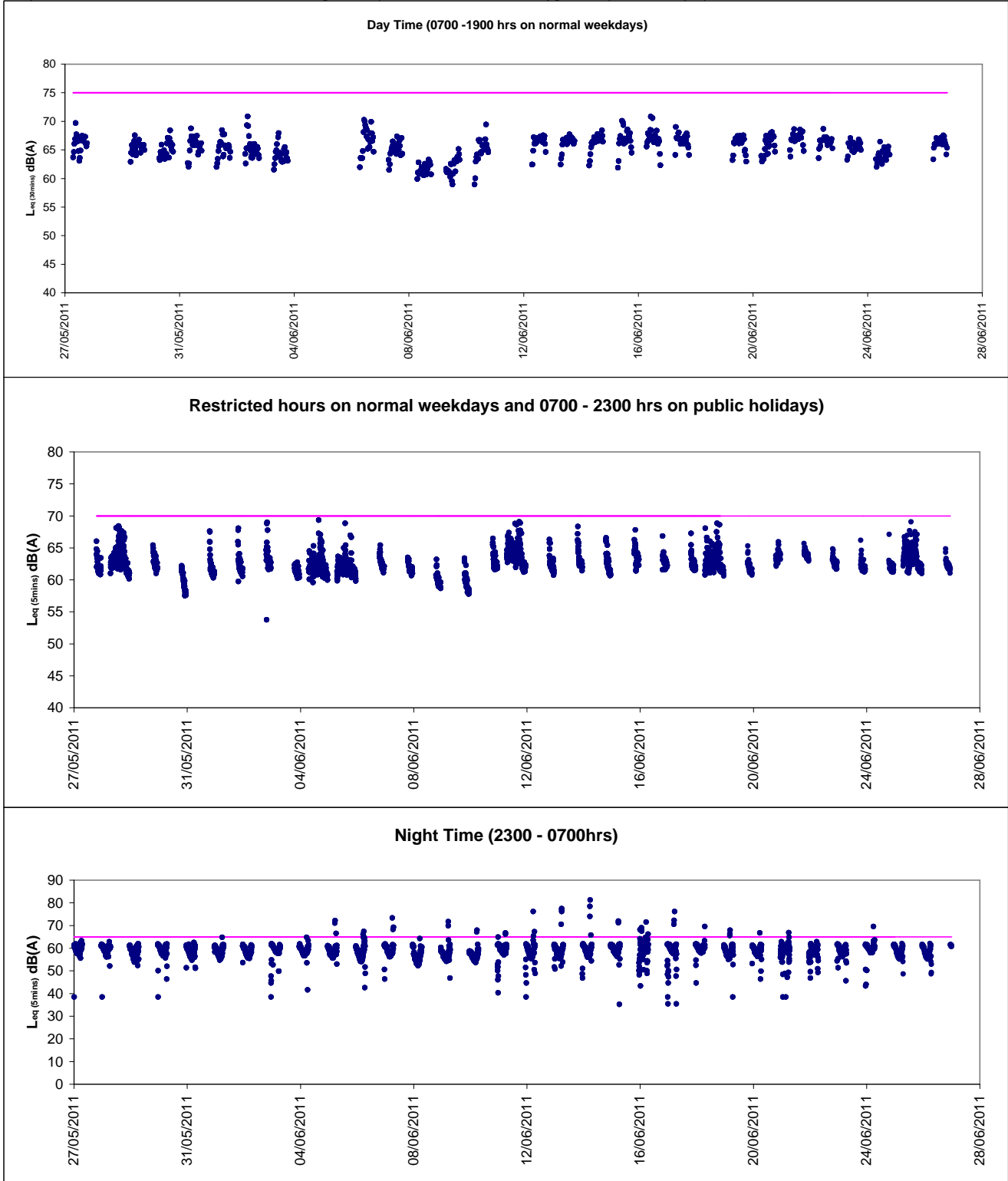
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Real-time Noise Data RTN2 (Oil Street Community Liaison Centre)

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21/06/2011 05:27 66.7	22/06/2011 06:37 58.8	23/06/2011 23:47 51.3	25/06/2011 00:57 60.1	26/06/2011 02:07 57.4	27/06/2011 03:17 56.2
21/06/2011 05:32 59.8	22/06/2011 06:42 59.9	23/06/2011 23:52 61.3	25/06/2011 01:02 60.2	26/06/2011 02:12 57.6	27/06/2011 03:22 55.9
21/06/2011 05:37 58.1	22/06/2011 06:47 59.7	23/06/2011 23:57 55.3	25/06/2011 01:07 59.9	26/06/2011 02:17 56.6	27/06/2011 03:27 56.0
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21/06/2011 05:47 61.0	22/06/2011 06:57 59.3	24/06/2011 00:07 61.0	25/06/2011 01:17 60.1	26/06/2011 02:27 56.2	27/06/2011 03:37 56.0
21/06/2011 05:52 60.3	22/06/2011 23:02 57.8	24/06/2011 00:12 61.3	25/06/2011 01:22 60.2	26/06/2011 02:32 56.6	27/06/2011 03:42 55.2
21/06/2011 05:57 56.7	22/06/2011 23:07 57.4	24/06/2011 00:17 60.9	25/06/2011 01:27 60.1	26/06/2011 02:37 57.2	27/06/2011 03:47 56.1
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21/06/2011 06:07 59.0	22/06/2011 23:17 55.9	24/06/2011 00:27 61.2	25/06/2011 01:37 59.9	26/06/2011 02:47 57.1	27/06/2011 03:57 57.5
21/06/2011 06:12 61.6	22/06/2011 23:22 54.0	24/06/2011 00:32 60.4	25/06/2011 01:42 59.7	26/06/2011 02:52 55.9	27/06/2011 04:02 57.9
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21/06/2011 06:27 60.6	22/06/2011 23:37 56.5	24/06/2011 00:47 59.0	25/06/2011 01:57 60.3	26/06/2011 03:07 57.3	27/06/2011 04:17 58.6
21/06/2011 06:32 60.5	22/06/2011 23:42 54.7	24/06/2011 00:52 59.1	25/06/2011 02:02 59.2	26/06/2011 03:12 57.8	27/06/2011 04:22 58.0
21/06/2011 06:37 49.8	22/06/2011 23:47 57.5	24/06/2011 00:57 59.4	25/06/2011 02:07 59.4	26/06/2011 03:17 56.3	27/06/2011 04:27 58.1
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21/06/2011 06:52 61.4	23/06/2011 00:02 55.4	24/06/2011 01:12 59.1	25/06/2011 02:22 59.4	26/06/2011 03:32 56.2	27/06/2011 04:42 58.2
21/06/2011 06:57 55.0	23/06/2011 00:07 56.1	24/06/2011 01:17 59.5	25/06/2011 02:27 59.0	26/06/2011 03:37 55.9	27/06/2011 04:47 57.2
21/06/2011 23:02 55.9	23/06/2011 00:12 56.5	24/06/2011 01:22 60.3	25/06/2011 02:32 59.2	26/06/2011 03:42 56.0	27/06/2011 04:52 57.2
21/06/2011 23:07 59.4	23/06/2011 00:17 57.0	24/06/2011 01:27 58.3	25/06/2011 02:37 58.9	26/06/2011 03:47 56.0	27/06/2011 04:57 58.0
21/06/2011 23:12 57.9	23/06/2011 00:22 49.7	24/06/2011 01:32 58.5	25/06/2011 02:42 59.2	26/06/2011 03:52 56.0	27/06/2011 05:02 58.3
21/06/2011 23:17 56.9	23/06/2011 00:27 46.7	24/06/2011 01:37 59.3	25/06/2011 02:47 59.2	26/06/2011 03:57 55.2	27/06/2011 05:07 58.4
21/06/2011 23:22 56.4	23/06/2011 00:32 53.9	24/06/2011 01:42 58.6	25/06/2011 02:52 59.1	26/06/2011 04:02 56.1	27/06/2011 05:12 58.4
21/06/2011 23:27 60.9	23/06/2011 00:37 53.9	24/06/2011 01:47 57.7	25/06/2011 02:57 59.1	26/06/2011 04:07 55.9	27/06/2011 05:17 58.4
21/06/2011 23:32 57.7	23/06/2011 00:42 61.9	24/06/2011 01:52 58.7	25/06/2011 03:02 58.4	26/06/2011 04:12 57.9	27/06/2011 05:22 57.9
21/06/2011 23:37 58.0	23/06/2011 00:47 61.8	24/06/2011 01:57 59.3	25/06/2011 03:07 58.5	26/06/2011 04:17 57.9	27/06/2011 05:27 57.2
21/06/2011 23:42 62.9	23/06/2011 00:52 61.5	24/06/2011 02:02 57.7	25/06/2011 03:12 58.8	26/06/2011 04:22 58.0	27/06/2011 05:32 55.4
21/06/2011 23:47 62.6	23/06/2011 00:57 60.4	24/06/2011 02:07 57.9	25/06/2011 03:17 58.5	26/06/2011 04:27 58.8	27/06/2011 05:37 60.6
21/06/2011 23:52 58.0	23/06/2011 01:02 60.6	24/0			

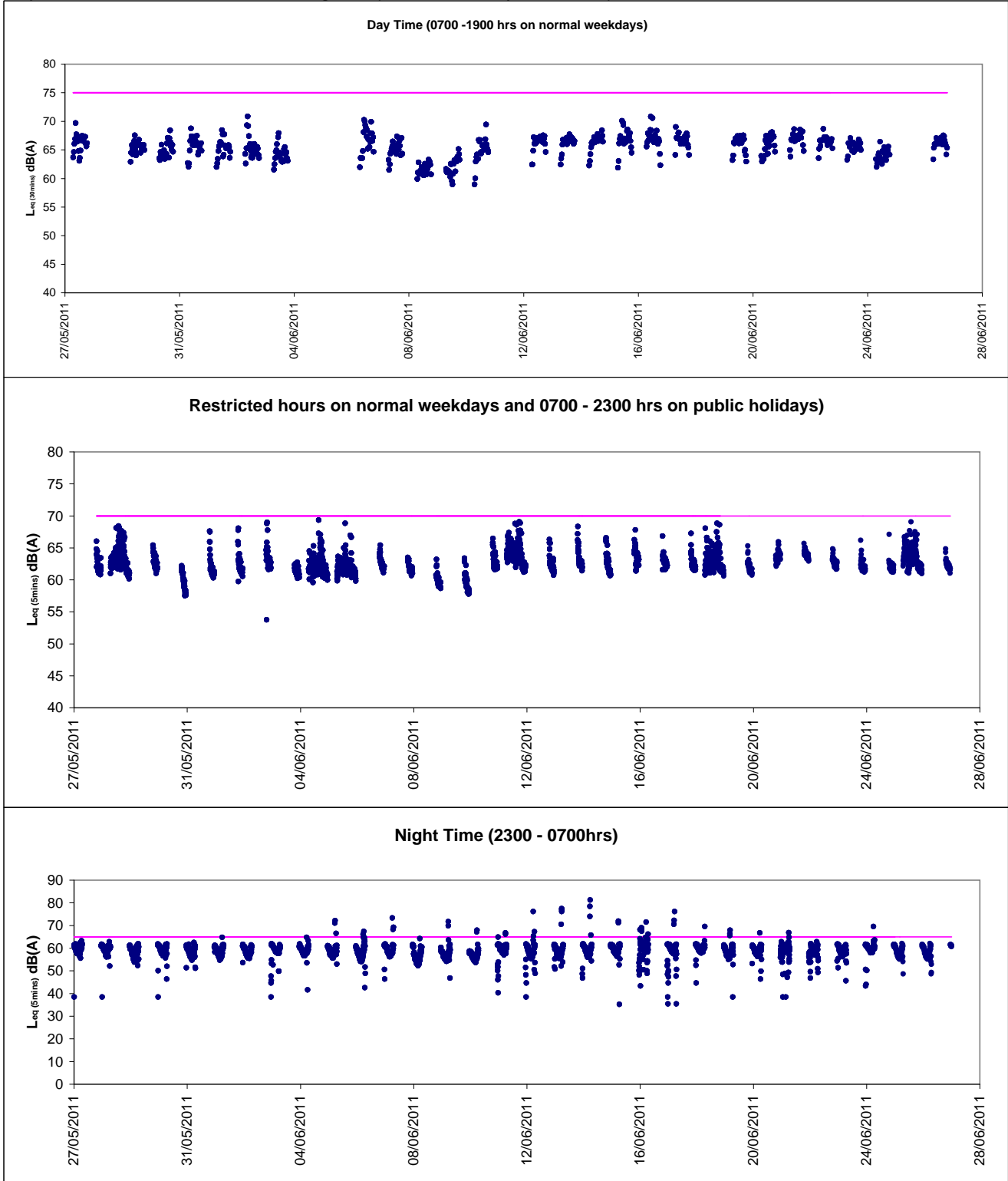


Graphic Presentation of Real Time Noise Monitoring Result (Food and Environmental Hygiene Department Depot)





**Graphic Presentation of Real Time Noise Monitoring Result (Oil Street Community Liaison Centre)**





***Appendix 6.1***

*Event Action Plans*



Event/Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level being exceeded	<ol style="list-style-type: none"><li>1. Notify ER, IEC and Contractor;</li><li>2. Carry out investigation;</li><li>3. Report the results of investigation to the IEC, ER and Contractor;</li><li>4. Discuss with the IEC and Contractor on remedial measures required;</li><li>5. Increase monitoring frequency to check mitigation effectiveness.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Review the investigation results submitted by the ET;</li><li>2. Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li><li>3. Advise the ER on the effectiveness of the proposed remedial measures.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Confirm receipt of notification of failure in writing;</li><li>2. Notify Contractor;</li><li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li><li>4. Supervise the implementation of remedial measures.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none"><li>1. Submit noise mitigation proposals to IEC and ER;</li><li>2. Implement noise mitigation proposals.</li></ol> <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>



EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Limit Level being exceeded	1. Inform IEC, ER, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)



**Event / Action Plan for Construction Air Quality**

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
<b>ACTION LEVEL</b>				
1. Exceedance for one sample	<ol style="list-style-type: none"> <li>Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC and ER;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Notify Contractor.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with IEC and ER;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ET on the effectiveness of the proposed remedial measures;</li> <li>Supervise Implementation of remedial measures.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Submit proposals for remedial to ER within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)
<b>LIMIT LEVEL</b>				
1. Exceedance for one sample	<ol style="list-style-type: none"> <li>Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC and ER to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol> (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>





**Event and Action Plan for Marine Water Quality**

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



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



***Appendix 6.2***

*Summary for Notification of Exceedance*



Ref no.	Date	Tidal	Location	Parameters (Avg.)	Measured	Action Level	Limit Level	Follow-up
X_W227	30-May-11	Mid-flood	WSD20	DO (mg/L)	4.87	3.17	2.63	Possible reason: Localized variation or changes in ambient conditions Action taken / to be taken: According to the information reported by Contractor HK/2009/01, filling operation in HKCEC1 area were carried out. Comparing with the monitoring stations closer to the site, the SS levels at all stations near HKCEC channel were well within Action Level. Remarks / Other Obs: In view that WSD20 was located far away from the marine work site and no any exceedance recorded at the stations related to Contract HK/2009/01, the exceedance was considered not related to Project works.
				Turbidity	8.30	10.01	11.54	
				Suspended Solid	18.00	16.26	19.74	
X_W228	1-Jun-11	Mid-flood	WSD20	DO (mg/L)	4.84	3.17	2.63	Possible reason: Localized variation or changes in ambient conditions Action taken / to be taken: According to the information reported by Contractor HK/2009/01, filling operation in HKCEC1 area were carried out. Comparing with the monitoring stations closer to the site, the SS levels at all stations near HKCEC channel were well within Action Level. Remarks / Other Obs: In view that WSD20 was located far away from the marine work site and no any exceedance recorded at the stations related to Contract HK/2009/01, the exceedance was considered not related to Project works.
				Turbidity	14.95	10.01	11.54	
				Suspended Solid	24.00	16.26	19.74	

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C262	28-May-11	Mid-ebb	C3	DO (mg/L)	5.50	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the discharge pipe inside the silt screen  Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 8.78NTU. Investigation found that the turbidity levels outside the silt screen on 28 May 2011 was well below the Action Level while turbidity exceedances were recorded inside the silt screen. Diversion design of the discharge pipe is liaised between Contractor and Stakeholder to minimize the impact from the discharge pipe. The completion of diversion of discharge pipe is anticipated to be completed in early of June 2011.
				Turbidity	13.35	11.35	12.71	
				Suspended Solid	17.00	18.42	27.54	Remarks / Other Obs: The turbidity exceedances were confirmed related to accumulation of wastewater and debris from the discharge pipe inside the silt screen, therefore it was concluded non-project related exceedances.
X_10C263	30-May-11	Mid-ebb	C3	DO (mg/L)	5.82	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the discharge pipe inside the silt screen  Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Fine particles was observed inside the silt screen during water quality monitoring. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 11.48NTU which was slightly higher than the Action Level. According to the observation and recorded photos, the deployed silt curtains at HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. A bund between the eastern and western of the HKCEC water channel is formatting as an enhance mitigation measure to minimize the potential water quality impact from the tidal effect. It is anticipated to be completed in early of June 2011. No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity	19.35	11.35	12.71	
				Suspended Solid	31.00	18.42	27.54	Remarks / Other Obs: The completion of diversion of discharge pipe inside the C3 silt screen is anticipated to be completed in early of June 2011. The exceedances were considered in related to accumulation of wastewater and debris from the discharge pipe inside the silt screen and not project related exceedances.

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C264	30-May-11	Mid-ebb	C4e	DO (mg/L)	5.80	3.02	2.44	Possible reason: Natural variation or changes in ambient conditions  Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. According to the observation and recorded photos, the deployed silt curtains in HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection.  In a general reminder to the Contractor, they shall ensure that no silty material shall be flowed into the water body from the idling mud barges and conveyor belt located next to the intakes C4e and C4w. .
					9.42	11.35	12.71	
					22.00	18.42	27.54	Remarks / Other Obs: In view that no consecutive exceedance was recorded in the next monitoring at the same day and silt screen and silt curtain were in proper condition, the exceedance was considered not related to the filling works.
X_10C265	1-Jun-11 13:20	Mid-ebb	C3	DO (mg/L)	5.42	3.02	2.44	Possible reason: Accumulation of wastewater and debris from the screen washing by the intake owner and discharge pipe inside the silt screen  Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 9.87NTU which was well below the Action Level.  According to the observation during the monitoring and information reported by Contractor on 17 Jun 2011, the deployed silt curtains at HKCEC water channel were in proper condition. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. Geotextiles were in good condition during their inspection. Besides, Contractor recorded that the cleaning works of the screen by intake owner was in progress at around 11:00.  A bund between the eastern and western of the HKCEC water channel is forming as an enhance mitigation measure to minimize the potential water quality impact from the tidal effect. Major portion of bund was formed and anticipated to be completed in early of June 2011.  No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity (NTU)	13.38	11.35	12.71	
				SS (mg/L)	22.50	18.42	27.54	Remarks / Other Obs: The completion of diversion of discharge pipe inside the C3 silt screen was completed on 5 June 2011. The exceedances were considered in related to accumulation of wastewater and debris from the screen washing by intake owner and discharge pipe inside the silt screen. Thus, it was considered not project related exceedances.

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C266	7-Jun-11 22:01	Mid-flood	C3	DO (mg/L)	3.61	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. According to the observation during the monitoring, the deployed silt curtains along HKCEC water channel were in proper condition and no muddy water dispersion was observed. Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances.
				Turbidity (NTU)	10.90	11.35	12.71	
				SS (mg/L)	23.00	18.42	27.54	
X_10C267	7-Jun-11	Mid-ebb	C8	DO (mg/L)	4.87	3.02	2.44	Possible reason: Accumulation of particles discharged from outfalls near monitoring station Action taken / to be taken: Checked with the contractor marine work activities. No sediment dredging was conducted. Formwork construction for concreting of buoyancy pockets and removal the anchor point on the roof of the installed caisson seawall (C12 to C14) were conducted in the areas in front of Harbour Height to Harbour Grand Hong Kong. No works were undertaken after 18:00 on that day. Remarks / Other Obs: SS value was within the tolerance of baseline range at C8. No consecutive exceedance was recorded in the next monitoring. In view that the no marine works were undertaken after 18:00, the exceedances were considered not related to the Project works.
				Turbidity (NTU)	8.89	11.35	12.71	
				SS (mg/L)	23.50	18.42	27.54	

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C268	15-Jun-11 19:00	Mid-flood	C3	DO (mg/L)	5.06	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. Additional turbidity measurement was immediately taken outside the silt screen. The turbidity levels outside the silt screen was 6.16NTU which was well below the Action Level. According to the observation during the monitoring and information reported by Contractor on 17 and 23 Jun 2011, the deployed silt curtains along HKCEC water channel were in proper condition. The silt curtain diver inspection was provided by Contractor on that day afternoon. Geotextiles were checked in good condition during their inspection. Floating debris was immediately removed after inspection. Grade 100 rock materials was used to backfill around the doom and a frame type silt curtain were deployed so as to minimize the silt water being generated. No further exceedance was recorded in the consecutive water monitoring at the same day. The water quality at C3 will be kept in view to avoid any deterioration of water quality in water channel.
				Turbidity (NTU)	25.73	11.35	12.71	
				SS (mg/L)	47.50	18.42	27.54	Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances. Contractor was advised to consider increasing the removal of debris when necessary.
X_10C269	15-Jun-11	Mid-flood	C2	DO (mg/L)	5.57	3.02	2.44	Possible reason: Trapping unknown debris inside the silt screen Action taken / to be taken: Immediate repeated measurements had conducted to confirm the exceedances. Notification of exceedances were immediate informed to Contractor of HK/2009/01, RE and IEC when the exceedances were recorded. The daily inspection of silt screen and removal of floating debris were provided by Contractor on that day. The maintenance works of the silt curtain at West Bridge of HKCEC water channel was conducted on that day morning. Additional sinkers were installed to enhance the silt curtain effectiveness. According to the observation during the monitoring, the deployed silt curtains along HKCEC water channel were in proper condition and no muddy water dispersion was observed.
				Turbidity (NTU)	14.30	11.35	12.71	
				SS (mg/L)	19.00	18.42	27.54	Remarks / Other Obs: The exceedances were considered in relation to the accumulation of unknown debris inside the silt screen. Thus, it was considered not project related exceedances. Contractor was advised to consider increasing the removal of debris when necessary.
X_10C270	28-May-11	Mid-ebb	EX-WPCWA SE	DO (mg/L)	3.26	3.55	3.00	Possible reason: Floating grease and debris from the outfall Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contractor works, there was no marine works undertaken at ex-WPCWA on 28 May 2011. Remarks / Other Obs: In view that there was no marine works at ex-WPCWA, it was considered not related to Project works.





***Appendix 9.1***

*Complaint Log*



### Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
100321a	21/3/2010	ICC Case no. 1-224618029, Ms. Tsang	Location near Tin Hau	Complaint regarding the loud noise and dark smoke in the course of dredging works on 21 March 2010 (Sunday).	<ol style="list-style-type: none"><li>1) A valid Construction Noise Permit no. GW-RS0119-10 was granted from EPD since 18<sup>th</sup> Feb. 2010 for the dredging works which carry out at area for North Point Reclamation.</li><li>2) Officer from Marine Department, Police and EPD's officer attended the scene for inspection and investigation.</li><li>3) The Contractor (CHEC-CRBC JV) strictly comply all the conditions in CNP and take all mitigation measures in order to minimize the potential impacts to surrounding sensitive receivers. A formal letter was issued out by CHEC-CRBC JV and to explain the status of the recent construction activities.</li><li>4) No limit level exceedance was recorded on the noise measurement during day time and evening time noise measurement on 23 March 2010. Additional restrict hours noise monitoring at Causeway Bay Community and City Garden was conducted on 5 April 2010 (Public Holiday). No limit level exceedance was recorded in the monitoring.</li><li>5) No further complaints were received from Mr. Tsang in the reporting month. The complaint is considered closed.</li></ol>	Closed
100321b	21/3/2010	Unknown	Near the eastern breakwater of the Causeway Bay Typhoon Shelter	A public complaint and enquiry regarding loud noises emanated from dredging activities on 21/3/2010 (Sunday) until 2220 hours and between 1920-1946 hours in the evening of 22 March 2010(Monday).	<ol style="list-style-type: none"><li>1) A valid Construction Noise Permit no. GW-RS0119-10 was granted from EPD since 18<sup>th</sup> Feb. 2010 for the dredging works at area for North Point Reclamation during general holidays including Sunday between 0700-2300 hours and any day not being a general holiday between 1900-2300hours. It is complied with the condition of CNP.</li><li>2) Officer from Marine Department, Polic and EPD's officer attended the scene for inspection and investigation.</li><li>3) No limit level exceedance was recorded on the noise measurement during day time and evening time noise measurement on 23 March 2010. Additional restrict hours noise monitoring at Causeway Bay Community and City Garden was conducted on 5 April 2010 (Public Holiday). No limit level exceedance was recorded in the monitoring.</li><li>4) No further complaints were received in the reporting month. The complaint is considered closed.</li></ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
100504	4/5/2010	Public complainant received by ICC (ICC case: 1-233384048)	Watson Road	Complaint on the noise nuisance due to the large scale of dredging machine (face to Island East Corridor) in particular the hours 1900 to 0800 and request to reduce the noise level.	<ol style="list-style-type: none"><li>1) Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0119-10 for their dredging works. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.</li><li>2) According to RSS 's record, no more daytime and night time dredging since the departure of the split hopper barge from the workplace on 29 April 2010 at 1900 hrs to 5 May 2010.</li><li>3) No further complaints were received in the reporting month. The complaint is considered closed.</li></ol>	Closed
100731	31/7/2010	Mr. Lee received by ICC (CC Case: 1-250702681)	Oil Street to Watson Road	Complaint on the noise nuisance due to the dredging works. Three construction plants were operated concurrently.	<ol style="list-style-type: none"><li>1) Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0371-10 for their dredging works.</li><li>2) There was only 1 grab dredger operated by Contractor within NPR project site area for dredging works.</li><li>3) No noise exceedance was recorded at noise monitoring station at Victoria Centre on 27 July and 3 August 2010 during daytime and evening time period.</li><li>4) It is considered as invalid from the EP and CNP point of view.</li></ol>	Closed
100812	12/8/2010	Mr. Wong, Harbour Heights (Management) Ltd.	Harbour Heights	Management office received their resident complained on the noise nuisance from the dredging works at the marine works area adjacent to the Harbour Height during the period from 0700 to 2200.	<ol style="list-style-type: none"><li>1) Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0371-10 for their dredging works. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.</li><li>2) No noise exceedance was recorded at noise monitoring station at Victoria Centre on 10 and 17 August 2010 during daytime and evening time period.</li><li>3) It is considered as invalid complaint. No further complaints were received in the reporting month. The complaint is considered closed.</li></ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
101108	8/11/2010	Mr. Peter Nip received by ICC (CC Case)	Sai Wan Ho	Visual concern around the seaside silt screen outside the WSD freshwater intake pump at Sai Wan Ho (Monitoring station ref no.. WSD15)	<ol style="list-style-type: none"><li>1) Contractor for HY/2009/11 has been regular checked of condition and removal of trapped rubbish before the dismantling of the floating silt screen to be replaced by wall mount silt screen.</li><li>2) Follow-up action had been immediately carried out to check and clear the floating refuse around the seaside silt screen after receipt of the complaint.</li><li>3) Removal of seaside silt screen outside the WSD freshwater intake (WSD15) by contractor HY/2009/11 was checked and confirmed dated 9 November 2010. Silt screen has been deployed into the existing steel frame at WSD15 for the protection of WSD salt water intake.</li></ol>	Closed
101110	10/11/2010	Mr. Wong, Harbour Heights (Management) Ltd.	Harbour Heights	Management office received their resident complained on the noise nuisance from the power mechanical equipment during the 0700 to 2200hrs	<ol style="list-style-type: none"><li>1) Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0870-10 for their dredging works during evening time. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.</li><li>2) No noise exceedance was recorded at noise monitoring station at Victoria Centre on 4 and 10 November 2010 during daytime and evening time period.</li><li>3) It is considered as invalid complaint. No further complaints were received in the reporting month. The complaint is considered closed.</li></ol>	Closed
101203	3/12/2010, 01:45a.m.	The resident of Block 11, City Garden by ICC referral from Marine Department	North Point	Bad odour was generated from the dredging plant off North Point	<ol style="list-style-type: none"><li>1) The first investigation was carried out by Marine Department patrol in the morning on 3 Dec 2010 at around 10:00 and revealed that a few working barges were anchoring in the vicinity without carrying out dredging work.</li><li>2) A further specific investigation inspection on contractor's backhoe barge in the vicinity of City Garden was jointly conducted with Engineer Representatives (AECOM/RSS), and ET on 8 Dec 2010 at 11:30. No bad odour was noted during the investigation.</li><li>3) Routine dredging operation of the backhoe barge was performed during the jointed investigation inspection and it was revealed that no bad odour was attributed by the dredged materials inspected.</li></ol>	Closed
101206	6/12/2010	Ms Lui, the resident of 27/F,	City Garden, North Point	Two barges were generating noise at 22:00 on 6 December	<ol style="list-style-type: none"><li>1) ET confirmed the following information with resident site staff on the complaint:</li></ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		Block 10, City Garden by ICC (ICC case: 1-266039336)		<p>2010 in which the noise from filling operation was louder than the traffic noise &amp; visual impact was generated due to the spotlight pointing directly to the complainant flat, suspected the filling operation was part of Wanchai Development Phase II;</p> <p>Complainant also raised the same complaint to District Councillor, Mr. Hui on 7 Dec 2010 regarding the night-time noise and suspected earlier start of work at 06:30. Complaint also requested for limiting the plant operating hours from 09:00-21:00.</p>	<ul style="list-style-type: none"> <li>• It was referred to the filling operation at North Point Reclamation of Central Wan Chai Bypass site area instead of part of Wanchai Development Phase II;</li> <li>• Two derrick barges were in operation at the time of complaint for placing 400 rockfill onto the excavation trench and for levelling the formation level to receive the precast caisson seawall;</li> <li>• Flood light on the control mast of derrick barge have no lighting shields for the prevention of glare of flood lights;</li> <li>• No starting work on 7 Dec 2010 at 0630hours.</li> </ul> <ol style="list-style-type: none"> <li>2) PME used in restricted hours were checked and confirmed compliant with valid CNP no. GW-RS0870-10. The noise level recorded on 6 Dec 2010 was complied with the noise criteria during restricted hour;</li> <li>3) It was found that the occasional noise nuisance might be caused by the hitting or scratching onto the rock surface during loading down the grab onto the Grade 400 rockfill;</li> <li>4) The absence of the lighting shields at flood light results in visual glare to the complainant at night-time.</li> <li>5) Contractor was advised to minimize the finishing time of placing Grade 400 rockfill at 2100hrs and switch off all unnecessary flood lights apart from the light for the safety and security purpose;</li> <li>6) No further complaint was received after implementation of proposed measures</li> </ol>	
110415	15/04/2011	The resident, Mr Law at Victoria Centre by ICC (ICC#1-281451236)	North Point	A dust generation and a concern of mosquitoes breeding complaint. in which suspected the filling operation was part of North Point Reclamation.	<ol style="list-style-type: none"> <li>1) The concerned stockpile was a working stockpile under Contract HY/209/15 and was covered at night time after work.</li> <li>2) Water spraying on the haul road and potential dust generating material at least 4 times a day was conducted by contractor that complies with the requirement.</li> <li>3) It is considered invalid but preventive actions can be taken because the stockpile is relatively large and easily visible by complainant.</li> <li>4) It was recommended that increasing the frequency of water spraying shall be conducted to all potential dust generating materials and activities. Besides, Contractor should consider to cover the idle part of the stockpile</li> <li>5) The concern of mosquitoes breeding is out the scope of</li> </ol>	Closed

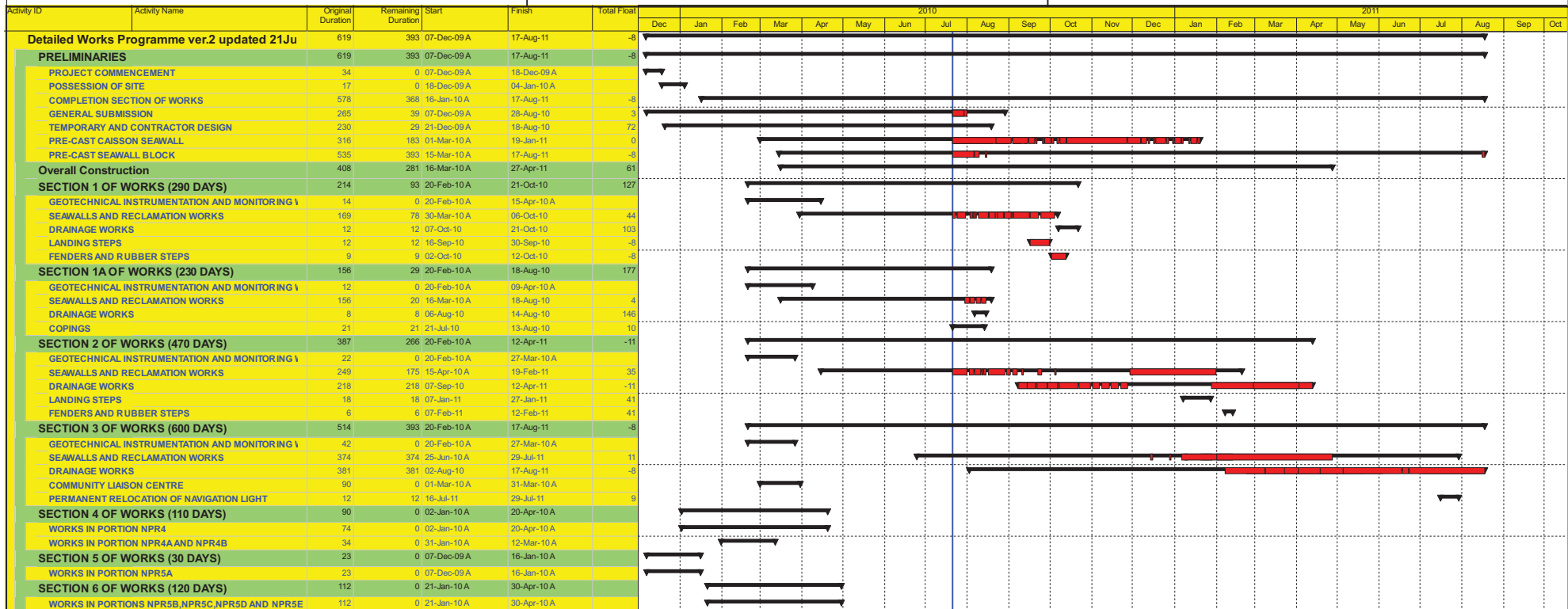


Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					EM&A, the follow-up action is not reported in this monthly EM&A report..	
110419	19/04/2011	Ms Chiu at Victoria Centre at Victoria Centre by ICC (ICC# 1-272874759)	North Point	The episode of night noise on 19/4/11 and 20/4/11 at 2:50 am and the noise lasted for 30 minutes per night.	<ol style="list-style-type: none"><li>1) According to the RSS's record, there was no construction works undertaken under the EP-356/2009 during the concern time period.</li><li>2) There was no abnormal real-time noise monitoring data recorded in RTN1 - FEHD Hong Kong Transport Section Whitefield Depot which is next to the Victoria Centre.</li><li>3) It is considered as invalid complaint under this Project.</li></ol>	Closed
110617	9/06/2011	Mr. Law from Victoria Centre Management Office	North Point	An odour nuisance suspected generating from the discharge point – Channel T at Watson Road in part of the site area was related to CWB under Contract no. HY/2009/11	<ol style="list-style-type: none"><li>1) The complaint was received by ET on 13 Jun 2011. During the weekly site inspection on 7 and 17 June 2011, there was no any odour impact detected in the site area.</li><li>2) According to the site record, there was muddy water discharged from the unknown source at upstream of Channel T during heavy rainstorm. No any site surface runoff to the Channel T and out of site boundary was observed in the inspection.</li><li>3) In order to prevent muddy water washing out to the water body under heavy rainstorm, a silt curtain was installed at the outfall of the channel by Contractor. ET confirmed with the Resident Site Staff that a silt curtain was installed at the outfall of the channel to prevent muddy water washing out to the water body under heavy rainstorm. Besides, regular cleaning of refuse in the channel has been conducted by Contractor.</li><li>4) A further site investigation on 28 June 2011 revealed that no odour nuisance was detected at the upstream of the Channel T and no source of odour nuisance was identified at site. As such, it was concluded that the source of odour nuisance was not related to the Project works.</li><li>5) Although no source of odour nuisance was identified at site, the muddy water and dirt from the unknown source at upstream of Channel T may cause a potential smell during low tide and low water flow. Contractor was reminded to remove the silt curtain at the channel on non-rainy day so as to avoid the accumulation of the sediment and dirt in the water channel.</li></ol>	Closed



***Appendix 10.1***

*Construction Programme of Individual Contracts*



Actual Work    
  Critical Remaining Work    
  Summary  
 Remaining Work    
 ◆ Milestone





**Dredging & Reclamation Works Programme Summary  
(based on Initial Works Programme Rev. 0)**

ID	Task Name	Duration	Start	2010 2011 2012 2013 2014 2015																							
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1	<b>HK/2009/02-Marine &amp; Reclamation Works</b>	<b>2008 d</b>	<b>Thu 28/1/10</b>																								
2	Contract Commencement	0 d	Thu 28/1/10																								
3	<b>General</b>	<b>1879 d</b>	<b>Mon 22/2/10</b>																								
4	Submission & obtain approval for marine GI	21 d	Mon 22/2/10																								
5	Stage 1 Marine GI for reclamation	30 d	Mon 15/3/10																								
6	Engineer's Design review for Dredging of WCR1, WCR2 & WCR4	30 d	Mon 22/3/10																								
7	Relocation of New Star Ferry Pier	0 d	Tue 18/3/14																								
8	Demolition of Existing Star Ferry Pier	100 d	Tue 18/3/14																								
9	Stage 2 Marine GI for Reclamation	14 d	Tue 18/3/14																								
10	Engineer's Design review for Dredging of WCR3	21 d	Tue 25/3/14																								
11	Complete Diversion of Hung Hing Road Traffic Back to Original	20 d	Fri 6/2/15																								
12	Excavate & remove top of d-wall for permanent seawall construction	50 d	Wed 25/2/15																								
13	<b>Submarine Outfall</b>	<b>500 d</b>	<b>Tue 21/9/10</b>																								
14	Dredging, Laying and Backfilling of Submarine Outfall Pipe at Sea	500 d	Tue 21/9/10																								
15	<b>Phase 1 - WCR1</b>	<b>158 d</b>	<b>Wed 21/4/10</b>																								
16	Mobilization of plants	1 d	Wed 21/4/10																								
17	Seabed dredging	63 d	Wed 21/4/10																								
18	Bedding Filling and Permanent seawall (precast cassion)	60 d	Tue 22/6/10																								
19	Bulk reclamation	37 d	Fri 20/8/10																								
20	<b>Phase 2 - WCR2</b>	<b>149 d</b>	<b>Thu 1/3/12</b>																								
21	Mobilization of plants	1 d	Thu 1/3/12																								
22	Temp seawall and Seabed dredging	77 d	Thu 1/3/12																								
23	Bulk reclamation	73 d	Wed 16/5/12																								
24	<b>Phase 3 - TWCR4 &amp; WCR4</b>	<b>98 d</b>	<b>Sat 28/4/12</b>																								
25	Mobilization of plants	1 d	Sat 28/4/12																								
26	Temp Seawall and Seabed dredging	75 d	Sat 28/4/12																								
27	Bulk & temp reclamation	24 d	Wed 11/7/12																								
28	<b>Phase 4 - WCR3</b>	<b>294 d</b>	<b>Tue 18/3/14</b>																								
29	Mobilization of plants	1 d	Tue 18/3/14																								
30	Seabed dredging for Permanent Seawall	112 d	Tue 18/3/14																								
31	Backfill and permanent seawall (precast cassion)	108 d	Tue 8/7/14																								
32	Bulk reclamation	74 d	Fri 24/10/14																								
33	<b>Phase 5 - Construct Permanent Seawall Blocks along curved coastline &amp; Remove TWCR4</b>	<b>105 d</b>	<b>Wed 15/4/15</b>																								
34	Mobilization of plants	1 d	Wed 15/4/15																								
35	Dredging and Filling for permanent seawall construction	50 d	Wed 15/4/15																								
36	Construction of Permanent Seawall Blocks for curved coastline	56 d	Wed 3/6/15																								
37	Remove temp seawall and reinstate the location of TWCR4	30 d	Mon 29/6/15																								

Project: Reclamation Works Programme  
Date: Tue 9/3/10

Task		Summary		Rolled Up Progress		Project Summary	
Progress		Rolled Up Task		Split		Group By Summary	
Milestone		Rolled Up Milestone		External Tasks		Deadline	

Activity ID	Cal ID	Activity Description	Orig Dur	Early Start	Early Finish	Year														
						2010	2011	2012	2013	2014	2015	2016	2017							
<b>TCBR1E (TS1 Area)</b>																				
105	1	TCBR1E(TS1)-dredging+rockfill(pre. for seawall)	86	03DEC10*	26FEB11															
110	1	TCBR1E (TS1)-temporary reclamation	69	28JAN11*	06APR11															
155	1	TCBR1E (TS1)- removal of temporary reclamation	27	30JAN12*	25FEB12															
<b>TCBR4</b>																				
100	1	Maintenance dredging for navigation safety for	7	20NOV10*	26NOV10															
<b>TCBR2 + TCBR3 (TS2 Area)</b>																				
115	1	TCBR2&TCBR3(TS2)- Maintenance dredging for	5	15NOV10*	19NOV10															
117	1	TCBR2&TCBR3(TS2)-dredge+rockfill seabed	64	16DEC11*	17FEB12															
120	1	TCBR2&TCBR3(TS2) --temporary reclamation	115	26FEB12*	19JUN12															
160	1	TCBR2&TCBR3(TS2-removal temporary reclamation	57	18AUG13*	13OCT13															
<b>TCBR1W (TS4 Area)</b>																				
125	1	TCBR1W(TS4)-dredging+rockfill(pre. for seawall)	40	19DEC10*	27JAN11															
130	1	TCBR1W(TS4) --temporary reclamation	68	28JAN11	05APR11															
165	1	TCBR1W(TS4)--removal temporary reclamation	26	27OCT13*	21NOV13															
<b>TPCWAE</b>																				
135	1	TPCWAE-dredging+rockfill(pre. for seawall)	55	03DEC10*	26JAN11															
140	1	TPCWAE --temporary reclamation	77	27JAN11	13APR11															
170	1	TPCWAE--removal temporary reclamation	28	28SEP13*	25OCT13															
<b>TPCWAW</b>																				
145	1	TPCWAW-dredging+rockfill(pre. for seawall)	47	28OCT13*	13DEC13															
150	1	TPCWAW --temporary reclamation	83	14DEC13	06MAR14															
175	1	TPCWAW--removal temporary reclamation	50	02JUL15*	20AUG15															

	Early Bar
	Progress Bar
	Critical Activity

EP02 CHINA STATE CONSTRUCTION ENGG LTD Sheet 1 of 1  
 CONTRACT NO. HY/2009/15: CENTRAL WAN CHAI BYPASS- TUNNEL (CBTS SECTION)

Prepared based on IWP Rev. 0  
 Date Prepared: 28 Oct 2010

Act ID	Description	Orig Dur	Early Start	Early Finish	2011												2012												2013					
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR			
<b>Section I</b>																																		
<b>Contract Obligation</b>																																		
1000	Commencement of Section I of works	0	20JAN11 *		◆ Commencement of Section I of works																													
<b>Initial Works</b>																																		
1050	Apply Marine notice to Marine Department	30	21JAN11	19FEB11	■ Apply Marine notice to Marine Department (dredg)																													
1060	Apply Marine notice to Marine Dept. Piling	30	18FEB11	19MAR11	■ Apply Marine notice to Marine Dept. Piling																													
1080	Apply FEP under EP356/2009	21	28FEB11	20MAR11	■ Apply FEP under EP356/2009																													
1081	Submission of Works Schedule for FEP	14	05MAR11	21MAR11	■ Submission of Works Schedule for FEP																													
1082	Submission of Location Plan for FEP	14	05MAR11	21MAR11	■ Submission of Location Plan for FEP																													
1083	Submission of Silt Curtain Deployment	14	05MAR11	21MAR11	■ Submission of Silt Curtain Deployment Plan																													
1084	Submission of Silt Screen Deployment Plan	14	05MAR11	21MAR11	■ Submission of Silt Screen Deployment Plan																													
1085	Submission Noise Management Plan	14	05MAR11	21MAR11	■ Submission Noise Management Plan																													
1090	Apply Dumping Permit	30	18FEB11	19MAR11	■ Apply Dumping Permit																													
1100	Apply CNP	30	31JAN11	01MAR11	■ Apply CNP																													
1110	Apply C&D waste disposal	30	20JAN11	18FEB11	■ Apply C&D waste disposal																													
1120	Apply Discharge licence	30	18FEB11	19MAR11	■ Apply Discharge licence																													
1130	Notification of chemical waste Producer	30	20JAN11	18FEB11	■ Notification of chemical waste Producer																													
1140	Notification to Labor Dept-Works Commencement	30	20JAN11	18FEB11	■ Notification to Labor Dept-Works Commencement																													
1150	Submit Risk Ass to MTR	21	28FEB11	20MAR11	■ Submit Risk Ass to MTR																													
1260	Erect Hoarding	30	28FEB11	29MAR11	■ Erect Hoarding																													
1270	Demarcation of Marine Site Boundary	21	01MAR11	21MAR11	■ Demarcation of Marine Site Boundary																													
1280	Working Site Office establishment	14	27JAN11	09FEB11	■ Working Site Office establishment																													
<b>Monitoring</b>																																		
1160	Takeover monitoring system from C1	0	21MAR11 *		◆ Takeover monitoring system from C1																													
1180	Commence Monitoring- ADMS,etc	0	21MAR11		◆ Commence Monitoring- ADMS,etc																													
<b>Dredging Works</b>																																		
1070	Submit Dredging MS	30	18FEB11	19MAR11	■ Submit Dredging MS																													
1075	Acceptance of Dredging MS	0		19MAR11	◆ Acceptance of Dredging MS																													
1078	Initial Hydrographic Survey	1	20MAR11	20MAR11	■ Initial Hydrographic Survey																													
1200	Initial Dredging Works for Piling	15	22MAR11	05APR11	■ Initial Dredging Works for Piling																													
1210	Final Hydrographic survey	3	07MAY12	09MAY12	■ Final Hydrographic survey																													
1220	Final Dredging Works	7	10MAY12	16MAY12	■ Final Dredging Works																													
1230	Confirmation Hydrographic survey	70	17MAY12	25JUL12	■ Confirmation Hydrographic survey																													
<b>Piling Works</b>																																		
1240	Submit stage platform MS	30	10FEB11	11MAR11	■ Submit stage platform MS																													
1250	Submit piling MS	30	10FEB11	11MAR11	■ Submit piling MS																													
P1000	Erect temporary Piling Platform	120	06APR11	03AUG11	■ Erect temporary Piling Platform																													
P1020	Pre-drilling	150	06JUN11	02NOV11	■ Pre-drilling																													
P1040	Bored Piles Construction and Testing	250	06JUL11	11MAR12	■ Bored Piles Construction and Testing																													
P1060	Drive Sheet piles along Bored piles	140	03NOV11	21MAR12	■ Drive Sheet piles along Bored piles																													
P1080	Dismantle Temporary Piling Platform	50	25FEB12	14APR12	■ Dismantle Temporary Piling Platform																													
P1100	Dive sheet piles beyond precast seawall	90	17JAN12	15APR12	■ Dive sheet piles beyond precast seawall																													
P1120	Trim pilehead to cut-off level	210	29SEP11	25APR12	■ Trim pilehead to cut-off level																													
P1140	Cut steel casing of bore piles	210	06OCT11	02MAY12	■ Cut steel casing of bore piles																													
P1160	Cut sheet piles to design level for box units	120	08JAN12	06MAY12	■ Cut sheet piles to design level for box units																													

Start date 20JAN11  
 Finish date 19DEC12  
 Data date 20JAN11  
 Run date 05MAR11  
 Page number 1A  
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Contract no. HK/2010/06  
 Wan Chai Development Phase II- Central-Wan Chai By pass over MTR Tsuen Wan Line

GAMMON-LEADER JV

Works Schedule of Marine Works for EP-356/2009

- Early bar
- Progress bar
- Critical bar
- Summary bar
- ◆ Start milestone point
- ◆ Finish milestone point