



**CONTRACT NO: HK/2011/07**

**WANCHAI DEVELOPMENT PHASE II AND CENTRAL  
WANCHAI BYPASS  
SAMPLING, FIELD MEASUREMENT AND TESTING WORK  
(STAGE 2)**

**ENVIRONMENTAL PERMIT NO. EP-364/2009/B,  
FURTHER ENVIRONMENTAL PERMIT NOS. FEP-01/364/2009,  
FEP-02/364/2009, FEP-03/364/2009, FEP-05/364/2009/A, FEP-  
06/364/2009/A, FEP-07/364/2009/A, FEP-08/364/2009/A AND  
FEP-09/364/2009/B**

**MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT**

**- MARCH 2013 -**

**CLIENTS:**

**Civil Engineering and Development  
Department**

**and**

**Highways Department**

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Environmental Team Leader

**DATE:**

11 April 2013

Ref.: AACWBIECEM00\_0\_3791L.13

11 April 2013

By Post and Fax (2691 2649)

AECOM Asia Company Limited  
11/F, Tower 2  
Grand Central Plaza  
138 Shatin Rural Committee Road  
Shatin, New Territories  
Hong Kong

Attention: Mr. Conrad Ng

Dear Sir,

**Re: Wan Chai Development Phase II and Central-Wan Chai Bypass  
Monthly Environmental Monitoring and Audit Report (March 2013) for  
EP-364/2009/B, FEP-01/364/2009, FEP-02/364/2009, FEP-03/364/2009,  
FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/A, FEP-08/364/2009/A  
and FEP-09/364/2009/B**

Reference is made to the Environmental Team's submission of the captioned Monthly Environmental Monitoring and Audit (EM&A) Report for March 2013 received by email on 11 April 2013.

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
	Lam	Mr. Raymond Dai	by fax: 2882 3331

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**EXECUTIVE SUMMARY**

- i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – March 2013 specific for Environmental Permit no. EP-364/2009/B, Further Environmental Permit nos. FEP-01/364/2009, FEP-02-364/2009, FEP-03-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/A, FEP-08/364/2009/A and FEP-09/364/2009/B. The EM&A report is prepared by the Environmental Team (ET) employed under Contract No. HK/2011/07 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 2). This report presents the environmental monitoring findings and information recorded during the period of February to March 2013. The cut-off date of reporting is at 27<sup>th</sup> of each reporting month.
- ii. In the reporting month, the principal work activities of individual contracts are included as follows:

Contract no. HY/2009/17 - Central - Wan Chai Bypass (CWB) at FEHD Whitfield Depot - Advanced piling works under FEP-03/364/2009

- No further work under designated project<sup>1</sup>

<sup>1</sup>Remarks: The construction of bored pile E3B under FEP-03/364/2009 was confirmed completed and the bored pile E3B and the works area was handover to contract no. HY/2009/19 on 30 November 2012.

Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009/A

- Excavation of trial pit
- Transplanting of trees
- Hoarding erection and modification
- Installation of couplers, UU detection, trial trench, pre-drilling
- Excavation
- Drainage works
- Tunnel works
- Trough structure construction and associated drilling and grouting
- Road works
- OHVD installation
- Pre-bored H-piling
- Bridges construction
- Scaffolding / false-work erection

Contract no. HK/2009/01 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Hong Kong Convention and Exhibition Centre - Tunnel Works under FEP-02/364/2009

- Pre-drilling works for CWB (Stage 2).
- Diaphragm wall construction works at Stage 2 (North).
- Mobilization of 1<sup>st</sup> Piling rig for pre-bored H piling works under atrium.

Contract no. HK/2009/02 - Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Casting of Base slab Bay 4, Bay8, Bay9 & Bay10
- Waterproofing installation at WCR1 of Tunnel Portion 1
- Rebar fixing for base slab Bay 11 to Bay 14
- 3 nos. bored piles PN12, PC12 & PS14 were concreted
- Excavation for other 4 nos. bored piles PS13, PC14, PS18 & PS19
- The outstanding sewerage works in Wan Shing Street by heading method
- Silt curtain installation for dredging works at TWCR4 was completed on 5 Mar 2013.
- Works associated with footpath modification and proposed sewerage works for Hung Hing Road Flyover Diversion Stage 1 implementation.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- ELS works at TS4
- Rock breaking works at TPCWAE
- Tunnel works at TS1
- Horizontal drilling for mined tunnel
- Construction of Diaphragm Wall at TS2

Contract no. HY/2009/19 - Central - Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

- Road works at Watson Road
- Bored piling (Land)
- D-wall Construction (North & South Section)
- Guide wall construction for D-wall / Barrette at North side
- Construction works for Box Culvert T1
- Construction of socket-H pile
- Construction works for Culvert U1
- Construction of Pile caps & columns (Land)
- Demolition of parapet at IEC Link
- Construction of Pile caps & columns (Marine)
- Construction of dewatering well for Cut & Cover Tunnel
- D8-D9 Gantry Fabrication for precast segment
- ELS for Cut & Cover Tunnel

Contract no. HK/2010/06 - Wan Chai Development Phase II - Central - Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

- Utility works in section 2

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Site preparation works
- Site survey



Noise Monitoring

- iii. Noise monitoring during daytime was conducted at M1a - Harbour Road Sports Center; M2b - Noon-day gun area; M3a - Tung Lo Wan Fire Station; M4b - Victoria Center; M5b - City Garden, M6 - HK Baptist Church Henrietta Secondary School, M7e and M7w – International Finance Centre Eastern and Western End of Podium, and M8 - City Hall on a weekly basis.
- iv. No action and 4 limit level exceedances at M6 – HK Baptist Church Henrietta Secondary School were recorded on 7, 12, 19 and 26 March 2013 in this reporting month. Exceedances on 7, 12 and 19 March 2013 were concluded as non-project related and exceedance on 26 March 2013 was concluded as Project related.
- v. 24-hour real time noise monitoring was conducted at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot for construction activities under IECL bridge deck. No limit level exceedance was recorded in the reporting month.
- vi. 24-hour real time noise monitoring was conducted at RTN2a – Hong Kong Electric Centre. No limit level exceedance was recorded in the reporting month.
- vii. 24-hour real time noise monitoring was conducted at RTN3 – Yu Lee Mo Fan Memorial School. No limit level exceedance was recorded in the reporting month.
- viii. 24-hour real time noise monitoring was conducted at RTN4 – Causeway Bay Community Centre. No project related exceedance was recorded in the reporting month.
- ix. As confirmed by CWB RSS, the IECL parapet removal operations will commence in March 2013. Liaison was conducted with HK Baptist Church Henrietta Secondary School and Po Leung Kuk Yu Lee Mo Fan Memorial School regarding the set up of RTN3 real time noise monitoring station. Po Leung Kuk Yu Lee Mo Fan Memorial School grant permission for set up on 4 Sep 2012 and station set up was performed on 14 Sep 2012.
- x. Real time noise monitoring station at Oil Street Community Liaison Centre (RTN2- Oil Street Community Centre) was relocated from Oil Street Community Liaison Centre to Hong Kong Electric (RTN2a- Electric Centre) on 5 Oct 2012 which is a representative of the noise sensitive receiver City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- xi. Real-time noise baseline capturing was conducted from 21 Sep 2012 to 04 Oct 2012 at RTN3-Po Leung Kuk Yu Lee Mo Fan Memorial School.
- xii. Real-time Noise Monitoring at RTN3- Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- xiii. Causeway Bay Community Centre has granted permission for set up of real time noise monitoring station on 21 Dec 2012 and station set up was performed on 27 Dec 2012. The Baseline noise level of RTN4- Causeway Bay Community Centre will adopt the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.
- xiv. According to clause 3.1 stated in EP-364/2009B, “the real-time monitoring system shall be in place no later than two weeks before the commencement date of demolition works of the existing Island Eastern Corridor”. IEC demolition associated construction works was commenced on 3 Feb 2013 and Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013.



#### Air Monitoring

- xv. Due to extension of site boundary by contractor of HY/2009/19, location of air monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.
- xvi. Due to lack of electricity supply, the 24-hr TSP monitoring at the following stations were rescheduled  
CMA2a: from 4 Mar 2013 to 5 Mar 2013
- xvii. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted at CMA1b - Oil Street Community Liaison Centre; CMA2a - Causeway Bay Community Center; CMA3a - CWB PRE Site Office Area; CMA4a – Society for the Prevention of Cruelty to Animals; CMA5a - Children Garden opposite to Pedestrian Plaza; MA1e and MA1w – International Finance Centre eastern and western wing on every six days basis. No action and limit level exceedance was recorded in the reporting period.

#### Complaints, Notifications of Summons and Successful Prosecutions

- xviii. There was no environmental complaint received in this reporting month.

#### Site Inspections and Audit

- xix. The Environmental Team (ET) conducted weekly site inspections for Contract no. HY/2009/15, HY/2009/18, HY/2009/19, HK/2009/01, HK/2009/02, HK/2012/08 and HK/2010/06 in this reporting period. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP was inspected under HY/2009/19 from 19 Dec 2012 onwards. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

#### Future Key Issues

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

#### Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

- No further work under designated project<sup>1</sup>

<sup>1</sup>Remarks: The construction of bored pile E3B under FEP-03/364/2009 was confirmed completed and the bored pile E3B and the works area was handover to contract no. HY/2009/19 on 30 November 2012.

#### Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- Excavation of trial pit
- Transplanting of trees
- Hoarding erection and modification
- Installation of couplers, UU detection, trial trench, pre-drilling
- Excavation
- Drainage works

- Tunnel works
- Trough structure construction and associated drilling and grouting
- Road works
- OHVD installation
- Pre-bored H-piling
- Bridges construction
- Scaffolding / false-work erection
- Profile barrier construction

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- Installation of pre-bored H-pile in CWB Stage 2 under the atrium link (from Ch120 to Ch220).
- CWB diaphragm wall construction under the atrium link.
- Mobilization of Trench cutter to Site.
- Bulkhead Wall at Ch120.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Complete blinding layer & water proofing membrane installation
- Construction of base slab between Bay 1 to Bay 2 & Bay 11 to Bay 16 and commence the subsequent wall construction from Bay 1 to Bay 5.
- Continue removal of the temporary sheetpile wall at WCR2
- Continue bored pile construction.
- Complete both outstanding sewerage works at WSS and all road reinstatement works at Hung Hing Road & WSS for implementation of HHR Flyover Diversion (Stage 1)

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- ELS works at TS4
- Rock trimming and concrete works at TPCWAE
- Tunnel works at TS1
- Horizontal drilling for mined tunnel
- Construction of Diaphragm Wall at TS2

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

- Road works at Watson Road
- Bored piling (Land)
- D-wall Construction (North & South Section)
- Guide wall construction for D-wall / Barrette at North side
- Construction works for Box Culvert T1
- Construction of socket-H pile



- Construction works for Culvert U1
- Construction of Pile caps & columns (Land)
- Demolition of parapet at IEC Link
- Construction of dewatering well for Cut & Cover Tunnel
- D8-D9 Gantry Fabrication for precast segment
- ELS for Cut & Cover Tunnel

Contract no. HK/2010/06 - Wan Chai Development Phase II - Central - Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

- Utility works in section 2

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Hoarding erection

## 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-364/2009/B and Further Environmental permit nos. FEP-01/364/2009, FEP-02/364/2009, FEP-03/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/A, FEP-08/364/2009/A and FEP-09/364/2009/B 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 (EP) no. EP-364/2009/B, Further Environmental Permit (FEP) nos. FEP-01-364/2009, FEP-02/364/2009, FEP-03/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/A, FEP-08/364/2009/A and FEP-09/364/2009B during the period Feb to Mar 2013. 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***

## 22 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 Designated 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. Design and Construction of Central – Wan Chai Bypass and Island Eastern Corridor Link under the Project involves the construction and operation of a trunk road and its road tunnel more than 800m in length between portals that is shown at Figure 2.1.

2.2.2. The study area encompasses existing developments from Central to North Point. The scope of the Central-Wanchai Bypass (CWB) and Island Eastern Corridor Link (IECL) includes:

- A dual three-lane trunk road, approximately 4.5 km in length, and tunnel approximately 3.7 km in length defined from the connection with the existing Rumsey Street Flyover in Central, through to a connection with the existing Island Eastern Corridor to the east of the Causeway Bay Typhoon Shelter (CBTS);
- The Central Interchange near the Rumsey Street Flyover to provide road connections to the Central area;
- Tunnel control buildings and ventilation buildings;
- Slip roads to connect the CWB to the local road system in the Wan Chai North and Causeway Bay area;
- Associated road lighting, road signing, traffic control and surveillance system; and
- Other associated works.

2.2.3. 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 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
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
04/HY/2006	Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street	DP1	September 2010 (Completed)
HK/2009/01	Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works	DP1, DP2	25 August 2011
HK/2009/02	Wan Chai Development Phase II –	DP1	26 April 2011



Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
	Central – Wan Chai Bypass at Wan Chai East(CWB Tunnel)		
HY/2009/15	Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)	DP1	13 July 2011
HY/2009/19	Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link	DP1	24 March 2011
HK/2010/06	Wan Chai Development Phase II- Central-Wan Chai Bypass over MTR Tsuen Wan Line	DP3	22 March 2011
HK/2012/08	Wan Chai Development Phase II- Central-Wan Chai Bypass at Wan Chai West	DP1,DP2, DP3	March 2014

**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's Representative for WDII	Principal Resident Engineer	Mr. Frankie Fan	2587 1778	2587 1877
	Engineer's Representative for CWB	Principal Resident Engineer	Mr. Peter Poon	3922 3388	3912 3010
Lam Woo & CO., LTD.	Contractor under Contract no. HY/2009/17	General Manager	Mr. Thomas Tang	6111 5351	2566 7522
		Contractor's Representative	Mr. Chung Man Shek	2566 4866	
		Site Agent	Mr. Tong Au	9725 5874	
		Environmental Officer	Dr. Priscilla Choy	9161 7287	
		Environmental Supervisor	Mr. Tam Chun Pong	6461 3062	
Chun Wo – Leader Joint Venture	Contractor under Contract no. HK/2009/01	Joint Venture Board Representative	Mr. PL Yue	2162 9909	2634 1626
		Site Agent	Mr. Paul Yu	9456 9819	

Party	Role	Post	Name	Contact No.	Contact Fax
		Construction Manager	Mr. Terry Wong	9757 9846	
		Deputy Site Agent	Mr. Andy Yu	9648 4896	
		Construction Manager	Mr. Wyman Wong	9627 2467	
		Construction Manager	Mr. Jack Chu	9775 2467	
		Environmental Officer (Compliance Manager)	Mr. Andy Mak	9103 2370	
		Environmental Supervisor	Mr. Kwong Weng Kit	6253 3356	
Chun Wo – CRGL Joint Venture	Contractor under Contract no. HK/2009/02	Site Agent	Mr. Chan Sing Cho	3658-3002	2827 9996
		Quality & Environmental Manager (Environmental Officer)	Mr. C.P. Ho	3658-3000	
Chun Wo - CRGL - MBEC Joint Venture	Contractor under Contract no. HY/2009/19	Project Manager	Mr. Rayland Lee	3758 8879	2570 8013
		Site Agent	Mr. Cheung Kit Cheung	6909 1555	
		Environmental Manager / Environmental Officer	Mr. M.H. Isa	9884 0810	
		Environmental Engineer	Mr. Calvin Leung	9286 9208	
		Construction Manager (Marine)	Mr. William Luk	9610 1101	
		Construction Manager (Land)	Mr. Patrick Cheung	9643 3012	
		Construction Manager (Land)	Mr. Eric Fong	6191 9337	
		Operation Manager (Land)	Mr. Yung Kwok Wah	9834 1010	
Leighton Contractors (Asia) Limited	Contractor under Contract no. HY/2009/18	Site Agent	Mr. Jimmy Chu	2214 7700	2140 6799
		Deputy Site Agent	Mr. Roger Wong	2214 7703	
		Environmental Officer	Mr. Anfernee Chow	2214 7721	
		Environmental Engineer Graduate	Mr. Phil Mak	2214 7738	

Party	Role	Post	Name	Contact No.	Contact Fax
		Environmental Supervisor	Mr. K. P. Lai	6461 4660	
		Environmental Supervisor	Mr. Ray Cheng	2214 7742	
		Environmental Supervisor	Mr. K. W. Lee	6461 4623	
		Environmental Supervisor	Mr. Ryan Tsui	2214 7705	
		Environmental Supervisor	Mr. Bosco Lee	2214 7711	
China State Construction Engineering (HK) Ltd.	Contractor under Contract no. HY/2009/15	Project Director	Mr. Chan Wai Hung	2823 7813	2865 5229
		Site Manager	Mr. P.J. Fan	3557 6368	2566 2192
		Contractor's Representative	Mr. David Lau	3557 6358	
		Head of construction	Mr. Roger Cheung	3557 6371	
		Environmental Officer	Mr. Daniel Sin	3557 6215	
		Environmental Supervisor	Ms. Esther Choi	35576348	
Gammon - Leader JV	Contractor under Contract no. HK/2010/06	Project Manager	Mr. Paul Lui	9095 7922	2529 2880
		Site Agent	Mr. Keith Tse	2529 2068	
		Environmental Officer	Mr. Lee Wai Man	9481 6024	
		Environmental Supervisor	Mr. Clement Pang	9735 9200	
China State-Leader JV	Contractor under Contract no. HK/2012/08	Project Director	Mr. Andrew TSE	9137 1811	2877 1522
		Project Manager	Mr. Victor WU	9193 8871	
		Deputy Project Manager	Mr. George CHEUNG	9268 1918	
		Site Agent	Mr. Paul LUI	9095 7922	
		Environmental Officer	Mr. James MA	9130 9549	
		Environmental Supervisor	Mr. Ching Man, CHAN	6050 4919	
ENVIRON Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3465 2888	3465 2899
Lam Geotechnics Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331

2.4.3. In this reporting month, the principal work activities of individual contracts are included as follows:

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

- No further work under designated project<sup>1</sup>

<sup>1</sup>Remarks: The construction of bored pile E3B under FEP-03/364/2009 was confirmed completed and the bored pile E3B and the works area was handover to contract no. HY/2009/19 on 30 November 2012.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- Excavation of trial pit
- Transplanting of trees
- Hoarding erection and modification
- Installation of couplers, UU detection, trial trench, pre-drilling
- Excavation
- Drainage works
- Tunnel works
- Trough structure construction and associated drilling and grouting
- Road works
- OHVD installation
- Pre-bored H-piling
- Bridges construction
- Scaffolding / false-work erection

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- Pre-drilling works for CWB (Stage 2).
- Diaphragm wall construction works at Stage 2 (North).
- Mobilization of 1<sup>st</sup> Piling rig for pre-bored H piling works under atrium.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Casting of Base slab Bay 4, Bay8, Bay9 & Bay10
- Waterproofing installation at WCR1 of Tunnel Portion 1
- Rebar fixing for base slab Bay 11 to Bay 14
- 3 nos. bored piles PN12, PC12 & PS14 were concreted
- Excavation for other 4 nos. bored piles PS13, PC14, PS18 & PS19
- The outstanding sewerage works in Wan Shing Street by heading method
- Silt curtain installation for dredging works at TWCR4 was completed on 5 Mar 2013.
- Works associated with footpath modification and proposed sewerage works for Hung Hing Road Flyover Diversion Stage 1 implementation.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- ELS works at TS4
- Rock breaking works at TPCWAE
- Tunnel works at TS1
- Horizontal drilling for mined tunnel
- Construction of Diaphragm Wall at TS2

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

- Road works at Watson Road
- Bored piling (Land)
- D-wall Construction (North & South Section)
- Guide wall construction for D-wall / Barrette at North side
- Construction works for Box Culvert T1
- Construction of socket-H pile
- Construction works for Culvert U1
- Construction of Pile caps & columns (Land)
- Demolition of parapet at IEC Link
- Construction of Pile caps & columns (Marine)
- Construction of dewatering well for Cut & Cover Tunnel
- D8-D9 Gantry Fabrication for precast segment
- ELS for Cut & Cover Tunnel

Contract no. HK/2010/06 - Wan Chai Development Phase II - Central - Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

- Utility works in section 2

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

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

- No further work under designated project<sup>1</sup>

<sup>1</sup>Remarks: The construction of bored pile E3B under FEP-03/364/2009 was confirmed completed and the bored pile E3B and the works area was handover to contract no. HY/2009/19 on 30 November 2012.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

- Excavation of trial pit
- Transplanting of trees
- Hoarding erection and modification
- Installation of couplers, UU detection, trial trench, pre-drilling
- Excavation

- Drainage works
- Tunnel works
- Trough structure construction and associated drilling and grouting
- Road works
- OHVD installation
- Pre-bored H-piling
- Bridges construction
- Scaffolding / false-work erection
- Profile barrier construction

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

- Installation of pre-bored H-pile in CWB Stage 2 under the atrium link (from Ch120 to Ch220).
- CWB diaphragm wall construction under the atrium link.
- Mobilization of Trench cutter to Site.
- Bulkhead Wall at Ch120.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

- Complete blinding layer & water proofing membrane installation
- Construction of base slab between Bay 1 to Bay 2 & Bay 11 to Bay 16 and commence the subsequent wall construction from Bay 1 to Bay 5.
- Continue removal of the temporary sheetpile wall at WCR2
- Continue bored pile construction.
- Complete both outstanding sewerage works at WSS and all road reinstatement works at Hung Hing Road & WSS for implementation of HHR Flyover Diversion (Stage 1)

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- ELS works at TS4
- Rock trimming and concrete works at TPCWAE
- Tunnel works at TS1
- Horizontal drilling for mined tunnel
- Construction of Diaphragm Wall at TS2

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

- Road works at Watson Road
- Bored piling (Land)
- D-wall Construction (North & South Section)
- Guide wall construction for D-wall / Barrette at North side
- Construction works for Box Culvert T1
- Construction of socket-H pile
- Construction works for Culvert U1

- Construction of Pile caps & columns (Land)
- Demolition of parapet at IEC Link
- Construction of dewatering well for Cut & Cover Tunnel
- D8-D9 Gantry Fabrication for precast segment
- ELS for Cut & Cover Tunnel

Contract no. HK/2010/06 - Wan Chai Development Phase II - Central - Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

- Utility works in section 2

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Site preparation works
- Site survey



**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	17 Aug 2009	Superseded
Environmental Permit	EP-364/2009/A	4 Aug 2010	Superseded
Environmental Permit	EP-364/2009/B	20 Sep 2012	Valid
Environmental Permit	EP-376/2009	13 Nov 2010	Valid
Further Environmental Permit	FEP-01/356/2009	18 Feb 2010	Surrendered
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	15 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 July 2010	Valid
Further Environmental Permit	FEP-04/364/2009/A	14 Oct 2010	Surrendered
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
Further Environmental Permit	FEP-08/364/2009/A	15 June 2012	Valid
Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	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/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

3.1.3. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-03/364/2009 for contract no. HY/2009/17 showed in **Table 3.2** and **Table 3.3**.

**Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/17**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-03/364/2009	12 Jul 2010	N/A	Valid
Notification of Works Under APCO	319348	13 Jul 2010	N/A	Valid
Discharge Licence	WT00007212-2010	5 Aug 2010	5 Aug 2010 – 31 Aug 2015	Valid
Registration as a Waste Producer	5213-151-L2608-05	13 July 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance	7010400	16 Mar 2010	N/A	Valid

Contract no. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street under FEP-04/364/2009/A

3.1.4. The construction works was completed, and the FEP was surrendered by the Contractor on 11 February 2011.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

3.1.5. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-02/364/2009 for contract no. HK/2009/01 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	06 Jan 2010	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS-1293-12	10 Dec 2012	10 Dec 2012 to 9 June 2013	Valid
	GW-RS0166-13	14 Feb 2013	16 Feb 2013 to 13 Aug 2013	Valid
	GW-RS0124-13	19 Mar 2013	25 Mar 2013 to 24 Sept 2013	Valid
	GW-RS0310-13	25 Mar 2013	27 Mar 2013 to 25 Sept 2013	Valid
	GW-RE0274-13	26 Mar 2013	30 Mar 2013 to 29 Sept 2013	Valid
	GW-RS0949-12	12 Sep 2012	16 Sep 2012 to 15 Mar 2013	Cancelled
	GW-RS-0052-13	18 Jan 2013	20 Jan 2013 to 19 July 2013	Valid
	GW-RS1011-12	26 Sep 2012	30 Sep 2012 to 29 Mar 2013	Cancelled
	GW-RS1017-12	27 Sep 2012	30 Sep 2012 to 24 Mar 2013	Expired
	GW-RS0793-12	21 Sep 2012	30 Sep 2012 to 29 Mar 2013	Expired
	GW-RS1040-12	8 Oct 2012	13 Oct 2012 to 12 Apr 2013	Valid
	GW-RS1177-12	15 Nov 2012	17 Nov 2012 to 10 May 2013	Valid
	GW-RS1184 -12	15 Nov 2012	17 Nov 2012 to 8 May 2013	Valid
	GW-RS1185-12	19 Nov 2012	21 Nov 2012 to 8 May 2013	Valid
	GW-RS1179-12	20 Nov 2012	22 Nov 2012 to 21 May 2013	Valid
GW-RS1187-12	20 Nov 2012	27 Nov 2012 to 26 May 2013	Valid	

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS1199-12	20 Nov 2012	26 Nov 2012 to 25 May 2013	Valid
Discharge Licence	WT00009641-2011	24 Jul 2011	31 Jul 2016	Valid
	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-C3585-01	21 Jan 2010	N/A	Valid

**Table 3.5 Summary of submission status under FEP-02/364/2009**

EP Condition	Submission	Date of Submission
Special Conditions, Clause 2.7 & 2.8	Works Schedule and Location Plan	18 May 2011
Special Conditions, Clause 2.6	Environmental Management Organization Chart	18 May 2011
Special Conditions, Clause 2.6	Commencement Date of Works	20 Jun 2011
Special Conditions, Clause 2.9	Noise Management Plan	10 Jun 2011

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

3.1.6. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-01/364/2009 for contract no. HK/2009/02 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 non-piling equipment	GW-RS1038-12	10 Oct 2012	10 Oct 2012 to 9 Apr 2013	Valid
	GW-RS1069-12	17 Oct 2012	19 Oct 2012 to 18 Apr 2013	Valid
	GW-RS1076-12	25 Oct 2012	1 Nov 2012 to 30 Apr 2013	Valid
	GW-RS1204-12	9 Nov 2012	29 Nov 2012 to 23 May 2013	Valid
	GW-RS1272-12	5 Dec 2012	5 Dec 2012 to 26 May 2013	Valid
	GW-RS1223-12	27 Nov 2012	7 Dec 2012 to 5 June 2013	Valid
	GW-RS1243-12	3 Dec 2012	5 Dec 2012 to 29 May 2013	Valid
	GW-RE1055-12	30 Nov 2012	3 Dec 2012 to 29 May 2013	Valid
	GW-RS1228-12	30 Nov 2012	30 Nov 2012 to 29 May 2013	Valid
	GW-RS1245-12	5 Dec 2012	6 Dec 2012 to 5 May 2013	Valid
	GW-RS1363-12	24 Dec 2012	9 Jan 2013 to 7 July 2013	Cancelled
	GW-RS1381-12	31 Dec 2012	9 Jan 2013 to 7 July 2013	Valid
	GW-RS1384-12	31 Dec 2012	17 Jan 2013 to 16 July 2013	Valid
	GW-RS0206-13	22 Feb 2013	24 Feb 2013 to 19 Aug 2013	Valid
	GW-RS0061-13	17 Jan 2013	1 Feb 2013 to 31 July 2013	Valid
	GW-RS0062-13	17 Jan 2013	21 Jan 2013 to 15 July 2013	Valid
	GW-RS0241-13	11 Mar 2013	13 Mar 2013 to 10 Sept 2013	Valid
	GW-RS0251-13	11 Mar 2013	26 Mar 2013 to 24 Sept 2013	Valid
	GW-RS0996-12	25 Sept 2012	26 Sept 2012 to 25 Mar 2013	Cancelled
GW-RS1084-12	25 Oct 2012	1 Nov 2012 to 30 Apr 2013	Valid	



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS1086-12	25 Oct 2012	28 Oct 2012 to 16 Apr 2013	Valid
	GW-RS1174-12	9 Nov 2012	11 Nov 2012 to 10 May 2013	Valid
	GW-RS1158-12	16 Nov 2012	18 Nov 2012 to 16 May 2013	Valid
	GW-RS1167-12	16 Nov 2012	23 Nov 2012 to 21 May 2013	Valid
	GW-RS0155-13	15 Feb 2013	16 Feb 2013 to 14 Aug 2013	Valid
	GW-RS0269-13	23 Mar 2013	23 Mar 2013 to 19 Sept 2013	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 Mar 2015	Cancelled
	WT00006757- 2010	28 May 2010	31 May 2015	Valid
	WT00007129- 2010	28 July 2010	31 Jul 2015	Valid
	WT00008982- 2011	26 April 2011	30 April 2016	Valid
	WT00009691- 2011	1 Aug 2011	31 July 2016	Valid
Billing Account under Waste Disposal Ordinance (Land)	7010255	10 Feb 2010	N/A	Valid
Registration as Chemical Waste Producer (Wan Chai)	WPN5213-135- C3593-01	10 Mar 2010	N/A	Valid
Registration as Chemical Waste Producer (TKO 137)	WPN5213-839- C3593-02	22 Sep 2010	N/A	Valid

**Table 3.7 Summary of submission status under FEP-01/364/2009**

EP Condition	Submission	Date of Submission
Condition 2.7 and 2.8	Works Schedule and Location Plan	14 Jun 2011
Condition 2.6	Environmental Management Organization Chart	14 Jun 2011
Condition 2.6	Commencement Date of Works	21 Jun 2011
Condition 2.11	Landscape Plan (Revision B)	20 Nov 2012
Condition 2.9	Noise Management Plan (Revision A)	13 Jan 2012

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

3.1.7. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-05/364/2009A for contract no. HY/2009/18 are shown in Table 3.8 and Table 3.9.

**Table 3.8 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/18**

Permit / Licence / Notification / Approval	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-05/364/2009/A	15 Nov 2010	Permit issued	Valid
Notification of Works Under APCO	322293	07 Oct 2010	Notified	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0833-12	09 Aug 2012	09 Aug 2012 – 02 May 2013	Valid
	GW-RS0925-12	31 Aug 2012	3 Sep 2012 – 02 Mar 2013	Cancelled
	GW-RS1208-12	23 Nov 2012	26 Nov 2012- 31 Mar 2013	Valid
	GW-RS1382-12	02 Jan 2013	04 Jan 2013 to 30 Jun 2013	Valid
	GW-RS0068-13	18 Jan 2013	05 Feb 2013 to 03 Aug 2013	Valid
	GW-RS0036-13	11 Jan 2013	23 Jan 2013 to 22 Jul 2013	Valid
	GW-RS1286-12	07 Dec 2012	11 Dec 2012- 05 Jun 2013	Valid
Discharge Licence	WT00012998-2012	25 May 2012	31 Jan 2016	Valid
	WT00012967-2012	17 Sep 2012	30 Sep 2017	Valid
	WT00014966-2013	08 Jan 2013	31 Jan 2018	Valid
Registration as a Waste Producer	WPN: 8335-121-L1048-04	17 Dec 2010	N/A	Registration completed



Permit / Licence / Notification / Approval	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Billing Account under Waste Disposal Ordinance (Land)	Account No.: 7011587	11 Oct 2010	Account approved	Valid

**Table 3.9 Summary of submission status under FEP-05/364/2009/A**

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan	01 March 2011
Condition 2.10	Landscape Plan (Rev. 5)	12 March 2012

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

3.1.8. Summary of the current status on licences and/or permits on environmental protection pertinent and submission under FEP-06/364/2009/A for contract no. HY/2009/15 are shown in **Table 3.10** and **Table 3.11**

**Table 3.10 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-RS1009-12	03 Oct 2012	03 Oct 2012 to 25 Mar 2013	Expired
	GW-RS1153-12	15 Nov 2012	15 Nov 2012 to 06 May 2013	Valid
	GW-RS1191-12	26 Nov 2012	26 Nov 2012 to 11 May 2013	Cancelled
	GW-RS0038-13	17 Jan 2013	26 Jan 2013 to 25 Jul 2013	Cancelled
	GW-RS0087-13	24 Jan 2013	26 Jan 2013 to 20 July 2013	Valid
	GW-RS0984-12	21 Sep 2012	23 Sep 2012 to 22 Mar 2013	Expired
	GW-RS1345-12	21 Dec 12	24 Dec 12 to 23 Jun 2013	Cancelled
	GW-RS1342-12	21 Dec 2012	26 Dec 2012 to 25 Jun 2013	Valid
GW-RS1391-12	8 Jan 2013	8 Jan 2013 to 24 Jun 2013	Cancelled	

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS1257-12	4 Dec 2012	8 Dec 2012 to 7 Jun 2013	Cancelled
	GW-RS0175-13	25 Feb 2013	27 Feb 2013 to 13 Aug 2013	Valid
	GW-RS0306-13	26 Mar 2013	27 Mar 2013 to 22 Sep 2013	Valid
	GW-RS0276-13	19 Mar 2013	19 Mar 2013 to 7 Sep 2013	Valid
	GW-RS0231-13	6 Mar 2013	6 Mar 2013 to 21 Aug 2013	Valid
	GW-RS0217-13	28 Feb 2013	28 Feb 2013 to 30 Jun 2013	Valid
Registration as a Chemical Waste Producer	WPN: 5213-147-C1169-35	15 Nov 2010	N/A	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	10 Oct 12	17 Jan 2013 to 16 Apr 2013	Valid
Water Discharge License (TS1)	WT00008780-2011	24 Nov 2011	24 Nov 2011 to 31 Mar 2016	Valid
Water Discharge License (Discharge at CHT area)	WT00012941-2012	10 May 2012	10 May 2012 to 31 May 2014	Valid
Water Discharge License (Discharge at TPCWAE)	WT00011322-2011	15 Dec 2011	15 Dec 2011 to 31 Dec 2013	Valid
Water Discharge License (Discharge at TS4)	WT00011718-2012	16 Jan 2012	16 Jan 2012 to 31 Jan 2014	Valid
Water Discharge License (Discharge at TS2)	WT00014974-2013	10 Jan 2013	10 Jan 2013 to 31 Jan 2015	Valid

**Table 3.11 Summary of submission status under FEP-06/364/2009/A**

EP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	11 Mar 2011
	Amendment for Management Organization of Main Construction Companies	16 May 2011
Condition 2.7	Works Schedule	15 Mar 2011
Condition 2.8	Location Plan	15 Mar 2011

EP Condition	Submission	Date of Submission
Condition 2.23	Noise Management Plan	6 May 2011

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

3.1.9. The current status on licences and/or permits on environmental protection pertinent and submission under FEP-07/364/2009/A for contract no. HY/2009/19 are shown in **Table 3.12** and **Table 3.13**

**Table 3.12 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/19**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-07/364/2009/A	25 Feb 2011	N/A	Valid
Notification of Works Under APCO	326160	24 Jan 2011	N/A	Valid
Registration as a Waste Producer	7012306	10 Feb 2011	N/A	Valid
Registration as Chemical Waste Producer	5213-151-C3654-01	24 Mar 2011	N/A	Valid
Application for Vessel Disposal	7012306	21 July 2011	N/A	Valid
Construction Noise Permit (CNP)	GW-RS1230-12	28 Nov 2012	28 Nov 12 to 25 May 13	Valid
	GW-RS0013-13	08 Jan 2013	07 Jul 2013	Valid
	GW-RS1065-12	16-Oct-12	20-Oct-12 to 20-Apr-13	Valid
	GW-RS0286-13	15-Mar-12	15-Mar-12 to 14-Sep-13	Valid
	GW-RS0046-13	18 Jan 2013	10 Jul 2013	Valid
	GW-RS0953-12	17-Sep-12	21-Sep-12 to 20-Mar-13	Cancelled
	GW-RS1210-12	29-Nov-12	29 Nov 12 to 28 May 13	Cancelled
	GW-RS0010-13	08-Jan-13	8 Jan 2012 to 7 Jul 2013	Valid
Water Discharge Licence	WT00010093-2011	31-Aug-11	30-Sep-16	Cancelled
	WT00010093-2011	17-Aug-12	30-Sep-16	Valid
	WT00010865-2011	3-Nov-11	30-Nov-16	Valid

**Table 3.13 Summary of submission status under FEP-07/364/2009/A**

EP Condition	Submission	Date of Submission
Condition 2.13	Landscape Plan	16 March 2012
Condition 2.9	Noise Management Plan (Rev.3)	15 March 2013

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

3.1.10. The current status on licences and/or permits on environmental protection pertinent and submission under FEP-08/364/2009/A for contract no. HK/2010/06 showed in **Table 3.14** and **Table 3.15**.

**Table 3.14 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-08/364/2009/A	15 June 2012	N/A	Valid
Notification of Works Under APCO	326344	18 Jan 2011	N/A	Valid
Construction Noise Permit (CNP)	GW-RS0923-12	31 Aug 2012	15 Oct 2012 – 14 Apr 2013	Cancelled
	GW-RS0056-13	14 Jan 2013	16 Jan 2013 – 12 Jul 2013	Valid

**Table 3.15 Summary of submission status under FEP-08/364/2009**

EP Condition	Submission	Date of Submission
	Acknowledgement letter of FEP-08/364/2009A	14 Aug 2012
Condition 2.9	Noise Management Plan	26 Nov 2012

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

3.1.11 The current status on licences and/or permits on environmental protection pertinent and submission under FEP-09/264/2009/B for contract no. HK/2012/08 showed in **Table 3.16**



**Table 3.16 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2012/08**

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	N/A	Valid
Notification of Works Under APCO	355439	4 Feb 2013	N/A	Valid
Registration as a Chemical Waste Producer	5213-134-C3790-01	8 Mar 2013	N/A	Valid
Billing Account under Waste Disposal Ordinance	7016883	18 Feb 2013	18 Jul 2017	Valid

## 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 Stations**

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
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
*M8	City Hall

\* Remark 1: Location ID has been updated from M7 to M8 for City Hall

\* Remark 2: M7e has become a reference station starting from 7 Aug 2012

#### REAL TIME NOISE MONITORING STATIONS

- 4.1.2. Review of feasibility on the real time noise monitoring stations was conducted in July with IEC. Station, RTN1a, Tung Lo Wan fireboat Station was found not appropriate to be a monitoring station for monitoring the IECL Piling works and Demolition after visited.
- 4.1.3. The 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 Stations**

District	Station	Description
Tin Hau	RTN1	FEHD Hong Kong Transport Section Whitfield Depot
North Point	RTN2a	Electric Centre
North Point	RTN3	Po Leung Kuk Yu Lee Mo Fan Memorial School
Tin Hau	RTN4	Causeway Bay Community Centre

#### NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

- 4.1.4. 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  $L_{10}$  and  $L_{90}$  shall also be obtained for reference.
- 4.1.5. 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.
- 4.1.6. Real time noise shall be carried out at the designated monitoring stations. The following is an initial guide on the regular monitoring frequency for each station on a 24 hours daily basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
  - One set of measurements between 1900 and 2300 hours on normal weekdays and 0700 and 2300 hours on public holidays.
  - One set of measurements between 2300 and 0700 hours on next day on everyday.
- 4.1.7. 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

- 4.1.8. 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.
- 4.1.9. 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.
- 4.1.10. The sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency before deployment to the site and during each site visit. Measurements will be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.



**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 Stations**

Station ID	Monitoring Location	Description
CMA1b	Oil Street Community Liaison Centre	North Point (Re-commenced on 14 November 2011)
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 Garden opposite to Pedestrian Plaza	Wan Chai
MA1e	International Finance Centre (Eastern End of Podium)	Central
MA1w	International Finance Centre (western End of Podium)	Central

Remarks: As per the ENPC meeting in March 2011, the monitoring stations CMA3a – Future CWB site office at Wanchai Waterfront Promenade was 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. 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.

4.2.9. 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.

4.2.10. All the collected samples shall be kept in a good condition for 6 months before disposal.

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

## 5.0 MONITORING RESULTS

5.0.1. The environmental monitoring will be implemented based on the division of works areas of each designated 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/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A
- Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009
- Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A
- Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009
- Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre
- Contract no. HK/2009/02 - Wan Chai Development Phase II – Central - Wan Chai Bypass at Wan Chai East
- Contract no. HK/2010/06 - Wan Chai Development Phase II – Central - Wan Chai Bypass over MTR Tsuen Wan Line
- Contract no. HK/2012/08 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai West

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

## 5.1 Noise Monitoring Results

5.1.1. Monitoring for report of review baseline noise level was performed from 11 April 2011 to 8 June 2011. Then the report was submitted on the 20 June 2011, verified by IEC on 18 July 2011 and was approved by ER by January 2012. The new baseline is used for the noise calculation starting from January 2012.

Contract no. HY/2009/17 –Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

5.1.2. The proposed division of noise monitoring stations for Contract no. HY/2009/17 are summarized in **Table 5.1** below:

**Table 5.1 Noise Monitoring Stations for Contract no. HY/2009/17**

Station	Description
M4b	Victoria Centre

5.1.3. No action or limit level exceedance was recorded during daytime period in the reporting month.

5.1.4. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

5.1.5. Noise monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 22 April 2011. The proposed division of noise monitoring stations for Contract no. HY/2009/18 are summarized in **Table 5.2** below:

**Table 5.2 Noise Monitoring Stations for Contract no. HY/2009/18**

Station	Description
*M7e	International Finance Centre (Eastern End of Podium)
M7w	International Finance Centre (Western End of Podium)
M8	City Hall

\* Remark: M7e has become a reference station starting from 7 Aug 2012

5.1.6. No action or limit level exceedance was recorded during daytime period in the reporting month.

5.1.7. Noise monitoring results measured in this reporting period are reviewed and summarized. 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 – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009 and Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

5.1.8. The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011 and HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of noise monitoring stations are summarized in **Table 5.3** below.

**Table 5.3 Noise Monitoring Station for Contract no HK/2009/01 and HK/2009/02**

Station	Description
M1a	Harbour Road Sports Centre

5.1.9. No action or limit level exceedance was recorded in this reporting month.

5.1.10. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

5.1.11. The commencement of construction works for Contract no. HY/2009/15 under FEP-06/364/2009/A was on 13 July 2011. Noise monitoring was commenced on 13 July 2011. The proposed divisions of noise monitoring stations are summarized in **Table 5.4** below.

**Table 5.4 Noise Monitoring Stations for Contract no. HY/2009/15**

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

5.1.12. No action or limit level exceedance was recorded in this reporting month.

5.1.13. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

5.1.14. Noise monitoring for the tunnel works under contract no. HY/2009/19 was commenced on 24 April 2011. The proposed division of noise monitoring stations are summarized in **Table 5.5** below.

**Table 5.5 Noise Monitoring Stations for Contract no. HY/2009/19**

Station	Description
M3a	Tung Lo Wan Fire Station
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

5.1.15. Four limit level exceedances were recorded on 7, 12, 19 and 26 March 2013 at M6 – HK Baptist Church Henrietta Secondary School in the reporting month.

- 5.1.16. Major traffic noise observed during monitoring on 7, 12 and 19 March 2013 and it was considered as the major noise contribution. As such, the limit level exceedances were concluded as non-project related.
- 5.1.17. Breaking works for pile head under HY/2009/19 were observed during monitoring on 26 March 2013. Despite nearby traffic was observed, it was considered that the breaking operation was the major noise contribution. As such, the limit level exceedance was concluded as project related. The temporary noise blanket at marine platform was confirmed in place and rectification measures including provision of additional noise screen for breakers and reduction in the number of breakers in parallel use were implemented by the contractor after exceedance was identified.
- 5.1.18. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in **Appendix 5.2**. Details of the Notification of Exceedance can be referred in **Appendix 6.2**.

## **5.2 Real Time Noise Monitoring Results**

- 5.2.1. As confirmed by CWB RSS, the IECL parapet removal operations and associated construction work will commence in January 2013. Liaison was conducted with HK Baptist Church Henrietta Secondary School, Po Leung Kuk Yu Lee Mo Fan Memorial School and Causeway Bay Community Centre regarding the set up of RTN3 real time noise monitoring station.
- 5.2.2. Causeway Bay Community Centre has granted permission for set up on 21 Dec 2012 and station set up was performed on 27 Dec 2012. The Baseline noise level of RTN4- Causeway Bay Community Centre will adopt the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.
- 5.2.3. Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013.
- 5.2.4. Po Leung Kuk Yu Lee Mo Fan Memorial School grant permission for set up on 4 Sep 2012 and station set up was performed on 14 Sep 2012. Real time noise baseline capturing was conducted during time period without construction work from 21 Sep 2012 to 04 Oct 2012.
- 5.2.5. Real time noise monitoring at RTN3 – Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- 5.2.6. Oil Street Community Liaison Centre was confirmed to be demolished in mid-October by CWB RSS. This presented a need for relocation of RTN2 – Oil Street Community Liaison Centre. After liaison with Hong Kong Electric, permission was granted on 21 Sep 2012 for real time noise monitoring set up at City Garden Electric Centre (RTN2a – Electric Centre), which is a representative of the noise sensitive receiver City Garden.
- 5.2.7. RTN2 previously located at oil Street Community Liaison Centre was relocated to Hong Kong Electric Centre on 5 Oct 2012, which is a representative of the noise sensitive receiver City

Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted at Electric Centre from 4 December 2009 to 17 December 2009.

Contract no. HY/2009/17 –Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009 and Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

5.2.8. The proposed division of noise monitoring stations are summarized in **Table 5.6** below. Real time noise monitoring for the piling works under contract no. HY/2009/17 was commenced on 5 October 2010

**Table 5.6 Real Time Noise Monitoring Stations for Contract no. HY/2009/17**

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot

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

5.2.9. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in this reporting month.

5.2.10. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to **Appendix 5.4**.

5.2.11. The proposed division of noise monitoring stations are summarized in **Table 5.7** below. Real time noise monitoring for major construction works under contract no. HY/2009/19 was commenced on 24 April 2011.

**Table 5.7 Real Time Noise Monitoring Stations for Contract no. HY/2009/19**

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot
RTN2a	North Point	Electric Centre
RTN3	North Point	Po Leung Kuk Yu Lee Mo Fan Memorial School
RTN4	Tin Hau	Causeway Bay Community Centre

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

*\*Real-time noise monitoring results and graphical presentation for RTN3 during restricted hours are for information only as no night classes were conducted at the educational institute.*

5.2.12. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in this reporting month.

5.2.13. No limit level exceedance was recorded at RTN2a-Electric Centre in this reporting month.

- 5.2.14. No limit Level exceedance was recorded at RTN3-Yu Lee Mo Fan Memorial School in this reporting month.
- 5.2.15. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre during restricted hours on 10 March 2013. After checking with contractor, road mark realignment was conducted during the recorded period. However, no PMEs were used for performing such works. The exceedances were non-continuous and considered to be contributed by nearby IEC traffic.
- 5.2.16. Real time noise monitoring results measured in this reporting period are reviewed and summarized. Details of real time noise monitoring results and graphical presentation can be referred to **Appendix 5.4.**

**5.3 Air Monitoring Results**

5.3.1 Due to extension of site boundary by contractor of HY/2009/19, location of air monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.

5.3.2 Due to lack of electricity supply, the 24hr-TSP monitoring at the following stations were rescheduled:

CMA2a: from 4 Mar 2013 to 5 Mar 2013

Contract no. HY/2009/17 –Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

5.3.3 The proposed division of air monitoring stations are summarized in **Table 5.8** below. Air monitoring for the piling works under contract no. HY/2009/17 was commenced on 8 October 2010.

**Table 5.8 Air Monitoring Station for Contract no. HY/2009/17**

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

5.3.4 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3.**

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

5.3.5 Air monitoring for the Central Interchange works under contract no. HY/2009/18 was commenced on 21 April 2011. The proposed division of air monitoring stations are summarized in **Table 5.9** below.



**Table 5.9 Air Monitoring Stations for Contract no. HY/2009/18**

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)

5.3.6 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. 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 – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

5.3.7 The commencement of construction works for Contract no. HK/2009/01 under FEP-02/364/2009 is on 25 August 2011. Air quality monitoring was commenced on 25 August 2011. The proposed division of air monitoring stations are summarized in **Table 5.10** below.

**Table 5.10 Air Monitoring Station for Contract no. HK/2009/01**

Station	Description
CMA5a	Children Playgrounds opposite to Pedestrian Plaza

5.3.8 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

5.3.9 The commencement of construction works for HK/2009/02 under FEP-01/364/2009 is on 26 April 2011. The proposed division of air monitoring stations are summarized in **Table 5.11** below.

**Table 5.11 Air Monitoring Station for Contract no. HK/2009/02**

Station	Description
CMA4a	Society for the Prevention of Cruelty to Animals

5.3.10 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

5.3.11 The commencement of construction works for Contract no. HY/2009/15 under FEP-06/364/2009/A was on 13 July 2011. Air quality monitoring was commenced on 14 July 2011. The proposed division of air monitoring stations are summarized in **Table 5.12** below.

**Table 5.12 Air Monitoring Station for Contract no. HY/2009/15**

Station	Description
CMA3a	CWB PRE Site Office

5.3.12 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

5.3.13 The proposed division of air monitoring stations are summarized in **Table 5.13** below. Air monitoring for the tunnel works under contract no. HY/2009/19 was commenced on 26 April 2011.

**Table 5.13 Air Monitoring Stations for Contract no. HY/2009/19**

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

5.3.14 No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in **Appendix 5.3**.

**5.4 Waste Monitoring Results**

Contract no. HY/2009/17 –Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

5.4.1. No Inert and non-inert C&D wastes were disposed in the reporting month. Details of the waste flow table are summarized in **Table 5.14**

**Table 5.14 Details of Waste Disposal for Contract no. HY/2009/17**

Waste Type	Quantity this month, m <sup>3</sup>	Cumulative Quantity-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	Nil	Nil	CWBP / TKO137
Inert C&D materials recycled	Nil	1354.82	SENT
Non-inert C&D materials disposed	NIL	NIL	N/A
Non-inert C&D materials recycled	NIL	NIL	N/A
Chemical waste disposed	N/A	N/A	N/A

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

5.4.2. No Inert C&D wastes were recycled and non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.15**.

**Table 5.15 Details of Waste Disposal for Contract no. HK/2009/01**

Waste Type	Quantity this month, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	16.4	22265.745	TKO137, TM38
Inert C&D materials recycled	Nil	5104.5	N/A
Non-inert C&D materials disposed	29.16	1222.16	SENT Landfill
Non-inert C&D materials recycled	Nil	205943	N/A
Chemical waste disposed	200	9300	N/A

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

5.4.3. Inert C&D & non-inert C&D wastes 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/2009/02**

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds	Remarks
Inert C&D materials disposed, m <sup>3</sup>	4835.06	234217.14	TKO137 / TM 38	N/A
Inert C&D materials recycled, m <sup>3</sup>	0	18161	n/a	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	46.885	855.74	SENT Landfill	N/A
Non-inert C&D materials recycled, m <sup>3</sup>	N/A	N/A	N/A	N/A
Chemical waste disposed, kg	0	6571	SENT Landfill	N/A

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

5.4.4. Inert C&D and non-inert C&D waste was 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. HY/2009/18**

Waste Type*	Quantity this month, (m3)	Cumulative-to-Date, (m3)	Disposal / Dumping Grounds
Inert C&D materials disposed	4328	88361	T.K.O. 137, TM 38
Inert C&D materials recycled	1950	55930	N/A
Non-inert C&D materials disposed	66	1000	SENT Landfill
Non-inert C&D materials recycled (tonnes)	Nil	77.84	N/A
Chemical waste disposed (kg)	Nil	3565	N/A

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

5.4.5. Inert & Non-inert C&D wastes were 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(m <sup>3</sup> )	Cumulative Quantity-to-Date(m <sup>3</sup> )	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	38556.7 11804.2	284433.7 163980	Tuen Mun Area 38 TKO137 FB
Inert C&D materials recycled, m <sup>3</sup>	1068	210096.4	HY/2009/11 ex-PCWA TS4 TS2 WDII Lun Ku Tan
Non-inert C&D materials disposed, m <sup>3</sup>	38.5	709.7	SENT Landfill
Non-inert C&D materials recycled, m <sup>3</sup>	55.4	542864.8	Xun Xiang Metalware Skylight Recycle (paper)
Chemical waste disposed, kg	Nil	12721	Dunwell Group

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

5.4.6. Inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.19**.

**Table 5.19 Details of Waste Disposal for Contract no. HY/2009/19**

Waste Type*	Quantity this month, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	14613.19	280321.66	N/A
Inert C&D materials recycled	0	3124.91	N/A
Non-inert C&D materials disposed	41.55	784.16	SENT Landfill
Non-inert C&D materials recycled	5.57	230.26	N/A
Chemical waste disposed	0.17	4.59	N/A

Contract no. HK/2010/06 Wan Chai Development Phase II - Central-Wan Chai Bypass over MTR Tsuen Wan Line under FEP-08/364/2009/A

5.4.7. No inert and Non-inert C&D wastes 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, m <sup>3</sup>	Cumulative-to-Date, m <sup>3</sup>	Disposal / Dumping Grounds
Inert C&D materials disposed	NIL	NIL	TM38
Inert C&D materials recycled	NIL	NIL	N/A
Non-inert C&D materials disposed	NIL	NIL	N/A
Non-inert C&D materials recycled	NIL	NIL	Recyclers
Chemical waste disposed	NIL	NIL	N/A

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B

5.4.8. No inert and Non-inert C&D wastes were disposed of in this reporting month. Details of the waste flow table are summarized in **Table 5.21**.

**Table 5.21 Details of Waste Disposal for Contract no. HK/2012/08**

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

## 6 Compliance Audit

6.0.1. The Event Action Plan for construction noise, air qualities are presented in **Appendix 6.1**.

### 6.1 Noise Monitoring

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

6.1.1. No exceedance was recorded in the reporting month.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

6.1.2. No exceedance was recorded in the reporting month.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention Exhibition Centre – Tunnel Works under FEP-02/364/2009

6.1.3. No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

6.1.4. No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

6.1.5. No exceedance was recorded in the reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

6.1.6. Four limit level exceedances were recorded on 7, 12, 19 and 26 March 2013 at M6 – HK Baptist Church Henrietta Secondary School in the reporting month. Investigations found that on 7, 12 and 19 March 2013, major traffic noise was contributed in the noise monitoring and exceedances were not related to the Project. On 26 March 2013, investigation found that breaking works operation was the major noise contribution despite nearby IEC traffic and the exceedance was considered as Project-related.

### Real Time Noise Monitoring

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

6.1.7. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in this reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

6.1.8. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot in this reporting month.

6.1.9. No limit level exceedance was recorded at RTN2a-Electric Centre in this reporting month.

6.1.10. No limit level exceedance was recorded at RTN3- Yu Lee Mo Fan Memorial School in this reporting month.

6.1.11. Non project related exceedances were recorded at RTN4- Causeway Bay Community Centre on 10 March 2013. Investigation found that exceedances were contributed by IEC traffic.

### 6.2 Air Monitoring

Contract no. HY/2009/17 – Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works under FEP-03/364/2009

6.2.1. No exceedance was recorded in the reporting month.

Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

6.2.2. No exceedance was recorded in the reporting month.

Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Hong Kong Convention and Exhibition Centre – Tunnel Works under FEP-02/364/2009

6.2.3. No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel) under FEP-01/364/2009

6.2.4. No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) FEP-06/364/2009/A

6.2.5. No exceedance was recorded in the reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/A

6.2.1. No exceedance was recorded in the reporting month.



### **6.3 Review of the Reasons for and the Implications of Non-compliance**

- 6.3.1. 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.
- 6.3.2. One project related exceedances from noise monitoring was recorded in the reporting month.

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

- 6.4.1 There was no particular action taken since no non-compliance was recorded from the site audits in the reporting period.
- 6.4.2 There was one limit level exceedances of noise monitoring recorded on 26 March 2013 at M6- HK Henrietta Secondary School that was considered in relation to pile head breaking works conducted during monitoring.
- 6.4.3 Following the Event and Action Plan, additional noise monitoring was conducted on 27 March 2013 and a proposal for remediation measures was submitted by the contractor after the exceedance was identified.
- 6.4.4 The temporary noise blanket at marine platform was confirmed in place and rectification measures including provision of additional noise screen for breakers and reduction in the number of breakers in parallel use were implemented by the contractor.

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

- 7.0.1. According to Condition 3.4 of the EP-364/2009/B, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) and Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel).
- 7.0.2. According to the Monthly EM&A report (February 2013) of Central Reclamation Phase III (CRIII), filling works, road works, landscape works, building construction works and drainage works were performed in the March 2013 reporting month. The water quality monitoring was completed in October 2011 and no Project-related exceedance was recorded for air and noise monitoring. It can be concluded that cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was insignificant.
- 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 activity under Wan Chai Development Phase II were marine works at HKCEC areas, cross-harbour Watermains, Fresh Watermains and Cooling Watermains Installations, tunnel works at Wan Chai East, ELS work at TS4 and deep excavation at TPCWAE TCBR1W. Excavation and tunnel works at Central Interchange, and marine pilling and box culvert construction at North Point area. The major environmental impact was water quality impact at Causeway Bay and Wan Chai. Land-based construction activities were diaphragm wall construction at TS2, ELS work at TS4, deep excavation at TPCWAE TCBR1W, tunnel works at Central and diaphragm wall construction at North Point and tunnel works at Wan Chai East in the reporting month.
- 7.0.4. The major environmental impacts generated from tunnel works at Central and tunnel works at Wan Chai East, IECL and Causeway Bay Typhoon Shelter were undertaken in the reporting month. No significant air impact was anticipated in the reporting month. Besides, no project-related exceedances were recorded during the air environmental monitoring events in the reporting month. There was one project related limit level exceedances during noise monitoring event in the reporting month and rectification measures have been implemented by contractor. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Wan Chai Development Phase II was insignificant.

**8 Environmental Site Audit**

8.0.1. During this reporting month, weekly environmental site audits were conducted for Contracts no. HY/2009/15, HY/2009/18, HY/2009/19, HK/2012/08, HK/2009/01, HK/2009/02 and HK/2010/06. No non-conformance was identified during the site audits. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP was inspected under HY/2009/19 from 19 Dec 2012 onwards. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

8.0.2. Four site inspections for Contract no. HY/2009/15 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.1**.

**Table 8.1 Summary of Environmental Inspections for Contract no. HY/2009/15**

Date	Item	Observations	Action taken by Contractor	Outcome
130305_01	5-Mar-13	Muddy dispersion was found at Eastern Breakwater. Silt curtain deployed around the boulder removal works area was found to be insufficient (TS1 Eastern Breakwater)	Additional silt curtain was provided at the concerned area.	Completion as observed on 12 March 2013
130305_02	5-Mar-13	Tarpaulin sheet between barges should be properly maintained to prevent dropping of mud during transfer and silt curtain should be provided around the barges.(TS2)	No transfer of mud was observed and tarpaulin sheet was placed at the concerned area.	Completion as observed on 12 March 2013
130305_03	5-Mar-13	Drip tray should be provided for oil drums. (TS4)	Drip tray was provided	Completion as observed on 12 March 2013
130305_04	5-Mar-13	oil leaked from the damaged oil drum should be cleared and removed. (TS4)	Oil stain found was removed	Completion as observed on 12 March 2013
130312_01	12-Mar-13	Water spraying should be provided during excavation and excavated material handling. (Eastern Breakwater)	Water spraying was provided	Completion as observed on 19 March 2013
130312_02	12-Mar-13	Drip trays should be provided to oil drums (TS1 near Hing Fat Street, TS4)	Drip trays were provided.	Completion as observed on 19 March 2013
130319_01	19-Mar-13	Remove the mud resting at the edge of the seawall (TS2)	Mud observed were cleared	Completion as observed on 26 March 2013.
130319_02	19-Mar-13	Collect floating refuse accumulated at the Eastern Breakwater (TS1 Eastern Breakwater)	Floating refuses were cleared	Completion as observed on 26 March 2013.
130319_03	19-Mar-13	Contractor should ensure the wheel washing effluent is	Wheel washing point and effluent	Completion as observed on 26

Date	Item	Observations	Action taken by Contractor	Outcome
		properly connected and collect to wastewater treatment plan.(TS2)	collection system was provided	March 2013.
130326_01	26-Mar-13	Floating refuse should be collected more regularly (Ex-PCWA, TS1 Landing step)	Floating refuses were cleared	Completion as observed on 2 Apr 2013

8.0.3. Four site inspections for Contract no. HY/2009/18 was carried out during this reporting period. No observation is found in the reporting month.

8.0.4. Four site inspections for Contract no. HY/2009/19 was carried out during this reporting period. No observation is found in the reporting month.

8.0.5. Four site inspections for Contract no. HK/2009/01 was carried out during this reporting period. 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
130306_01	6-Mar-13	Oil leakage should be prevented and oil stain should be cleaned and removed as chemical waste (A2-2)	Equipment which have leakage have been removed, oil stain have been cleaned and removed	Completion as observed on 13 Mar 2013.
130313_01	13-Mar-13	Fences should be provided to tree in works area and construction material should be avoided resting on tree roots. ( Box culvert M)	Construction material was removed	Completion as observed on 21 Mar 2013.
130321_01	21-Mar-13	Floating refuses should be cleaned and removed more frequently (West Ferry Pier)	The refuses were cleared	Completion as observed on 27 Mar 2013.
130327_01	27-Mar-13	Silt curtain should be properly deployed (West Ferry Pier)	Silt curtain was properly deployed	Completion as observed on 3 April 2013.

8.0.6. Four site inspections for Contract no. HK/2009/02 was carried out 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
130328_01	28-Mar-13	Silt curtain should be properly deployed	Silt curtain was properly deployed	Completion as observed on 5 Apr 2013

8.0.7. No site inspections for Contract no. HY/2009/17 were carried out during this reporting period<sup>1</sup>. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP was inspected under HY/2009/19 from 19 Dec 2012 onwards.

8.0.8. Four site inspections for Contract no. HK/2010/06 was carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.4**

**Table 8.4 Summary of Environmental Inspections for Contract no. HK/2010/06**

Item	Date	Observations	Action taken by Contractor	Outcome
130304_01	4-Mar-13	Oil stain should be removed and cleaned as chemical waste (Flat top barge - Leader55)	Oil stain was removed as chemical waste.	Completion as observed on 11-Mar-13
130311_01	11-Mar-13	Drip tray should be provided for oil container (Section 2)	Oil container have been removed	Completion as observed on 21-Mar-13

8.0.9. Four site inspections for Contract no. HK/2012/08 was carried out during this reporting period. No observation is found in the reporting month.

**9 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION**

9.0.1. No environmental complaint was received in the reporting period.

9.0.2. The details of cumulative complaint log and updated summary of complaints are presented in **Appendix 9.1**

9.0.3. 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
Mar 2013	0
Sep 2010 – Feb 2013	20
<b>Total</b>	<b>20</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**. The construction programmes of individual contracts are provided in **Appendix 10.1**.

**Table 10.1 Summary of Key Construction Activities of Individual Contract(s) to be commenced in Coming Reporting Month**

Contract No.	Key Construction Works	Recommended Mitigation Measures
HY/2009/15	<ul style="list-style-type: none"> <li>• ELS works at TS4</li> <li>• Rock trimming and concrete works at TPCWAE</li> <li>• Tunnel works at TS1</li> <li>• Horizontal drilling for mined tunnel</li> <li>• Construction of Diaphragm Wall at TS2</li> </ul>	<ul style="list-style-type: none"> <li>• Watering any dust generating activities</li> <li>• Checking all drip trays frequently and clear any stagnant water and mud inside it.</li> <li>• Noise control measures shall be provided during restricted hours</li> </ul>
HY/2009/17	<ul style="list-style-type: none"> <li>• No further works under designated project</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>

<p>HY/2009/18</p>	<ul style="list-style-type: none"> <li>• Excavation of trial pit</li> <li>• Transplanting of trees</li> <li>• Hoarding erection and modification</li> <li>• Installation of couplers, UU detection, trial trench, pre-drilling</li> <li>• Excavation</li> <li>• Drainage works</li> <li>• Tunnel works</li> <li>• Trough structure construction and associated drilling and grouting</li> <li>• Road works</li> <li>• OHVD installation</li> <li>• Pre-bored H-piling</li> <li>• Bridges construction</li> <li>• Scaffolding / false-work erection</li> <li>• Profile barrier construction</li> </ul>	<ul style="list-style-type: none"> <li>• Noise barrier shall be implemented; and</li> <li>• Noise level shall be controlled by reducing piling rate and no. of plants working in parallel.</li> <li>• Dust control during dust generating activities</li> <li>• Provide protection works to ensure no runoff out of site area or direct discharge into public drainage system.</li> <li>• Appropriate plants and measures should be taken to ensure adequate protections are provided for trees being transplanted.</li> </ul>
<p>HY2009/19</p>	<ul style="list-style-type: none"> <li>• Road works at Watson Road</li> <li>• Bored piling (Land)</li> <li>• D-wall Construction (North &amp; South Section)</li> <li>• Guide wall construction for D-wall / Barrette at North side</li> <li>• Construction works for Box Culvert T1</li> <li>• Construction of socket-H pile</li> <li>• Construction works for Culvert U1</li> <li>• Construction of Pile caps &amp; columns (Land)</li> <li>• Demolition of parapet at IEC Link</li> <li>• Construction of dewatering well for Cut &amp; Cover Tunnel</li> <li>• D8-D9 Gantry Fabrication for precast segment</li> <li>• ELS for Cut &amp; Cover Tunnel</li> </ul>	<ul style="list-style-type: none"> <li>• Noise level shall be controlled by reducing the breaking operation rate.</li> <li>• Noise barrier shall be implemented.</li> <li>• Dust control during dust generating works</li> <li>• Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea.</li> </ul>



<p>HK2009/01</p>	<ul style="list-style-type: none"> <li>• Installation of pre-bored H-pile in CWB Stage 2 under the atrium link (from Ch120 to Ch220).</li> <li>• CWB diaphragm wall construction under the atrium link.</li> <li>• Mobilization of Trench cutter to Site.</li> <li>• Bulkhead Wall at Ch120.</li> </ul>	<ul style="list-style-type: none"> <li>• Noise level shall be controlled by reducing no. of plants working in parallel.</li> <li>• Well maintained enclosures for grouting mixing plants.</li> <li>• Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea.</li> <li>• Dust control during dust generating works</li> </ul>
<p>HK/2009/02</p>	<ul style="list-style-type: none"> <li>• Complete blinding layer &amp; water proofing membrane installation</li> <li>• Construction of base slabs between Bay 1 to Bay 2 &amp; Bay 11 to Bay 16 and commence the subsequent wall construction from Bay 1 to Bay 5.</li> <li>• Continue removal of the temporary sheetpile wall at WCR2</li> <li>• Continue bored pile construction.</li> <li>• Complete both outstanding sewerage works at WSS and all road reinstatement works at Hung Hing Road &amp; WSS for implementation of HHR Flyover Diversion (Stage 1)</li> </ul>	<ul style="list-style-type: none"> <li>• Dust control during dust generating works</li> <li>• Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system.</li> </ul>
<p>HK/2010/06</p>	<ul style="list-style-type: none"> <li>• Utility works in section 2</li> </ul>	<ul style="list-style-type: none"> <li>• Dust control during dust generating works.</li> </ul>
<p>HK/2012/08</p>	<ul style="list-style-type: none"> <li>• Hoarding erection</li> </ul>	<ul style="list-style-type: none"> <li>• Dust control during dust generating works</li> <li>• Provide protection works and ade</li> </ul>

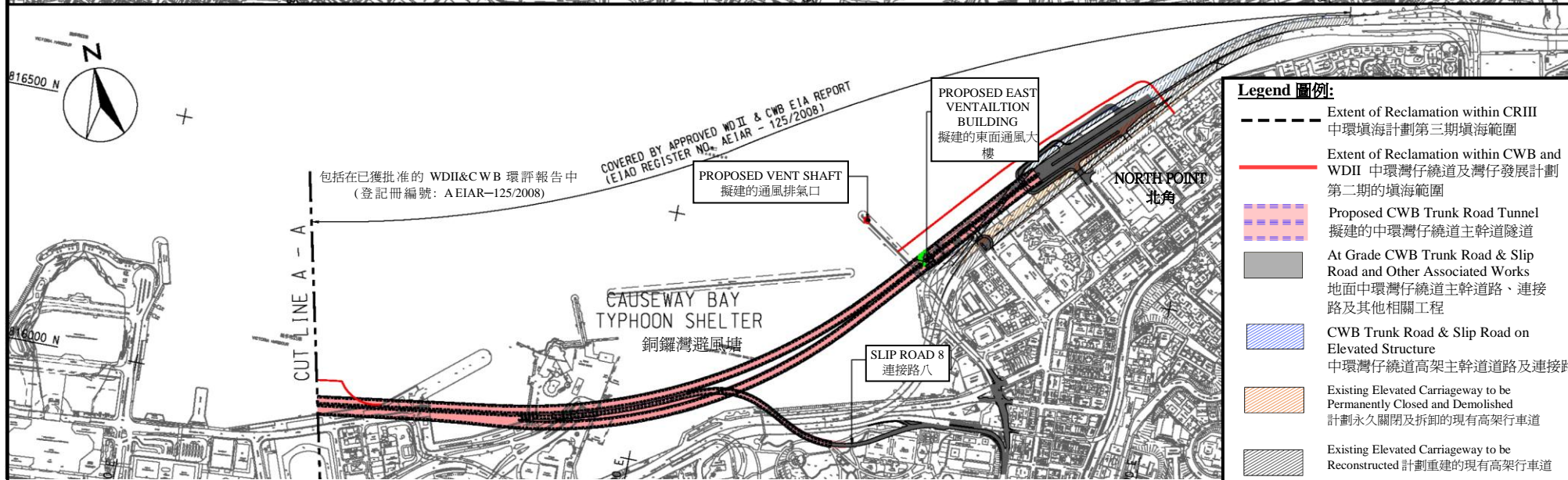
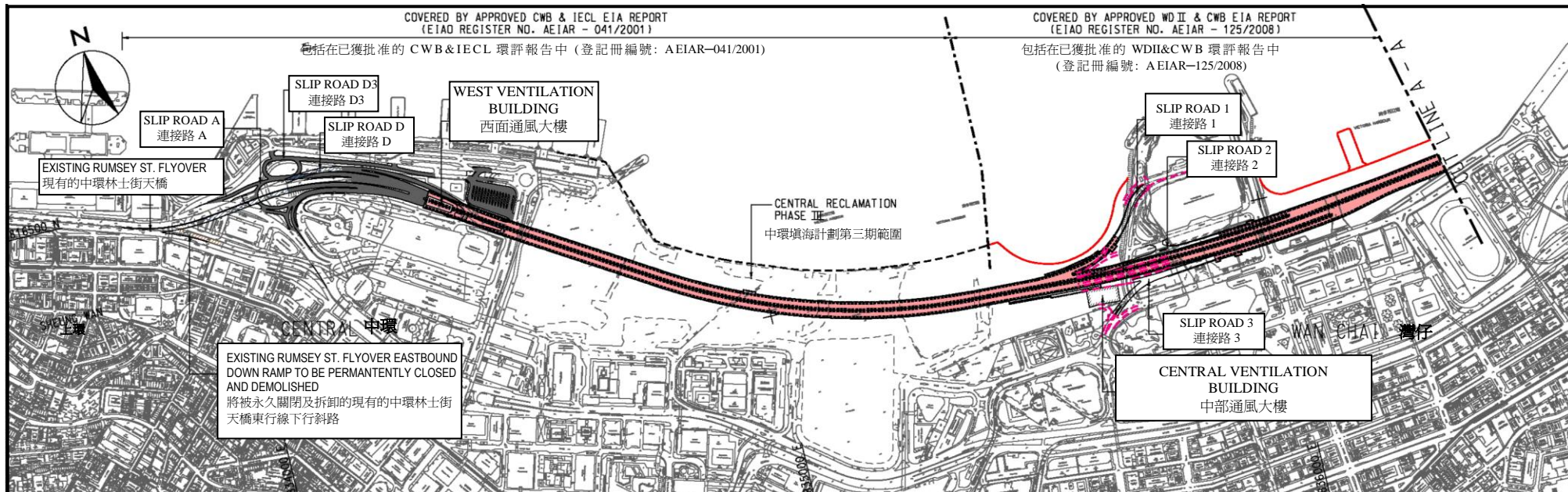


10.0.3. The construction works of Contract no. 04/HY/2006 – Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street under FEP-04/364/2009/A was completed, and the FEP was surrendered by the Contractor on 11 February 2011.



***Figure 2.1***

***Project Layout***



- Legend 圖例:**
- Extent of Reclamation within CR III 中環填海計劃第三期填海範圍
  - Extent of Reclamation within CWB and WDII 中環灣仔繞道及灣仔發展計劃第二期的填海範圍
  - Proposed CWB Trunk Road Tunnel 擬建的中環灣仔繞道主幹道隧道
  - At Grade CWB Trunk Road & Slip Road and Other Associated Works 地面中環灣仔繞道主幹道路、連接路及其他相關工程
  - CWB Trunk Road & Slip Road on Elevated Structure 中環灣仔繞道高架主幹道路及連接路
  - Existing Elevated Carriageway to be Permanently Closed and Demolished 計劃永久關閉及拆卸的現有高架行車道
  - Existing Elevated Carriageway to be Reconstructed 計劃重建的現有高架行車道



Project Title: Central-Wanchai Bypass (CWB) Including Its Road Tunnel and Slip Roads  
 工程項目名稱: 中環灣仔繞道包括其行車隧道及連接路

Environmental Permit No.: EP-364/2009/B  
 環境許可證編號: EP-364/2009/B

Figure 1: Location of the Project  
 圖 1: 工程項目位置

(This figure was prepared based on Figure 1.1 of the Application for Environmental Permit (Application No.: AEP-364/2009))  
 (本圖是根據環境許可證的申請(申請書編號 AEP-364/2009 圖 1.1 編製)







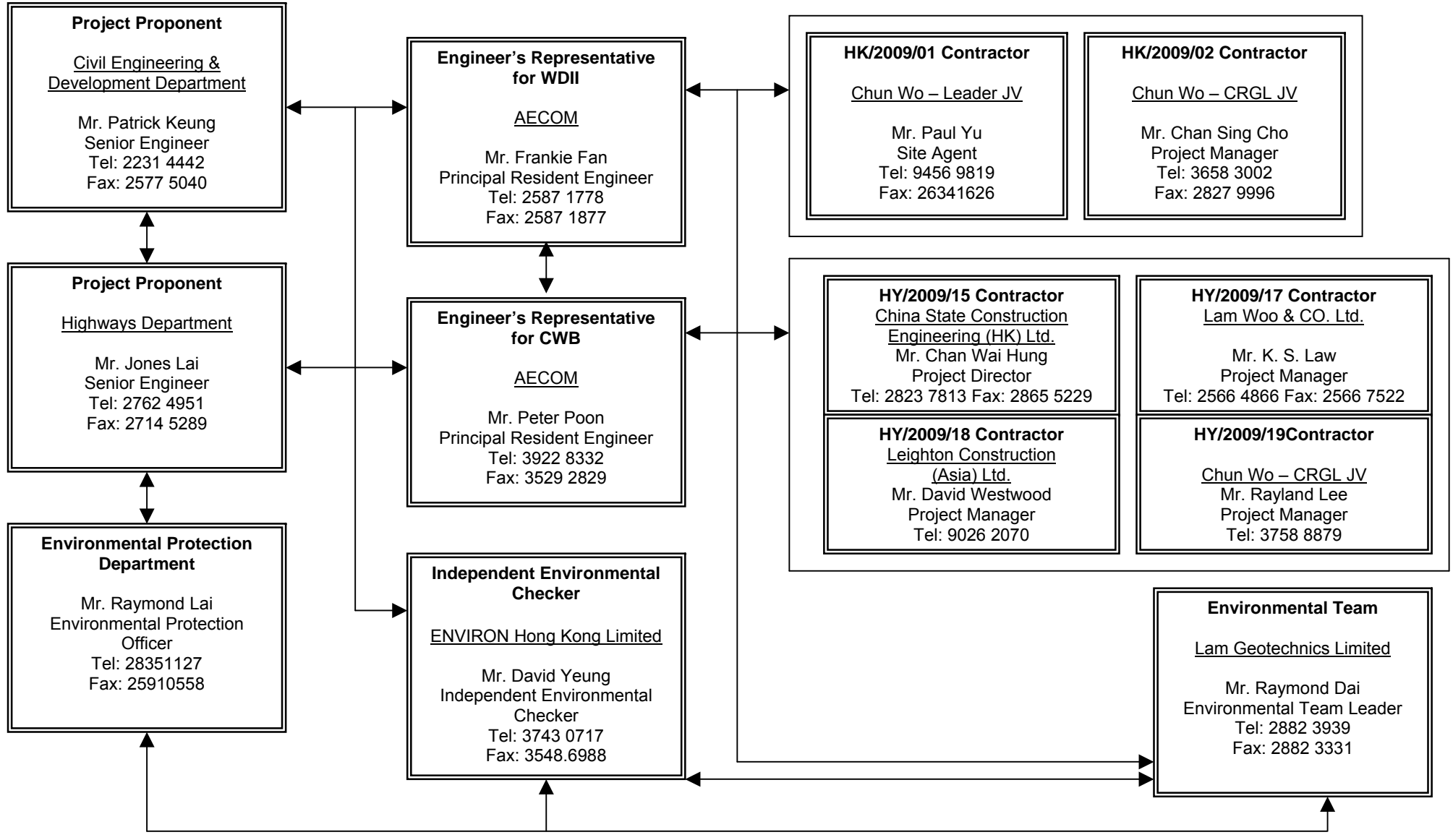


***Figure 2.2***

***Project Organization Chart***



**Project Organization Chart**

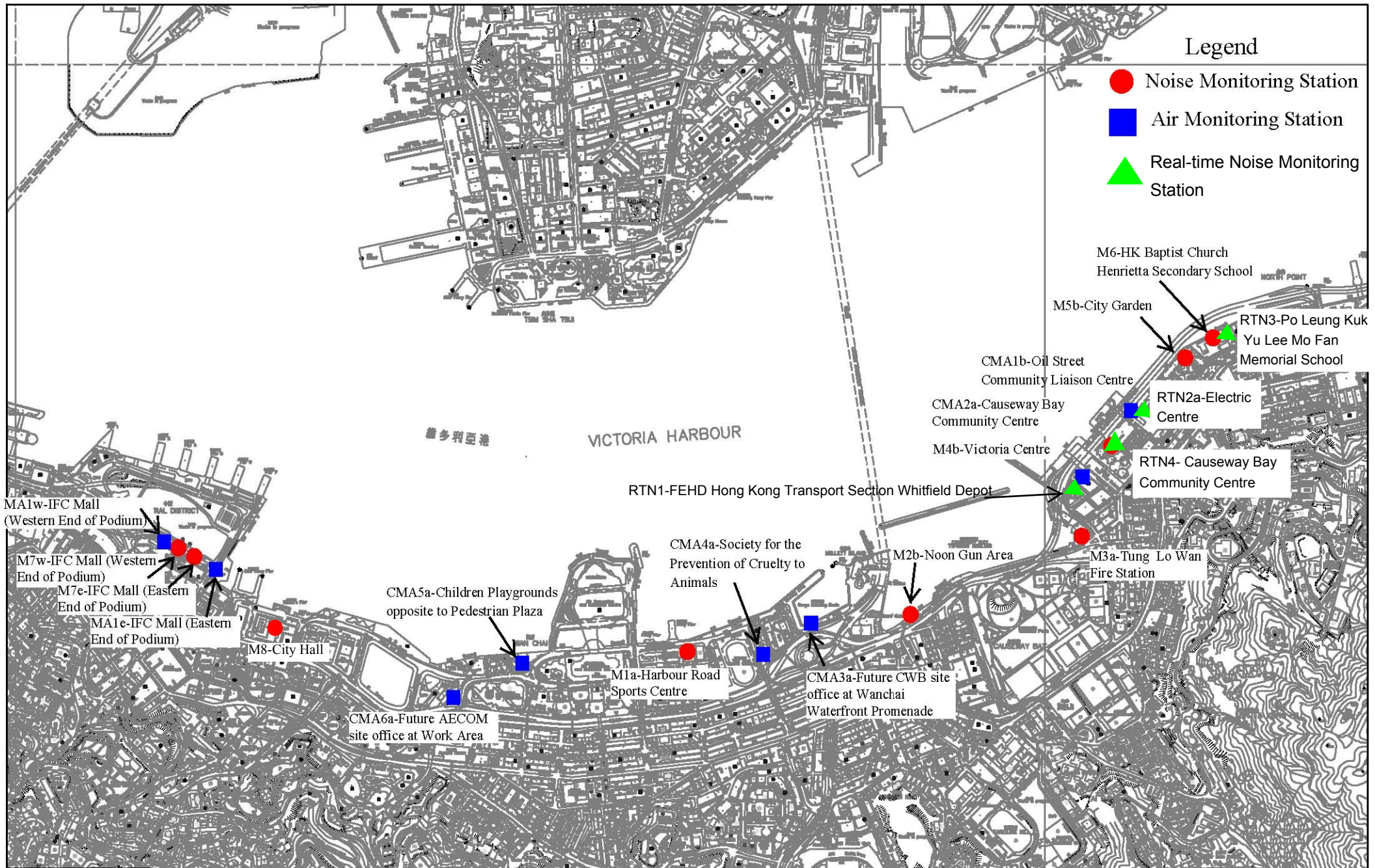






***Figure 4.1***

***Locations of Monitoring Stations***





***Appendix 3.1***

***Environmental Mitigation Implementation Schedule***

**IMPLEMENTATION SCHEDULE OF THE PROPOSED MITIGATION MEASURES****Table A.1 Implementation Schedule for Air Quality Control**

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
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		√			
<b>Operational Phase</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 of Volume 1 of the WDII & CWB EIA Report.	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

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

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
S4.9.3	<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
S4.8.1 – S4.8.11	<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> </ul>	Work Sites / During Construction	Contractor		√			EIAO-TM, NCO

WDII & CWB EIA Report 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>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>							
<b>Operation Phase</b>								
S4.8.12 – S4.8.23	<p>For Existing NSRs</p> <ul style="list-style-type: none"> <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 4.5m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC (amended under EP-364/2009/A)</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>	Near North Point / Before commencement of operation of road project	HyD	√	√	√		EIAO-TM

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	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> <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>	In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites.  Near Causeway Bay Fire Station / During detailed design of the re-provisioned Tin Hau Temple	HyD  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.

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

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
S6.5.14	<b><i>Floating Refuse</i></b> 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 D9.3.	Work site / During the construction period	Contractor		√			
S6.6.1	<b><i>Good Site Practices</i></b> Recommendations for good site practices during the construction activities include: <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)



WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.2	<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	√	√			

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.4	<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)
S6.6.5	<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		√			<p>Waste Disposal (Chemical Waste) (General) Regulation</p> <p>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</p>
S6.6.6	<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 WDII 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

WDH & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S6.6.7	In order to monitor the disposal of public fill and C&D waste at public fill reception 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
S6.6.8	<p><i>Bentonite Slurry</i></p> <p>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:</p> <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

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

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction and Operation Phase</b>								
S.7.1.1	As no potential contaminative land uses were identified within the Study Area, adverse land contamination impacts associated with the construction and operation of the Project is not expected. As such, environmental protection and mitigation measures are considered not necessary and will not be covered in this EM&A Manual.	-	-					-

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

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

WDII & CWB EIA Report Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
<b>Construction Phase</b>								
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
<b>Operation Phase</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	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

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



***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)/ 70 dB(A)/ 65 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*

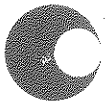
Monitoring Location	1-hour TSP Level in $\mu\text{g}/\text{m}^3$		24-hour TSP Level in $\mu\text{g}/\text{m}^3$	
	Action Level	Limit Level	Action Level	Limit Level
CMA1b	320.1	500	176.7	260
CMA2a	323.4	500	169.5	260
CMA3a	311.3	500	171.0	260
CMA4a	312.5	500	171.2	260
CMA5a	332.0	500	181.0	260
MA1e	325.1	500	173.4	260
MA1w	325.1	500	173.4	260



***Appendix 4.2***

***Copies of Calibration Certificates***





# Calibration Certificate

Certificate No. **23551**

Page 1 of 4 Pages

**Customer :** Lam Geotechnics Limited

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

**Order No. :** Q21462

**Date of receipt :** 11-Jun-12

## Item Tested

**Description :** Digital Sound Level Meter

**Manufacturer :** B&K

**Model :** Type 2236

**Serial No. :** 2100736

## Test Conditions

**Date of Test :** 12-Jun-12

**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, IEC 804 Type 1 & IEC 1260 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	15136	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:** 12-Jun-12

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

The copyright of this certificate is owned by Hong Kong Calibration Ltd.. It may not be reproduced except in full.



# Calibration Certificate

Certificate No. 23551

Page 2 of 4 Pages

Results :

## 1. SPL Accuracy

UUT Setting				Applied Value (dB)	UUT Reading (dB)
Range	Parameter	Frequency Wt.	Freq. Response		
20 - 100	SPL	dBA	F	94.0	93.8
			S		93.8
		dBC	F		93.9
		dBL	F		93.9
		1 kHz	F		93.9
40 - 120	SPL	dBA	F	94.0	93.9
		1 kHz	F		94.0
	SPL	dBA	F	114.0	114.0
			S		114.0
		dBC	F		114.0
		dBL	F		114.1
1 kHz	F	114.0			

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)
140	114.0	113.8	-0.1	$\pm 0.7$ dB
130	104.0	103.9	0.0	
120	94.0	93.9 (Ref.)	--	
110	84.0	83.9	0.0	
100	74.0	73.9	0.0	
90	64.0	63.9	0.0	
90	54.0	53.9	0.0	

Uncertainty :  $\pm 0.1$  dB



# Calibration Certificate

Certificate No. 23551

Page 3 of 4 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	83.9	0.0	± 0.4 dB
	94.0	93.9 (Ref.)	--	
	95.0	94.8	-0.1	± 0.2 dB

Uncertainty : ± 0.1 dB

## 4. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	-39.4	- 39.4 dB, ± 1.5 dB
63 Hz	-26.1	- 26.2 dB, ± 1.5 dB
125 Hz	-16.1	- 16.1 dB, ± 1 dB
250 Hz	-8.6	- 8.6 dB, ± 1 dB
500 Hz	-3.2	- 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	+1.0	+ 1.0 dB, ± 1 dB
8 kHz	-1.1	- 1.1 dB, + 1.5 dB ~ -3 dB
16 kHz	-6.7	- 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	39.9	± 0.5 dB
1/10 <sup>2</sup>	40.0	39.8	
1/10 <sup>3</sup>	40.0	39.7	
1/10 <sup>4</sup>	40.0	39.5	

Uncertainty : ± 0.1 dB



# Calibration Certificate

Certificate No. 23551

Page 4 of 4 Pages

## 6. Filter Response

Filter Setting	Attenuation (dB)	IEC 1260 Class 1 Spec.
125 Hz	-63.5	< - 61
250 Hz	-44.7	< - 42
500 Hz	-20.8	< - 17.5
707 Hz	-3.5	- 2 ~ - 5
1 kHz (Ref.)	0.0 (Ref.)	--
1.414 kHz	-3.9	- 2 ~ - 5
2 kHz	-21.2	< - 17.5
4 kHz	-44.9	< - 42
8 kHz	-63.7	< - 61

Uncertainty :  $\pm 0.2$  dB

- Remark : 1. UUT : Unit-Under-Test  
2. The uncertainty claimed is for a confidence probability of not less than 95%.  
3. Atmospheric Pressure : 992 hPa

----- END -----



# Calibration Certificate

Certificate No. **25144**

Page 1 of 2 Pages

**Customer :** Lam Geotechnics Limited

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

**Order No. :** Q22033

**Date of receipt :** 2-Aug-12

## Item Tested

**Description :** Sound Level Calibrator

**Manufacturer :** B & K

**Model :** Type 4230

**Serial No. :** 1411076

## Test Conditions

**Date of Test :** 10-Aug-12

**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	13535	NIM-PRC & SCL-HKSAR
S024	Sound Level Calibrator	15136	NIM-PRC & SCL-HKSAR
S041	Universal Counter	15610	SCL-HKSAR
S191	6½ dgt. Multimeter	20033	NIM-PRC

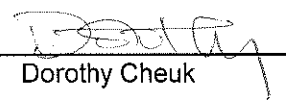
The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, 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 :** 

Stephen Chu

**Approved by :** 

Dorothy Cheuk

**Date:** 10-Aug-12

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



# Calibration Certificate

Certificate No. **25144**

Page 2 of 2 Pages

Results :

## 1. Level Accuracy

UUT Nominal Value (dB)	Measured Value (dB)	IEC 942 Class 1 Spec.
94	93.96	$\pm 0.3$ dB

Uncertainty :  $\pm 0.2$  dB

## 2. Frequency

UUT Nominal Value	Measured Value	IEC 942 Class 1 Spec.
1 kHz	1.000 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 : $< 1.5$ %

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 measurement.

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

4. Atmospheric Pressure : 995 hPa.

----- END -----



TISCH ENVIRONMENTAL, INC.  
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AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Jul 19, 2012 Rootmeter S/N 0438320 Ta (K) - 298  
 Operator Tisch Orifice I.D. - 0005 Pa (mm) - 751.84

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	1.3840	3.2	2.00
2	NA	NA	1.00	0.9760	6.4	4.00
3	NA	NA	1.00	0.8730	7.9	5.00
4	NA	NA	1.00	0.8340	8.8	5.50
5	NA	NA	1.00	0.6890	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9850	0.7117	1.4066	0.9957	0.7194	0.8903
0.9809	1.0050	1.9892	0.9915	1.0159	1.2591
0.9788	1.1212	2.2240	0.9894	1.1333	1.4078
0.9777	1.1723	2.3326	0.9883	1.1850	1.4765
0.9725	1.4115	2.8132	0.9831	1.4268	1.7807
Qstd slope (m) = 2.01145			Qa slope (m) = 1.25953		
intercept (b) = -0.02803			intercept (b) = -0.01774		
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:

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

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



Lam Geotechnics Limited

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

Location : CMA1b Calibration Date : 7-Feb-13  
 Equipment no. : EL452 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$\left( H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.0	6.0	12.0	1.7518	61	61.5558
2	5.1	5.1	10.2	1.6162	55	55.5012
3	4.0	4.0	8.0	1.4329	46	46.4191
4	2.5	2.5	5.0	1.1357	35	35.3189
5	1.4	1.4	2.8	0.8534	23	23.2096

By Linear Regression of Y on X

Slope, m = 42.3139 Intercept, b = -13.0619  
 Correlation Coefficient\* = 0.9991  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient &lt; 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13





Lam Geotechnics Limited

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

Location : CMA2a Calibration Date : 7-Feb-13  
 Equipment no. : EL449 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.0	6.0	12.0	1.7518	57	57.5194
2	5.0	5.0	10.0	1.6004	49	49.4465
3	4.0	4.0	8.0	1.4329	42	42.3827
4	2.5	2.5	5.0	1.1357	27	27.2460
5	1.5	1.5	3.0	0.8829	16	16.1458

By Linear Regression of Y on X

Slope, m = 47.6298 Intercept, b = -26.2640  
 Correlation Coefficient\* = 0.9995  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient &lt; 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



Lam Geotechnics Limited

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

Location : CMA3a Calibration Date : 7-Feb-13  
 Equipment no. : EL888 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.1	6.1	12.2	1.7662	54	54.4920
2	4.8	4.8	9.6	1.5683	44	44.4009
3	4.0	4.0	8.0	1.4329	39	39.3554
4	2.4	2.4	4.8	1.1131	25	25.2278
5	1.4	1.4	2.8	0.8534	15	15.1367

By Linear Regression of Y on X

Slope, m = 42.8245 Intercept, b = -21.9533

Correlation Coefficient\* = 0.9991

Calibration Accepted = Yes/No\*\*

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

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



Lam Geotechnics Limited

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

Location : CMA4a Calibration Date : 7-Feb-13  
 Equipment no. : EL390 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$\left( H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.0	6.0	12.0	1.7518	62	62.5649
2	5.0	5.0	10.0	1.6004	54	54.4920
3	4.0	4.0	8.0	1.4329	46	46.4191
4	2.5	2.5	5.0	1.1357	32	32.2916
5	1.5	1.5	3.0	0.8829	21	21.1914

By Linear Regression of Y on X

Slope, m = 47.4825 Intercept, b = -21.2199  
 Correlation Coefficient\* = 0.9995  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient &lt; 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



Lam Geotechnics Limited

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

Location : CMA5a Calibration Date : 7-Feb-13  
 Equipment no. : EL380 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.1	6.1	12.2	1.7662	60	60.5467
2	5.1	5.1	10.2	1.6162	53	53.4829
3	4.0	4.0	8.0	1.4329	46	46.4191
4	2.4	2.4	4.8	1.1131	33	33.3007
5	1.5	1.5	3.0	0.8829	22	22.2005

By Linear Regression of Y on X

Slope, m = 42.6630 Intercept, b = -14.9280

Correlation Coefficient\* = 0.9994

Calibration Accepted = Yes/No\*\*

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

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



Lam Geotechnics Limited

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

Location : MA1e Calibration Date : 7-Feb-13  
 Equipment no. : EL455 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.2	6.2	12.4	1.7805	63	63.5741
2	5.1	5.1	10.2	1.6162	55	55.5012
3	4.0	4.0	8.0	1.4329	46	46.4191
4	2.6	2.6	5.2	1.1580	33	33.3007
5	1.6	1.6	3.2	0.9114	21	21.1914

By Linear Regression of Y on X

Slope, m = 48.6728 Intercept, b = -23.1611  
 Correlation Coefficient\* = 1.0000  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient &lt; 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



Lam Geotechnics Limited

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

Location : MA1w Calibration Date : 7-Feb-13  
 Equipment no. : EL080 Calibration Due Date : 7-Apr-13

**CALIBRATION OF CONTINUOUS FLOW RECORDER**

Ambient Condition			
Temperature, T <sub>a</sub>	294	Kelvin	Pressure, P <sub>a</sub>
			1018 mmHg

Orifice Transfer Standard Information			
Equipment No.	EL086	Slope, m <sub>c</sub>	2.01145
		Intercept, b <sub>c</sub>	-0.02803
Last Calibration Date	19-Jul-12	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	19-Jul-13		

Calibration of RSP						
Calibration Point	Manometer Reading			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	6.2	6.2	12.4	1.7805	60	60.5467
2	5.1	5.1	10.2	1.6162	50	50.4556
3	4.1	4.1	8.2	1.4505	42	42.3827
4	2.4	2.4	4.8	1.1131	25	25.2278
5	1.5	1.5	3.0	0.8829	14	14.1276

By Linear Regression of Y on X

Slope, m = 51.1935 Intercept, b = -31.5175  
 Correlation Coefficient\* = 0.9994  
 Calibration Accepted = Yes/No\*\*

\* if Correlation Coefficient &lt; 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks : \_\_\_\_\_

Calibrated by : Sam Checked by : Derek Lo  
 Date : 7-Feb-13 Date : 7-Feb-13



***Appendix 5.1***

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

**Wan Chai Development Phase II and Central-Wan Chai Bypass  
Sampling, Field Measurement and Testing Works (Stage 2)**

**Environmental Monitoring Schedule  
March 2013**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				28-Feb	1-Mar	2-Mar
3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar
	24hr TSP	24hr TSP (CMA2a) 1hr TSP		Noise (Daytime)		24hr TSP
10-Mar	11-Mar	12-Mar	13-Mar	14-Mar	15-Mar	16-Mar
	1hr TSP	Noise (Daytime)			24hr TSP	1hr TSP
17-Mar	18-Mar	19-Mar	20-Mar	21-Mar	22-Mar	23-Mar
		Noise (Daytime)		24hr TSP	1hr TSP	
24-Mar	25-Mar	26-Mar	27-Mar	28-Mar		
		Noise (Daytime)	24hr TSP	1hr TSP		



**Wan Chai Development Phase II and Central-Wan Chai Bypass  
Sampling, Field Measurement and Testing Works (Stage 2)**

**Tentative Environmental Monitoring Schedule  
April 2013**

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



***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)								
07/03/13	10:20	Fine	71.9	74.5	67.5	72	72	75
12/03/13	10:10	Fine	73.3	76.0	68.5	72	67	75
19/03/13	10:00	Fine	74.3	77.0	70.0	72	70	75
26/03/13	10:00	Cloudy	75.5	79.0	69.5	72	73	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)								
07/03/13	11:05	Fine	73.9	77.0	70.0	68	73	75
12/03/13	10:50	Fine	70.1	70.5	67.5	68	67	75
19/03/13	10:45	Fine	70.9	72.0	69.0	68	68	75
26/03/13	10:45	Cloudy	72.3	74.6	70.3	68	71	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)								
07/03/13	13:00	Fine	67.0	68.5	64.5	69	67	75
12/03/13	11:30	Fine	67.7	69.5	69.0	69	68	75
19/03/13	13:10	Fine	68.0	68.5	65.0	69	68	75
26/03/13	11:28	Cloudy	68.6	69.5	66.0	69	69	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)								
07/03/13	13:45	Fine	74.3	76.0	71.0	67	73	75
12/03/13	13:00	Fine	70.1	71.5	68.0	67	67	75
19/03/13	13:50	Fine	75.8	77.5	70.5	67	75	75
26/03/13	13:00	Cloudy	71.3	73.0	68.0	67	69	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)								
07/03/13	14:30	Fine	69.9	73.0	66.5	68	65	75
12/03/13	13:45	Fine	71.9	73.5	67.5	68	70	75
19/03/13	14:35	Fine	74.3	75.5	71.5	68	73	75
26/03/13	14:45	Cloudy	72.5	75.5	69.0	68	71	75

Location: M6 - HK Baptist Church Henrietta Secondary School

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
07/03/13	15:10	Fine	73.9	75.0	72.0	71	71	70
12/03/13	14:25	Fine	74.6	76.0	72.5	71	72	70
19/03/13	15:20	Cloudy	74.8	75.5	73.0	71	73	70
26/03/13	15:15	Cloudy	77.1	78.3	75.9	71	76	70



### Noise Monitoring Result

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

Location: M7e - International Finance Centre (Eastern End of Podium) (Reference 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)								
07/03/13	9:00	Fine	68.4	70.0	65.5	67	63	N/A
12/03/13	8:35	Fine	72.0	73.5	69.0	67	70	N/A
19/03/13	8:35	Fine	70.8	72.5	64.0	67	69	N/A
26/03/13	8:35	Cloudy	69.3	71.4	66.9	67	66	N/A

Location: M7w - International Finance Centre (Western End of Podium)

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
07/03/13	8:40	Fine	67.6	69.0	65.5	69	68	75
12/03/13	8:00	Fine	66.1	68.0	63.0	69	66	75
19/03/13	8:00	Fine	67.4	69.5	62.5	69	67	75
26/03/13	8:00	Cloudy	65.7	67.5	60.5	69	66	75

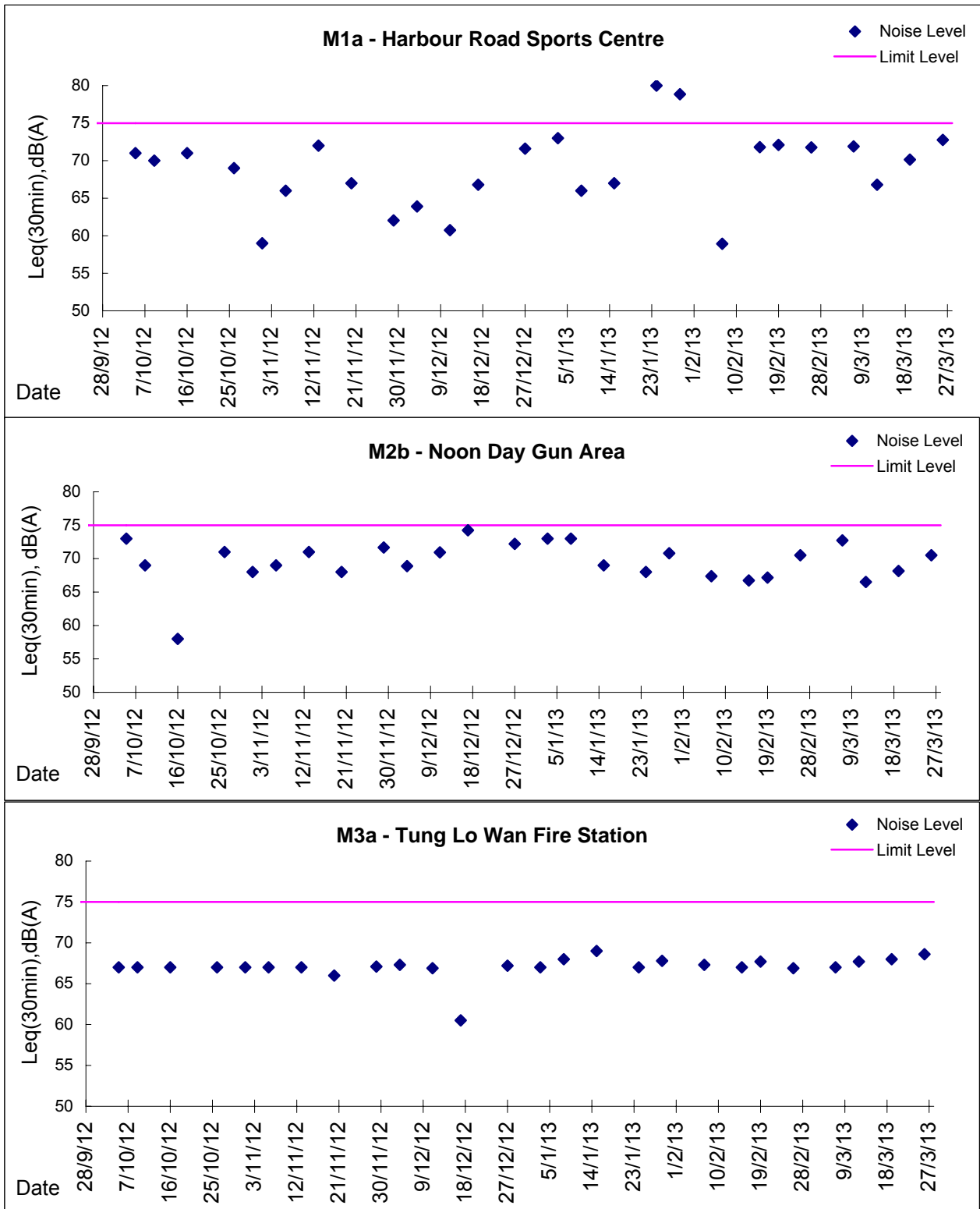
Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
07/03/13	9:30	Fine	61.4	63.5	57.0	64	61	70
12/03/13	9:20	Fine	62.8	64.5	58.0	64	63	70
19/03/13	9:15	Fine	61.3	62.0	57.5	64	61	70
26/03/13	9:10	Cloudy	67.5	69.3	64.3	64	65	70



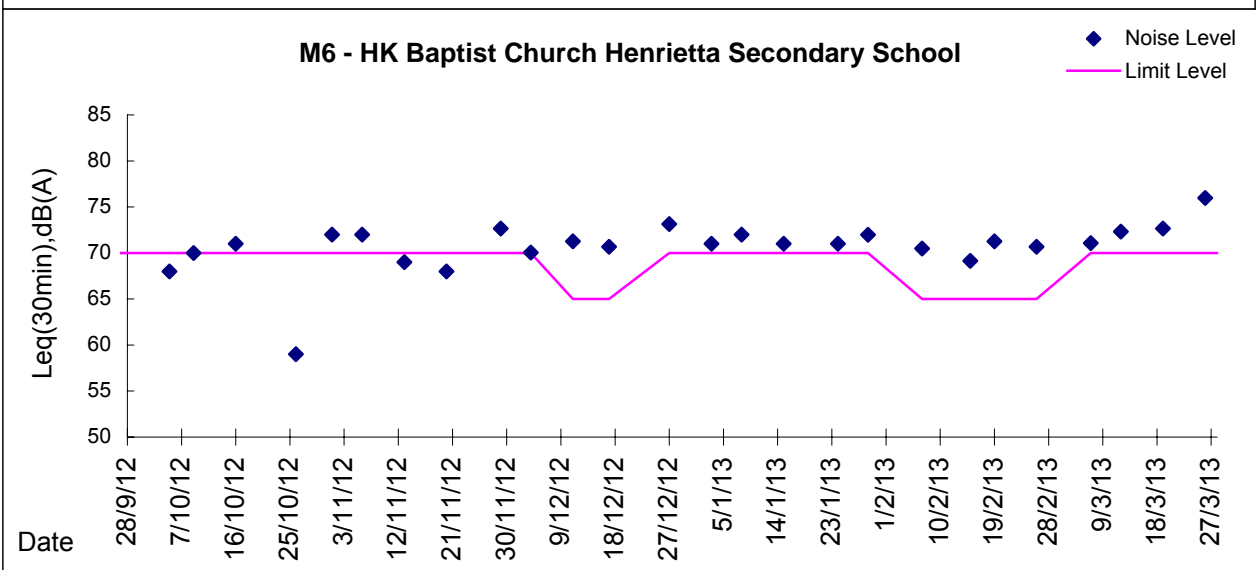
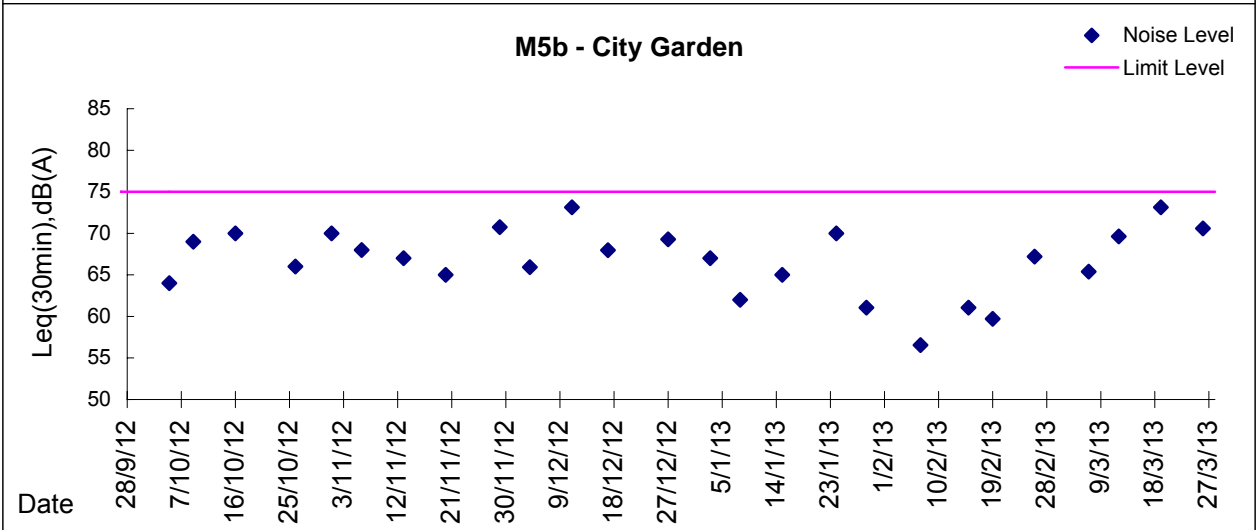
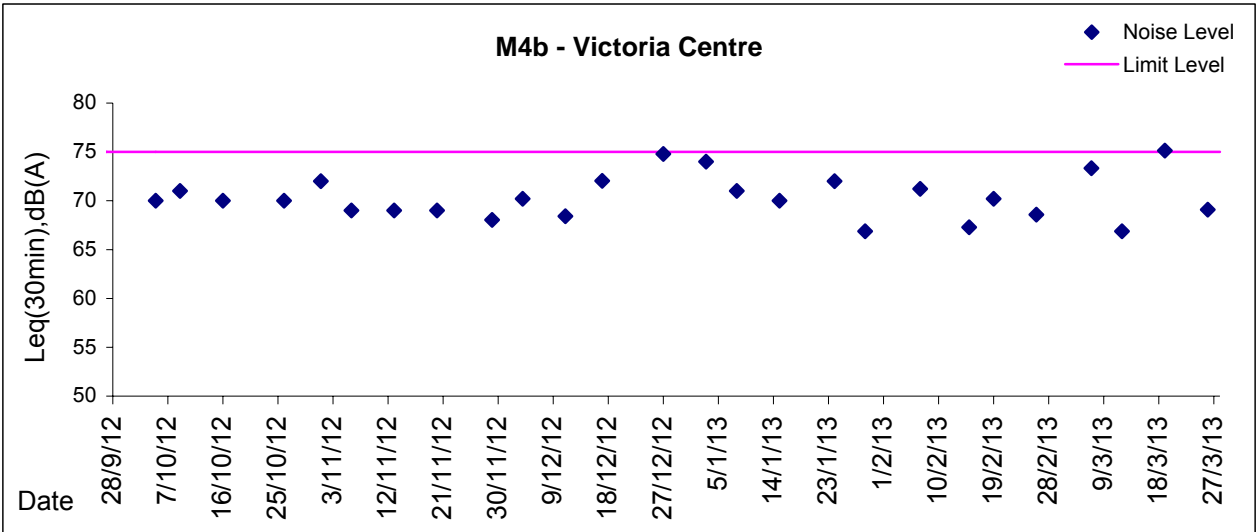
**Graphic Presentation of Noise Monitoring Result**

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



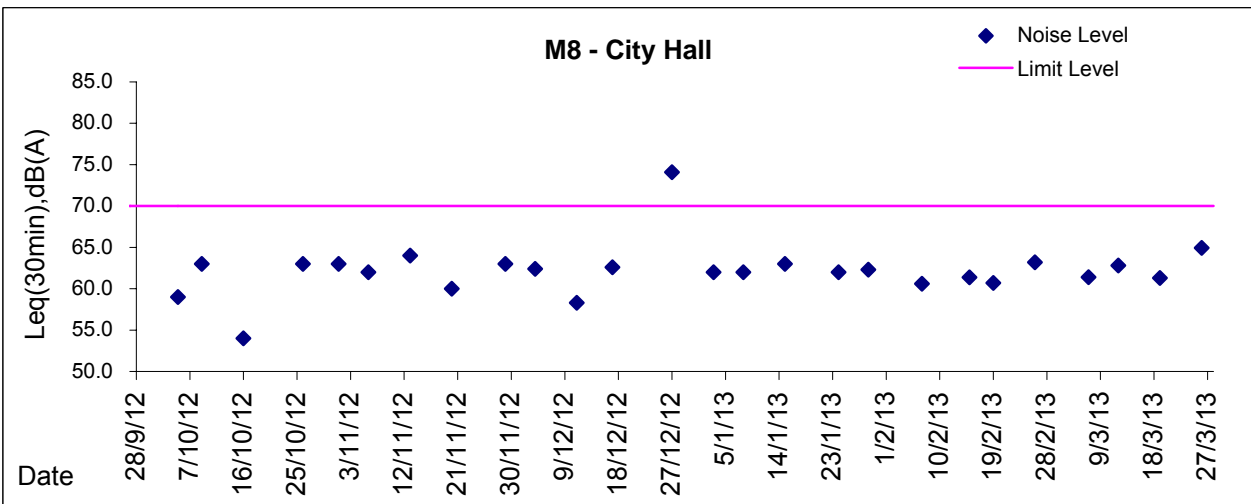
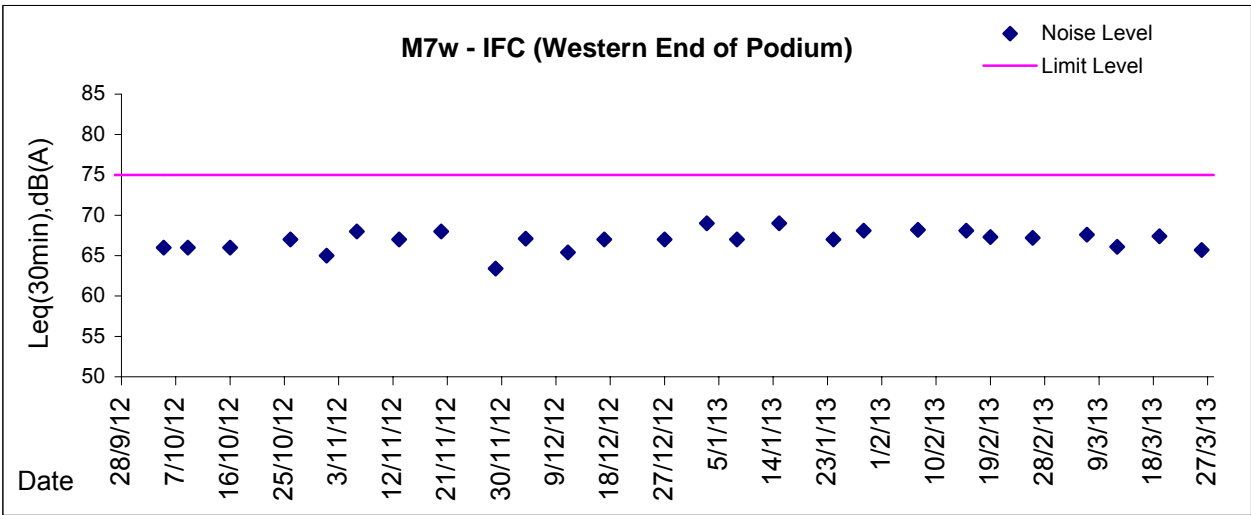
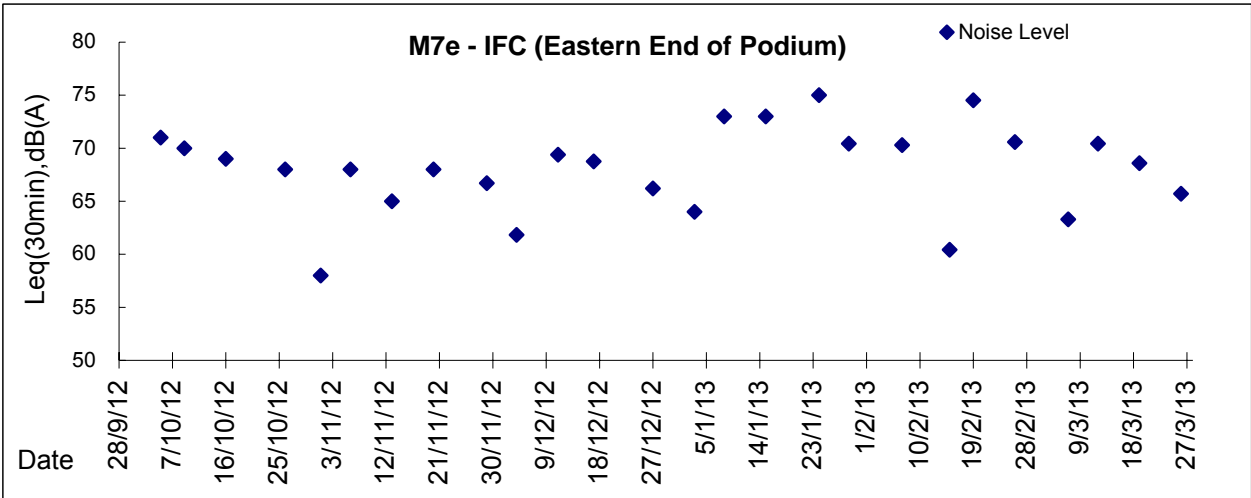


**Graphic Presentation of Noise Monitoring Result**  
**Day Time (0700 - 1900hrs on normal weekdays)**





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



\* Remark: M7e - IFC (Eastern End of Podium) is a reference monitoring station



***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		
4-Mar-13	8:00	Cloudy	002922	2.7823	2.9055	2464.15	2488.16	24.01	1.00	1.00	1.00	1441	85
9-Mar-13	8:00	Fine	004646	2.7256	2.9024	2491.16	2515.16	24.00	1.08	1.08	1.08	1562	113
15-Mar-13	8:00	Fine	004106	2.8062	3.0630	2518.16	2542.16	24.00	1.23	1.23	1.23	1768	145
21-Mar-13	8:00	Cloudy	004703	2.6980	2.8893	2545.15	2569.16	24.01	1.18	1.18	1.18	1694	113
27-Mar-13	8:00	Cloudy	004755	2.8324	2.9717	2572.16	2596.16	24.00	1.18	1.18	1.18	1696	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		
5-Mar-13	8:37	Cloudy	004489	2.6877	2.7026	2488.16	2489.16	1.00	1.09	1.00	1.05	63	238
5-Mar-13	9:41	Cloudy	004492	2.6872	2.7044	2489.16	2490.16	1.00	0.95	0.95	0.95	57	301
5-Mar-13	10:46	Cloudy	004643	2.7151	2.7384	2490.16	2491.16	1.00	1.23	1.23	1.23	74	316
11-Mar-13	8:12	Cloudy	004680	2.7284	2.7459	2515.16	2516.16	1.00	1.23	1.23	1.23	74	238
11-Mar-13	9:20	Cloudy	004509	2.6954	2.7092	2516.16	2517.16	1.00	1.23	1.23	1.23	74	188
11-Mar-13	10:44	Cloudy	004902	2.7609	2.7731	2517.16	2518.16	1.00	1.04	1.04	1.04	63	195
16-Mar-13	8:12	Fine	004675	2.7521	2.7729	2542.16	2543.16	1.00	1.25	1.25	1.25	75	277
16-Mar-13	9:20	Fine	004677	2.7222	2.7327	2543.16	2544.16	1.00	1.20	1.20	1.20	72	145
16-Mar-13	10:44	Fine	004506	2.6853	2.6987	2544.16	2545.16	1.00	1.04	1.04	1.04	63	214
22-Mar-13	8:03	Fine	004764	2.8487	2.8608	2569.16	2570.16	1.00	1.04	1.04	1.04	62	194
22-Mar-13	9:05	Fine	004759	2.8291	2.8427	2570.16	2571.16	1.00	1.27	1.22	1.24	75	182
22-Mar-13	10:12	Fine	004756	2.8134	2.8253	2571.16	2572.16	1.00	1.18	1.18	1.18	71	169
28-Mar-13	8:05	Rainy	004667	2.7034	2.7139	2596.16	2597.16	1.00	1.04	1.06	1.05	63	166
28-Mar-13	9:09	Rainy	004665	2.7181	2.7301	2597.16	2598.16	1.00	1.27	1.27	1.27	76	158
28-Mar-13	10:15	Rainy	004663	2.7147	2.7264	2598.16	2599.16	1.00	1.18	1.18	1.18	71	166

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		
5-Mar-13	12:00	Cloudy	004645	2.7345	2.9579	12230.67	12254.67	24.00	1.41	1.41	1.41	2033	110
9-Mar-13	8:00	Fine	004648	2.6990	2.9404	12254.67	12278.67	24.00	1.40	1.40	1.40	2020	119
15-Mar-13	8:00	Fine	004244	2.6924	2.9355	12281.67	12305.67	24.00	1.39	1.39	1.39	1999	122
21-Mar-13	8:00	Cloudy	004672	2.7051	2.8644	12308.67	12332.67	24.00	1.26	1.26	1.26	1816	88
27-Mar-13	8:00	Cloudy	004754	2.8244	2.9753	12335.67	12359.67	24.00	1.43	1.43	1.43	2052	74

\*Due to lack of electricity supply, the 24hr TSP monitoring was rescheduled from 4 Mar 2013 to 5 Mar 2013.

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		
5-Mar-13	8:26	Cloudy	004455	2.6744	2.6924	12227.67	12228.67	1.00	1.45	1.45	1.45	87	207
5-Mar-13	9:31	Cloudy	004491	2.6817	2.7084	12228.67	12229.67	1.00	1.43	1.43	1.43	86	311
5-Mar-13	10:35	Cloudy	004642	2.7345	2.7620	12229.67	12230.67	1.00	1.43	1.43	1.43	86	320
11-Mar-13	8:05	Cloudy	004699	2.7169	2.7284	12278.67	12279.67	1.00	1.43	1.43	1.43	86	134
11-Mar-13	9:18	Cloudy	004507	2.6720	2.6856	12279.67	12280.67	1.00	1.43	1.43	1.43	86	159
11-Mar-13	10:31	Cloudy	004901	2.7527	2.7597	12280.67	12281.67	1.00	1.22	1.22	1.22	73	95
16-Mar-13	8:04	Fine	004674	2.7461	2.7588	12305.67	12306.67	1.00	1.41	1.41	1.41	84	150
16-Mar-13	9:10	Fine	004676	2.7229	2.7416	12306.67	12307.67	1.00	1.43	1.43	1.43	86	218
16-Mar-13	10:14	Fine	004679	2.7206	2.7328	12307.67	12308.67	1.00	1.18	1.18	1.18	71	172
22-Mar-13	8:04	Fine	004763	2.8509	2.8665	12332.67	12333.67	1.00	1.44	1.44	1.44	87	180
22-Mar-13	9:10	Fine	004758	2.8299	2.8532	12333.67	12334.67	1.00	1.36	1.36	1.36	82	285
22-Mar-13	10:15	Fine	004757	2.8224	2.8376	12334.67	12335.67	1.00	1.40	1.40	1.40	84	181
28-Mar-13	8:05	Rainy	004668	2.7118	2.7203	12359.67	12360.67	1.00	1.40	1.40	1.40	84	101
28-Mar-13	9:12	Rainy	004665	2.7181	2.7199	12360.67	12361.67	1.00	1.40	1.40	1.40	84	21
28-Mar-13	10:16	Rainy	004664	2.7298	2.7409	12361.67	12362.67	1.00	1.40	1.40	1.40	84	132



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		
4-Mar-13	8:00	Cloudy	002868	2.7911	3.1273	12981.93	13005.93	24.00	1.65	1.65	1.65	2379	141
9-Mar-13	8:00	Fine	004498	2.7096	3.0712	13008.93	13032.93	24.00	1.50	1.50	1.50	2167	167
15-Mar-13	8:00	Fine	004909	2.7587	3.1267	13035.93	13059.93	24.00	1.65	1.65	1.65	2372	155
21-Mar-13	8:00	Cloudy	004800	2.8223	3.1579	13062.93	13086.94	24.01	1.55	1.55	1.55	2233	150
27-Mar-13	8:00	Cloudy	004745	2.8263	3.1011	13115.08	13139.09	24.01	1.60	1.60	1.60	2301	119

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		
5-Mar-13	8:21	Cloudy	004510	2.6856	2.7131	13005.93	13006.93	1.00	1.60	1.60	1.60	96	286
5-Mar-13	9:27	Cloudy	004494	2.6751	2.7029	13006.93	13007.93	1.00	1.60	1.60	1.60	96	289
5-Mar-13	10:35	Cloudy	004496	2.6822	2.7074	13007.93	13008.93	1.00	1.60	1.60	1.60	96	262
11-Mar-13	10:00	Cloudy	004903	2.7580	2.7723	13032.93	13033.93	1.00	1.55	1.55	1.55	93	153
11-Mar-13	13:23	Cloudy	004905	2.7651	2.7919	13033.93	13034.93	1.00	1.55	1.55	1.55	93	287
11-Mar-13	15:04	Cloudy	004907	2.7413	2.7656	13034.93	13035.93	1.00	1.55	1.55	1.55	93	261
16-Mar-13	8:27	Fine	004654	2.7050	2.7265	13059.93	13060.93	1.00	1.65	1.65	1.65	99	218
16-Mar-13	9:36	Fine	004656	2.7497	2.7683	13060.93	13061.93	1.00	1.65	1.65	1.65	99	188
16-Mar-13	10:39	Fine	004803	2.8178	2.8341	13061.93	13062.93	1.00	1.65	1.65	1.65	99	165
22-Mar-13	8:24	Fine	004795	2.8381	2.8626	13086.94	13087.94	1.00	1.57	1.57	1.57	94	260
22-Mar-13	9:28	Fine	004793	2.8347	2.8588	13087.94	13088.94	1.00	1.57	1.57	1.57	94	256
22-Mar-13	10:33	Fine	004791	2.8372	2.8627	13088.94	13089.94	1.00	1.57	1.57	1.57	94	270
28-Mar-13	8:26	Rainy	004787	2.8380	2.8481	13139.09	13140.09	1.00	1.55	1.55	1.55	93	108
28-Mar-13	9:30	Rainy	004785	2.8379	2.8508	13140.09	13141.09	1.00	1.55	1.55	1.55	93	139
28-Mar-13	10:35	Rainy	004746	2.8265	2.8402	13141.09	13142.09	1.00	1.55	1.55	1.55	93	147



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		
4-Mar-13	8:00	Cloudy	002894	2.7909	2.9763	16377.33	16401.33	24.00	1.27	1.27	1.27	1827	101
9-Mar-13	8:00	Fine	004497	2.7081	2.9133	16404.37	16428.37	24.00	1.30	1.30	1.30	1874	110
15-Mar-13	8:00	Fine	004908	2.7562	3.0047	16431.37	16455.37	24.00	1.27	1.26	1.27	1823	136
21-Mar-13	8:00	Cloudy	004801	2.8195	3.0396	16458.37	16482.37	24.00	1.26	1.26	1.26	1815	121
27-Mar-13	8:00	Cloudy	004789	2.8128	2.9537	16485.37	16509.37	24.00	1.26	1.26	1.26	1818	78

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		
5-Mar-13	8:10	Cloudy	004502	2.6869	2.7092	16401.33	16402.33	1.00	1.31	1.31	1.31	79	284
5-Mar-13	9:16	Cloudy	004493	2.6864	2.7041	16402.33	16403.33	1.00	1.23	1.23	1.23	74	241
5-Mar-13	10:23	Cloudy	004495	2.6648	2.6869	16403.33	16404.33	1.00	1.27	1.27	1.27	76	291
11-Mar-13	9:52	Cloudy	004904	2.7453	2.7517	16428.37	16429.37	1.00	1.26	1.26	1.26	76	84
11-Mar-13	13:11	Cloudy	002867	2.7959	2.8096	16429.37	16430.37	1.00	1.30	1.30	1.30	78	175
11-Mar-13	14:52	Cloudy	004906	2.7730	2.7844	16430.37	16431.37	1.00	1.30	1.30	1.30	78	146
16-Mar-13	8:41	Fine	004655	2.7263	2.7388	16455.37	16456.37	1.00	1.26	1.26	1.26	76	165
16-Mar-13	9:47	Fine	004804	2.8238	2.8385	16456.37	16457.37	1.00	1.26	1.26	1.26	76	194
16-Mar-13	10:50	Fine	004802	2.8073	2.8216	16457.37	16458.37	1.00	1.26	1.26	1.26	76	188
22-Mar-13	8:36	Fine	004794	2.8373	2.8501	16482.37	16483.37	1.00	1.26	1.26	1.26	76	169
22-Mar-13	9:41	Fine	004792	2.8088	2.8226	16483.37	16484.37	1.00	1.26	1.26	1.26	76	183
22-Mar-13	10:44	Fine	004790	2.8173	2.8314	16484.37	16485.37	1.00	1.26	1.26	1.26	76	187
28-Mar-13	8:40	Rainy	004786	2.8458	2.8534	16509.37	16510.37	1.00	1.26	1.26	1.26	76	100
28-Mar-13	9:45	Rainy	004784	2.8197	2.8283	16510.37	16511.37	1.00	1.26	1.26	1.26	76	114
28-Mar-13	10:50	Rainy	004747	2.8050	2.8133	16511.37	16512.37	1.00	1.26	1.26	1.26	76	110



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

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		
4-Mar-13	8:00	Cloudy	004326	2.7136	2.8893	17376.53	17400.55	24.02	1.33	1.33	1.33	1922	91
9-Mar-13	8:00	Fine	004647	2.7329	2.9132	17403.55	17427.55	24.00	1.16	1.16	1.16	1677	107
15-Mar-13	8:00	Fine	004771	2.8205	3.0576	17430.55	17454.55	24.00	1.38	1.37	1.38	1980	120
21-Mar-13	8:00	Cloudy	004797	2.8147	2.9498	17457.55	17481.55	24.00	1.17	1.16	1.17	1678	81
27-Mar-13	8:00	Cloudy	004776	2.7944	3.1281	17484.56	17508.56	24.00	1.30	1.30	1.30	1876	178

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		
5-Mar-13	13:00	Cloudy	004499	2.6901	2.7076	17400.55	17401.55	1.00	1.35	1.35	1.35	81	215
5-Mar-13	14:10	Cloudy	004500	2.6966	2.7115	17401.55	17402.55	1.00	1.24	1.24	1.24	74	200
5-Mar-13	15:20	Cloudy	004698	2.7267	2.7428	17402.55	17403.55	1.00	1.38	1.38	1.38	83	195
11-Mar-13	8:32	Cloudy	004650	2.7102	2.7303	17427.55	17428.55	1.00	1.37	1.37	1.37	82	244
11-Mar-13	9:35	Cloudy	004652	2.7124	2.7260	17428.55	17429.55	1.00	1.37	1.37	1.37	82	165
11-Mar-13	13:00	Cloudy	004508	2.6802	2.6964	17430.55	17431.55	1.00	1.37	1.37	1.37	82	197
16-Mar-13	13:00	Fine	004673	2.7382	2.7527	17454.55	17455.55	1.00	1.37	1.37	1.37	82	176
16-Mar-13	14:06	Fine	004781	2.8102	2.8267	17455.55	17456.55	1.00	1.37	1.37	1.37	82	200
16-Mar-13	15:16	Fine	004799	2.7974	2.8098	17456.55	17457.55	1.00	1.33	1.33	1.33	80	156
22-Mar-13	13:00	Fine	004753	2.8095	2.8347	17481.55	17482.55	1.00	1.35	1.35	1.35	81	312
22-Mar-13	14:08	Fine	004777	2.8378	2.8630	17482.55	17483.55	1.00	1.35	1.35	1.35	81	312
22-Mar-13	15:15	Fine	004952	2.7684	2.7816	17483.55	17484.55	1.00	1.35	1.35	1.35	81	164
28-Mar-13	13:00	Rainy	004659	2.7141	2.7260	17508.56	17509.56	1.00	1.35	1.35	1.35	81	147
28-Mar-13	14:04	Rainy	004733	2.8361	2.8432	17509.56	17510.56	1.00	1.39	1.39	1.39	84	85
28-Mar-13	15:08	Rainy	004735	2.8420	2.8538	17510.56	17511.56	1.00	1.37	1.37	1.37	82	143



Location: MA1e - International Finance Centre (Eastern Wing)

Report on 24-hour TSP monitoring  
 Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
 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		
4-Mar-13	8:00	Cloudy	004230	2.7151	2.8558	10044.35	10068.35	24.00	1.32	1.32	1.32	1898	74
9-Mar-13	8:00	Fine	004475	2.6885	2.9839	10071.35	10095.35	24.00	1.29	1.29	1.29	1857	159
15-Mar-13	8:00	Fine	004710	2.6927	2.9376	10098.36	10122.36	24.00	1.30	1.29	1.29	1864	131
21-Mar-13	8:00	Cloudy	004716	2.8339	3.0594	10125.36	10149.36	24.00	1.31	1.31	1.31	1886	120
27-Mar-13	8:00	Cloudy	004767	2.8239	2.9783	10152.36	10176.36	24.00	1.27	1.27	1.27	1831	84

Report on 1-hour TSP monitoring  
 Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
 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		
5-Mar-13	8:05	Cloudy	004469	2.6811	2.6967	10068.35	10069.35	1.00	1.32	1.32	1.32	79	197
5-Mar-13	9:07	Cloudy	004470	2.6858	2.6977	10069.35	10070.35	1.00	1.32	1.32	1.32	79	151
5-Mar-13	10:10	Cloudy	004329	2.7143	2.7269	10070.35	10071.35	1.00	1.32	1.32	1.32	79	160
11-Mar-13	8:10	Cloudy	004705	2.7101	2.7192	10095.35	10096.35	1.00	1.31	1.31	1.31	79	116
11-Mar-13	9:15	Cloudy	004707	2.7357	2.7429	10096.35	10097.35	1.00	1.31	1.31	1.31	79	91
11-Mar-13	10:20	Cloudy	004709	2.7000	2.7088	10097.35	10098.35	1.00	1.31	1.31	1.31	79	112
16-Mar-13	8:00	Fine	004328	2.7287	2.7396	10122.36	10123.36	1.00	1.31	1.31	1.31	79	138
16-Mar-13	9:03	Fine	004472	2.6909	2.7038	10123.36	10124.36	1.00	1.31	1.31	1.31	79	164
16-Mar-13	10:05	Fine	004713	2.7438	2.7567	10124.36	10125.36	1.00	1.31	1.31	1.31	79	164
22-Mar-13	8:10	Fine	004718	2.8142	2.8254	10149.36	10150.36	1.00	1.31	1.31	1.31	79	143
22-Mar-13	9:15	Fine	004720	2.8190	2.8310	10150.36	10151.36	1.00	1.31	1.31	1.31	79	153
22-Mar-13	10:18	Fine	004769	2.8236	2.8364	10151.36	10152.36	1.00	1.31	1.31	1.31	79	163
28-Mar-13	8:15	Rainy	004477	2.6923	2.6983	10176.36	10177.36	1.00	1.27	1.27	1.27	76	79
28-Mar-13	9:18	Rainy	004479	2.6981	2.7040	10177.36	10178.36	1.00	1.27	1.27	1.27	76	77
28-Mar-13	10:20	Rainy	006183	2.6405	2.6480	10178.36	10179.36	1.00	1.27	1.27	1.27	76	98



Location: MA1w - International Finance Centre (Western Wing)

Report on 24-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 173.4  
 Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 260

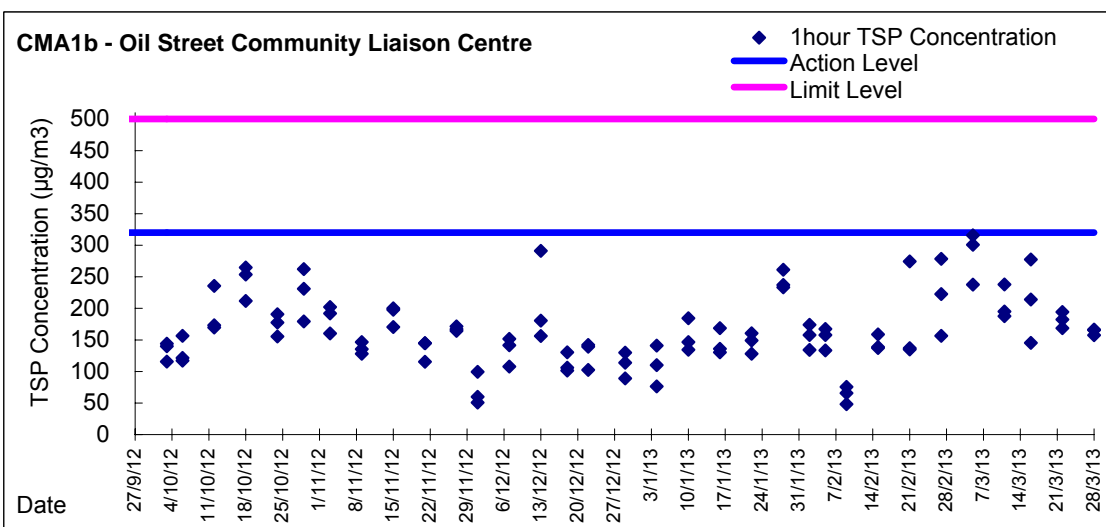
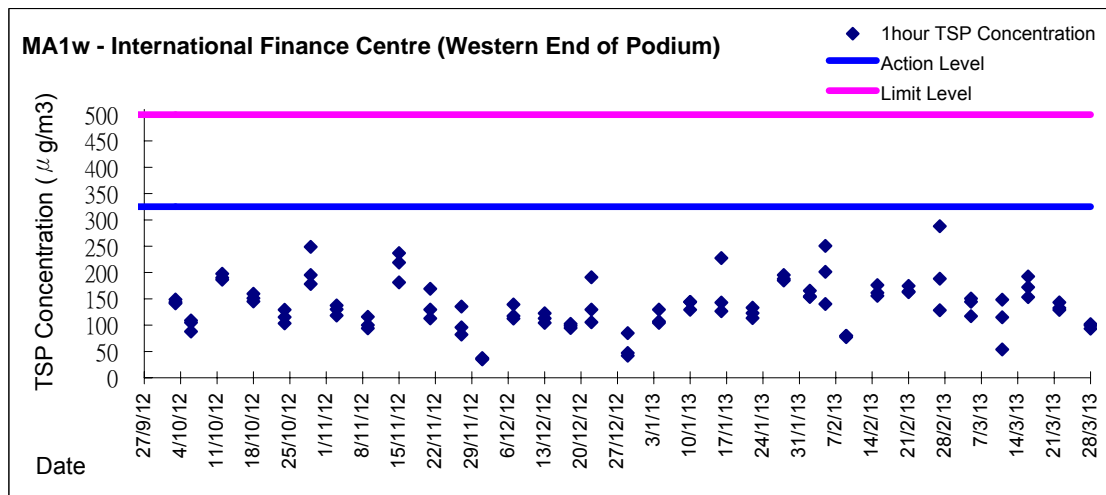
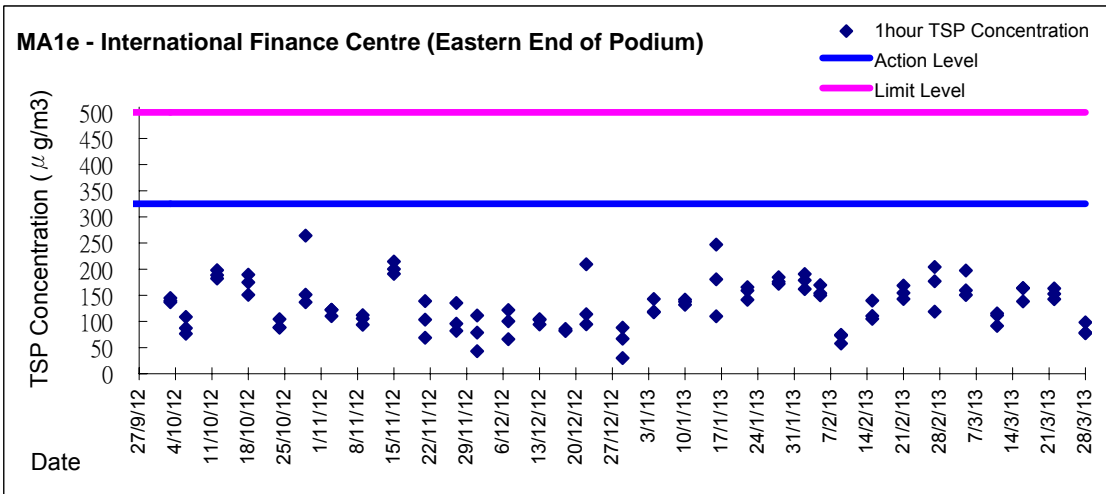
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
4-Mar-13	8:00	Cloudy	004324	2.7164	2.8782	13162.59	13186.59	24.00	1.40	1.40	1.40	2012	80
9-Mar-13	8:00	Fine	004476	2.6583	2.8719	13189.59	13213.59	24.00	1.37	1.37	1.37	1973	108
15-Mar-13	8:00	Fine	004711	2.7190	2.8584	13216.59	13240.59	24.00	1.39	1.39	1.39	2008	69
21-Mar-13	8:00	Cloudy	004715	2.6995	2.9066	13243.59	13267.59	24.00	1.37	1.37	1.37	1973	105
27-Mar-13	8:00	Cloudy	004704	2.7153	2.8684	13270.59	13294.59	24.00	1.39	1.39	1.39	2003	76

Report on 1-hour TSP monitoring

Action Level ( $\mu\text{g}/\text{m}^3$ ) - 325.1  
 Limit Level ( $\mu\text{g}/\text{m}^3$ ) - 500

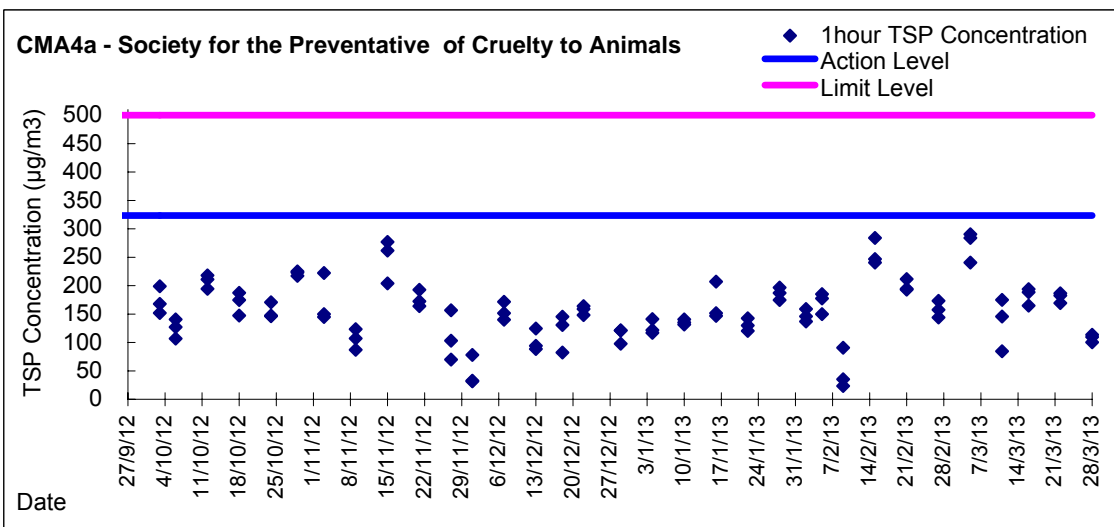
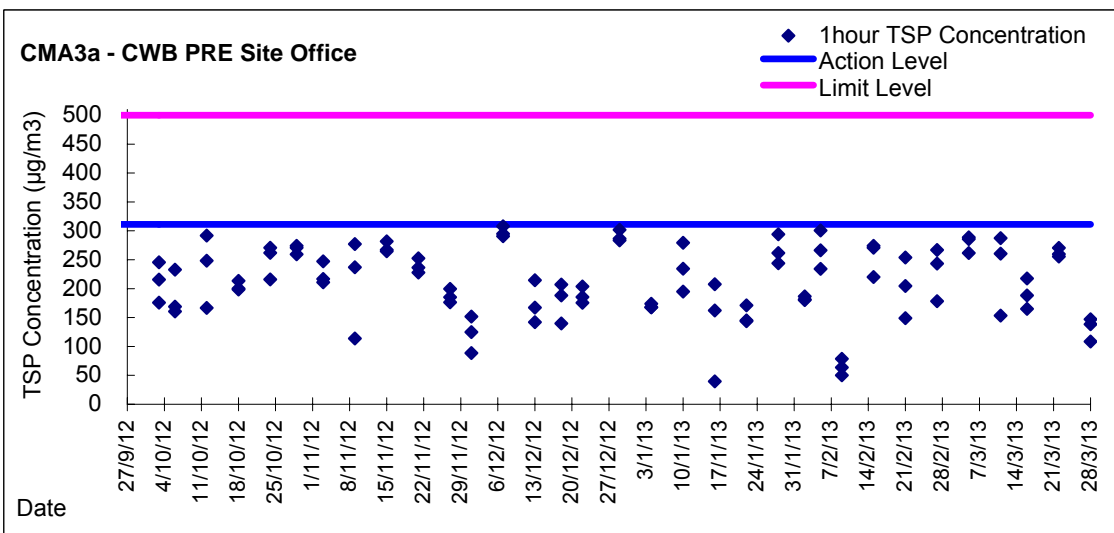
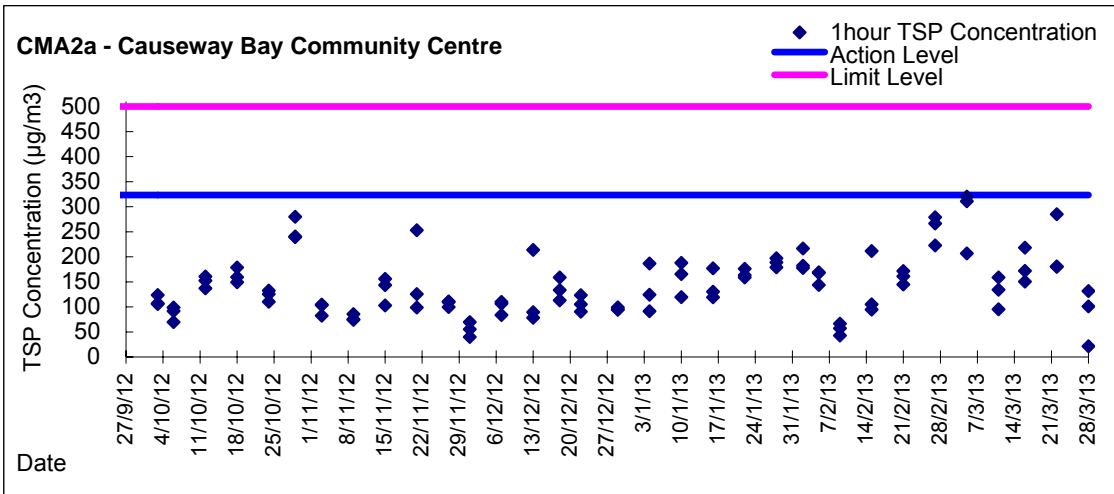
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, $\text{m}^3/\text{min}$			Total Volume, $\text{m}^3$	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, $Q_{si}$	Final, $Q_{sf}$	Average		
5-Mar-13	8:15	Cloudy	004327	2.7178	2.7276	13186.59	13187.59	1.00	1.40	1.40	1.40	84	117
5-Mar-13	9:18	Cloudy	004471	2.6923	2.7044	13187.59	13188.59	1.00	1.40	1.40	1.40	84	144
5-Mar-13	10:20	Cloudy	004474	2.6783	2.6909	13188.59	13189.59	1.00	1.40	1.40	1.40	84	150
11-Mar-13	8:20	Cloudy	004706	2.7335	2.7380	13213.59	13214.59	1.00	1.39	1.39	1.39	84	54
11-Mar-13	9:22	Cloudy	004708	2.7118	2.7214	13214.59	13215.59	1.00	1.39	1.39	1.39	84	115
11-Mar-13	10:25	Cloudy	004483	2.6789	2.6913	13215.59	13216.59	1.00	1.39	1.39	1.39	84	148
16-Mar-13	8:08	Fine	004712	2.7275	2.7403	13240.59	13241.59	1.00	1.39	1.39	1.39	84	153
16-Mar-13	9:10	Fine	004473	2.6818	2.6979	13241.59	13242.59	1.00	1.39	1.39	1.39	84	193
16-Mar-13	10:13	Fine	004714	2.7015	2.7159	13242.59	13243.59	1.00	1.39	1.39	1.39	84	172
22-Mar-13	8:20	Fine	004719	2.8195	2.8301	13267.59	13268.59	1.00	1.37	1.37	1.37	82	129
22-Mar-13	9:22	Fine	004770	2.8025	2.8134	13268.59	13269.59	1.00	1.37	1.37	1.37	82	133
22-Mar-13	13:00	Fine	004768	2.8261	2.8377	13269.59	13270.59	1.00	1.35	1.35	1.35	81	143
28-Mar-13	8:22	Rainy	004478	2.6822	2.6900	13294.59	13295.59	1.00	1.39	1.39	1.39	83	93
28-Mar-13	9:25	Rainy	006182	2.6338	2.6421	13295.59	13296.59	1.00	1.39	1.39	1.39	83	99
28-Mar-13	10:30	Rainy	006206	2.6599	2.6684	13296.59	13297.59	1.00	1.39	1.39	1.39	83	102

Graphic Presentation of 1 hour TSP Result

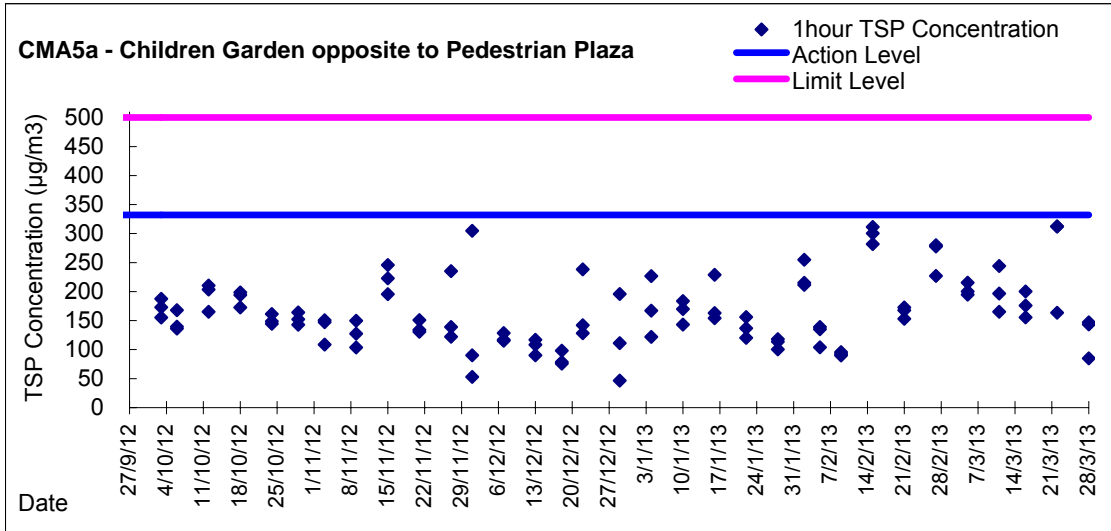




Graphic Presentation of 1 hour TSP Result

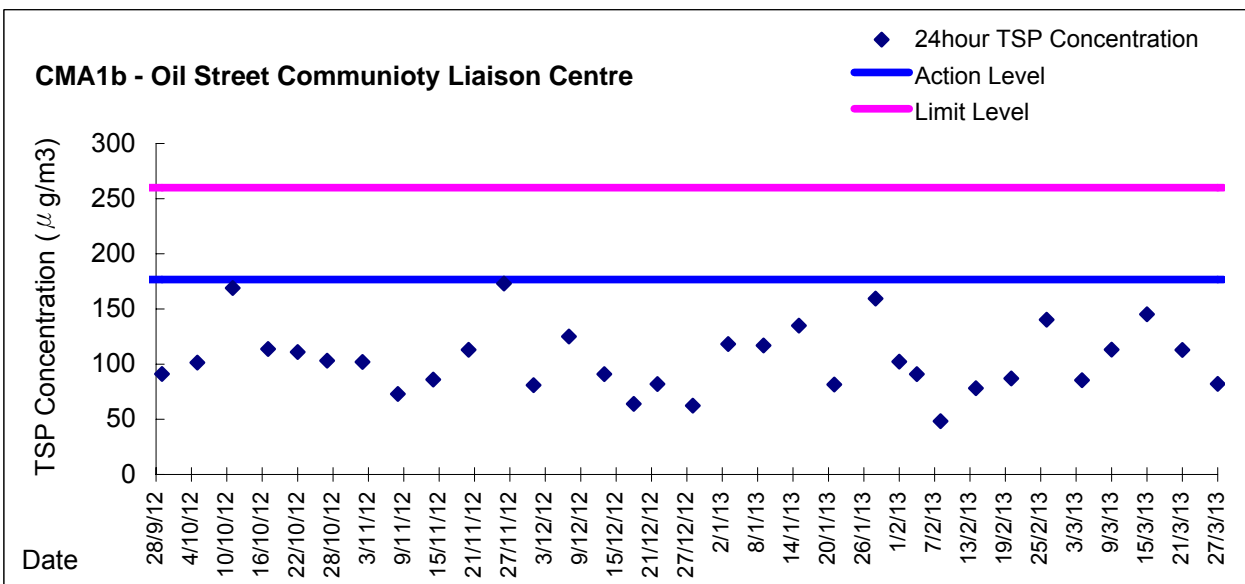
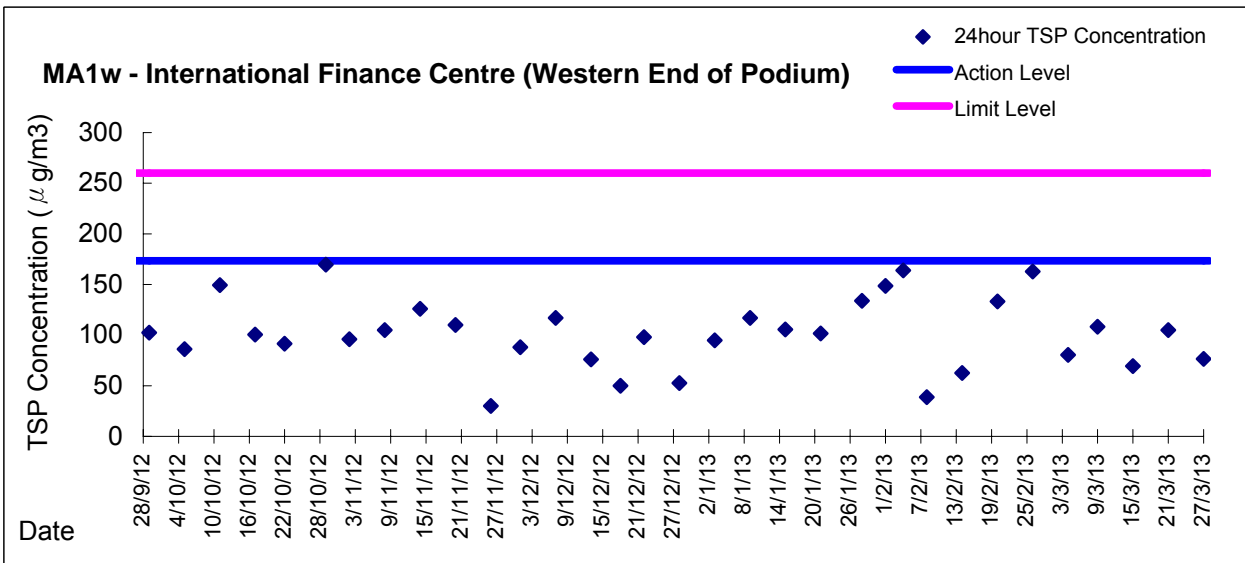
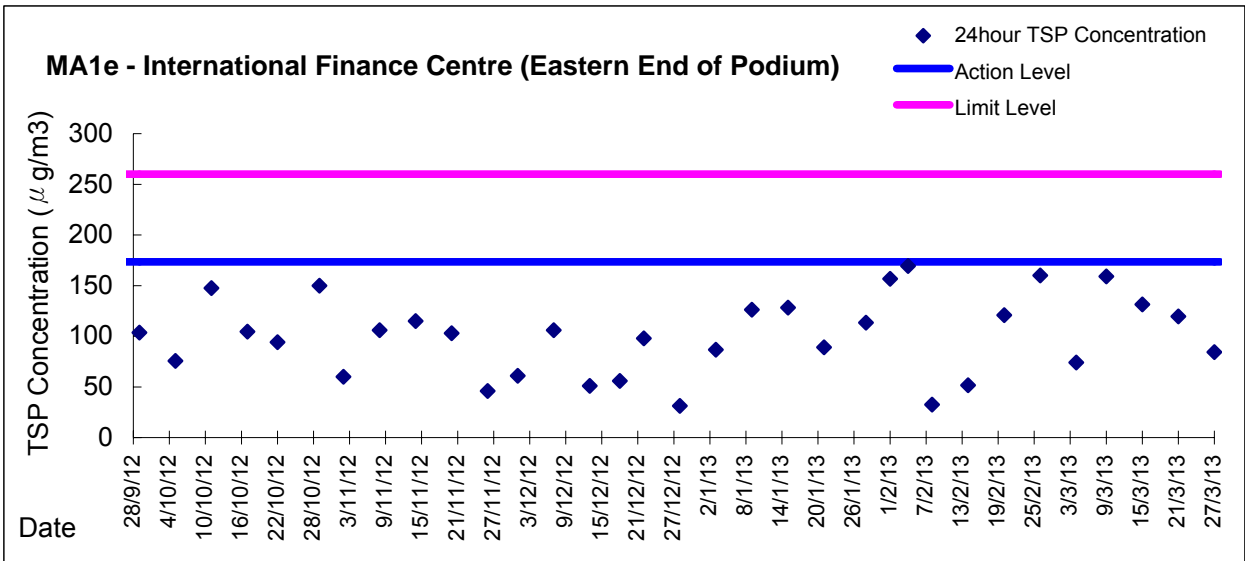


Graphic Presentation of 1 hour TSP Result



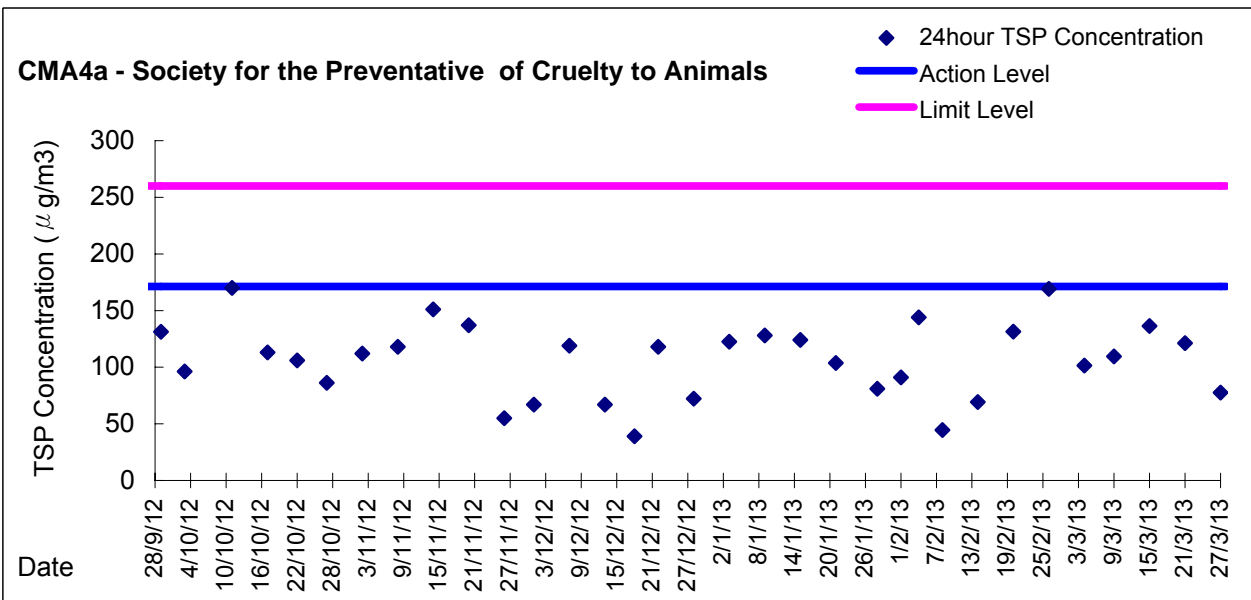
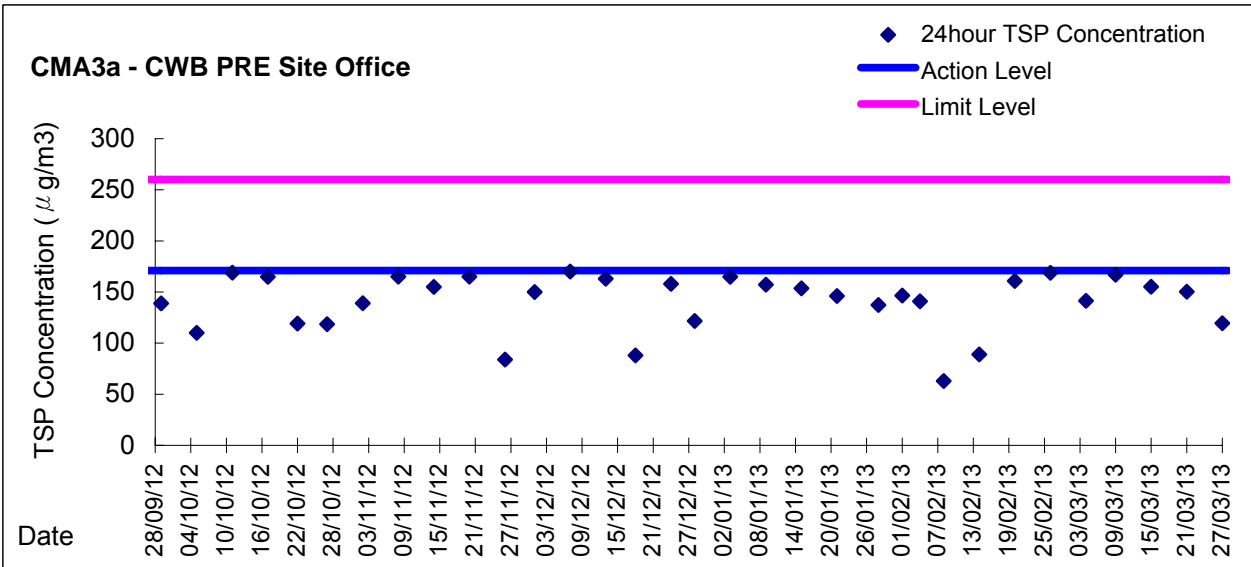
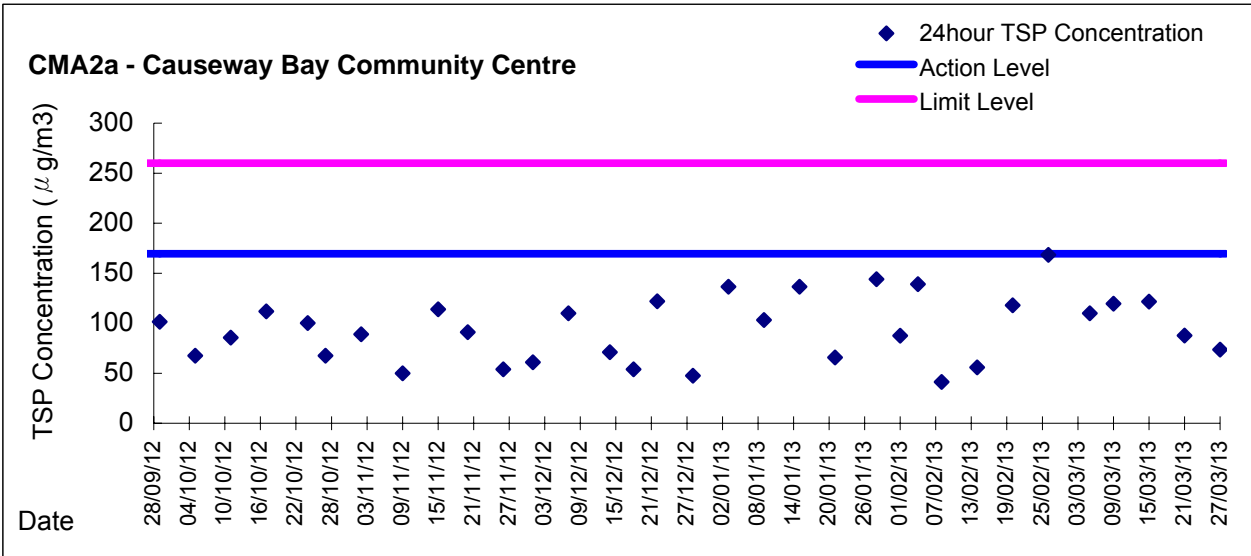


Graphic Presentation of 24 hour TSP Result



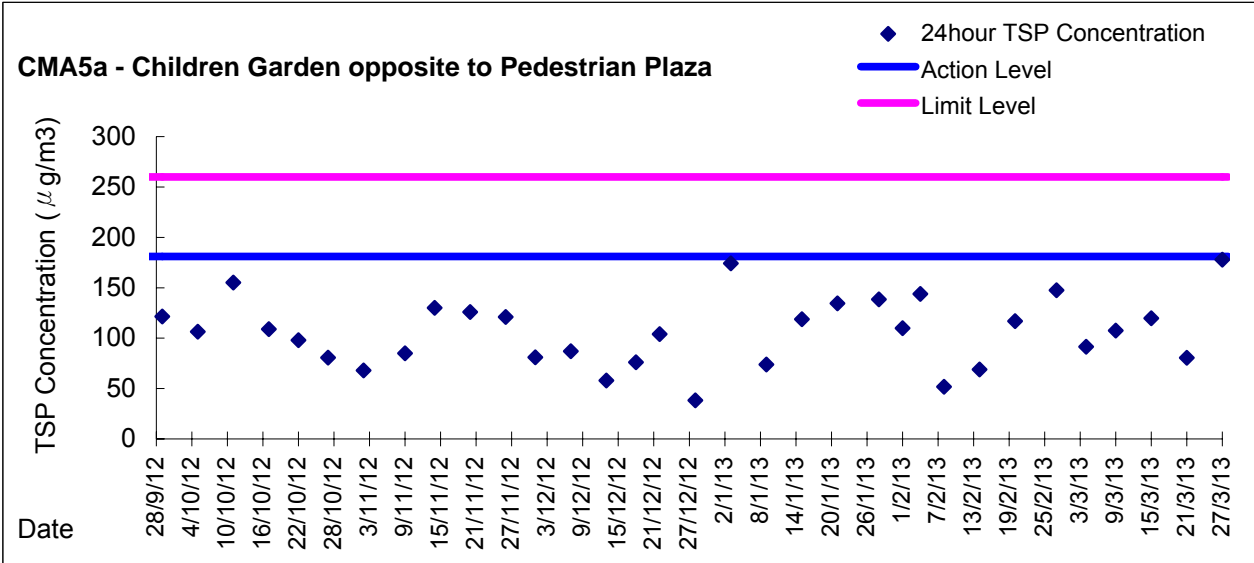


Graphic Presentation of 24 hour TSP Result





Graphic Presentation of 24 hour TSP Result





***Appendix 5.4***  
***Real Time Noise Monitoring Results and Graphical Presentations***

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
<u>Normal Day 07:00-19:00</u>		5/3/2013 12:01	63.7	9/3/2013 18:31	65.3	15/3/2013 13:01	65.5	21/3/2013 7:31	66.9	26/3/2013 14:01	70.5
28/2/2013 7:01	63.3	5/3/2013 12:31	64.9	11/3/2013 7:01	63.8	15/3/2013 13:31	65.9	21/3/2013 8:01	68.9	26/3/2013 14:31	70.2
28/2/2013 7:31	64.2	5/3/2013 13:01	68.5	11/3/2013 7:31	65.8	15/3/2013 14:01	65.3	21/3/2013 8:31	70.3	26/3/2013 15:01	69.5
28/2/2013 8:01	65.4	5/3/2013 13:31	71.3	11/3/2013 8:01	66.1	15/3/2013 14:31	65.4	21/3/2013 9:01	70.9	26/3/2013 15:31	69.7
28/2/2013 8:31	68.1	5/3/2013 14:01	70.1	11/3/2013 8:31	67.0	15/3/2013 15:01	66.4	21/3/2013 9:31	70.3	26/3/2013 16:01	70.8
28/2/2013 9:01	68.0	5/3/2013 14:31	69.3	11/3/2013 9:01	67.6	15/3/2013 15:31	66.7	21/3/2013 10:01	70.9	26/3/2013 16:31	70.9
28/2/2013 9:31	67.9	5/3/2013 15:01	68.3	11/3/2013 9:31	68.5	15/3/2013 16:01	66.3	21/3/2013 10:31	72.4	26/3/2013 17:01	71.3
28/2/2013 10:01	69.3	5/3/2013 15:31	67.0	11/3/2013 10:01	68.2	15/3/2013 16:31	66.6	21/3/2013 11:01	71.6	26/3/2013 17:31	69.7
28/2/2013 10:31	69.3	5/3/2013 16:01	69.4	11/3/2013 10:31	67.5	15/3/2013 17:01	66.7	21/3/2013 11:31	68.5	26/3/2013 18:01	68.5
28/2/2013 11:01	68.0	5/3/2013 16:31	69.9	11/3/2013 11:01	67.6	15/3/2013 17:31	66.9	21/3/2013 12:01	65.0	26/3/2013 18:31	67.0
28/2/2013 11:31	67.0	5/3/2013 17:01	69.1	11/3/2013 11:31	65.7	15/3/2013 18:01	66.1	21/3/2013 12:31	66.7	27/3/2013 7:01	66.9
28/2/2013 12:01	64.1	5/3/2013 17:31	67.1	11/3/2013 12:01	64.4	15/3/2013 18:31	63.2	21/3/2013 13:01	71.7	27/3/2013 7:31	68.5
28/2/2013 12:31	64.7	5/3/2013 18:01	66.6	11/3/2013 12:31	65.3	16/3/2013 7:01	62.4	21/3/2013 13:31	72.0	27/3/2013 8:01	68.5
28/2/2013 13:01	67.9	5/3/2013 18:31	65.0	11/3/2013 13:01	67.6	16/3/2013 7:31	64.0	21/3/2013 14:01	70.6	27/3/2013 8:31	69.8
28/2/2013 13:31	67.7	6/3/2013 7:01	64.6	11/3/2013 13:31	68.4	16/3/2013 8:01	64.8	21/3/2013 14:31	71.1	27/3/2013 9:01	69.8
28/2/2013 14:01	68.3	6/3/2013 7:31	66.0	11/3/2013 14:01	67.7	16/3/2013 8:31	65.7	21/3/2013 15:01	71.0	27/3/2013 9:31	70.8
28/2/2013 14:31	69.0	6/3/2013 8:01	67.5	11/3/2013 14:31	67.9	16/3/2013 9:01	66.2	21/3/2013 15:31	70.9	27/3/2013 10:01	71.6
28/2/2013 15:01	69.8	6/3/2013 8:31	68.3	11/3/2013 15:01	67.7	16/3/2013 9:31	65.9	21/3/2013 16:01	71.6	27/3/2013 10:31	71.7
28/2/2013 15:31	69.0	6/3/2013 9:01	70.0	11/3/2013 15:31	67.4	16/3/2013 10:01	65.7	21/3/2013 16:31	70.7	27/3/2013 11:01	70.8
28/2/2013 16:01	69.0	6/3/2013 9:31	71.4	11/3/2013 16:01	68.4	16/3/2013 10:31	66.0	21/3/2013 17:01	70.8	27/3/2013 11:31	68.8
28/2/2013 16:31	69.7	6/3/2013 10:01	69.8	11/3/2013 16:31	67.5	16/3/2013 11:01	65.7	21/3/2013 17:31	68.3	27/3/2013 12:01	66.8
28/2/2013 17:01	69.7	6/3/2013 10:31	69.6	11/3/2013 17:01	67.5	16/3/2013 11:31	64.7	21/3/2013 18:01	67.2	27/3/2013 12:31	65.4
28/2/2013 17:31	68.2	6/3/2013 11:01	69.7	11/3/2013 17:31	67.3	16/3/2013 12:01	62.7	21/3/2013 18:31	67.6	27/3/2013 13:01	70.6
28/2/2013 18:01	69.9	6/3/2013 11:31	67.7	11/3/2013 18:01	66.6	16/3/2013 12:31	63.3	22/3/2013 7:01	68.5	27/3/2013 13:31	70.4
28/2/2013 18:31	67.5	6/3/2013 12:01	65.6	11/3/2013 18:31	63.9	16/3/2013 13:01	65.3	22/3/2013 7:31	68.5	27/3/2013 14:01	70.4
1/3/2013 7:01	63.2	6/3/2013 12:31	65.0	12/3/2013 7:01	64.7	16/3/2013 13:31	66.9	22/3/2013 8:01	69.9	27/3/2013 14:31	71.1
1/3/2013 7:31	66.1	6/3/2013 13:01	66.8	12/3/2013 7:31	64.9	16/3/2013 14:01	67.5	22/3/2013 8:31	72.5	27/3/2013 15:01	71.3
1/3/2013 8:01	66.4	6/3/2013 13:31	68.0	12/3/2013 8:01	66.2	16/3/2013 14:31	66.9	22/3/2013 9:01	68.9	27/3/2013 15:31	69.5
1/3/2013 8:31	68.8	6/3/2013 14:01	68.9	12/3/2013 8:31	67.1	16/3/2013 15:01	67.3	22/3/2013 9:31	54.1	27/3/2013 16:01	71.0
1/3/2013 9:01	69.6	6/3/2013 14:31	68.7	12/3/2013 9:01	68.0	16/3/2013 15:31	65.9	22/3/2013 10:01	67.8	27/3/2013 16:31	70.1
1/3/2013 9:31	70.9	6/3/2013 15:01	67.2	12/3/2013 9:31	68.0	16/3/2013 16:01	66.9	22/3/2013 10:31	53.8	27/3/2013 17:01	69.9
1/3/2013 10:01	69.5	6/3/2013 15:31	66.1	12/3/2013 10:01	67.7	16/3/2013 16:31	67.2	22/3/2013 11:01	72.1	27/3/2013 17:31	68.6
1/3/2013 10:31	70.8	6/3/2013 16:01	67.4	12/3/2013 10:31	67.7	16/3/2013 17:01	67.3	22/3/2013 11:31	69.6	27/3/2013 18:01	66.7
1/3/2013 11:01	71.3	6/3/2013 16:31	67.9	12/3/2013 11:01	68.0	16/3/2013 17:31	66.2	22/3/2013 12:01	66.8	27/3/2013 18:31	65.4
1/3/2013 11:31	68.5	6/3/2013 17:01	67.4	12/3/2013 11:31	66.0	16/3/2013 18:01	65.0	22/3/2013 12:31	65.8		
1/3/2013 12:01	64.5	6/3/2013 17:31	66.1	12/3/2013 12:01	64.6	16/3/2013 18:31	63.0	22/3/2013 13:01	69.3	<u>Normal Day 19:00-23:00</u>	
1/3/2013 12:31	64.2	6/3/2013 18:01	65.7	12/3/2013 12:31	65.7	16/3/2013 19:01	63.8	22/3/2013 13:31	70.9	<u>Sunday &amp; Holiday</u>	
1/3/2013 13:01	70.3	6/3/2013 18:31	63.4	12/3/2013 13:01	66.5	16/3/2013 19:31	65.4	22/3/2013 14:01	71.5	<u>07:00-23:00</u>	
1/3/2013 13:31	70.0	7/3/2013 7:01	64.7	12/3/2013 13:31	67.2	16/3/2013 20:01	65.8	22/3/2013 14:31	69.5	28/2/2013 19:01	65.2
1/3/2013 14:01	68.2	7/3/2013 7:31	66.5	12/3/2013 14:01	67.2	16/3/2013 20:31	66.1	22/3/2013 15:01	70.6	28/2/2013 19:06	66.0
1/3/2013 14:31	68.7	7/3/2013 8:01	67.5	12/3/2013 14:31	67.8	16/3/2013 21:01	67.1	22/3/2013 15:31	70.7	28/2/2013 19:11	64.6
1/3/2013 15:01	66.9	7/3/2013 8:31	68.9	12/3/2013 15:01	67.5	16/3/2013 21:31	66.9	22/3/2013 16:01	72.1	28/2/2013 19:16	63.9
1/3/2013 15:31	69.2	7/3/2013 9:01	69.4	12/3/2013 15:31	66.5	16/3/2013 22:01	67.6	22/3/2013 16:31	70.9	28/2/2013 19:21	63.4
1/3/2013 16:01	68.8	7/3/2013 9:31	69.4	12/3/2013 16:01	65.7	16/3/2013 22:31	72.4	22/3/2013 17:01	70.8	28/2/2013 19:26	62.6
1/3/2013 16:31	69.0	7/3/2013 10:01	69.3	12/3/2013 16:31	65.8	16/3/2013 23:01	66.8	22/3/2013 17:31	67.9	28/2/2013 19:31	63.0
1/3/2013 17:01	68.6	7/3/2013 10:31	69.5	12/3/2013 17:01	65.3	16/3/2013 23:31	66.6	22/3/2013 18:01	66.7	28/2/2013 19:36	64.7
1/3/2013 17:31	68.9	7/3/2013 11:01	69.5	12/3/2013 17:31	65.1	16/3/2013 24:01	64.0	22/3/2013 18:31	64.7	28/2/2013 19:41	63.8
1/3/2013 18:01	67.5	7/3/2013 11:31	67.6	12/3/2013 18:01	64.9	16/3/2013 24:31	66.5	23/3/2013 7:01	64.4	28/2/2013 19:46	63.9
1/3/2013 18:31	64.8	7/3/2013 12:01	64.8	12/3/2013 18:31	63.5	16/3/2013 25:01	67.0	23/3/2013 7:31	65.8	28/2/2013 19:51	64.0
2/3/2013 7:01	62.4	7/3/2013 12:31	64.8	13/3/2013 7:01	63.9	16/3/2013 25:31	66.8	23/3/2013 8:01	69.4	28/2/2013 19:56	63.3
2/3/2013 7:31	65.4	7/3/2013 13:01	68.3	13/3/2013 7:31	66.0	16/3/2013 26:01	66.5	23/3/2013 8:31	70.7	28/2/2013 20:01	63.1
2/3/2013 8:01	67.2	7/3/2013 13:31	69.1	13/3/2013 8:01	65.9	16/3/2013 26:31	67.1	23/3/2013 9:01	69.4	28/2/2013 20:06	63.4
2/3/2013 8:31	68.3	7/3/2013 14:01	70.2	13/3/2013 8:31	66.3	16/3/2013 27:01	69.1	23/3/2013 9:31	70.0	28/2/2013 20:11	63.3
2/3/2013 9:01	67.7	7/3/2013 14:31	69.6	13/3/2013 9:01	67.3	16/3/2013 27:31	69.4	23/3/2013 10:01	70.2	28/2/2013 20:16	62.7
2/3/2013 9:31	68.5	7/3/2013 15:01	69.2	13/3/2013 9:31	67.7	16/3/2013 28:01	68.4	23/3/2013 10:31	70.6	28/2/2013 20:21	63.0
2/3/2013 10:01	69.9	7/3/2013 15:31	67.1	13/3/2013 10:01	66.8	16/3/2013 28:31	67.2	23/3/2013 11:01	71.2	28/2/2013 20:26	62.5
2/3/2013 10:31	67.8	7/3/2013 16:01	67.8	13/3/2013 10:31	66.7	16/3/2013 29:01	68.3	23/3/2013 11:31	68.7	28/2/2013 20:31	63.0
2/3/2013 11:01	68.5	7/3/2013 16:31	67.9	13/3/2013 11:01	66.1	16/3/2013 29:31	66.2	23/3/2013 12:01	66.4	28/2/2013 20:36	62.9
2/3/2013 11:31	68.0	7/3/2013 17:01	66.0	13/3/2013 11:31	65.2	16/3/2013 30:01	66.4	23/3/2013 12:31	66.0	28/2/2013 20:41	62.3
2/3/2013 12:01	64.4	7/3/2013 17:31	66.1	13/3/2013 12:01	64.3	16/3/2013 30:31	65.8	23/3/2013 13:01	70.0	28/2/2013 20:46	62.1
2/3/2013 12:31	65.4	7/3/2013 18:01	66.0	13/3/2013 12:31	65.5	16/3/2013 31:01	66.2	23/3/2013 13:31	70.6	28/2/2013 20:51	61.7
2/3/2013 13:01	67.7	7/3/2013 18:31	65.6	13/3/2013 13:01	66.6	16/3/2013 31:31	67.2	23/3/2013 14:01	70.5	28/2/2013 20:56	61.5
2/3/2013 13:31	68.8	8/3/2013 7:01	63.1	13/3/2013 13:31	66.4	16/3/2013 32:01	66.8	23/3/2013 14:31	70.4	28/2/2013 21:01	61.9
2/3/2013 14:01	69.1	8/3/2013 7:31	65.8	13/3/2013 14:01	67.5	16/3/2013 32:31	66.8	23/3/2013 15:01	70.1	28/2/2013 21:06	61.4
2/3/2013 14:31	68.9	8/3/2013 8:01	65.9	13/3/2013 14:31	66.6	16/3/2013 33:01	66.5	23/3/2013 15:31	68.5	28/2/2013 21:11	61.4
2/3/2013 15:01	68.9	8/3/2013 8:31	66.0	13/3/2013 15:01	66.0	16/3/2013 33:31	66.2	23/3/2013 16:01	71.0	28/2/2013 21:16	61.6
2/3/2013 15:31	68.1	8/3/2013 9:01	66.7	13/3/2013 15:31	65.7	16/3/2013 34:01	66.6	23/3/2013 16:31	69.9	28/2/2013 21:21	62.7
2											

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
1/3/2013 20:51	62.3	3/3/2013 9:56	63.8	3/3/2013 19:01	62.2	5/3/2013 20:06	67.0	7/3/2013 21:11	67.1	9/3/2013 22:16	61.7
1/3/2013 20:56	61.7	3/3/2013 10:01	63.6	3/3/2013 19:06	62.0	5/3/2013 20:11	62.8	7/3/2013 21:16	64.2	9/3/2013 22:21	61.4
1/3/2013 21:01	61.9	3/3/2013 10:06	62.7	3/3/2013 19:11	62.5	5/3/2013 20:16	62.7	7/3/2013 21:21	56.7	9/3/2013 22:26	62.2
1/3/2013 21:06	61.9	3/3/2013 10:11	62.5	3/3/2013 19:16	62.2	5/3/2013 20:21	62.5	7/3/2013 21:26	69.1	9/3/2013 22:31	61.5
1/3/2013 21:11	62.2	3/3/2013 10:16	65.2	3/3/2013 19:21	62.9	5/3/2013 20:26	62.7	7/3/2013 21:31	67.7	9/3/2013 22:36	61.6
1/3/2013 21:16	63.7	3/3/2013 10:21	63.1	3/3/2013 19:26	62.5	5/3/2013 20:31	62.8	7/3/2013 21:36	65.7	9/3/2013 22:41	61.9
1/3/2013 21:21	62.3	3/3/2013 10:26	63.2	3/3/2013 19:31	63.1	5/3/2013 20:36	63.1	7/3/2013 21:41	56.7	9/3/2013 22:46	62.3
1/3/2013 21:26	63.8	3/3/2013 10:31	63.7	3/3/2013 19:36	62.8	5/3/2013 20:41	62.9	7/3/2013 21:46	68.4	9/3/2013 22:51	62.4
1/3/2013 21:31	61.0	3/3/2013 10:36	62.7	3/3/2013 19:41	62.1	5/3/2013 20:46	62.4	7/3/2013 21:51	66.9	9/3/2013 22:56	63.1
1/3/2013 21:36	62.3	3/3/2013 10:41	63.8	3/3/2013 19:46	62.4	5/3/2013 20:51	61.9	7/3/2013 21:56	67.0	10/3/2013 7:01	60.1
1/3/2013 21:41	61.9	3/3/2013 10:46	65.2	3/3/2013 19:51	62.6	5/3/2013 20:56	61.9	7/3/2013 22:01	65.9	10/3/2013 7:06	60.6
1/3/2013 21:46	61.5	3/3/2013 10:51	63.3	3/3/2013 19:56	62.1	5/3/2013 21:01	62.2	7/3/2013 22:06	62.7	10/3/2013 7:11	60.8
1/3/2013 21:51	61.8	3/3/2013 10:56	63.0	3/3/2013 20:01	63.1	5/3/2013 21:06	62.2	7/3/2013 22:11	61.8	10/3/2013 7:16	66.9
1/3/2013 21:56	61.8	3/3/2013 11:01	63.1	3/3/2013 20:06	62.6	5/3/2013 21:11	62.5	7/3/2013 22:16	62.4	10/3/2013 7:21	64.0
1/3/2013 22:01	62.5	3/3/2013 11:06	65.4	3/3/2013 20:11	62.8	5/3/2013 21:16	62.2	7/3/2013 22:21	61.6	10/3/2013 7:26	62.5
1/3/2013 22:06	61.6	3/3/2013 11:11	67.4	3/3/2013 20:16	62.7	5/3/2013 21:21	62.7	7/3/2013 22:26	62.6	10/3/2013 7:31	62.9
1/3/2013 22:11	62.0	3/3/2013 11:16	65.1	3/3/2013 20:21	62.4	5/3/2013 21:26	62.3	7/3/2013 22:31	61.8	10/3/2013 7:36	61.5
1/3/2013 22:16	63.1	3/3/2013 11:21	65.4	3/3/2013 20:26	62.6	5/3/2013 21:31	63.0	7/3/2013 22:36	62.6	10/3/2013 7:41	61.7
1/3/2013 22:21	62.3	3/3/2013 11:26	64.9	3/3/2013 20:31	62.6	5/3/2013 21:36	62.9	7/3/2013 22:41	62.9	10/3/2013 7:46	61.0
1/3/2013 22:26	62.1	3/3/2013 11:31	66.2	3/3/2013 20:36	62.2	5/3/2013 21:41	63.3	7/3/2013 22:46	61.7	10/3/2013 7:51	61.5
1/3/2013 22:31	61.8	3/3/2013 11:36	66.2	3/3/2013 20:41	62.1	5/3/2013 21:46	62.4	7/3/2013 22:51	63.1	10/3/2013 7:56	62.0
1/3/2013 22:36	61.5	3/3/2013 11:41	64.7	3/3/2013 20:46	62.6	5/3/2013 21:51	61.5	7/3/2013 22:56	62.1	10/3/2013 8:01	62.3
1/3/2013 22:41	61.9	3/3/2013 11:46	65.5	3/3/2013 20:51	63.0	5/3/2013 21:56	62.9	8/3/2013 19:01	62.9	10/3/2013 8:06	63.5
1/3/2013 22:46	62.1	3/3/2013 11:51	63.9	3/3/2013 20:56	62.3	5/3/2013 22:01	62.5	8/3/2013 19:06	63.5	10/3/2013 8:11	64.0
1/3/2013 22:51	62.4	3/3/2013 11:56	64.0	3/3/2013 21:01	62.5	5/3/2013 22:06	61.6	8/3/2013 19:11	62.8	10/3/2013 8:16	63.6
1/3/2013 22:56	62.3	3/3/2013 12:01	63.3	3/3/2013 21:06	63.1	5/3/2013 22:11	63.7	8/3/2013 19:16	63.4	10/3/2013 8:21	63.4
2/3/2013 19:01	61.8	3/3/2013 12:06	63.3	3/3/2013 21:11	62.4	5/3/2013 22:16	62.0	8/3/2013 19:21	63.7	10/3/2013 8:26	64.3
2/3/2013 19:06	62.1	3/3/2013 12:11	61.6	3/3/2013 21:16	62.3	5/3/2013 22:21	62.0	8/3/2013 19:26	63.3	10/3/2013 8:31	64.1
2/3/2013 19:11	62.4	3/3/2013 12:16	62.0	3/3/2013 21:21	62.9	5/3/2013 22:26	62.4	8/3/2013 19:31	62.7	10/3/2013 8:36	65.4
2/3/2013 19:16	62.4	3/3/2013 12:21	62.7	3/3/2013 21:26	63.8	5/3/2013 22:31	61.7	8/3/2013 19:36	62.8	10/3/2013 8:41	63.7
2/3/2013 19:21	63.7	3/3/2013 12:26	62.0	3/3/2013 21:31	62.0	5/3/2013 22:36	61.4	8/3/2013 19:41	62.4	10/3/2013 8:46	64.5
2/3/2013 19:26	62.7	3/3/2013 12:31	62.4	3/3/2013 21:36	62.3	5/3/2013 22:41	62.3	8/3/2013 19:46	63.1	10/3/2013 8:51	64.7
2/3/2013 19:31	63.2	3/3/2013 12:36	62.1	3/3/2013 21:41	62.8	5/3/2013 22:46	61.2	8/3/2013 19:51	62.6	10/3/2013 8:56	65.3
2/3/2013 19:36	63.1	3/3/2013 12:41	62.0	3/3/2013 21:46	62.9	5/3/2013 22:51	61.6	8/3/2013 19:56	62.8	10/3/2013 9:01	65.7
2/3/2013 19:41	62.4	3/3/2013 12:46	62.1	3/3/2013 21:51	62.1	5/3/2013 22:56	61.6	8/3/2013 20:01	63.9	10/3/2013 9:06	65.4
2/3/2013 19:46	63.8	3/3/2013 12:51	61.7	3/3/2013 21:56	61.8	6/3/2013 19:01	61.9	8/3/2013 20:06	63.7	10/3/2013 9:11	65.2
2/3/2013 19:51	62.9	3/3/2013 12:56	61.8	3/3/2013 22:01	62.2	6/3/2013 19:06	62.4	8/3/2013 20:11	63.1	10/3/2013 9:16	65.7
2/3/2013 19:56	62.3	3/3/2013 13:01	62.5	3/3/2013 22:06	62.2	6/3/2013 19:11	62.2	8/3/2013 20:16	62.9	10/3/2013 9:21	64.8
2/3/2013 20:01	62.2	3/3/2013 13:06	62.6	3/3/2013 22:11	64.1	6/3/2013 19:16	62.8	8/3/2013 20:21	63.2	10/3/2013 9:26	64.7
2/3/2013 20:06	62.7	3/3/2013 13:11	63.0	3/3/2013 22:16	62.1	6/3/2013 19:21	63.1	8/3/2013 20:26	62.7	10/3/2013 9:31	65.4
2/3/2013 20:11	61.9	3/3/2013 13:16	63.9	3/3/2013 22:21	62.8	6/3/2013 19:26	63.3	8/3/2013 20:31	63.3	10/3/2013 9:36	64.6
2/3/2013 20:16	61.8	3/3/2013 13:21	63.1	3/3/2013 22:26	61.8	6/3/2013 19:31	61.9	8/3/2013 20:36	61.9	10/3/2013 9:41	65.2
2/3/2013 20:21	62.6	3/3/2013 13:26	62.4	3/3/2013 22:31	62.1	6/3/2013 19:36	62.7	8/3/2013 20:41	63.1	10/3/2013 9:46	65.6
2/3/2013 20:26	63.4	3/3/2013 13:31	62.4	3/3/2013 22:36	62.1	6/3/2013 19:41	62.1	8/3/2013 20:46	61.8	10/3/2013 9:51	65.8
2/3/2013 20:31	62.5	3/3/2013 13:36	64.0	3/3/2013 22:41	63.5	6/3/2013 19:46	62.8	8/3/2013 20:51	62.4	10/3/2013 9:56	66.3
2/3/2013 20:36	61.7	3/3/2013 13:41	62.3	3/3/2013 22:46	61.3	6/3/2013 19:51	62.6	8/3/2013 20:56	61.7	10/3/2013 10:01	65.3
2/3/2013 20:41	62.0	3/3/2013 13:46	62.0	3/3/2013 22:51	61.9	6/3/2013 19:56	63.1	8/3/2013 21:01	62.5	10/3/2013 10:06	68.0
2/3/2013 20:46	62.1	3/3/2013 13:51	63.0	3/3/2013 22:56	62.1	6/3/2013 20:01	63.2	8/3/2013 21:06	62.1	10/3/2013 10:11	68.0
2/3/2013 20:51	61.5	3/3/2013 13:56	62.4	4/3/2013 19:01	63.5	6/3/2013 20:06	63.1	8/3/2013 21:11	62.2	10/3/2013 10:16	67.2
2/3/2013 20:56	64.6	3/3/2013 14:01	62.6	4/3/2013 19:06	64.1	6/3/2013 20:11	62.2	8/3/2013 21:16	62.2	10/3/2013 10:21	68.1
2/3/2013 21:01	62.0	3/3/2013 14:06	63.0	4/3/2013 19:11	64.8	6/3/2013 20:16	62.5	8/3/2013 21:21	61.6	10/3/2013 10:26	68.2
2/3/2013 21:06	61.6	3/3/2013 14:11	63.7	4/3/2013 19:16	65.1	6/3/2013 20:21	62.2	8/3/2013 21:26	63.0	10/3/2013 10:31	68.3
2/3/2013 21:11	62.0	3/3/2013 14:16	62.8	4/3/2013 19:21	64.9	6/3/2013 20:26	62.4	8/3/2013 21:31	63.3	10/3/2013 10:36	57.4
2/3/2013 21:16	61.7	3/3/2013 14:21	63.0	4/3/2013 19:26	62.8	6/3/2013 20:31	62.7	8/3/2013 21:36	62.1	10/3/2013 10:41	69.4
2/3/2013 21:21	62.3	3/3/2013 14:26	64.5	4/3/2013 19:31	62.7	6/3/2013 20:36	62.6	8/3/2013 21:41	64.6	10/3/2013 10:46	63.9
2/3/2013 21:26	61.9	3/3/2013 14:31	62.8	4/3/2013 19:36	62.9	6/3/2013 20:41	63.2	8/3/2013 21:46	63.6	10/3/2013 10:51	58.0
2/3/2013 21:31	61.4	3/3/2013 14:36	63.4	4/3/2013 19:41	63.7	6/3/2013 20:46	62.5	8/3/2013 21:51	63.2	10/3/2013 10:56	64.1
2/3/2013 21:36	62.2	3/3/2013 14:41	63.5	4/3/2013 19:46	63.4	6/3/2013 20:51	63.5	8/3/2013 21:56	62.4	10/3/2013 11:01	67.1
2/3/2013 21:41	61.3	3/3/2013 14:46	63.4	4/3/2013 19:51	62.9	6/3/2013 20:56	62.0	8/3/2013 22:01	62.9	10/3/2013 11:06	66.5
2/3/2013 21:46	62.2	3/3/2013 14:51	63.6	4/3/2013 19:56	62.7	6/3/2013 21:01	62.2	8/3/2013 22:06	63.1	10/3/2013 11:11	67.8
2/3/2013 21:51	62.1	3/3/2013 14:56	63.8	4/3/2013 20:01	62.9	6/3/2013 21:06	61.4	8/3/2013 22:11	63.9	10/3/2013 11:16	66.2
2/3/2013 21:56	62.2	3/3/2013 15:01	63.0	4/3/2013 20:06	62.0	6/3/2013 21:11	61.3	8/3/2013 22:16	63.7	10/3/2013 11:21	65.3
2/3/2013 22:01	62.5	3/3/2013 15:06	63.0	4/3/2013 20:11	62.6	6/3/2013 21:16	63.5	8/3/2013 22:21	64.8	10/3/2013 11:26	66.1
2/3/2013 22:06	62.1	3/3/2013 15:11	63.3	4/3/2013 20:16	62.8	6/3/2013 21:21	62.0	8/3/2013 22:26	63.0	10/3/2013 11:31	64.7
2/3/2013 22:11	62.2	3/3/2013 15:16	63.6	4/3/2013 20:21	62.8	6/3/2013 21:26	62.0	8/3/2013 22:31	62.7	10/3/2013 11:36	64.2
2/3/2013 22:16	62.6	3/3/2013 15:21	62.8	4/3/2013 20:26	62.5	6/3/2013 21:31	62.0	8/3/2013 22:36	61.5	10/3/2013 11:41	64.8
2/3/2013 22:21	62.9	3/3/2013 15:26	63.1	4/3/2013 20:31	62.6	6/3/2013 21:36	61.9	8/3/2013 22:41	62.0	10/3/2013 11:46	64.9
2/3/2013 22:26	61.7	3/3/2013 15:31	62.4	4/3/2013 20:36	63.3	6/3/2013 21:41	62.7	8/3/2013 22:46	61.8	10/3/2013 11:51	64.1
2/3/2013 22:31	62.3	3/3/2013 15:36	63.2	4/3/2013 20:41	63.7	6/3/2013 21:46	61.9	8/3/2013 22:51	62.0	10/3/2013 11:56	63.6
2/3/2013 22:36	61.9	3/3/2013 15:41	62.9	4/3/2013 20:46	65.2	6/3/2013 21:51	62.2	8/3/2013 22:56	62.3	10/3/2013 12:01	62.8
2/3/2013 22:41	61.9	3/3/2013 15:46	62.1	4/3/2013 20:51	65.1	6/3/2013 21:56	61.4	9/3/2013 19:01	62.6	10/3/2013 12:06	6



Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)										
10/3/2013 15:21	64.6	11/3/2013 20:26	62.8	13/3/2013 21:31	61.2	15/3/2013 22:36	60.8	17/3/2013 11:41	62.4	17/3/2013 20:46	60.6
10/3/2013 15:26	64.8	11/3/2013 20:31	62.8	13/3/2013 21:36	61.8	15/3/2013 22:41	60.9	17/3/2013 11:46	64.2	17/3/2013 20:51	60.7
10/3/2013 15:31	64.2	11/3/2013 20:36	62.6	13/3/2013 21:41	61.1	15/3/2013 22:46	60.6	17/3/2013 11:51	62.2	17/3/2013 20:56	60.3
10/3/2013 15:36	62.9	11/3/2013 20:41	62.0	13/3/2013 21:46	60.4	15/3/2013 22:51	60.8	17/3/2013 11:56	62.1	17/3/2013 21:01	61.1
10/3/2013 15:41	62.9	11/3/2013 20:46	61.6	13/3/2013 21:51	60.9	15/3/2013 22:56	61.2	17/3/2013 12:01	62.4	17/3/2013 21:06	60.8
10/3/2013 15:46	62.4	11/3/2013 20:51	62.1	13/3/2013 21:56	60.9	15/3/2013 23:01	60.8	17/3/2013 12:06	63.1	17/3/2013 21:11	60.6
10/3/2013 15:51	62.9	11/3/2013 20:56	61.6	13/3/2013 22:01	61.2	15/3/2013 23:06	61.3	17/3/2013 12:11	61.9	17/3/2013 21:16	61.6
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10/3/2013 20:41	60.9	12/3/2013 21:46	60.9	14/3/2013 22:51	60.8	15/3/2013 27:56	60.6	17/3/2013 17:01	62.7	18/3/2013 22:06	63.4
10/3/2013 20:46	61.7	12/3/2013 21:51	61.5	14/3/2013 22:56	60.6	15/3/2013 28:01	60.3	17/3/2013 17:06	62.4	18/3/2013 22:11	63.6
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10/3/2013 20:56	64.1	12/3/2013 22:01	60.5	15/3/2013 19:06	61.5	15/3/2013 28:11	62.3	17/3/2013 17:16	64.7	18/3/2013 22:21	62.3
10/3/2013 21:01	61.3	12/3/2013 22:06	60.6	15/3/2013 19:11	61.1	15/3/2013 28:16	62.5	17/3/2013			

Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)										
19/3/2013 21:51	66.7	21/3/2013 22:56	63.4	24/3/2013 8:01	62.3	24/3/2013 17:06	66.0	25/3/2013 22:11	63.5	28/2/2013 0:06	61.0
19/3/2013 21:56	66.9	22/3/2013 19:01	63.5	24/3/2013 8:06	63.1	24/3/2013 17:11	65.8	25/3/2013 22:16	63.2	28/2/2013 0:11	61.1
19/3/2013 22:01	66.7	22/3/2013 19:06	63.0	24/3/2013 8:11	63.6	24/3/2013 17:16	66.3	25/3/2013 22:21	63.0	28/2/2013 0:16	60.0
19/3/2013 22:06	66.6	22/3/2013 19:11	62.1	24/3/2013 8:16	64.2	24/3/2013 17:21	66.1	25/3/2013 22:26	63.9	28/2/2013 0:21	61.0
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19/3/2013 22:16	66.7	22/3/2013 19:21	62.7	24/3/2013 8:26	65.2	24/3/2013 17:31	66.6	25/3/2013 22:36	63.0	28/2/2013 0:31	61.1
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19/3/2013 22:26	65.8	22/3/2013 19:31	62.6	24/3/2013 8:36	65.9	24/3/2013 17:41	65.5	25/3/2013 22:46	62.4	28/2/2013 0:41	60.1
19/3/2013 22:31	66.0	22/3/2013 19:36	61.9	24/3/2013 8:41	66.4	24/3/2013 17:46	66.0	25/3/2013 22:51	62.9	28/2/2013 0:46	60.3
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19/3/2013 22:56	63.1	22/3/2013 20:01	63.4	24/3/2013 9:06	67.0	24/3/2013 18:11	65.8	26/3/2013 19:16	65.5	28/2/2013 1:11	58.4
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20/3/2013 19:36	68.3	22/3/2013 20:41	65.4	24/3/2013 9:46	66.5	24/3/2013 18:51	62.8	26/3/2013 19:56	66.4	28/2/2013 1:51	57.9
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20/3/2013 21:16	66.4	22/3/2013 22:21	63.4	24/3/2013 11:26	66.7	24/3/2013 20:31	63.6	26/3/2013 21:36	66.0	28/2/2013 3:31	56.8
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20/3/2013 22:46	62.6	23/3/2013 19:51	63.6	24/3/2013 12:56	65.1	24/3/2013 22:01	62.9	27/3/2013 19:06	65.4	28/2/2013 5:01	56.2
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20/3/2013 22:56	62.7	23/3/2013 20:01	63.0	24/3/2013 13:06	65.8	24/3/2013 22:11	62.4	27/3/2013 19:16	64.9	28/2/2013 5:11	55.6
21/3/2013 19:01	67.3	23/3/2013 20:06	63.5	24/3/2013 13:11	65.8	24/3/2013 22:16	62.1	27/3/2013 19:21	65.1	28/2/2013 5:16	57.0
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21/3/2013 19:31	67.1	23/3/2013 20:36	65.5	24/3/2013 13:41	67.5	24/3/2013 22:46	61.8	27/3/2013 19:51	65.7	28/2/2013 5:46	58.7
21/3/2013 19:36	67.4	23/3/2013 2									

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
1/3/2013 1:11	58.5	2/3/2013 2:16	59.1	3/3/2013 3:21	59.0	4/3/2013 4:26	55.8	5/3/2013 5:31	58.0	6/3/2013 6:36	53.4
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1/3/2013 1:41	58.4	2/3/2013 2:46	59.0	3/3/2013 3:51	58.5	4/3/2013 4:56	56.4	5/3/2013 6:01	59.7	6/3/2013 23:06	49.8
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1/3/2013 1:51	57.0	2/3/2013 2:56	58.2	3/3/2013 4:01	57.3	4/3/2013 5:06	57.8	5/3/2013 6:11	60.0	6/3/2013 23:16	61.8
1/3/2013 1:56	58.4	2/3/2013 3:01	58.1	3/3/2013 4:06	58.6	4/3/2013 5:11	57.8	5/3/2013 6:16	59.7	6/3/2013 23:21	53.6
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1/3/2013 2:16	57.3	2/3/2013 3:21	58.3	3/3/2013 4:26	57.9	4/3/2013 5:31	57.6	5/3/2013 6:36	61.4	6/3/2013 23:41	60.9
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1/3/2013 3:56	56.3	2/3/2013 5:01	57.7	3/3/2013 6:06	59.1	4/3/2013 23:11	61.1	6/3/2013 0:16	61.0	7/3/2013 1:21	58.8
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1/3/2013 6:56	53.0	3/3/2013 0:01	61.8	4/3/2013 1:06	58.3	5/3/2013 2:11	56.4	6/3/2013 3:16	56.7	7/3/2013 4:21	56.3
1/3/2013 23:01	47.9	3/3/2013 0:06	49.6	4/3/2013 1:11	58.6	5/3/2013 2:16	57.8	6/3/2013 3:21	57.5	7/3/2013 4:26	56.2
1/3/2013 23:06	61.6	3/3/2013 0:11	61.8	4/3/2013 1:16	58.5	5/3/2013 2:21	57.5	6/3/2013 3:26	57.3	7/3/2013 4:31	56.1
1/3/2013 23:11	61.7	3/3/2013 0:16	56.4	4/3/2013 1:21	60.7	5/3/2013 2:26	58.6	6/3/2013 3:31	58.5	7/3/2013 4:36	55.8
1/3/2013 23:16	45.6	3/3/2013 0:2									

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
7/3/2013 23:41	60.9	9/3/2013 0:46	54.7	10/3/2013 1:51	59.5	11/3/2013 2:56	54.9	12/3/2013 4:01	55.4	13/3/2013 5:06	56.1
7/3/2013 23:46	61.0	9/3/2013 0:51	57.8	10/3/2013 1:56	58.9	11/3/2013 3:01	55.9	12/3/2013 4:06	56.6	13/3/2013 5:11	56.8
7/3/2013 23:51	60.7	9/3/2013 0:56	50.7	10/3/2013 2:01	60.3	11/3/2013 3:06	57.4	12/3/2013 4:11	55.6	13/3/2013 5:16	55.8
7/3/2013 23:56	60.6	9/3/2013 1:01	47.1	10/3/2013 2:06	59.5	11/3/2013 3:11	55.6	12/3/2013 4:16	54.6	13/3/2013 5:21	57.9
8/3/2013 0:01	60.3	9/3/2013 1:06	57.0	10/3/2013 2:11	59.0	11/3/2013 3:16	54.6	12/3/2013 4:21	56.0	13/3/2013 5:26	57.1
8/3/2013 0:06	54.5	9/3/2013 1:11	58.8	10/3/2013 2:16	59.0	11/3/2013 3:21	56.3	12/3/2013 4:26	55.4	13/3/2013 5:31	57.3
8/3/2013 0:11	60.6	9/3/2013 1:16	35.5	10/3/2013 2:21	59.1	11/3/2013 3:26	55.3	12/3/2013 4:31	55.2	13/3/2013 5:36	57.1
8/3/2013 0:16	60.6	9/3/2013 1:21	52.4	10/3/2013 2:26	59.4	11/3/2013 3:31	56.1	12/3/2013 4:36	55.6	13/3/2013 5:41	57.2
8/3/2013 0:21	60.0	9/3/2013 1:26	48.4	10/3/2013 2:31	59.9	11/3/2013 3:36	56.2	12/3/2013 4:41	56.0	13/3/2013 5:46	57.2
8/3/2013 0:26	60.5	9/3/2013 1:31	61.7	10/3/2013 2:36	59.1	11/3/2013 3:41	55.9	12/3/2013 4:46	56.1	13/3/2013 5:51	58.0
8/3/2013 0:31	60.9	9/3/2013 1:36	49.8	10/3/2013 2:41	59.0	11/3/2013 3:46	55.6	12/3/2013 4:51	55.9	13/3/2013 5:56	58.7
8/3/2013 0:36	60.5	9/3/2013 1:41	52.3	10/3/2013 2:46	59.6	11/3/2013 3:51	54.8	12/3/2013 4:56	56.3	13/3/2013 6:01	58.5
8/3/2013 0:41	60.1	9/3/2013 1:46	61.4	10/3/2013 2:51	59.6	11/3/2013 3:56	55.7	12/3/2013 5:01	56.5	13/3/2013 6:06	58.5
8/3/2013 0:46	59.8	9/3/2013 1:51	61.2	10/3/2013 2:56	58.7	11/3/2013 4:01	54.7	12/3/2013 5:06	56.4	13/3/2013 6:11	57.8
8/3/2013 0:51	60.1	9/3/2013 1:56	60.6	10/3/2013 3:01	58.5	11/3/2013 4:06	56.5	12/3/2013 5:11	56.6	13/3/2013 6:16	58.5
8/3/2013 0:56	59.6	9/3/2013 2:01	60.2	10/3/2013 3:06	58.8	11/3/2013 4:11	55.0	12/3/2013 5:16	56.8	13/3/2013 6:21	59.8
8/3/2013 1:01	59.0	9/3/2013 2:06	59.3	10/3/2013 3:11	58.8	11/3/2013 4:16	55.5	12/3/2013 5:21	56.7	13/3/2013 6:26	59.6
8/3/2013 1:06	59.7	9/3/2013 2:11	59.9	10/3/2013 3:16	57.9	11/3/2013 4:21	56.0	12/3/2013 5:26	57.2	13/3/2013 6:31	60.4
8/3/2013 1:11	59.2	9/3/2013 2:16	60.0	10/3/2013 3:21	58.4	11/3/2013 4:26	55.8	12/3/2013 5:31	57.1	13/3/2013 6:36	60.0
8/3/2013 1:16	59.7	9/3/2013 2:21	59.5	10/3/2013 3:26	58.7	11/3/2013 4:31	55.3	12/3/2013 5:36	56.9	13/3/2013 6:41	61.2
8/3/2013 1:21	58.8	9/3/2013 2:26	59.5	10/3/2013 3:31	58.4	11/3/2013 4:36	56.1	12/3/2013 5:41	57.9	13/3/2013 6:46	50.4
8/3/2013 1:26	59.0	9/3/2013 2:31	58.8	10/3/2013 3:36	58.6	11/3/2013 4:41	55.8	12/3/2013 5:46	58.5	13/3/2013 6:51	48.6
8/3/2013 1:31	58.3	9/3/2013 2:36	59.1	10/3/2013 3:41	57.8	11/3/2013 4:46	56.9	12/3/2013 5:51	57.9	13/3/2013 6:56	52.8
8/3/2013 1:36	58.6	9/3/2013 2:41	59.4	10/3/2013 3:46	57.8	11/3/2013 4:51	55.6	12/3/2013 5:56	58.6	13/3/2013 7:01	60.2
8/3/2013 1:41	57.7	9/3/2013 2:46	59.0	10/3/2013 3:51	57.4	11/3/2013 4:56	57.3	12/3/2013 6:01	58.7	13/3/2013 7:06	59.9
8/3/2013 1:46	58.7	9/3/2013 2:51	59.7	10/3/2013 3:56	57.5	11/3/2013 5:01	56.1	12/3/2013 6:06	59.4	13/3/2013 7:11	60.2
8/3/2013 1:51	57.6	9/3/2013 2:56	60.1	10/3/2013 4:01	57.8	11/3/2013 5:06	55.6	12/3/2013 6:11	58.0	13/3/2013 7:16	52.8
8/3/2013 1:56	58.2	9/3/2013 3:01	58.6	10/3/2013 4:06	57.0	11/3/2013 5:11	56.9	12/3/2013 6:16	58.8	13/3/2013 7:21	60.9
8/3/2013 2:01	58.2	9/3/2013 3:06	59.5	10/3/2013 4:11	57.3	11/3/2013 5:16	57.5	12/3/2013 6:21	60.8	13/3/2013 7:26	60.3
8/3/2013 2:06	57.7	9/3/2013 3:11	59.4	10/3/2013 4:16	58.2	11/3/2013 5:21	56.3	12/3/2013 6:26	60.7	13/3/2013 7:31	60.3
8/3/2013 2:11	58.5	9/3/2013 3:16	59.0	10/3/2013 4:21	57.7	11/3/2013 5:26	57.1	12/3/2013 6:31	60.5	13/3/2013 7:36	61.1
8/3/2013 2:16	57.5	9/3/2013 3:21	58.0	10/3/2013 4:26	57.8	11/3/2013 5:31	56.5	12/3/2013 6:36	60.8	13/3/2013 7:41	60.1
8/3/2013 2:21	57.6	9/3/2013 3:26	59.3	10/3/2013 4:31	57.8	11/3/2013 5:36	57.7	12/3/2013 6:41	61.7	13/3/2013 7:46	60.0
8/3/2013 2:26	57.3	9/3/2013 3:31	59.7	10/3/2013 4:36	57.3	11/3/2013 5:41	58.0	12/3/2013 6:46	52.1	13/3/2013 7:51	60.4
8/3/2013 2:31	58.3	9/3/2013 3:36	58.9	10/3/2013 4:41	57.4	11/3/2013 5:46	58.0	12/3/2013 6:51	55.5	13/3/2013 7:56	59.9
8/3/2013 2:36	58.6	9/3/2013 3:41	58.3	10/3/2013 4:46	57.0	11/3/2013 5:51	59.3	12/3/2013 6:56	58.3	14/3/2013 0:01	59.2
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8/3/2013 2:51	56.8	9/3/2013 3:56	58.7	10/3/2013 5:01	57.2	11/3/2013 6:06	59.5	12/3/2013 7:11	60.5	14/3/2013 0:16	59.5
8/3/2013 2:56	57.0	9/3/2013 4:01	58.6	10/3/2013 5:06	57.8	11/3/2013 6:11	59.7	12/3/2013 7:16	61.0	14/3/2013 0:21	59.6
8/3/2013 3:01	56.3	9/3/2013 4:06	58.7	10/3/2013 5:11	57.2	11/3/2013 6:16	59.2	12/3/2013 7:21	60.1	14/3/2013 0:26	58.8
8/3/2013 3:06	56.7	9/3/2013 4:11	57.9	10/3/2013 5:16	57.9	11/3/2013 6:21	59.7	12/3/2013 7:26	60.2	14/3/2013 0:31	58.8
8/3/2013 3:11	56.5	9/3/2013 4:16	58.4	10/3/2013 5:21	57.3	11/3/2013 6:26	61.6	12/3/2013 7:31	60.6	14/3/2013 0:36	57.6
8/3/2013 3:16	57.0	9/3/2013 4:21	58.3	10/3/2013 5:26	57.2	11/3/2013 6:31	60.7	12/3/2013 7:36	60.1	14/3/2013 0:41	58.3
8/3/2013 3:21	56.8	9/3/2013 4:26	58.4	10/3/2013 5:31	57.6	11/3/2013 6:36	61.3	12/3/2013 7:41	59.9	14/3/2013 0:46	58.8
8/3/2013 3:26	57.7	9/3/2013 4:31	58.3	10/3/2013 5:36	58.9	11/3/2013 6:41	52.7	12/3/2013 7:46	60.3	14/3/2013 0:51	59.2
8/3/2013 3:31	57.2	9/3/2013 4:36	58.7	10/3/2013 5:41	58.0	11/3/2013 6:46	46.4	12/3/2013 7:51	60.0	14/3/2013 0:56	57.5
8/3/2013 3:36	56.2	9/3/2013 4:41	58.3	10/3/2013 5:46	58.2	11/3/2013 6:51	55.0	12/3/2013 7:56	61.0	14/3/2013 1:01	57.3
8/3/2013 3:41	56.6	9/3/2013 4:46	57.6	10/3/2013 5:51	58.6	11/3/2013 6:56	56.3	13/3/2013 0:01	59.7	14/3/2013 1:06	58.0
8/3/2013 3:46	56.4	9/3/2013 4:51	58.1	10/3/2013 5:56	57.4	11/3/2013 7:01	61.7	13/3/2013 0:06	59.7	14/3/2013 1:11	57.3
8/3/2013 3:51	56.8	9/3/2013 4:56	59.0	10/3/2013 6:01	57.9	11/3/2013 7:06	61.5	13/3/2013 0:11	59.7	14/3/2013 1:16	58.1
8/3/2013 3:56	56.1	9/3/2013 5:01	58.9	10/3/2013 6:06	58.3	11/3/2013 7:11	47.1	13/3/2013 0:16	59.7	14/3/2013 1:21	60.2
8/3/2013 4:01	56.9	9/3/2013 5:06	59.3	10/3/2013 6:11	58.5	11/3/2013 7:16	60.1	13/3/2013 0:21	59.6	14/3/2013 1:26	61.6
8/3/2013 4:06	56.2	9/3/2013 5:11	59.0	10/3/2013 6:16	58.9	11/3/2013 7:21	61.2	13/3/2013 0:26	60.1	14/3/2013 1:31	58.7
8/3/2013 4:11	55.2	9/3/2013 5:16	58.7	10/3/2013 6:21	58.7	11/3/2013 7:26	61.5	13/3/2013 0:31	59.5	14/3/2013 1:36	58.1
8/3/2013 4:16	55.5	9/3/2013 5:21	58.2	10/3/2013 6:26	60.7	11/3/2013 7:31	61.8	13/3/2013 0:36	59.0	14/3/2013 1:41	57.4
8/3/2013 4:21	56.3	9/3/2013 5:26	58.6	10/3/2013 6:31	59.7	11/3/2013 7:36	61.3	13/3/2013 0:41	59.9	14/3/2013 1:46	56.9
8/3/2013 4:26	55.6	9/3/2013 5:31	58.3	10/3/2013 6:36	60.5	11/3/2013 7:41	61.3	13/3/2013 0:46	58.7	14/3/2013 1:51	56.6
8/3/2013 4:31	56.2	9/3/2013 5:36	59.1	10/3/2013 6:41	61.5	11/3/2013 7:46	60.2	13/3/2013 0:51	58.7	14/3/2013 1:56	56.6
8/3/2013 4:36	56.6	9/3/2013 5:41	60.5	10/3/2013 6:46	61.9	11/3/2013 7:51	60.9	13/3/2013 0:56	58.3	14/3/2013 2:01	56.7
8/3/2013 4:41	56.3	9/3/2013 5:46	59.4	10/3/2013 6:51	55.1	11/3/2013 7:56	61.2	13/3/2013 1:01	60.2	14/3/2013 2:06	56.3
8/3/2013 4:46	55.5	9/3/2013 5:51	60.5	10/3/2013 6:56	62.4	12/3/2013 0:01	60.7	13/3/2013 1:06	57.8	14/3/2013 2:11	55.8
8/3/2013 4:51	55.4	9/3/2013 5:56	59.6	10/3/2013 7:01	53.2	12/3/2013 0:06	59.9	13/3/2013 1:11	58.3	14/3/2013 2:16	56.4
8/3/2013 4:56	56.5	9/3/2013 6:01	61.0	10/3/2013 7:06	60.7	12/3/2013 0:11	60.8	13/3/2013 1:16	57.5	14/3/2013 2:21	56.2
8/3/2013 5:01	57.1	9/3/2013 6:06	60.5	10/3/2013 7:11	60.3	12/3/2013 0:16	60.1	13/3/2013 1:21	58.0	14/3/2013 2:26	55.1
8/3/2013 5:06	56.8	9/3/2013 6:11	60.8	10/3/2013 7:16	60.6	12/3/2013 0:21	60.2	13/3/2013 1:26	57.3	14/3/2013 2:31	55.6
8/3/2013 5:11	57.7	9/3/2013 6:16	60.6	10/3/2013 7:21	59.8	12/3/2013 0:26	59.9	13/3/2013 1:31	57.0	14/3/2013 2:36	55.6
8/3/2013 5:16	57.9	9/3/2013 6:21	60.3	10/3/2013 7:26	61.6	12/3/2013 0:31	60.3	13/3/2013 1:36	57.2	14/3/2013 2:41	56.3
8/3/2013 5:21	58.3	9/3/2013 6:26	61.0	10/3/2013 7:31	61.1	12/3/2013 0:36	60.2	13/3/2013 1:41	56.7	14/3/2013 2:46	55.2
8/3/2013 5:26	57.8	9/3/2013 6:31	61.1	10/3/2013 7:36	60.0	12/3/2013 0:41	59.2	13/3/2013 1:46	57.2	14/3/2013 2:51	56.7
8/3/2013 5:31	57.5	9/3/2013 6:36	61.5	10/3/2013 7:41	60.2	12/3/2013 0:46	60.8	13/3/2013 1:51	57.1	14/3/2013 2:56	56.0
8/3/2013 5:36	57.9	9/3/2013 6:41	54.3	10/3/2013 7:46	60.5	12/3/2013 0:51	59.5	13/3/2013 1:56	56.9	14/3/2013 3	

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
14/3/2013 6:11	58.5	15/3/2013 23:16	54.3	17/3/2013 0:21	60.5	18/3/2013 1:26	55.8	19/3/2013 2:31	56.8	20/3/2013 3:36	59.0
14/3/2013 6:16	58.7	15/3/2013 23:21	60.8	17/3/2013 0:26	60.3	18/3/2013 1:31	56.1	19/3/2013 2:36	55.9	20/3/2013 3:41	58.4
14/3/2013 6:21	59.6	15/3/2013 23:26	60.5	17/3/2013 0:31	59.8	18/3/2013 1:36	56.2	19/3/2013 2:41	55.9	20/3/2013 3:46	58.5
14/3/2013 6:26	60.3	15/3/2013 23:31	60.9	17/3/2013 0:36	59.0	18/3/2013 1:41	55.8	19/3/2013 2:46	56.6	20/3/2013 3:51	59.1
14/3/2013 6:31	60.0	15/3/2013 23:36	60.8	17/3/2013 0:41	58.9	18/3/2013 1:46	56.3	19/3/2013 2:51	56.2	20/3/2013 3:56	59.3
14/3/2013 6:36	60.9	15/3/2013 23:41	60.9	17/3/2013 0:46	58.9	18/3/2013 1:51	55.3	19/3/2013 2:56	56.5	20/3/2013 4:01	57.9
14/3/2013 6:41	61.6	15/3/2013 23:46	60.3	17/3/2013 0:51	59.1	18/3/2013 1:56	55.2	19/3/2013 3:01	55.1	20/3/2013 4:06	58.2
14/3/2013 6:46	61.8	15/3/2013 23:51	60.6	17/3/2013 0:56	58.9	18/3/2013 2:01	56.7	19/3/2013 3:06	55.3	20/3/2013 4:11	58.1
14/3/2013 6:51	61.7	15/3/2013 23:56	60.6	17/3/2013 1:01	58.5	18/3/2013 2:06	55.5	19/3/2013 3:11	57.1	20/3/2013 4:16	57.6
14/3/2013 6:56	53.6	16/3/2013 0:01	60.9	17/3/2013 1:06	58.2	18/3/2013 2:11	54.8	19/3/2013 3:16	55.2	20/3/2013 4:21	58.7
14/3/2013 23:01	60.2	16/3/2013 0:06	60.4	17/3/2013 1:11	58.8	18/3/2013 2:16	54.7	19/3/2013 3:21	54.8	20/3/2013 4:26	58.7
14/3/2013 23:06	59.9	16/3/2013 0:11	60.6	17/3/2013 1:16	58.7	18/3/2013 2:21	54.5	19/3/2013 3:26	56.8	20/3/2013 4:31	58.3
14/3/2013 23:11	60.3	16/3/2013 0:16	59.8	17/3/2013 1:21	58.6	18/3/2013 2:26	53.7	19/3/2013 3:31	57.8	20/3/2013 4:36	58.4
14/3/2013 23:16	61.0	16/3/2013 0:21	60.1	17/3/2013 1:26	58.6	18/3/2013 2:31	54.7	19/3/2013 3:36	55.4	20/3/2013 4:41	57.9
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14/3/2013 23:26	60.4	16/3/2013 0:31	58.9	17/3/2013 1:36	58.1	18/3/2013 2:41	58.4	19/3/2013 3:46	55.5	20/3/2013 4:51	58.5
14/3/2013 23:31	60.0	16/3/2013 0:36	59.8	17/3/2013 1:41	57.9	18/3/2013 2:46	54.7	19/3/2013 3:51	56.1	20/3/2013 4:56	58.6
14/3/2013 23:36	60.6	16/3/2013 0:41	59.1	17/3/2013 1:46	58.1	18/3/2013 2:51	55.9	19/3/2013 3:56	56.4	20/3/2013 5:01	59.1
14/3/2013 23:41	60.3	16/3/2013 0:46	59.3	17/3/2013 1:51	57.3	18/3/2013 2:56	53.9	19/3/2013 4:01	54.8	20/3/2013 5:06	58.7
14/3/2013 23:46	59.7	16/3/2013 0:51	59.0	17/3/2013 1:56	58.2	18/3/2013 3:01	55.3	19/3/2013 4:06	54.6	20/3/2013 5:11	59.7
14/3/2013 23:51	59.4	16/3/2013 0:56	59.0	17/3/2013 2:01	58.0	18/3/2013 3:06	55.5	19/3/2013 4:11	55.6	20/3/2013 5:16	59.1
14/3/2013 23:56	59.0	16/3/2013 1:01	59.0	17/3/2013 2:06	57.2	18/3/2013 3:11	54.5	19/3/2013 4:16	54.8	20/3/2013 5:21	59.3
15/3/2013 0:01	58.0	16/3/2013 1:06	59.2	17/3/2013 2:11	57.7	18/3/2013 3:16	53.5	19/3/2013 4:21	55.6	20/3/2013 5:26	59.8
15/3/2013 0:06	58.9	16/3/2013 1:11	60.1	17/3/2013 2:16	57.4	18/3/2013 3:21	54.4	19/3/2013 4:26	55.2	20/3/2013 5:31	60.0
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15/3/2013 3:11	56.2	16/3/2013 4:16	56.8	17/3/2013 5:21	55.6	18/3/2013 6:26	60.1	19/3/2013 7:31	55.8	21/3/2013 0:36	60.7
15/3/2013 3:16	55.0	16/3/2013 4:21	57.0	17/3/2013 5:26	57.1	18/3/2013 6:31	60.1	19/3/2013 7:36	54.8	21/3/2013 0:41	61.2
15/3/2013 3:21	55.9	16/3/2013 4:26	57.1	17/3/2013 5:31	56.4	18/3/2013 6:36	61.3	19/3/2013 7:41	53.2	21/3/2013 0:46	60.8
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15/3/2013 3:31	55.5	16/3/2013 4:36	56.0	17/3/2013 5:41	57.8	18/3/2013 6:46	45.6	19/3/2013 7:51	52.4	21/3/2013 0:56	61.6
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15/3/2013 3:46	54.3	16/3/2013 4:51	58.9	17/3/2013 5:56	57.3	18/3/2013 7:01	60.4	19/3/2013 8:06	50.4	21/3/2013 1:11	60.4
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15/3/2013 3:56	56.0	16/3/2013 5:01	58.4	17/3/2013 6:06	57.6	18/3/2013 7:11	58.7	19/3/2013 8:16	61.9	21/3/2013 1:21	60.2
15/3/2013 4:01	54.8	16/3/2013 5:06	57.5	17/3/2013 6:11	57.4	18/3/2013 7:16	61.1	19/3/2013 8:21	50.0	21/3/2013 1:2	

Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)										
21/3/2013 4:41	57.9	22/3/2013 5:46	60.9	23/3/2013 6:51	63.6	24/3/2013 23:56	61.8	26/3/2013 1:01	60.5	27/3/2013 2:06	58.8
21/3/2013 4:46	58.5	22/3/2013 5:51	60.8	23/3/2013 6:56	58.0	25/3/2013 0:01	61.3	26/3/2013 1:06	60.1	27/3/2013 2:11	59.6
21/3/2013 4:51	58.5	22/3/2013 5:56	60.6	23/3/2013 23:01	54.3	25/3/2013 0:06	61.8	26/3/2013 1:11	59.4	27/3/2013 2:16	60.1
21/3/2013 4:56	58.6	22/3/2013 6:01	61.1	23/3/2013 23:06	54.2	25/3/2013 0:11	57.0	26/3/2013 1:16	59.4	27/3/2013 2:21	58.1
21/3/2013 5:01	59.1	22/3/2013 6:06	60.3	23/3/2013 23:11	62.5	25/3/2013 0:16	58.9	26/3/2013 1:21	60.1	27/3/2013 2:26	58.2
21/3/2013 5:06	58.7	22/3/2013 6:11	61.7	23/3/2013 23:16	56.6	25/3/2013 0:21	55.8	26/3/2013 1:26	59.1	27/3/2013 2:31	58.5
21/3/2013 5:11	59.7	22/3/2013 6:16	60.8	23/3/2013 23:21	62.5	25/3/2013 0:26	61.8	26/3/2013 1:31	60.3	27/3/2013 2:36	57.1
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21/3/2013 5:21	59.3	22/3/2013 6:26	54.7	23/3/2013 23:31	54.2	25/3/2013 0:36	60.8	26/3/2013 1:41	60.3	27/3/2013 2:46	58.3
21/3/2013 5:26	59.8	22/3/2013 6:31	57.6	23/3/2013 23:36	56.5	25/3/2013 0:41	60.4	26/3/2013 1:46	59.8	27/3/2013 2:51	58.6
21/3/2013 5:31	60.0	22/3/2013 6:36	56.1	23/3/2013 23:41	46.7	25/3/2013 0:46	61.3	26/3/2013 1:51	59.1	27/3/2013 2:56	58.2
21/3/2013 5:36	59.6	22/3/2013 6:41	60.1	23/3/2013 23:46	48.4	25/3/2013 0:51	60.7	26/3/2013 1:56	59.7	27/3/2013 3:01	57.9
21/3/2013 5:41	60.1	22/3/2013 6:46	60.1	23/3/2013 23:51	51.5	25/3/2013 0:56	60.1	26/3/2013 2:01	60.1	27/3/2013 3:06	57.2
21/3/2013 5:46	59.9	22/3/2013 6:51	60.2	23/3/2013 23:56	50.9	25/3/2013 1:01	60.0	26/3/2013 2:06	59.5	27/3/2013 3:11	58.5
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21/3/2013 6:01	60.7	22/3/2013 23:06	56.5	24/3/2013 0:11	51.3	25/3/2013 1:16	59.8	26/3/2013 2:21	58.9	27/3/2013 3:26	57.2
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21/3/2013 6:21	53.0	22/3/2013 23:26	52.3	24/3/2013 0:31	61.6	25/3/2013 1:36	59.5	26/3/2013 2:41	59.2	27/3/2013 3:46	55.8
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21/3/2013 6:31	56.8	22/3/2013 23:36	55.3	24/3/2013 0:41	61.3	25/3/2013 1:46	59.1	26/3/2013 2:51	59.0	27/3/2013 3:56	57.3
21/3/2013 6:36	58.1	22/3/2013 23:41	56.8	24/3/2013 0:46	61.6	25/3/2013 1:51	58.1	26/3/2013 2:56	59.1	27/3/2013 4:01	56.0
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21/3/2013 6:51	61.1	22/3/2013 23:56	55.4	24/3/2013 1:01	60.5	25/3/2013 2:06	58.1	26/3/2013 3:11	58.6	27/3/2013 4:16	56.6
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21/3/2013 23:16	62.6	23/3/2013 0:21	53.2	24/3/2013 1:26	60.4	25/3/2013 2:31	58.8	26/3/2013 3:36	59.0	27/3/2013 4:41	56.8
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22/3/2013 1:11	60.7	23/3/2013 2:16	60.5	24/3/2013 3:21	60.3	25/3/2013 4:26	57.5	26/3/2013 5:31	59.1	27/3/2013 6:36	62.3
22/3/2013 1:16	61.0	23/3/2013 2:21	61.7	24/3/2013 3:26	59.5	25/3/2013 4:31	57.8	26/3/2013 5:36	59.5	27/3/2013 6:41	63.0
22/3/2013 1:21	51.7	23/3/2013 2:26	60.5	24/3/2013 3:31	59.0	25/3/2013 4:36	57.6	26/3/2013 5:41	60.9	27/3/2013 6:46	64.2
22/3/2013 1:26	60.7	23/3/2013 2:31	60.6	24/3/2013 3:36	59.9	25/3/2013 4:41	58.3	26/3/2013 5:46	60.3	27/3/2013 6:51	63.9
22/3/2013 1:31	61.4	23/3/2013 2:36	60.5	24/3/2013 3:41	60.7	25/3/2013 4:46	57.9	26/3/2013 5:51	60.7	27/3/2013 6:56	64.8
22/3/2013 1:36	60.6	23/3/2013 2:41	60.7	24/3/2013 3:46	59.5	25/3/2013 4:51	58.2	26/3/2013 5:56	60.1	27/3/2013 23:01	57.7
22/3/2013 1:41	60.8	23/3/2013 2:46	60.5	24/3/2013 3:51	59.8	25/3/2013 4:56	58.0	26/3/2013 6:01	60.6	27/3/2013 23:06	59.4
22/3/2013 1:46	60.7	23/3/2013 2:51	60.8	24/3/2013 3:56	58.8	25/3/2013 5:01	58.2	26/3/2013 6:06	61.0	27/3/2013 23:11	58.4
22/3/2013 1:51	60.4	23/3/2013 2:56	60.6	24/3/2013 4:01	58.9	25/3/2013 5:06	58.3	26/3/2013 6:11	61.6	27/3/2013 23:16	58.2
22/3/2013 1:56	60.2	23/3/2013 3:01	59.7	24/3/2013 4:06	58.7	25/3/2013 5:11	58.4	26/3/2013 6:16	53.6	27/3/2013 23:21	57.2
22/3/2013 2:01	60.5	23/3/2013 3:06	60.6	24/3/2013 4:11	59.1	25/3/2013 5:16	57.7	26/3/2013 6:21	61.9	27/3/2013 23:26	57.8
22/3/2013 2:06	60.4	23/3/2013 3:11	60.0	24/3/2013 4:16	58.3	25/3/2013 5:21	58.3	26/3/2013 6:26	56.1	27/3/2013 23:31	57.2
22/3/2013 2:11	60.1	23/3/2013 3:16	60.3	24/3/2013 4:21	59.8	25/3/2013 5:26	59.4	26/3/2013 6:31	54.7	27/3/2013 23:36	55.1
22/3/2013 2:16	59.8	23/3/2013 3:21	59.7	24/3/2013 4:26	59.6	25/3/2013 5:31	59.8	26/3/2013 6:36	57.4	27/3/2013 23:41	56.9
22/3/2013 2:21	60.1	23/3/2013 3:26	60.0	24/3/2013 4:31	59.2	25/3/2013 5:36	60.0	26/3/2013 6:41	59.4	27/3/2013 23:46	53.2
22/3/2013 2:26	59.3	23/3/2013 3:31	59.8	24/3/2013 4:36	58.8	25/3/2013 5:41	59.9	26/3/2013 6:46	60.6	27/3/2013 23:51	55.3
22/3/2013 2:31	59.8	23/3/2013 3:36	59.3	24/3/2013 4:41	58.7	25/3/2013 5:46	60.1	26/3/2013 6:51	60.6		

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)			
<b>Normal Day 07:00-19:00</b>	5/3/2013 12:01 66.1	9/3/2013 18:31 66.1	15/3/2013 13:01 64.9	21/3/2013 7:31 66.5
28/2/2013 7:01 64.9	5/3/2013 12:31 65.9	11/3/2013 7:01 64.5	15/3/2013 13:31 64.3	21/3/2013 8:01 67.0
28/2/2013 7:31 65.8	5/3/2013 13:01 52.3	11/3/2013 7:31 64.1	15/3/2013 14:01 62.7	21/3/2013 8:31 55.6
28/2/2013 8:01 67.2	5/3/2013 13:31 50.0	11/3/2013 8:01 65.1	15/3/2013 14:31 60.4	21/3/2013 9:01 67.1
28/2/2013 8:31 59.3	5/3/2013 14:01 57.5	11/3/2013 8:31 65.4	15/3/2013 15:01 62.7	21/3/2013 9:31 66.6
28/2/2013 9:01 61.2	5/3/2013 14:31 57.1	11/3/2013 9:01 65.8	15/3/2013 15:31 64.1	21/3/2013 10:01 66.7
28/2/2013 9:31 60.9	5/3/2013 15:01 57.8	11/3/2013 9:31 65.7	15/3/2013 16:01 62.4	21/3/2013 10:31 67.1
28/2/2013 10:01 60.4	5/3/2013 15:31 52.7	11/3/2013 10:01 65.6	15/3/2013 16:31 63.9	21/3/2013 11:01 62.7
28/2/2013 10:31 61.4	5/3/2013 16:01 67.1	11/3/2013 10:31 63.4	15/3/2013 17:01 55.9	21/3/2013 11:31 47.5
28/2/2013 11:01 61.0	5/3/2013 16:31 60.3	11/3/2013 11:01 65.7	15/3/2013 17:31 49.6	21/3/2013 12:01 67.1
28/2/2013 11:31 53.5	5/3/2013 17:01 54.2	11/3/2013 11:31 56.9	15/3/2013 18:01 66.9	21/3/2013 12:31 66.8
28/2/2013 12:01 66.6	5/3/2013 17:31 52.8	11/3/2013 12:01 66.1	15/3/2013 18:31 66.6	21/3/2013 13:01 59.3
28/2/2013 12:31 66.6	5/3/2013 18:01 66.7	11/3/2013 12:31 66.5	16/3/2013 7:01 65.1	21/3/2013 13:31 61.3
28/2/2013 13:01 60.1	5/3/2013 18:31 66.7	11/3/2013 13:01 65.0	16/3/2013 7:31 65.8	21/3/2013 14:01 61.9
28/2/2013 13:31 61.3	6/3/2013 7:01 65.9	11/3/2013 13:31 65.7	16/3/2013 8:01 54.5	21/3/2013 14:31 58.2
28/2/2013 14:01 61.4	6/3/2013 7:31 66.5	11/3/2013 14:01 64.1	16/3/2013 8:31 60.2	21/3/2013 15:01 54.2
28/2/2013 14:31 62.1	6/3/2013 8:01 67.0	11/3/2013 14:31 66.0	16/3/2013 9:01 59.6	21/3/2013 15:31 47.1
28/2/2013 15:01 60.7	6/3/2013 8:31 61.6	11/3/2013 15:01 64.3	16/3/2013 9:31 62.0	21/3/2013 16:01 59.5
28/2/2013 15:31 54.3	6/3/2013 9:01 56.0	11/3/2013 15:31 59.3	16/3/2013 10:01 62.5	21/3/2013 16:31 60.0
28/2/2013 16:01 52.1	6/3/2013 9:31 64.6	11/3/2013 16:01 62.1	16/3/2013 10:31 65.0	21/3/2013 17:01 59.6
28/2/2013 16:31 46.1	6/3/2013 10:01 65.5	11/3/2013 16:31 62.1	16/3/2013 11:01 60.7	21/3/2013 17:31 49.6
28/2/2013 17:01 53.0	6/3/2013 10:31 64.9	11/3/2013 17:01 56.9	16/3/2013 11:31 61.3	21/3/2013 18:01 48.2
28/2/2013 17:31 66.9	6/3/2013 11:01 68.4	11/3/2013 17:31 55.1	16/3/2013 12:01 66.4	21/3/2013 18:31 67.1
28/2/2013 18:01 66.2	6/3/2013 11:31 64.2	11/3/2013 18:01 67.1	16/3/2013 12:31 66.8	22/3/2013 7:01 65.7
28/2/2013 18:31 66.1	6/3/2013 12:01 66.4	11/3/2013 18:31 66.7	16/3/2013 13:01 64.4	22/3/2013 7:31 66.7
1/3/2013 7:01 65.4	6/3/2013 12:31 65.9	12/3/2013 7:01 65.9	16/3/2013 13:31 67.0	22/3/2013 8:01 66.9
1/3/2013 7:31 66.4	6/3/2013 13:01 66.7	12/3/2013 7:31 66.9	16/3/2013 14:01 57.8	22/3/2013 8:31 60.9
1/3/2013 8:01 66.7	6/3/2013 13:31 67.5	12/3/2013 8:01 57.7	16/3/2013 14:31 58.1	22/3/2013 9:01 63.6
1/3/2013 8:31 58.5	6/3/2013 14:01 67.1	12/3/2013 8:31 63.0	16/3/2013 15:01 62.6	22/3/2013 9:31 65.0
1/3/2013 9:01 59.8	6/3/2013 14:31 65.7	12/3/2013 9:01 68.6	16/3/2013 15:31 56.1	22/3/2013 10:01 62.5
1/3/2013 9:31 62.7	6/3/2013 15:01 64.9	12/3/2013 9:31 65.4	16/3/2013 16:01 61.7	22/3/2013 10:31 62.6
1/3/2013 10:01 64.1	6/3/2013 15:31 59.3	12/3/2013 10:01 67.2	16/3/2013 16:31 60.1	22/3/2013 11:01 62.2
1/3/2013 10:31 63.5	6/3/2013 16:01 67.2	12/3/2013 10:31 66.5	16/3/2013 17:01 59.3	22/3/2013 11:31 57.5
1/3/2013 11:01 63.2	6/3/2013 16:31 62.0	12/3/2013 11:01 64.4	16/3/2013 17:31 66.9	22/3/2013 12:01 66.7
1/3/2013 11:31 56.0	6/3/2013 17:01 53.1	12/3/2013 11:31 64.3	16/3/2013 18:01 66.5	22/3/2013 12:31 66.7
1/3/2013 12:01 66.5	6/3/2013 17:31 53.1	12/3/2013 12:01 66.1	16/3/2013 18:31 66.1	22/3/2013 13:01 45.2
1/3/2013 12:31 66.3	6/3/2013 18:01 66.6	12/3/2013 12:31 66.7	18/3/2013 7:01 65.6	22/3/2013 13:31 60.0
1/3/2013 13:01 59.9	6/3/2013 18:31 66.3	12/3/2013 13:01 59.2	18/3/2013 7:31 66.4	22/3/2013 14:01 60.5
1/3/2013 13:31 59.9	7/3/2013 7:01 65.5	12/3/2013 13:31 67.3	18/3/2013 8:01 67.0	22/3/2013 14:31 64.1
1/3/2013 14:01 61.8	7/3/2013 7:31 66.7	12/3/2013 14:01 67.8	18/3/2013 8:31 56.4	22/3/2013 15:01 67.1
1/3/2013 14:31 63.0	7/3/2013 8:01 61.0	12/3/2013 14:31 62.3	18/3/2013 9:01 52.6	22/3/2013 15:31 66.5
1/3/2013 15:01 64.0	7/3/2013 8:31 65.5	12/3/2013 15:01 62.9	18/3/2013 9:31 63.0	22/3/2013 16:01 60.2
1/3/2013 15:31 61.4	7/3/2013 9:01 64.3	12/3/2013 15:31 59.1	18/3/2013 10:01 61.3	22/3/2013 16:31 59.2
1/3/2013 16:01 59.5	7/3/2013 9:31 69.5	12/3/2013 16:01 61.8	18/3/2013 10:31 62.8	22/3/2013 17:01 67.0
1/3/2013 16:31 59.9	7/3/2013 10:01 67.7	12/3/2013 16:31 61.6	18/3/2013 11:01 65.2	22/3/2013 17:31 66.7
1/3/2013 17:01 63.4	7/3/2013 10:31 66.0	12/3/2013 17:01 58.0	18/3/2013 11:31 58.2	22/3/2013 18:01 66.6
1/3/2013 17:31 59.2	7/3/2013 11:01 67.4	12/3/2013 17:31 67.1	18/3/2013 12:01 66.1	22/3/2013 18:31 66.4
1/3/2013 18:01 66.6	7/3/2013 11:31 61.3	12/3/2013 18:01 66.5	18/3/2013 12:31 66.2	23/3/2013 7:01 65.3
1/3/2013 18:31 66.4	7/3/2013 12:01 66.1	12/3/2013 18:31 66.6	18/3/2013 13:01 59.3	23/3/2013 7:31 65.8
2/3/2013 7:01 64.8	7/3/2013 12:31 66.1	13/3/2013 7:01 65.5	18/3/2013 13:31 61.6	23/3/2013 8:01 67.0
2/3/2013 7:31 66.3	7/3/2013 13:01 65.1	13/3/2013 7:31 66.5	18/3/2013 14:01 63.7	23/3/2013 8:31 49.0
2/3/2013 8:01 59.0	7/3/2013 13:31 63.1	13/3/2013 8:01 66.6	18/3/2013 14:31 64.4	23/3/2013 9:01 66.9
2/3/2013 8:31 62.5	7/3/2013 14:01 63.6	13/3/2013 8:31 56.0	18/3/2013 15:01 51.7	23/3/2013 9:31 67.2
2/3/2013 9:01 63.6	7/3/2013 14:31 63.1	13/3/2013 9:01 54.0	18/3/2013 15:31 50.9	23/3/2013 10:01 67.0
2/3/2013 9:31 63.2	7/3/2013 15:01 61.3	13/3/2013 9:31 63.2	18/3/2013 16:01 63.4	23/3/2013 10:31 56.5
2/3/2013 10:01 65.1	7/3/2013 15:31 57.9	13/3/2013 10:01 64.0	18/3/2013 16:31 66.2	23/3/2013 11:01 58.0
2/3/2013 10:31 66.2	7/3/2013 16:01 64.8	13/3/2013 10:31 63.2	18/3/2013 17:01 61.2	23/3/2013 11:31 46.3
2/3/2013 11:01 66.9	7/3/2013 16:31 63.4	13/3/2013 11:01 63.8	18/3/2013 17:31 66.5	23/3/2013 12:01 66.5
2/3/2013 11:31 56.6	7/3/2013 17:01 61.4	13/3/2013 11:31 43.4	18/3/2013 18:01 66.2	23/3/2013 12:31 66.1
2/3/2013 12:01 66.4	7/3/2013 17:31 66.6	13/3/2013 12:01 66.5	18/3/2013 18:31 66.2	23/3/2013 13:01 55.6
2/3/2013 12:31 66.4	7/3/2013 18:01 66.5	13/3/2013 12:31 66.6	18/3/2013 19:01 65.3	23/3/2013 13:31 56.9
2/3/2013 13:01 64.1	7/3/2013 18:31 65.9	13/3/2013 13:01 62.6	18/3/2013 19:31 66.0	23/3/2013 14:01 56.3
2/3/2013 13:31 66.2	8/3/2013 7:01 65.4	13/3/2013 13:31 65.0	18/3/2013 20:01 57.6	23/3/2013 14:31 57.6
2/3/2013 14:01 64.4	8/3/2013 7:31 66.2	13/3/2013 14:01 62.1	18/3/2013 20:31 63.8	23/3/2013 15:01 49.6
2/3/2013 14:31 63.4	8/3/2013 8:01 49.9	13/3/2013 14:31 58.8	18/3/2013 21:01 57.0	23/3/2013 15:31 67.1
2/3/2013 15:01 65.2	8/3/2013 8:31 62.7	13/3/2013 15:01 55.6	18/3/2013 21:31 63.6	23/3/2013 16:01 59.6
2/3/2013 15:31 63.9	8/3/2013 9:01 65.1	13/3/2013 15:31 67.0	18/3/2013 22:01 66.7	23/3/2013 16:31 58.6
2/3/2013 16:01 64.6	8/3/2013 9:31 64.9	13/3/2013 16:01 51.2	18/3/2013 22:31 64.6	23/3/2013 17:01 56.7
2/3/2013 16:31 61.3	8/3/2013 10:01 65.6	13/3/2013 16:31 67.1	18/3/2013 23:01 66.0	23/3/2013 17:31 66.8
2/3/2013 17:01 62.1	8/3/2013 10:31 63.4	13/3/2013 17:01 49.2	18/3/2013 23:31 59.5	23/3/2013 18:01 66.4
2/3/2013 17:31 62.1	8/3/2013 11:01 64.9	13/3/2013 17:31 66.9	18/3/2013 24:01 66.4	23/3/2013 18:31 66.1
2/3/2013 18:01 66.9	8/3/2013 11:31 56.0	13/3/2013 18:01 66.2	18/3/2013 24:31 66.3	25/3/2013 7:01 65.3
2/3/2013 18:31 66.1	8/3/2013 12:01 66.5	13/3/2013 18:31 66.3	18/3/2013 25:01 66.4	25/3/2013 7:31 66.4
4/3/2013 7:01 65.1	8/3/2013 12:31 66.3	14/3/2013 7:01 65.3	18/3/2013 25:31 59.8	25/3/2013 8:01 59.8
4/3/2013 7:31 66.1	8/3/2013 13:01 59.9	14/3/2013 7:31 66.2	18/3/2013 26:01 50.9	25/3/2013 8:31 50.9
4/3/2013 8:01 66.9	8/3/2013 13:31 59.9	14/3/2013 8:01 67.2	18/3/2013 26:31 66.6	25/3/2013 9:01 67.1
4/3/2013 8:31 60.2	8/3/2013 14:01 61.8	14/3/2013 8:31 53.3	18/3/2013 27:01 50.0	25/3/2013 9:31 67.1
4/3/2013 9:01 62.8	8/3/2013 14:31 63.0	14/3/2013 9:01 59.3	18/3/2013 27:31 55.3	25/3/2013 10:01 58.8
4/3/2013 9:31 62.1	8/3/2013 15:01 64.0	14/3/2013 9:31 61.4	18/3/2013 28:01 61.0	25/3/2013 10:31 60.3
4/3/2013 10:01 62.7	8/3/2013 15:31 61.4	14/3/2013 10:01 61.5	18/3/2013 28:31 54.6	25/3/2013 11:01 58.5
4/3/2013 10:31 62.9	8/3/2013 16:01 59.5	14/3/2013 10:31 59.8	18/3/2013 29:01 63.2	25/3/2013 11:31 67.1
4/3/2013 11:01 62.4	8/3/2013 16:31 59.9	14/3/2013 11:01 62.0	18/3/2013 29:31 44.8	25/3/2013 12:01 66.8
4/3/2013 11:31 58.5	8/3/2013 17:01 63.4	14/3/2013 11:31 59.6	18/3/2013 30:01 57.4	25/3/2013 12:31 66.4
4/3/2013 12:01 66.4	8/3/2013 17:31 59.2	14/3/2013 12:01 66.4	18/3/2013 30:31 57.0	25/3/2013 13:01 60.5
4/3/2013 12:31 67.0	8/3/2013 18:01 66.6	14/3/2013 12:31 66.8	20/3/2013 7:01 65.9	25/3/2013 13:31 61.4
4/3/2013 13:01 60.9	8/3/2013 18:31 66.4	14/3/2013 13:01 58.4	20/3/2013 7:31 66.8	25/3/2013 14:01 61.3
4/3/2013 13:31 63.3	9/3/2013 7:01 64.8	14/3/2013 13:31 65.2	20/3/2013 8:01 53.5	25/3/2013 14:31 59.7
4/3/2013 14:01 61.4	9/3/2013 7:31 66.3	14/3/2013 14:01 66.6	20/3/2013 8:31 61.9	25/3/2013 15:01 60.9
4/3/2013 14:31 59.8	9/3/2013 8:01 59.0	14/3/2013 14:31 63.5	20/3/2013 9:01 62.8	25/3/2013 15:31 57.3
4/3/2013 15:01 61.2	9/3/2013 8:31 62.5	14/3/2013 15:01 57.6	20/3/2013 9:31 61.1	25/3/2013 16:01 60.8
4/3/2013 15:31 61.4	9/3/2013 9:01 63.6	14/3/2013 15:31 61.6	20/3/2013 10:01 56.6	25/3/2013 16:31 61.8
4/3/2013 16:01 62.8	9/3/2013 9:31 63.2	14/3/2013 16:01 63.9	20/3/2013 10:31 60.8	25/

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
1/3/2013 20:51	63.4	3/3/2013 9:56	63.1	3/3/2013 19:01	63.0	5/3/2013 20:06	63.9	7/3/2013 21:11	63.8	9/3/2013 22:16	63.0
1/3/2013 20:56	62.5	3/3/2013 10:01	64.0	3/3/2013 19:06	62.9	5/3/2013 20:11	63.6	7/3/2013 21:16	63.1	9/3/2013 22:21	63.4
1/3/2013 21:01	63.2	3/3/2013 10:06	61.6	3/3/2013 19:11	62.6	5/3/2013 20:16	63.5	7/3/2013 21:21	64.0	9/3/2013 22:26	63.3
1/3/2013 21:06	63.0	3/3/2013 10:11	61.3	3/3/2013 19:16	62.7	5/3/2013 20:21	64.1	7/3/2013 21:26	63.6	9/3/2013 22:31	62.8
1/3/2013 21:11	64.5	3/3/2013 10:16	62.4	3/3/2013 19:21	63.2	5/3/2013 20:26	63.6	7/3/2013 21:31	63.9	9/3/2013 22:36	62.6
1/3/2013 21:16	62.8	3/3/2013 10:21	62.6	3/3/2013 19:26	63.2	5/3/2013 20:31	64.1	7/3/2013 21:36	63.5	9/3/2013 22:41	63.1
1/3/2013 21:21	63.3	3/3/2013 10:26	63.8	3/3/2013 19:31	63.7	5/3/2013 20:36	64.1	7/3/2013 21:41	63.2	9/3/2013 22:46	62.5
1/3/2013 21:26	62.6	3/3/2013 10:31	63.1	3/3/2013 19:36	63.4	5/3/2013 20:41	64.0	7/3/2013 21:46	63.3	9/3/2013 22:51	62.8
1/3/2013 21:31	62.7	3/3/2013 10:36	62.7	3/3/2013 19:41	62.3	5/3/2013 20:46	63.2	7/3/2013 21:51	62.3	9/3/2013 22:56	62.8
1/3/2013 21:36	63.1	3/3/2013 10:41	63.0	3/3/2013 19:46	62.9	5/3/2013 20:51	62.5	7/3/2013 21:56	63.3	10/3/2013 7:01	59.5
1/3/2013 21:41	62.6	3/3/2013 10:46	63.3	3/3/2013 19:51	63.1	5/3/2013 20:56	62.8	7/3/2013 22:01	63.1	10/3/2013 7:06	58.6
1/3/2013 21:46	63.0	3/3/2013 10:51	63.6	3/3/2013 19:56	62.7	5/3/2013 21:01	63.0	7/3/2013 22:06	62.9	10/3/2013 7:11	60.5
1/3/2013 21:51	63.3	3/3/2013 10:56	62.6	3/3/2013 20:01	63.6	5/3/2013 21:06	63.4	7/3/2013 22:11	63.8	10/3/2013 7:16	60.7
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1/3/2013 22:01	63.5	3/3/2013 11:06	63.6	3/3/2013 20:11	64.0	5/3/2013 21:16	63.8	7/3/2013 22:21	63.0	10/3/2013 7:26	59.9
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2/3/2013 22:26	63.3	3/3/2013 15:31	63.6	4/3/2013 20:36	63.5	6/3/2013 21:41	63.3	8/3/2013 22:46	63.2	10/3/2013 11:51	63.5
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2/3/2013 22:36	63.4	3/3/2013 15:41	64.6	4/3/2013 20:46	64.1	6/3/2013 21:51	62.0	8/3/2013 22:56	63.2	10/3/2013 12:01	63.4
2/3/2013 22:41	63.2	3/3/2013 15:46	63.5	4/3/2013 20:51	63.4	6/3/2013 21:56	63.0	9/3/2013 19:01			



Real-time Noise Data	RTN2a (Hong Kong Electric Centre)										
10/3/2013 15:21	63.6	11/3/2013 20:26	64.5	13/3/2013 21:31	63.2	15/3/2013 22:36	63.8	17/3/2013 11:41	65.4	17/3/2013 20:46	62.2
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10/3/2013 19:06	62.9	12/3/2013 20:11	63.9	14/3/2013 21:16	63.1	15/3/2013 26:21	63.0	17/3/2013 15:26	65.7	18/3/2013 20:31	64.0
10/3/2013 19:11	62.7	12/3/2013 20:16	63.4	14/3/2013 21:21	64.0	15/3/2013 26:26	63.3	17/3/2013 15:31	64.5	18/3/2013 20:36	63.6
10/3/2013 19:16	62.9	12/3/2013 20:21	63.8	14/3/2013 21:26	63.4	15/3/2013 26:31	62.8	17/3/2013 15:36	64.3	18/3/2013 20:41	62.6
10/3/2013 19:21	63.3	12/3/2013 20:26	63.2	14/3/2013 21:31	63.6	15/3/2013 26:36	63.6	17/3/2013 15:41	64.5	18/3/2013 20:46	62.5
10/3/2013 19:26	62.9	12/3/2013 20:31	64.7	14/3/2013 21:36	63.7	15/3/2013 26:41	62.9	17/3/2013 15:46	63.6	18/3/2013 20:51	63.0
10/3/2013 19:31	63.5	12/3/2013 20:36	63.5	14/3/2013 21:41	64.1	15/3/2013 26:46	62.3	17/3/2013 15:51	63.7	18/3/2013 20:56	62.8
10/3/2013 19:36	63.2	12/3/2013 20:41	63.1	14/3/2013 21:46	64.1	15/3/2013 26:51	63.9	17/3/2013 15:56	64.0	18/3/2013 21:01	63.0
10/3/2013 19:41	62.8	12/3/2013 20:46	63.2	14/3/2013 21:51	63.7	15/3/2013 26:56	63.1	17/3/2013 16:01	63.3	18/3/2013 21:06	62.9
10/3/2013 19:46	62.3	12/3/2013 20:51	63.2	14/3/2013 21:56	62.5	15/3/2013 27:01	59.9	17/3/2013 16:06	63.1	18/3/2013 21:11	62.5
10/3/2013 19:51	63.0	12/3/2013 20:56	62.9	14/3/2013 22:01	63.4	15/3/2013 27:06	59.5	17/3/2013 16:11	63.5	18/3/2013 21:16	63.9
10/3/2013 19:56	62.5	12/3/2013 21:01	64.7	14/3/2013 22:06	64.2	15/3/2013 27:11	61.0	17/3/2013 16:16	63.5	18/3/2013 21:21	63.4
10/3/2013 20:01	62.6	12/3/2013 21:06	62.6	14/3/2013 22:11	62.6	15/3/2013 27:16	61.1	17/3/2013 16:21	64.5	18/3/2013 21:26	63.1
10/3/2013 20:06	63.2	12/3/2013 21:11	62.6	14/3/2013 22:16	62.6	15/3/2013 27:21	59.9	17/3/2013 16:26	63.7	18/3/2013 21:31	63.3
10/3/2013 20:11	63.5	12/3/2013 21:16	63.3	14/3/2013 22:21	63.5	15/3/2013 27:26	59.2	17/3/2013 16:31	63.6	18/3/2013 21:36	63.3
10/3/2013 20:16	63.9	12/3/2013 21:21	63.5	14/3/2013 22:26	63.9	15/3/2013 27:31	61.9	17/3/2013 16:36	63.7	18/3/2013 21:41	62.7
10/3/2013 20:21	63.2	12/3/2013 21:26	63.7	14/3/2013 22:31	63.3	15/3/2013 27:36	59.9	17/3/2013 16:41	64.0	18/3/2013 21:46	62.4
10/3/2013 20:26	62.7	12/3/2013 21:31	63.1	14/3/2013 22:36	63.5	15/3/2013 27:41	60.0	17/3/2013 16:46	63.7	18/3/2013 21:51	62.9
10/3/2013 20:31	63.0	12/3/2013 21:36	63.5	14/3/2013 22:41	63.0	15/3/2013 27:46	60.7	17/3/2013 16:51	64.1	18/3/2013 21:56	62.6
10/3/2013 20:36	63.0	12/3/2013 21:41	62.7	14/3/2013 22:46	62.5	15/3/2013 27:51	61.6	17/3/2013 16:56	64.2	18/3/2013 22:01	62.2
10/3/2013 20:41	62.6	12/3/2013 21:46	62.6	14/3/2013 22:51	63.3	15/3/2013 27:56	61.2	17/3/2013 17:01	63.9	18/3/2013 22:06	62.9
10/3/2013 20:46	62.9	12/3/2013 21:51	63.0	14/3/2013 22:56	63.0	15/3/2013 28:01	61.2	17/3/2013 17:06	63.8	18/3/2013 22:11	62.9
10/3/2013 20:51	63.4	12/3/2013 21:56	63.2	15/3/2013 19:01	65.0	15/3/2013 28:06	61.8	17/3/2013 17:11	64.0	18/3/2013 22:16	62.4
10/3/2013 20:56	63.0	12/3/2013 22:01	62.6	15/3/2013 19:06	65.4	15/3/2013 28:11	60.8	17/3/2013 17:16	65.4	18/3/2013 22:21	62.5
10/3/2013 21:01	62.6	12/3/2013 22:06	63.0	15/3/2013 19:11	64.8	15/3/2013 28:16	6				

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)							
19/3/2013 21:51	64.9	21/3/2013 22:56	63.5	24/3/2013 8:01	61.2	24/3/2013 17:06	64.3	25/3/2013 22:11	63.6
19/3/2013 21:56	65.4	22/3/2013 19:01	63.7	24/3/2013 8:06	61.9	24/3/2013 17:11	63.8	25/3/2013 22:16	63.5
19/3/2013 22:01	64.8	22/3/2013 19:06	63.1	24/3/2013 8:11	61.4	24/3/2013 17:16	63.7	25/3/2013 22:21	63.2
19/3/2013 22:06	64.0	22/3/2013 19:11	62.7	24/3/2013 8:16	62.8	24/3/2013 17:21	63.8	25/3/2013 22:26	63.3
19/3/2013 22:11	64.6	22/3/2013 19:16	62.6	24/3/2013 8:21	64.2	24/3/2013 17:26	63.2	25/3/2013 22:31	63.3
19/3/2013 22:16	64.6	22/3/2013 19:21	63.2	24/3/2013 8:26	62.8	24/3/2013 17:31	64.3	25/3/2013 22:36	63.3
19/3/2013 22:21	64.7	22/3/2013 19:26	62.2	24/3/2013 8:31	62.7	24/3/2013 17:36	63.7	25/3/2013 22:41	63.2
19/3/2013 22:26	64.9	22/3/2013 19:31	62.3	24/3/2013 8:36	62.0	24/3/2013 17:41	63.4	25/3/2013 22:46	62.8
19/3/2013 22:31	64.9	22/3/2013 19:36	62.8	24/3/2013 8:41	62.3	24/3/2013 17:46	63.5	25/3/2013 22:51	63.1
19/3/2013 22:36	64.4	22/3/2013 19:41	64.1	24/3/2013 8:46	62.2	24/3/2013 17:51	63.0	25/3/2013 22:56	62.8
19/3/2013 22:41	64.2	22/3/2013 19:46	63.1	24/3/2013 8:51	63.1	24/3/2013 17:56	63.5	26/3/2013 19:01	64.3
19/3/2013 22:46	64.3	22/3/2013 19:51	63.1	24/3/2013 8:56	62.8	24/3/2013 18:01	63.5	26/3/2013 19:06	65.0
19/3/2013 22:51	64.1	22/3/2013 19:56	63.2	24/3/2013 9:01	62.8	24/3/2013 18:06	63.0	26/3/2013 19:11	64.3
19/3/2013 22:56	64.6	22/3/2013 20:01	63.4	24/3/2013 9:06	62.7	24/3/2013 18:11	64.3	26/3/2013 19:16	64.1
20/3/2013 19:01	63.7	22/3/2013 20:06	63.8	24/3/2013 9:11	63.4	24/3/2013 18:16	63.8	26/3/2013 19:21	64.4
20/3/2013 19:06	64.0	22/3/2013 20:11	63.6	24/3/2013 9:16	63.5	24/3/2013 18:21	63.7	26/3/2013 19:26	65.6
20/3/2013 19:11	64.0	22/3/2013 20:16	64.5	24/3/2013 9:21	63.2	24/3/2013 18:26	63.5	26/3/2013 19:31	65.8
20/3/2013 19:16	63.9	22/3/2013 20:21	64.2	24/3/2013 9:26	62.0	24/3/2013 18:31	63.3	26/3/2013 19:36	66.4
20/3/2013 19:21	64.5	22/3/2013 20:26	64.7	24/3/2013 9:31	62.3	24/3/2013 18:36	64.2	26/3/2013 19:41	66.0
20/3/2013 19:26	64.2	22/3/2013 20:31	64.2	24/3/2013 9:36	63.0	24/3/2013 18:41	63.3	26/3/2013 19:46	66.2
20/3/2013 19:31	64.6	22/3/2013 20:36	64.4	24/3/2013 9:41	63.0	24/3/2013 18:46	62.8	26/3/2013 19:51	65.8
20/3/2013 19:36	64.3	22/3/2013 20:41	64.9	24/3/2013 9:46	63.0	24/3/2013 18:51	63.4	26/3/2013 19:56	66.3
20/3/2013 19:41	64.3	22/3/2013 20:46	64.7	24/3/2013 9:51	62.3	24/3/2013 18:56	62.7	26/3/2013 20:01	65.7
20/3/2013 19:46	64.6	22/3/2013 20:51	64.6	24/3/2013 9:56	62.4	24/3/2013 19:01	63.2	26/3/2013 20:06	65.5
20/3/2013 19:51	64.6	22/3/2013 20:56	64.1	24/3/2013 10:01	62.4	24/3/2013 19:06	62.9	26/3/2013 20:11	67.1
20/3/2013 19:56	63.8	22/3/2013 21:01	64.1	24/3/2013 10:06	62.2	24/3/2013 19:11	63.1	26/3/2013 20:16	66.0
20/3/2013 20:01	64.3	22/3/2013 21:06	63.8	24/3/2013 10:11	62.6	24/3/2013 19:16	62.6	26/3/2013 20:21	65.8
20/3/2013 20:06	64.6	22/3/2013 21:11	63.6	24/3/2013 10:16	64.4	24/3/2013 19:21	63.2	26/3/2013 20:26	67.1
20/3/2013 20:11	64.3	22/3/2013 21:16	64.1	24/3/2013 10:21	66.3	24/3/2013 19:26	63.4	26/3/2013 20:31	66.3
20/3/2013 20:16	63.8	22/3/2013 21:21	63.7	24/3/2013 10:26	66.1	24/3/2013 19:31	63.0	26/3/2013 20:36	65.7
20/3/2013 20:21	64.1	22/3/2013 21:26	63.5	24/3/2013 10:31	65.8	24/3/2013 19:36	63.6	26/3/2013 20:41	65.8
20/3/2013 20:26	63.5	22/3/2013 21:31	63.3	24/3/2013 10:36	65.3	24/3/2013 19:41	62.7	26/3/2013 20:46	65.6
20/3/2013 20:31	64.2	22/3/2013 21:36	63.5	24/3/2013 10:41	65.5	24/3/2013 19:46	62.9	26/3/2013 20:51	66.3
20/3/2013 20:36	64.8	22/3/2013 21:41	63.8	24/3/2013 10:46	65.2	24/3/2013 19:51	62.9	26/3/2013 20:56	65.6
20/3/2013 20:41	63.7	22/3/2013 21:46	63.4	24/3/2013 10:51	65.3	24/3/2013 19:56	62.5	26/3/2013 21:01	65.4
20/3/2013 20:46	63.5	22/3/2013 21:51	63.3	24/3/2013 10:56	65.2	24/3/2013 20:01	62.7	26/3/2013 21:06	65.8
20/3/2013 20:51	64.7	22/3/2013 21:56	62.7	24/3/2013 11:01	65.9	24/3/2013 20:06	62.6	26/3/2013 21:11	64.9
20/3/2013 20:56	63.4	22/3/2013 22:01	63.3	24/3/2013 11:06	64.9	24/3/2013 20:11	62.3	26/3/2013 21:16	65.0
20/3/2013 21:01	64.0	22/3/2013 22:06	63.6	24/3/2013 11:11	65.3	24/3/2013 20:16	62.5	26/3/2013 21:21	65.5
20/3/2013 21:06	64.1	22/3/2013 22:11	63.6	24/3/2013 11:16	66.4	24/3/2013 20:21	62.6	26/3/2013 21:26	65.5
20/3/2013 21:11	63.9	22/3/2013 22:16	63.4	24/3/2013 11:21	63.9	24/3/2013 20:26	62.8	26/3/2013 21:31	65.9
20/3/2013 21:16	64.5	22/3/2013 22:21	64.4	24/3/2013 11:26	64.0	24/3/2013 20:31	62.3	26/3/2013 21:36	65.6
20/3/2013 21:21	63.8	22/3/2013 22:26	65.2	24/3/2013 11:31	64.2	24/3/2013 20:36	62.0	26/3/2013 21:41	65.5
20/3/2013 21:26	63.6	22/3/2013 22:31	63.4	24/3/2013 11:36	64.1	24/3/2013 20:41	63.7	26/3/2013 21:46	65.0
20/3/2013 21:31	64.4	22/3/2013 22:36	64.5	24/3/2013 11:41	63.4	24/3/2013 20:46	62.6	26/3/2013 21:51	65.1
20/3/2013 21:36	63.7	22/3/2013 22:41	64.1	24/3/2013 11:46	62.8	24/3/2013 20:51	62.6	26/3/2013 21:56	65.4
20/3/2013 21:41	63.5	22/3/2013 22:46	63.5	24/3/2013 11:51	62.8	24/3/2013 20:56	63.1	26/3/2013 22:01	66.5
20/3/2013 21:46	63.3	22/3/2013 22:51	62.9	24/3/2013 11:56	62.9	24/3/2013 21:01	62.2	26/3/2013 22:06	65.8
20/3/2013 21:51	63.1	22/3/2013 22:56	63.1	24/3/2013 12:01	63.8	24/3/2013 21:06	62.4	26/3/2013 22:11	65.1
20/3/2013 21:56	63.7	23/3/2013 19:01	63.2	24/3/2013 12:06	63.4	24/3/2013 21:11	62.8	26/3/2013 22:16	65.8
20/3/2013 22:01	63.5	23/3/2013 19:06	63.2	24/3/2013 12:11	63.4	24/3/2013 21:16	62.9	26/3/2013 22:21	65.2
20/3/2013 22:06	64.4	23/3/2013 19:11	64.0	24/3/2013 12:16	63.3	24/3/2013 21:21	62.8	26/3/2013 22:26	64.8
20/3/2013 22:11	63.4	23/3/2013 19:16	63.4	24/3/2013 12:21	63.5	24/3/2013 21:26	63.2	26/3/2013 22:31	65.2
20/3/2013 22:16	64.6	23/3/2013 19:21	63.9	24/3/2013 12:26	64.1	24/3/2013 21:31	63.6	26/3/2013 22:36	65.0
20/3/2013 22:21	63.7	23/3/2013 19:26	64.7	24/3/2013 12:31	63.3	24/3/2013 21:36	62.9	26/3/2013 22:41	65.1
20/3/2013 22:26	63.6	23/3/2013 19:31	64.0	24/3/2013 12:36	63.8	24/3/2013 21:41	62.6	26/3/2013 22:46	64.7
20/3/2013 22:31	64.2	23/3/2013 19:36	63.8	24/3/2013 12:41	63.9	24/3/2013 21:46	62.6	26/3/2013 22:51	64.9
20/3/2013 22:36	63.8	23/3/2013 19:41	64.2	24/3/2013 12:46	64.4	24/3/2013 21:51	61.9	26/3/2013 22:56	64.2
20/3/2013 22:41	63.6	23/3/2013 19:46	63.9	24/3/2013 12:51	63.9	24/3/2013 21:56	63.1	27/3/2013 19:01	65.3
20/3/2013 22:46	63.4	23/3/2013 19:51	63.8	24/3/2013 12:56	63.5	24/3/2013 22:01	62.8	27/3/2013 19:06	65.2
20/3/2013 22:51	63.2	23/3/2013 19:56	63.3	24/3/2013 13:01	63.7	24/3/2013 22:06	63.4	27/3/2013 19:11	65.1
20/3/2013 22:56	63.4	23/3/2013 20:01	63.6	24/3/2013 13:06	63.9	24/3/2013 22:11	62.5	27/3/2013 19:16	64.5
21/3/2013 19:01	65.2	23/3/2013 20:06	63.4	24/3/2013 13:11	64.3	24/3/2013 22:16	62.5	27/3/2013 19:21	64.2
21/3/2013 19:06	65.0	23/3/2013 20:11	63.2	24/3/2013 13:16	64.3	24/3/2013 22:21	62.8	27/3/2013 19:26	65.2
21/3/2013 19:11	65.0	23/3/2013 20:16	64.1	24/3/2013 13:21	63.6	24/3/2013 22:26	62.6	27/3/2013 19:31	65.2
21/3/2013 19:16	64.9	23/3/2013 20:21	64.1	24/3/2013 13:26	63.9	24/3/2013 22:31	62.9	27/3/2013 19:36	65.5
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21/3/2013 19:26	65.0	23/3/2013 20:31	63.7	24/3/2013 13:36	63.7	24/3/2013 22:41	63.8	27/3/2013 19:46	64.8
21/3/2013 19:31	67.2	23/3/2013 20:36	65.0	24/3/2013 13:41	64.1	24/3/2013 22:46	62.8	27/3/2013 19:51	65.2
21/3/2013 19:36	66.1	23/3/2013 20:41	63.8	24/3/2013 13:46	63.7	24/3/2013 22:51	62.3	27/3/2013 19:56	65.0
21/3/2013 19:41	64.8	23/3/2013 20:46	63.2	24/3/2013 13:51	63.5	24/3/2013 22:56	62.6	27/3/2013 20:01	64.7
21/3/2013 19:46	64.8	23/3/2013 20:51	62.9	24/3/2013 13:56	64.2	25/3/2013 19:01	63.0	27/3/2013 20:06	64.9
21/3/2013 19:51	65.0	23/3/2013 20:56	62.9	24/3/2013 14:01	64.3	25/3/2013 19:06	63.4	27/3/2013 20:11	65.3
21/3/2013 19:56	65.3	23/3/2013 21:01	63.8	24/3/2013 14:06	63.9	25/3/2013 19:11	63.0	27/3/2013 20:16	65.0
21/3/2013 20:01	65.7	23/3/2013 21:06	63.1	24/3/2013 14:11	64.0	25/3/2013 19:16	63.2	27/3/2013 20:21	64.7
21/3/2013 20:06	64.9	23/3/2013 21:11	63.7	24/3/2013 14:16	63.9	25/3/2013 19:21	63.6	27/3/2013 20:26	64.6
21/3/2013 20:11	64.9	23/3/2013 21:16	63.2	24/3/2013 14:21	64.0	25/3/2013 19:26	63.3	27/3/2013 20:31	64.7
21/3/2013 20:16	66.7	23/3/2013 21:21	62.8	24/3/2013 14:26	64.1	25/3/2013 19:31	64.0	27/3/2013 20:36	65.8
21/3/2013 20:21	64.6	23/3/2013 21:26	64.0	24/3/2013 14:31	63.7	25/3/2013 19:36	63.5	27/3/2013 20:41	64.3
21/3/2013 20:26	65.0	23/3/2013 21:31	62.9	24/3/2013 14:36	64.2	25/3/2013 19:41	64.1	27/3/2013 20:46	64.4
21/3/2013 20:31	64.8	23/3/2013 21:36	63.4	24/3/2013 14:41	64.8	25/3/2013 19:46	64.6	27/3/2013 20:51	64.6
21/3/2013 20:36	64.8	23/3/2013 21:41	62.8	24/3/2013 14:46	63.9	25/3/2013 19:51	64.0	27/3/2013 20:56	64.2

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
1/3/2013 1:11	62.3	2/3/2013 2:16	61.4	3/3/2013 3:21	60.0	4/3/2013 4:26	48.9	5/3/2013 5:31	60.0	6/3/2013 6:36	63.9
1/3/2013 1:16	61.6	2/3/2013 2:21	61.4	3/3/2013 3:26	60.4	4/3/2013 4:31	51.8	5/3/2013 5:36	60.0	6/3/2013 6:41	64.1
1/3/2013 1:21	62.3	2/3/2013 2:26	61.2	3/3/2013 3:31	59.1	4/3/2013 4:36	53.0	5/3/2013 5:41	60.5	6/3/2013 6:46	64.4
1/3/2013 1:26	61.8	2/3/2013 2:31	61.3	3/3/2013 3:36	60.6	4/3/2013 4:41	52.5	5/3/2013 5:46	60.5	6/3/2013 6:51	64.8
1/3/2013 1:31	62.5	2/3/2013 2:36	60.9	3/3/2013 3:41	58.6	4/3/2013 4:46	55.6	5/3/2013 5:51	60.3	6/3/2013 6:56	64.7
1/3/2013 1:36	61.6	2/3/2013 2:41	61.1	3/3/2013 3:46	59.0	4/3/2013 4:51	52.9	5/3/2013 5:56	61.1	6/3/2013 23:01	64.2
1/3/2013 1:41	61.6	2/3/2013 2:46	61.4	3/3/2013 3:51	58.7	4/3/2013 4:56	53.8	5/3/2013 6:01	61.2	6/3/2013 23:06	64.2
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1/3/2013 5:26	61.0	2/3/2013 6:31	61.3	3/3/2013 23:36	62.9	5/3/2013 0:41	63.2	6/3/2013 1:46	62.0	7/3/2013 2:51	61.2
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1/3/2013 5:46	61.1	2/3/2013 6:51	62.9	3/3/2013 23:56	62.1	5/3/2013 1:01	62.7	6/3/2013 2:06	61.6	7/3/2013 3:11	61.8
1/3/2013 5:51	61.2	2/3/2013 6:56	62.9	4/3/2013 0:01	62.8	5/3/2013 1:06	62.7	6/3/2013 2:11	62.3	7/3/2013 3:16	59.5
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1/3/2013 6:16	61.4	2/3/2013 23:21	64.0	4/3/2013 0:26	61.7	5/3/2013 1:31	61.8	6/3/2013 2:36	62.4	7/3/2013 3:41	61.1
1/3/2013 6:21	62.3	2/3/2013 23:26	64.0	4/3/2013 0:31	61.0	5/3/2013 1:36	62.2	6/3/2013 2:41	61.2	7/3/2013 3:46	60.0
1/3/2013 6:26	61.9	2/3/2013 23:31	64.5	4/3/2013 0:36	60.4	5/3/2013 1:41	61.3	6/3/2013 2:46	61.3	7/3/2013 3:51	60.2
1/3/2013 6:31	62.5	2/3/2013 23:36	64.3	4/3/2013 0:41	61.0	5/3/2013 1:46	60.4	6/3/2013 2:51	61.7	7/3/2013 3:56	60.9
1/3/2013 6:36	63.4	2/3/2013 23:41	64.9	4/3/2013 0:46	60.5	5/3/2013 1:51	61.5	6/3/2013 2:56	61.7	7/3/2013 4:01	60.3
1/3/2013 6:41	63.5	2/3/2013 23:46	64.3	4/3/2013 0:51	58.7	5/3/2013 1:56	61.3	6/3/2013 3:01	62.0	7/3/2013 4:06	59.5
1/3/2013 6:46	63.9	2/3/2013 23:51	63.7	4/3/2013 0:56	59.2	5/3/2013 2:01	61.0	6/3/2013 3:06	61.1	7/3/2013 4:11	60.2
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1/3/2013 6:56	64.3	3/3/2013 0:01	64.1	4/3/2013 1:06	60.1	5/3/2013 2:11	59.7	6/3/2013 3:16	60.3	7/3/2013 4:21	59.6
1/3/2013 23:01	64.8	3/3/2013 0:06	64.1	4/3/2013 1:11	58.9	5/3/2013 2:16	61.1	6/3/2013 3:21	60.5	7/3/2013 4:26	60.4
1/3/2013 23:06	64.7	3/3/2013 0:11	64.4	4/3/2013 1:16	58.9	5/3/2013 2:21	62.4	6/3/2013 3:26	60.5	7/3/2013 4:31	60.0
1/3/2013 23:11	64.8	3/3/2013 0:16	65.2	4/3/2013 1:21	59.4	5/3/2013 2:26	61.5	6/3/2013 3:31	61.2	7/3/2013 4:36	60.9
1/3/2013 23:16	64.8	3/3/2013 0:21									

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
7/3/2013 23:41	64.0	9/3/2013 0:46	62.7	10/3/2013 1:51	62.3	11/3/2013 2:56	60.4	12/3/2013 4:01	59.2	13/3/2013 5:06	59.5
7/3/2013 23:46	63.4	9/3/2013 0:51	62.2	10/3/2013 1:56	61.8	11/3/2013 3:01	60.8	12/3/2013 4:06	59.7	13/3/2013 5:11	60.2
7/3/2013 23:51	63.3	9/3/2013 0:56	62.8	10/3/2013 2:01	62.0	11/3/2013 3:06	61.4	12/3/2013 4:11	59.9	13/3/2013 5:16	58.8
7/3/2013 23:56	63.3	9/3/2013 1:01	63.0	10/3/2013 2:06	61.1	11/3/2013 3:11	60.4	12/3/2013 4:16	59.6	13/3/2013 5:21	59.9
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8/3/2013 0:26	63.1	9/3/2013 1:31	62.0	10/3/2013 2:36	61.3	11/3/2013 3:41	58.6	12/3/2013 4:46	59.9	13/3/2013 5:51	60.7
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Real-time Noise Data		RTN2a (Hong Kong Electric Centre)							
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14/3/2013 6:56	64.3	16/3/2013 0:01	63.9	17/3/2013 1:06	62.8	18/3/2013 2:11	59.3	19/3/2013 3:16	58.2
14/3/2013 23:01	64.1	16/3/2013 0:06	64.8	17/3/2013 1:11	62.7	18/3/2013 2:16	58.5	19/3/2013 3:21	58.7
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15/3/2013 4:31	60.1	16/3/2013 5:36	60.6	17/3/2013 6:41	62.3	18/3/2013 7:46	63.3	20/3/2013 0:51	64.0
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15/3/2013 4:41	63.4	16/3/2013 5:46	61.1	17/3/2013 6:51	63.4	18/3/2013 7:56	63.0	20/3/2013 1:01	62.8
15/3/2013 4:46	59.7	16/3/2013 5:51	61.6	17/3/2013 6:56	63.8	19/3/2013 8:01	63.2	20/3/2013 1:06	62.8
15/3/2013 4:51	60.5	16/3/2013 5:56	62.0	17/3/2013 7:01	63.3	19/3/2013 8:06	63.4	20/3/2013 1:11	63.1
15/3/2013 4:56	60.2	16/3/2013 6:01	61.7	17/3/2013 7:06	63.8	19/3/2013 8:11	63.1	20/3/2013 1:16	62.6
15/3/2013 5:01	60.9	16/3/2013 6:06	61.4	17/3/2013 7:11	63.2	19/3/2013 8:16	62.6	20/3/2013 1:21	63.1
15/3/2013 5:06	60.9	16/3/2013 6:11	61.8	17/3/2013 7:16	63.4	19/3/2013 8:21	62.4	20/3/2013 1:26	62.2
15/3/2013 5:11	60.4	16/3/2013 6:16	61.4	17/3/					

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
21/3/2013 4:41	58.9	22/3/2013 5:46	62.3	23/3/2013 6:51	64.7	24/3/2013 23:56	63.5	26/3/2013 1:01	63.0	27/3/2013 2:06	62.3
21/3/2013 4:46	59.4	22/3/2013 5:51	61.9	23/3/2013 6:56	64.2	25/3/2013 0:01	63.2	26/3/2013 1:06	62.5	27/3/2013 2:11	62.4
21/3/2013 4:51	60.2	22/3/2013 5:56	61.7	23/3/2013 23:01	64.1	25/3/2013 0:06	63.7	26/3/2013 1:11	61.7	27/3/2013 2:16	62.3
21/3/2013 4:56	59.5	22/3/2013 6:01	62.3	23/3/2013 23:06	64.2	25/3/2013 0:11	63.3	26/3/2013 1:16	64.0	27/3/2013 2:21	61.9
21/3/2013 5:01	61.0	22/3/2013 6:06	61.4	23/3/2013 23:11	64.3	25/3/2013 0:16	63.5	26/3/2013 1:21	62.0	27/3/2013 2:26	61.9
21/3/2013 5:06	59.7	22/3/2013 6:11	62.3	23/3/2013 23:16	65.1	25/3/2013 0:21	63.2	26/3/2013 1:26	61.5	27/3/2013 2:31	62.1
21/3/2013 5:11	59.8	22/3/2013 6:16	62.4	23/3/2013 23:21	64.8	25/3/2013 0:26	63.5	26/3/2013 1:31	61.8	27/3/2013 2:36	61.9
21/3/2013 5:16	60.9	22/3/2013 6:21	62.5	23/3/2013 23:26	64.8	25/3/2013 0:31	62.9	26/3/2013 1:36	62.3	27/3/2013 2:41	62.2
21/3/2013 5:21	60.8	22/3/2013 6:26	63.3	23/3/2013 23:31	64.7	25/3/2013 0:36	62.4	26/3/2013 1:41	61.8	27/3/2013 2:46	61.6
21/3/2013 5:26	61.0	22/3/2013 6:31	63.2	23/3/2013 23:36	64.7	25/3/2013 0:41	62.3	26/3/2013 1:46	61.8	27/3/2013 2:51	61.9
21/3/2013 5:31	60.7	22/3/2013 6:36	63.7	23/3/2013 23:41	64.3	25/3/2013 0:46	63.0	26/3/2013 1:51	61.8	27/3/2013 2:56	61.6
21/3/2013 5:36	60.9	22/3/2013 6:41	64.3	23/3/2013 23:46	64.0	25/3/2013 0:51	62.3	26/3/2013 1:56	61.4	27/3/2013 3:01	61.1
21/3/2013 5:41	60.7	22/3/2013 6:46	64.3	23/3/2013 23:51	63.7	25/3/2013 0:56	61.7	26/3/2013 2:01	61.3	27/3/2013 3:06	61.4
21/3/2013 5:46	60.9	22/3/2013 6:51	65.1	23/3/2013 23:56	64.3	25/3/2013 1:01	61.5	26/3/2013 2:06	61.3	27/3/2013 3:11	61.2
21/3/2013 5:51	61.5	22/3/2013 6:56	64.9	24/3/2013 0:01	64.2	25/3/2013 1:06	61.2	26/3/2013 2:11	61.4	27/3/2013 3:16	61.3
21/3/2013 5:56	61.4	22/3/2013 23:01	64.7	24/3/2013 0:06	63.8	25/3/2013 1:11	61.7	26/3/2013 2:16	61.3	27/3/2013 3:21	60.9
21/3/2013 6:01	61.7	22/3/2013 23:06	64.6	24/3/2013 0:11	63.9	25/3/2013 1:16	61.6	26/3/2013 2:21	61.2	27/3/2013 3:26	61.2
21/3/2013 6:06	61.5	22/3/2013 23:11	64.8	24/3/2013 0:16	64.0	25/3/2013 1:21	61.2	26/3/2013 2:26	60.9	27/3/2013 3:31	60.9
21/3/2013 6:11	62.1	22/3/2013 23:16	64.5	24/3/2013 0:21	64.0	25/3/2013 1:26	61.4	26/3/2013 2:31	60.9	27/3/2013 3:36	61.1
21/3/2013 6:16	62.3	22/3/2013 23:21	65.8	24/3/2013 0:26	63.8	25/3/2013 1:31	60.8	26/3/2013 2:36	60.8	27/3/2013 3:41	60.5
21/3/2013 6:21	62.5	22/3/2013 23:26	64.8	24/3/2013 0:31	63.7	25/3/2013 1:36	61.4	26/3/2013 2:41	60.8	27/3/2013 3:46	60.8
21/3/2013 6:26	63.1	22/3/2013 23:31	64.4	24/3/2013 0:36	63.9	25/3/2013 1:41	60.8	26/3/2013 2:46	60.5	27/3/2013 3:51	61.3
21/3/2013 6:31	62.6	22/3/2013 23:36	64.5	24/3/2013 0:41	63.5	25/3/2013 1:46	60.7	26/3/2013 2:51	60.3	27/3/2013 3:56	60.8
21/3/2013 6:36	63.3	22/3/2013 23:41	64.4	24/3/2013 0:46	63.6	25/3/2013 1:51	60.3	26/3/2013 2:56	60.6	27/3/2013 4:01	60.2
21/3/2013 6:41	64.0	22/3/2013 23:46	64.5	24/3/2013 0:51	62.6	25/3/2013 1:56	61.0	26/3/2013 3:01	60.5	27/3/2013 4:06	61.0
21/3/2013 6:46	64.1	22/3/2013 23:51	64.2	24/3/2013 0:56	63.3	25/3/2013 2:01	60.3	26/3/2013 3:06	60.2	27/3/2013 4:11	61.1
21/3/2013 6:51	64.5	22/3/2013 23:56	64.2	24/3/2013 1:01	62.7	25/3/2013 2:06	60.1	26/3/2013 3:11	59.5	27/3/2013 4:16	60.2
21/3/2013 6:56	64.4	23/3/2013 0:01	64.3	24/3/2013 1:06	62.9	25/3/2013 2:11	60.9	26/3/2013 3:16	60.8	27/3/2013 4:21	60.0
21/3/2013 23:01	65.7	23/3/2013 0:06	64.4	24/3/2013 1:11	62.4	25/3/2013 2:16	60.6	26/3/2013 3:21	59.8	27/3/2013 4:26	60.8
21/3/2013 23:06	64.7	23/3/2013 0:11	64.4	24/3/2013 1:16	62.5	25/3/2013 2:21	60.2	26/3/2013 3:26	60.2	27/3/2013 4:31	62.5
21/3/2013 23:11	64.6	23/3/2013 0:16	64.0	24/3/2013 1:21	62.7	25/3/2013 2:26	60.4	26/3/2013 3:31	59.8	27/3/2013 4:36	65.9
21/3/2013 23:16	64.7	23/3/2013 0:21	63.9	24/3/2013 1:26	62.7	25/3/2013 2:31	59.8	26/3/2013 3:36	59.9	27/3/2013 4:41	60.9
21/3/2013 23:21	64.4	23/3/2013 0:26	63.7	24/3/2013 1:31	62.6	25/3/2013 2:36	59.8	26/3/2013 3:41	59.1	27/3/2013 4:46	60.3
21/3/2013 23:26	63.5	23/3/2013 0:31	63.8	24/3/2013 1:36	62.8	25/3/2013 2:41	59.2	26/3/2013 3:46	59.7	27/3/2013 4:51	60.8
21/3/2013 23:31	62.6	23/3/2013 0:36	64.1	24/3/2013 1:41	62.8	25/3/2013 2:46	59.8	26/3/2013 3:51	59.6	27/3/2013 4:56	61.1
21/3/2013 23:36	61.3	23/3/2013 0:41	63.9	24/3/2013 1:46	61.8	25/3/2013 2:51	59.6	26/3/2013 3:56	59.8	27/3/2013 5:01	60.6
21/3/2013 23:41	61.4	23/3/2013 0:46	63.8	24/3/2013 1:51	62.5	25/3/2013 2:56	59.4	26/3/2013 4:01	59.3	27/3/2013 5:06	60.9
21/3/2013 23:46	61.2	23/3/2013 0:51	63.9	24/3/2013 1:56	62.3	25/3/2013 3:01	59.3	26/3/2013 4:06	59.1	27/3/2013 5:11	61.5
21/3/2013 23:51	61.3	23/3/2013 0:56	63.6	24/3/2013 2:01	62.7	25/3/2013 3:06	59.0	26/3/2013 4:11	59.1	27/3/2013 5:16	61.4
21/3/2013 23:56	62.6	23/3/2013 1:01	63.0	24/3/2013 2:06	62.3	25/3/2013 3:11	59.2	26/3/2013 4:16	59.0	27/3/2013 5:21	61.3
22/3/2013 0:01	69.6	23/3/2013 1:06	63.3	24/3/2013 2:11	61.8	25/3/2013 3:16	59.6	26/3/2013 4:21	59.3	27/3/2013 5:26	62.6
22/3/2013 0:06	67.0	23/3/2013 1:11	62.7	24/3/2013 2:16	62.1	25/3/2013 3:21	59.0	26/3/2013 4:26	60.0	27/3/2013 5:31	61.8
22/3/2013 0:11	68.4	23/3/2013 1:16	62.8	24/3/2013 2:21	62.3	25/3/2013 3:26	59.6	26/3/2013 4:31	59.8	27/3/2013 5:36	61.3
22/3/2013 0:16	68.6	23/3/2013 1:21	63.1	24/3/2013 2:26	62.0	25/3/2013 3:31	59.2	26/3/2013 4:36	59.6	27/3/2013 5:41	62.2
22/3/2013 0:21	67.8	23/3/2013 1:26	62.5	24/3/2013 2:31	61.8	25/3/2013 3:36	60.3	26/3/2013 4:41	60.0	27/3/2013 5:46	61.7
22/3/2013 0:26	66.4	23/3/2013 1:31	62.7	24/3/2013 2:36	61.3	25/3/2013 3:41	58.7	26/3/2013 4:46	59.7	27/3/2013 5:51	62.8
22/3/2013 0:31	63.9	23/3/2013 1:36	62.7	24/3/2013 2:41	61.5	25/3/2013 3:46	58.8	26/3/2013 4:51	59.8	27/3/2013 5:56	62.1
22/3/2013 0:36	61.1	23/3/2013 1:41	62.8	24/3/2013 2:46	61.6	25/3/2013 3:51	59.1	26/3/2013 4:56	59.8	27/3/2013 6:01	62.6
22/3/2013 0:41	61.6	23/3/2013 1:46	62.2	24/3/2013 2:51	61.6	25/3/2013 3:56	59.3	26/3/2013 5:01	60.7	27/3/2013 6:06	62.4
22/3/2013 0:46	62.3	23/3/2013 1:51	62.7	24/3/2013 2:56	61.0	25/3/2013 4:01	58.5	26/3/2013 5:06	61.6	27/3/2013 6:11	63.2
22/3/2013 0:51	62.8	23/3/2013 1:56	62.1	24/3/2013 3:01	60.9	25/3/2013 4:06	58.6	26/3/2013 5:11	60.4	27/3/2013 6:16	63.8
22/3/2013 0:56	63.1	23/3/2013 2:01	62.5	24/3/2013 3:06	61.5	25/3/2013 4:11	58.7	26/3/2013 5:16	60.4	27/3/2013 6:21	64.5
22/3/2013 1:01	62.9	23/3/2013 2:06	62.3	24/3/2013 3:11	61.3	25/3/2013 4:16	58.9	26/3/2013 5:21	61.1	27/3/2013 6:26	64.2
22/3/2013 1:06	63.2	23/3/2013 2:11	61.7	24/3/2013 3:16	61.7	25/3/2013 4:21	59.5	26/3/2013 5:26	60.5	27/3/2013 6:31	64.5
22/3/2013 1:11	62.4	23/3/2013 2:16	62.4	24/3/2013 3:21	61.6	25/3/2013 4:26	58.6	26/3/2013 5:31	60.7	27/3/2013 6:36	64.4
22/3/2013 1:16	62.5	23/3/2013 2:21	62.7	24/3/2013 3:26	61.2	25/3/2013 4:31	59.0	26/3/2013 5:36	61.2	27/3/2013 6:41	64.9
22/3/2013 1:21	62.7	23/3/2013 2:26	61.7	24/3/2013 3:31	60.9	25/3/2013 4:36	59.4	26/3/2013 5:41	61.6	27/3/2013 6:46	65.3
22/3/2013 1:26	62.2	23/3/2013 2:31	62.1	24/3/2013 3:36	60.9	25/3/2013 4:41	59.3	26/3/2013 5:46	61.5	27/3/2013 6:51	65.4
22/3/2013 1:31	63.0	23/3/2013 2:36	61.7	24/3/2013 3:41	60.7	25/3/2013 4:46	58.8	26/3/2013 5:51	62.0	27/3/2013 6:56	65.7
22/3/2013 1:36	61.8	23/3/2013 2:41	62.2	24/3/2013 3:46	61.1	25/3/2013 4:51	59.7	26/3/2013 5:56	62.1	27/3/2013 23:01	65.2
22/3/2013 1:41	62.3	23/3/2013 2:46	61.9	24/3/2013 3:51	61.0	25/3/2013 4:56	59.0	26/3/2013 6:01	61.9	27/3/2013 23:06	65.2
22/3/2013 1:46	61.9	23/3/2013 2:51	61.6	24/3/2013 3:56	60.6	25/3/2013 5:01	59.4	26/3/2013 6:06	63.0	27/3/2013 23:11	65.6
22/3/2013 1:51	62.1	23/3/2013 2:56	61.3	24/3/2013 4:01	60.6	25/3/2013 5:06	60.3	26/3/2013 6:11	62.3	27/3/2013 23:16	64.8
22/3/2013 1:56	62.1	23/3/2013 3:01	61.6	24/3/2013 4:06	60.8	25/3/2013 5:11	59.7	26/3/2013 6:16	63.5	27/3/2013 23:21	64.7
22/3/2013 2:01	61.9	23/3/2013 3:06	61.4	24/3/2013 4:11	60.8	25/3/2013 5:16	59.5	26/3/2013 6:21	63.1	27/3/2013 23:26	64.6
22/3/2013 2:06	61.7	23/3/2013 3:11	61.6	24/3/2013 4:16	60.3	25/3/2013 5:21	60.0	26/3/2013 6:26	64.1	27/3/2013 23:31	64.8
22/3/2013 2:11	62.2	23/3/2013 3:16	61.1	24/3/2013 4:21	61.1	25/3/2013 5:26	60.5	26/3/2013 6:31	63.8	27/3/2013 23:36	64.3
22/3/2013 2:16	61.5	23/3/2013 3:21	61.1	24/3/2013 4:26	60.7	25/3/2013 5:31	61.1	26/3/2013 6:36	64.2	27/3/2013 23:41	64.7
22/3/2013 2:21	61.6	23/3/2013 3:26	61.6	24/3/2013 4:31	61.2	25/3/2013 5:36	61.0	26/3/2013 6:41	64.5	27/3/2013 23:46	64.2
22/3/2013 2:26	61.6	23/3/2013 3:31	61.3	24/3/2013 4:36	61.0	25/3/2013 5:41	61.0	26/3/2013 6:46	64.8	27/3/2013 23:51	64.5
22/3/2013 2:31	61.3	23/3/2013 3:36	60.6	24/3/2013 4:41	60.8	25/3/2013 5:46	61.1	26/			



Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
1/3/2013 20:51	62.3	3/3/2013 9:56	64.9	3/3/2013 19:01	61.1	5/3/2013 20:06	63.5	7/3/2013 21:11	61.0	9/3/2013 22:16	54.9
1/3/2013 20:56	58.1	3/3/2013 10:01	66.3	3/3/2013 19:06	62.5	5/3/2013 20:11	63.1	7/3/2013 21:16	56.1	9/3/2013 22:21	59.6
1/3/2013 21:01	61.1	3/3/2013 10:06	63.5	3/3/2013 19:11	63.5	5/3/2013 20:16	62.1	7/3/2013 21:21	63.2	9/3/2013 22:26	61.2
1/3/2013 21:06	61.7	3/3/2013 10:11	63.4	3/3/2013 19:16	61.6	5/3/2013 20:21	62.6	7/3/2013 21:26	60.7	9/3/2013 22:31	61.2
1/3/2013 21:11	63.8	3/3/2013 10:16	63.8	3/3/2013 19:21	62.9	5/3/2013 20:26	62.8	7/3/2013 21:31	62.0	9/3/2013 22:36	57.7
1/3/2013 21:16	65.3	3/3/2013 10:21	63.5	3/3/2013 19:26	62.0	5/3/2013 20:31	63.9	7/3/2013 21:36	61.2	9/3/2013 22:41	60.7
1/3/2013 21:21	62.3	3/3/2013 10:26	65.0	3/3/2013 19:31	61.6	5/3/2013 20:36	63.6	7/3/2013 21:41	59.8	9/3/2013 22:46	60.2
1/3/2013 21:26	59.4	3/3/2013 10:31	64.9	3/3/2013 19:36	62.7	5/3/2013 20:41	62.2	7/3/2013 21:46	60.5	9/3/2013 22:51	61.1
1/3/2013 21:31	57.5	3/3/2013 10:36	64.1	3/3/2013 19:41	59.7	5/3/2013 20:46	61.7	7/3/2013 21:51	58.7	9/3/2013 22:56	62.2
1/3/2013 21:36	61.0	3/3/2013 10:41	62.9	3/3/2013 19:46	61.8	5/3/2013 20:51	60.2	7/3/2013 21:56	60.1	10/3/2013 7:01	65.0
1/3/2013 21:41	60.0	3/3/2013 10:46	64.7	3/3/2013 19:51	61.2	5/3/2013 20:56	59.8	7/3/2013 22:01	56.9	10/3/2013 7:06	64.6
1/3/2013 21:46	59.8	3/3/2013 10:51	62.5	3/3/2013 19:56	59.6	5/3/2013 21:01	58.3	7/3/2013 22:06	58.0	10/3/2013 7:11	64.6
1/3/2013 21:51	61.5	3/3/2013 10:56	63.1	3/3/2013 20:01	65.2	5/3/2013 21:06	60.3	7/3/2013 22:11	62.2	10/3/2013 7:16	69.0
1/3/2013 21:56	59.2	3/3/2013 11:01	63.4	3/3/2013 20:06	62.3	5/3/2013 21:11	58.7	7/3/2013 22:16	60.0	10/3/2013 7:21	61.0
1/3/2013 22:01	62.7	3/3/2013 11:06	65.0	3/3/2013 20:11	61.3	5/3/2013 21:16	62.5	7/3/2013 22:21	61.2	10/3/2013 7:26	65.5
1/3/2013 22:06	60.8	3/3/2013 11:11	63.9	3/3/2013 20:16	63.0	5/3/2013 21:21	60.2	7/3/2013 22:26	58.7	10/3/2013 7:31	65.6
1/3/2013 22:11	61.3	3/3/2013 11:16	64.5	3/3/2013 20:21	59.1	5/3/2013 21:26	59.3	7/3/2013 22:31	59.4	10/3/2013 7:36	66.1
1/3/2013 22:16	61.8	3/3/2013 11:21	64.7	3/3/2013 20:26	59.5	5/3/2013 21:31	59.1	7/3/2013 22:36	61.9	10/3/2013 7:41	66.0
1/3/2013 22:21	61.6	3/3/2013 11:26	63.6	3/3/2013 20:31	60.6	5/3/2013 21:36	60.8	7/3/2013 22:41	53.9	10/3/2013 7:46	65.1
1/3/2013 22:26	64.9	3/3/2013 11:31	64.1	3/3/2013 20:36	61.7	5/3/2013 21:41	61.8	7/3/2013 22:46	61.4	10/3/2013 7:51	65.7
1/3/2013 22:31	63.6	3/3/2013 11:36	65.9	3/3/2013 20:41	57.1	5/3/2013 21:46	59.5	7/3/2013 22:51	58.2	10/3/2013 7:56	66.2
1/3/2013 22:36	61.7	3/3/2013 11:41	64.9	3/3/2013 20:46	61.7	5/3/2013 21:51	59.6	7/3/2013 22:56	61.8	10/3/2013 8:01	54.2
1/3/2013 22:41	61.4	3/3/2013 11:46	65.5	3/3/2013 20:51	61.5	5/3/2013 21:56	58.1	8/3/2013 19:01	63.7	10/3/2013 8:06	56.5
1/3/2013 22:46	64.1	3/3/2013 11:51	64.5	3/3/2013 20:56	59.5	5/3/2013 22:01	59.6	8/3/2013 19:06	62.8	10/3/2013 8:11	63.8
1/3/2013 22:51	63.0	3/3/2013 11:56	64.4	3/3/2013 21:01	60.2	5/3/2013 22:06	52.0	8/3/2013 19:11	62.4	10/3/2013 8:16	61.0
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2/3/2013 22:36	59.7	3/3/2013 15:41	64.5	4/3/2013 20:46	62.2	6/3/2013 21:51	58.0	8/3/2013 22:56	57.7	10/3/2013 12:01	62.9
2/3/2013 22:41	60.9	3/3/2013 15:46	60.5	4/3/2013 20:51	63.5	6/3/2013 21:56	60.4	9/3/2013 19:01	61.7	10/3/2013 12:06	



Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
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10/3/2013 15:26	62.0	11/3/2013 20:31	65.6	13/3/2013 21:36	66.5	15/3/2013 22:41	54.6	17/3/2013 11:46	62.0	17/3/2013 20:51	66.2
10/3/2013 15:31	62.9	11/3/2013 20:36	60.1	13/3/2013 21:41	55.2	15/3/2013 22:46	55.5	17/3/2013 11:51	59.6	17/3/2013 20:56	66.3
10/3/2013 15:36	64.8	11/3/2013 20:41	56.6	13/3/2013 21:46	43.1	15/3/2013 22:51	55.7	17/3/2013 11:56	58.1	17/3/2013 21:01	66.2
10/3/2013 15:41	62.0	11/3/2013 20:46	52.2	13/3/2013 21:51	66.3	15/3/2013 22:56	56.1	17/3/2013 12:01	56.7	17/3/2013 21:06	66.2
10/3/2013 15:46	59.6	11/3/2013 20:51	58.7	13/3/2013 21:56	66.4	16/3/2013 19:01	58.1	17/3/2013 12:06	51.3	17/3/2013 21:11	50.6
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10/3/2013 19:56	59.0	12/3/2013 21:01	62.0	14/3/2013 22:06	54.9	17/3/2013 7:11	65.1	17/3/2013 16:16	55.3	18/3/2013 21:21	66.3
10/3/2013 20:01	57.9	12/3/2013 21:06	46.2	14/3/2013 22:11	66.3	17/3/2013 7:16	66.2	17/3/2013 16:21	51.0	18/3/2013 21:26	51.3
10/3/2013 20:06	55.0	12/3/2013 21:11	66.4	14/3/2013 22:16	66.4	17/3/2013 7:21	64.8	17/3/2013 16:26	55.0	18/3/2013 21:31	66.3
10/3/2013 20:11	48.6	12/3/2013 21:16	54.6	14/3/2013 22:21	66.4	17/3/2013 7:26	64.6	17/3/2013 16:31	50.2	18/3/2013 21:36	53.9
10/3/2013 20:16	50.6	12/3/2013 21:21	54.6	14/3/2013 22:26	57.8	17/3/2013 7:31	66.0	17/3/2013 16:36	55.5	18/3/2013 21:41	66.2
10/3/2013 20:21	57.5	12/3/2013 21:26	66.2	14/3/2013 22:31	66.4	17/3/2013 7:36	65.2	17/3/2013 16:41	56.8	18/3/2013 21:46	66.4
10/3/2013 20:26	59.5	12/3/2013 21:31	50.2	14/3/2013 22:36	66.4	17/3/2013 7:41	65.2	17/3/2013 16:46	50.6	18/3/2013 21:51	47.9
10/3/2013 20:31	53.9	12/3/2013 21:36	54.6	14/3/2013 22:41	56.9	17/3/2013 7:46	65.2	17/3/2013 16:51	60.6	18/3/2013 21:56	66.3
10/3/2013 20:36	63.0	12/3/2013 21:41	66.4	14/3/2013 22:46	66.3	17/3/2013 7:51	65.9	17/3/2013 16:56	57.3	18/3/2013 22:01	66.1
10/3/2013 20:41	66.2	12/3/2013 21:46	66.3	14/3/2013 22:51	51.0	17/3/2013 7:56	65.7	17/3/2013 17:01	58.1	18/3/2013 22:06	49.7
10/3/2013 20:46	40.1	12/3/2013 21:51	56.9	14/3/2013 22:56	43.1	17/3/2013 8:01	65.3	17/3/2013 17:06	52.5	18/3/2013 22:11	56.3
10/3/2013 20:51	54.0	12/3/2013 21:56	66.4	15/3/2013 19:01	63.0	17/3/2013 8:06	65.3	17/3/2013 17:11	57.2	18/3/2013 22:16	55.9
10/3/2013 20:56	63.7	12/3/2013 22:01	66.5	15/3/2013 19:06	62.2	17/3/2013 8:11	65.4	17/3/2013 17:16	62.7	18/3/2013 22:21	66.4
10/3/2013 21:01	56.0	12/3/2013 22:06	44.9	15/3/2013 19:11	60.9	17/3/2013 8:16	65.9	17/3/2013 17:21			

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
19/3/2013 21:51	65.2	21/3/2013 22:56	57.5	24/3/2013 8:01	65.2	24/3/2013 17:06	57.8	25/3/2013 22:11	50.6	28/2/2013 0:06	63.5
19/3/2013 21:56	65.1	22/3/2013 19:01	65.5	24/3/2013 8:06	66.1	24/3/2013 17:11	57.2	25/3/2013 22:16	53.0	28/2/2013 0:11	63.2
19/3/2013 22:01	64.1	22/3/2013 19:06	66.3	24/3/2013 8:11	65.1	24/3/2013 17:16	59.4	25/3/2013 22:21	66.3	28/2/2013 0:16	62.4
19/3/2013 22:06	63.8	22/3/2013 19:11	66.3	24/3/2013 8:16	66.1	24/3/2013 17:21	59.6	25/3/2013 22:26	52.8	28/2/2013 0:21	63.2
19/3/2013 22:11	63.7	22/3/2013 19:16	63.6	24/3/2013 8:21	55.3	24/3/2013 17:26	61.5	25/3/2013 22:31	52.2	28/2/2013 0:26	61.8
19/3/2013 22:16	64.6	22/3/2013 19:21	63.8	24/3/2013 8:26	66.3	24/3/2013 17:31	64.2	25/3/2013 22:36	54.9	28/2/2013 0:31	63.1
19/3/2013 22:21	65.2	22/3/2013 19:26	63.4	24/3/2013 8:31	66.0	24/3/2013 17:36	62.1	25/3/2013 22:41	54.6	28/2/2013 0:36	60.1
19/3/2013 22:26	64.6	22/3/2013 19:31	63.5	24/3/2013 8:36	66.1	24/3/2013 17:41	61.9	25/3/2013 22:46	66.1	28/2/2013 0:41	61.8
19/3/2013 22:31	64.8	22/3/2013 19:36	64.4	24/3/2013 8:41	65.9	24/3/2013 17:46	59.3	25/3/2013 22:51	51.7	28/2/2013 0:46	58.4
19/3/2013 22:36	64.2	22/3/2013 19:41	65.7	24/3/2013 8:46	65.9	24/3/2013 17:51	57.1	25/3/2013 22:56	52.5	28/2/2013 0:51	59.6
19/3/2013 22:41	63.5	22/3/2013 19:46	65.8	24/3/2013 8:51	51.0	24/3/2013 17:56	57.1	26/3/2013 19:01	65.3	28/2/2013 0:56	58.0
19/3/2013 22:46	65.4	22/3/2013 19:51	60.3	24/3/2013 8:56	55.2	24/3/2013 18:01	60.8	26/3/2013 19:06	66.2	28/2/2013 1:01	50.6
19/3/2013 22:51	64.0	22/3/2013 19:56	59.4	24/3/2013 9:01	54.4	24/3/2013 18:06	58.4	26/3/2013 19:11	57.7	28/2/2013 1:06	56.6
19/3/2013 22:56	64.3	22/3/2013 20:01	60.1	24/3/2013 9:06	58.0	24/3/2013 18:11	62.6	26/3/2013 19:16	64.1	28/2/2013 1:11	51.3
20/3/2013 19:01	60.7	22/3/2013 20:06	62.3	24/3/2013 9:11	66.3	24/3/2013 18:16	62.7	26/3/2013 19:21	66.3	28/2/2013 1:16	54.7
20/3/2013 19:06	61.0	22/3/2013 20:11	59.3	24/3/2013 9:16	66.3	24/3/2013 18:21	62.3	26/3/2013 19:26	66.9	28/2/2013 1:21	63.1
20/3/2013 19:11	62.8	22/3/2013 20:16	60.7	24/3/2013 9:21	66.0	24/3/2013 18:26	61.2	26/3/2013 19:31	67.2	28/2/2013 1:26	63.0
20/3/2013 19:16	61.5	22/3/2013 20:21	60.1	24/3/2013 9:26	65.7	24/3/2013 18:31	59.8	26/3/2013 19:36	66.9	28/2/2013 1:31	56.2
20/3/2013 19:21	63.1	22/3/2013 20:26	60.5	24/3/2013 9:31	65.7	24/3/2013 18:36	62.2	26/3/2013 19:41	67.1	28/2/2013 1:36	62.7
20/3/2013 19:26	61.2	22/3/2013 20:31	60.7	24/3/2013 9:36	65.5	24/3/2013 18:41	60.1	26/3/2013 19:46	66.7	28/2/2013 1:41	63.0
20/3/2013 19:31	62.9	22/3/2013 20:36	58.5	24/3/2013 9:41	65.5	24/3/2013 18:46	58.0	26/3/2013 19:51	66.5	28/2/2013 1:46	61.7
20/3/2013 19:36	61.7	22/3/2013 20:41	61.8	24/3/2013 9:46	64.8	24/3/2013 18:51	58.1	26/3/2013 19:56	67.1	28/2/2013 1:51	62.4
20/3/2013 19:41	62.2	22/3/2013 20:46	60.0	24/3/2013 9:51	64.6	24/3/2013 18:56	47.1	26/3/2013 20:01	65.9	28/2/2013 1:56	62.5
20/3/2013 19:46	62.3	22/3/2013 20:51	55.5	24/3/2013 9:56	65.4	24/3/2013 19:01	55.9	26/3/2013 20:06	66.2	28/2/2013 2:01	62.6
20/3/2013 19:51	62.0	22/3/2013 20:56	60.1	24/3/2013 10:01	65.7	24/3/2013 19:06	59.8	26/3/2013 20:11	66.3	28/2/2013 2:06	62.3
20/3/2013 19:56	59.7	22/3/2013 21:01	60.9	24/3/2013 10:06	65.1	24/3/2013 19:11	56.9	26/3/2013 20:16	66.6	28/2/2013 2:11	61.5
20/3/2013 20:01	62.7	22/3/2013 21:06	58.5	24/3/2013 10:11	44.9	24/3/2013 19:16	56.7	26/3/2013 20:21	66.6	28/2/2013 2:16	61.3
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20/3/2013 20:11	61.9	22/3/2013 21:16	64.3	24/3/2013 10:21	58.4	24/3/2013 19:26	53.0	26/3/2013 20:31	66.2	28/2/2013 2:26	62.1
20/3/2013 20:16	60.3	22/3/2013 21:21	54.9	24/3/2013 10:26	54.4	24/3/2013 19:31	55.6	26/3/2013 20:36	65.8	28/2/2013 2:31	61.7
20/3/2013 20:21	59.5	22/3/2013 21:26	58.5	24/3/2013 10:31	54.6	24/3/2013 19:36	55.0	26/3/2013 20:41	65.4	28/2/2013 2:36	61.7
20/3/2013 20:26	58.6	22/3/2013 21:31	53.4	24/3/2013 10:36	55.7	24/3/2013 19:41	54.4	26/3/2013 20:46	65.3	28/2/2013 2:41	61.8
20/3/2013 20:31	61.8	22/3/2013 21:36	66.5	24/3/2013 10:41	66.4	24/3/2013 19:46	55.3	26/3/2013 20:51	67.5	28/2/2013 2:46	60.3
20/3/2013 20:36	61.5	22/3/2013 21:41	56.2	24/3/2013 10:46	53.9	24/3/2013 19:51	56.2	26/3/2013 20:56	66.4	28/2/2013 2:51	60.7
20/3/2013 20:41	58.9	22/3/2013 21:46	58.2	24/3/2013 10:51	60.2	24/3/2013 19:56	66.1	26/3/2013 21:01	65.3	28/2/2013 2:56	61.1
20/3/2013 20:46	54.7	22/3/2013 21:51	56.6	24/3/2013 10:56	60.0	24/3/2013 20:01	54.6	26/3/2013 21:06	65.8	28/2/2013 3:01	60.6
20/3/2013 20:51	59.6	22/3/2013 21:56	54.9	24/3/2013 11:01	59.8	24/3/2013 20:06	56.7	26/3/2013 21:11	64.5	28/2/2013 3:06	61.0
20/3/2013 20:56	56.8	22/3/2013 22:01	56.0	24/3/2013 11:06	59.4	24/3/2013 20:11	46.2	26/3/2013 21:16	64.9	28/2/2013 3:11	60.4
20/3/2013 21:01	60.4	22/3/2013 22:06	59.8	24/3/2013 11:11	57.3	24/3/2013 20:16	56.0	26/3/2013 21:21	65.3	28/2/2013 3:16	60.5
20/3/2013 21:06	58.3	22/3/2013 22:11	57.2	24/3/2013 11:16	61.3	24/3/2013 20:21	55.0	26/3/2013 21:26	65.0	28/2/2013 3:21	59.7
20/3/2013 21:11	55.0	22/3/2013 22:16	58.4	24/3/2013 11:21	57.1	24/3/2013 20:26	44.9	26/3/2013 21:31	66.4	28/2/2013 3:26	61.0
20/3/2013 21:16	59.6	22/3/2013 22:21	61.0	24/3/2013 11:26	60.0	24/3/2013 20:31	54.2	26/3/2013 21:36	65.4	28/2/2013 3:31	60.3
20/3/2013 21:21	55.0	22/3/2013 22:26	62.6	24/3/2013 11:31	61.4	24/3/2013 20:36	40.1	26/3/2013 21:41	66.1	28/2/2013 3:36	60.6
20/3/2013 21:26	47.9	22/3/2013 22:31	58.5	24/3/2013 11:36	61.7	24/3/2013 20:41	56.6	26/3/2013 21:46	65.9	28/2/2013 3:41	60.6
20/3/2013 21:31	61.0	22/3/2013 22:36	59.8	24/3/2013 11:41	59.6	24/3/2013 20:46	50.6	26/3/2013 21:51	65.4	28/2/2013 3:46	58.3
20/3/2013 21:36	57.2	22/3/2013 22:41	57.5	24/3/2013 11:46	57.2	24/3/2013 20:51	57.2	26/3/2013 21:56	65.5	28/2/2013 3:51	59.6
20/3/2013 21:41	59.6	22/3/2013 22:46	54.0	24/3/2013 11:51	58.0	24/3/2013 20:56	55.9	26/3/2013 22:01	66.6	28/2/2013 3:56	60.0
20/3/2013 21:46	55.0	22/3/2013 22:51	57.0	24/3/2013 11:56	58.5	24/3/2013 21:01	66.3	26/3/2013 22:06	66.4	28/2/2013 4:01	58.7
20/3/2013 21:51	55.7	22/3/2013 22:56	58.4	24/3/2013 12:01	60.6	24/3/2013 21:06	54.4	26/3/2013 22:11	65.9	28/2/2013 4:06	59.9
20/3/2013 21:56	52.0	23/3/2013 19:01	56.1	24/3/2013 12:06	60.1	24/3/2013 21:11	43.1	26/3/2013 22:16	65.7	28/2/2013 4:11	59.1
20/3/2013 22:01	47.9	23/3/2013 19:06	58.1	24/3/2013 12:11	58.0	24/3/2013 21:16	54.4	26/3/2013 22:21	65.5	28/2/2013 4:16	61.4
20/3/2013 22:06	54.2	23/3/2013 19:11	59.7	24/3/2013 12:16	56.0	24/3/2013 21:21	59.5	26/3/2013 22:26	64.7	28/2/2013 4:21	60.1
20/3/2013 22:11	66.5	23/3/2013 19:16	57.7	24/3/2013 12:21	59.6	24/3/2013 21:26	47.9	26/3/2013 22:31	65.3	28/2/2013 4:26	60.7
20/3/2013 22:16	61.4	23/3/2013 19:21	62.6	24/3/2013 12:26	64.1	24/3/2013 21:31	62.0	26/3/2013 22:36	65.4	28/2/2013 4:31	59.8
20/3/2013 22:21	58.2	23/3/2013 19:26	58.6	24/3/2013 12:31	59.4	24/3/2013 21:36	58.2	26/3/2013 22:41	66.4	28/2/2013 4:36	60.3
20/3/2013 22:26	56.6	23/3/2013 19:31	55.9	24/3/2013 12:36	60.6	24/3/2013 21:41	51.0	26/3/2013 22:46	63.8	28/2/2013 4:41	59.3
20/3/2013 22:31	56.6	23/3/2013 19:36	56.7	24/3/2013 12:41	58.9	24/3/2013 21:46	56.3	26/3/2013 22:51	64.5	28/2/2013 4:46	59.7
20/3/2013 22:36	60.1	23/3/2013 19:41	62.3	24/3/2013 12:46	58.9	24/3/2013 21:51	47.9	26/3/2013 22:56	64.3	28/2/2013 4:51	59.7
20/3/2013 22:41	57.7	23/3/2013 19:46	57.5	24/3/2013 12:51	58.6	24/3/2013 21:56	57.0	27/3/2013 19:01	64.6	28/2/2013 4:56	61.6
20/3/2013 22:46	66.3	23/3/2013 19:51	56.3	24/3/2013 12:56	58.5	24/3/2013 22:01	47.1	27/3/2013 19:06	64.8	28/2/2013 5:01	60.9
20/3/2013 22:51	57.8	23/3/2013 19:56	55.9	24/3/2013 13:01	59.8	24/3/2013 22:06	57.4	27/3/2013 19:11	65.3	28/2/2013 5:06	61.6
20/3/2013 22:56	66.3	23/3/2013 20:01	53.0	24/3/2013 13:06	62.0	24/3/2013 22:11	60.7	27/3/2013 19:16	64.4	28/2/2013 5:11	60.9
21/3/2013 19:01	63.5	23/3/2013 20:06	66.5	24/3/2013 13:11	59.6	24/3/2013 22:16	55.3	27/3/2013 19:21	64.1	28/2/2013 5:16	62.1
21/3/2013 19:06	62.7	23/3/2013 20:11	47.1	24/3/2013 13:16	61.1	24/3/2013 22:21	57.6	27/3/2013 19:26	64.6	28/2/2013 5:21	62.2
21/3/2013 19:11	63.1	23/3/2013 20:16	57.7	24/3/2013 13:21	57.6	24/3/2013 22:26	56.0	27/3/2013 19:31	64.9	28/2/2013 5:26	61.3
21/3/2013 19:16	62.9	23/3/2013 20:21	62.4	24/3/2013 13:26	57.9	24/3/2013 22:31	55.3	27/3/2013 19:36	65.5	28/2/2013 5:31	61.3
21/3/2013 19:21	62.7	23/3/2013 20:26	56.5	24/3/2013 13:31	61.0	24/3/2013 22:36	61.9	27/3/2013 19:41	64.4	28/2/2013 5:36	61.1
21/3/2013 19:26	62.6	23/3/2013 20:31	54.9	24/3/2013 13:36	57.9	24/3/2013 22:41	59.9	27/3/2013 19:46	64.5	28/2/2013 5:41	62.2
21/3/2013 19:31	63.5	23/3/2013 20:36	60.1	24/3/2013 13:41	59.3	24/3/2013 22:46	66.3	27/3/2013 19:51	65.8	28/2/2013 5:46	64.1
21/3/2013											

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
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1/3/2013 1:16	57.6	2/3/2013 2:21	57.8	3/3/2013 3:26	54.7	4/3/2013 4:31	60.8	5/3/2013 5:36	62.2	6/3/2013 6:41	64.6
1/3/2013 1:21	58.2	2/3/2013 2:26	57.4	3/3/2013 3:31	57.9	4/3/2013 4:36	60.8	5/3/2013 5:41	50.0	6/3/2013 6:46	65.4
1/3/2013 1:26	54.0	2/3/2013 2:31	59.7	3/3/2013 3:36	59.3	4/3/2013 4:41	60.6	5/3/2013 5:46	49.6	6/3/2013 6:51	66.0
1/3/2013 1:31	53.6	2/3/2013 2:36	56.9	3/3/2013 3:41	41.5	4/3/2013 4:46	60.2	5/3/2013 5:51	51.5	6/3/2013 6:56	66.3
1/3/2013 1:36	55.8	2/3/2013 2:41	56.6	3/3/2013 3:46	57.3	4/3/2013 4:51	60.6	5/3/2013 5:56	57.5	6/3/2013 23:01	65.2
1/3/2013 1:41	57.0	2/3/2013 2:46	58.9	3/3/2013 3:51	56.2	4/3/2013 4:56	61.3	5/3/2013 6:01	56.3	6/3/2013 23:06	64.4
1/3/2013 1:46	43.7	2/3/2013 2:51	58.8	3/3/2013 3:56	63.0	4/3/2013 5:01	61.3	5/3/2013 6:06	55.3	6/3/2013 23:11	65.4
1/3/2013 1:51	62.9	2/3/2013 2:56	58.5	3/3/2013 4:01	62.8	4/3/2013 5:06	62.8	5/3/2013 6:11	59.0	6/3/2013 23:16	64.7
1/3/2013 1:56	52.8	2/3/2013 3:01	52.6	3/3/2013 4:06	53.2	4/3/2013 5:11	62.6	5/3/2013 6:16	60.5	6/3/2013 23:21	64.3
1/3/2013 2:01	63.1	2/3/2013 3:06	54.5	3/3/2013 4:11	57.0	4/3/2013 5:16	62.3	5/3/2013 6:21	58.3	6/3/2013 23:26	64.5
1/3/2013 2:06	62.9	2/3/2013 3:11	63.0	3/3/2013 4:16	55.8	4/3/2013 5:21	62.9	5/3/2013 6:26	63.1	6/3/2013 23:31	64.8
1/3/2013 2:11	50.6	2/3/2013 3:16	58.3	3/3/2013 4:21	57.3	4/3/2013 5:26	62.5	5/3/2013 6:31	63.0	6/3/2013 23:36	64.5
1/3/2013 2:16	63.0	2/3/2013 3:21	52.2	3/3/2013 4:26	52.9	4/3/2013 5:31	62.4	5/3/2013 6:36	63.6	6/3/2013 23:41	64.8
1/3/2013 2:21	47.2	2/3/2013 3:26	53.9	3/3/2013 4:31	62.5	4/3/2013 5:36	63.1	5/3/2013 6:41	65.2	6/3/2013 23:46	64.8
1/3/2013 2:26	62.9	2/3/2013 3:31	50.8	3/3/2013 4:36	55.3	4/3/2013 5:41	53.3	5/3/2013 6:46	65.1	6/3/2013 23:51	63.5
1/3/2013 2:31	62.9	2/3/2013 3:36	49.4	3/3/2013 4:41	52.2	4/3/2013 5:46	57.8	5/3/2013 6:51	66.0	6/3/2013 23:56	65.0
1/3/2013 2:36	62.7	2/3/2013 3:41	46.8	3/3/2013 4:46	51.6	4/3/2013 5:51	51.8	5/3/2013 6:56	65.9	7/3/2013 0:01	62.8
1/3/2013 2:41	62.1	2/3/2013 3:46	52.3	3/3/2013 4:51	62.9	4/3/2013 5:56	55.1	5/3/2013 23:01	64.5	7/3/2013 0:06	64.1
1/3/2013 2:46	61.6	2/3/2013 3:51	49.4	3/3/2013 4:56	53.2	4/3/2013 6:01	56.4	5/3/2013 23:06	63.5	7/3/2013 0:11	64.2
1/3/2013 2:51	53.2	2/3/2013 3:56	48.3	3/3/2013 5:01	57.6	4/3/2013 6:06	56.8	5/3/2013 23:11	64.8	7/3/2013 0:16	62.7
1/3/2013 2:56	62.3	2/3/2013 4:01	62.9	3/3/2013 5:06	62.8	4/3/2013 6:11	59.2	5/3/2013 23:16	64.5	7/3/2013 0:21	63.0
1/3/2013 3:01	62.6	2/3/2013 4:06	62.6	3/3/2013 5:11	50.0	4/3/2013 6:16	60.9	5/3/2013 23:21	64.9	7/3/2013 0:26	62.9
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1/3/2013 3:36	61.9	2/3/2013 4:41	62.8	3/3/2013 5:46	61.3	4/3/2013 6:51	66.4	5/3/2013 23:56	63.3	7/3/2013 1:01	58.1
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1/3/2013 3:56	62.3	2/3/2013 5:01	62.7	3/3/2013 6:06	54.4	4/3/2013 23:11	64.0	6/3/2013 0:16	62.9	7/3/2013 1:21	59.0
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1/3/2013 4:41	62.2	2/3/2013 5:46	56.4	3/3/2013 6:51	62.8	4/3/2013 23:56	62.8	6/3/2013 1:01	60.1	7/3/2013 2:06	55.6
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1/3/2013 4:56	62.3	2/3/2013 6:01	55.7	3/3/2013 23:06	64.7	5/3/2013 0:11	62.1	6/3/2013 1:16	58.4	7/3/2013 2:21	62.2
1/3/2013 5:01	62.7	2/3/2013 6:06	57.2	3/3/2013 23:11	64.8	5/3/2013 0:16	62.9	6/3/2013 1:21	57.5	7/3/2013 2:26	42.8
1/3/2013 5:06	61.9	2/3/2013 6:11	55.9	3/3/2013 23:16	64.7	5/3/2013 0:21	63.1	6/3/2013 1:26	53.1	7/3/2013 2:31	62.8
1/3/2013 5:11	62.4	2/3/2013 6:16	54.8	3/3/2013 23:21	64.5	5/3/2013 0:26	62.0	6/3/2013 1:31	51.3	7/3/2013 2:36	62.4
1/3/2013 5:16	59.4	2/3/2013 6:21	59.5	3/3/2013 23:26	64.4	5/3/2013 0:31	63.4	6/3/2013 1:36	62.6	7/3/2013 2:41	63.0
1/3/2013 5:21	62.7	2/3/2013 6:26	59.7	3/3/2013 23:31	64.7	5/3/2013 0:36	61.8	6/3/2013 1:41	46.8	7/3/2013 2:46	62.3
1/3/2013 5:26	62.9	2/3/2013 6:31	59.0	3/3/2013 23:36	65.2	5/3/2013 0:41	60.4	6/3/2013 1:46	62.4	7/3/2013 2:51	63.0
1/3/2013 5:31	62.8	2/3/2013 6:36	60.4	3/3/2013 23:41	64.3	5/3/2013 0:46	58.4	6/3/2013 1:51	57.0	7/3/2013 2:56	51.5
1/3/2013 5:36	54.1	2/3/2013 6:41	60.9	3/3/2013 23:46	63.8	5/3/2013 0:51	59.2	6/3/2013 1:56	50.8	7/3/2013 3:01	60.4
1/3/2013 5:41	53.2	2/3/2013 6:46	60.5	3/3/2013 23:51	63.5	5/3/2013 0:56	62.0	6/3/2013 2:01	57.7	7/3/2013 3:06	62.0
1/3/2013 5:46	56.6	2/3/2013 6:51	62.2	3/3/2013 23:56	62.5	5/3/2013 1:01	56.7	6/3/2013 2:06	62.9	7/3/2013 3:11	52.8
1/3/2013 5:51	42.8	2/3/2013 6:56	61.3	4/3/2013 0:01	63.3	5/3/2013 1:06	55.0	6/3/2013 2:11	58.9	7/3/2013 3:16	61.2
1/3/2013 5:56	57.3	2/3/2013 23:01	65.4	4/3/2013 0:06	62.4	5/3/2013 1:11	52.5	6/3/2013 2:16	62.0	7/3/2013 3:21	61.9
1/3/2013 6:01	63.0	2/3/2013 23:06	65.4	4/3/2013 0:11	62.9	5/3/2013 1:16	57.9	6/3/2013 2:21	62.9	7/3/2013 3:26	61.3
1/3/2013 6:06	57.8	2/3/2013 23:11	64.8	4/3/2013 0:16	61.4	5/3/2013 1:21	55.8	6/3/2013 2:26	62.6	7/3/2013 3:31	60.9
1/3/2013 6:11	59.0	2/3/2013 23:16	66.3	4/3/2013 0:21	62.6	5/3/2013 1:26	50.5	6/3/2013 2:31	57.7	7/3/2013 3:36	62.0
1/3/2013 6:16	59.7	2/3/2013 23:21	65.7	4/3/2013 0:26	60.8	5/3/2013 1:31	48.6	6/3/2013 2:36	62.3	7/3/2013 3:41	62.3
1/3/2013 6:21	61.6	2/3/2013 23:26	65.5	4/3/2013 0:31	60.5	5/3/2013 1:36	54.0	6/3/2013 2:41	62.7	7/3/2013 3:46	61.0
1/3/2013 6:26	61.8	2/3/2013 23:31	65.7	4/3/2013 0:36	56.2	5/3/2013 1:41	62.8	6/3/2013 2:46	62.4	7/3/2013 3:51	61.8
1/3/2013 6:31	62.0	2/3/2013 23:36	65.8	4/3/2013 0:41	60.0	5/3/2013 1:46	61.6	6/3/2013 2:51	47.2	7/3/2013 3:56	62.2
1/3/2013 6:36	64.4	2/3/2013 23:41	65.4	4/3/2013 0:46	58.0	5/3/2013 1:51	49.8	6/3/2013 2:56	51.3	7/3/2013 4:01	61.5
1/3/2013 6:41	64.5	2/3/2013 23:46	65.8	4/3/2013 0:51	55.5	5/3/2013 1:56	62.8	6/3/2013 3:01	62.9	7/3/2013 4:06	60.4
1/3/2013 6:46	65.8	2/3/2013 23:51	65.3	4/3/2013 0:56	51.5	5/3/2013 2:01	62.3	6/3/2013 3:06	62.2	7/3/2013 4:11	61.6
1/3/2013 6:51	65.7	2/3/2013 23:56	65.3	4/3/2013 1:01	58.7	5/3/2013 2:06	62.8	6/3/2013 3:11	61.9	7/3/2013 4:16	61.4
1/3/2013 6:56	66.2	3/3/2013 0:01	65.5	4/3/2013 1:06	55.5	5/3/2013 2:11	61.2	6/3/2013 3:16	61.3	7/3/2013 4:21	61.3
1/3/2013 23:01	65.5	3/3/2013 0:06	65.7	4/3/2013 1:11	50.8	5/3/2013 2:16	62.3	6/3/2013 3:21	62.7	7/3/2013 4:26	61.7
1/3/2013 23:06	65.2	3/3/2013 0:11	65.8	4/3/2013 1:16	51.5	5/3/2013 2:21	62.7	6/3/2013 3:26	62.0	7/3/2013 4:31	61.8
1/3/2013 23:11	65.6	3/3/2013 0:16	65.2	4/3/2013 1:21	55.5	5/3/2013 2:26	53.7	6/3/2013 3:31	41.5	7/3/2013 4:36	62.6
1/3/2013 23:16	65.6	3/3/2013									

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
7/3/2013 23:41	65.3	9/3/2013 0:46	63.7	10/3/2013 1:51	63.1	11/3/2013 2:56	59.9	12/3/2013 4:01	59.0	13/3/2013 5:06	60.9
7/3/2013 23:46	64.5	9/3/2013 0:51	62.9	10/3/2013 1:56	62.4	11/3/2013 3:01	60.1	12/3/2013 4:06	60.7	13/3/2013 5:11	61.7
7/3/2013 23:51	64.1	9/3/2013 0:56	61.6	10/3/2013 2:01	53.5	11/3/2013 3:06	62.7	12/3/2013 4:11	60.3	13/3/2013 5:16	61.2
7/3/2013 23:56	62.6	9/3/2013 1:01	59.4	10/3/2013 2:06	62.8	11/3/2013 3:11	59.8	12/3/2013 4:16	59.9	13/3/2013 5:21	62.3
8/3/2013 0:01	66.7	9/3/2013 1:06	63.1	10/3/2013 2:11	62.1	11/3/2013 3:16	58.6	12/3/2013 4:21	60.0	13/3/2013 5:26	62.7
8/3/2013 0:06	63.8	9/3/2013 1:11	60.2	10/3/2013 2:16	62.5	11/3/2013 3:21	60.5	12/3/2013 4:26	60.0	13/3/2013 5:31	62.1
8/3/2013 0:11	63.3	9/3/2013 1:16	61.0	10/3/2013 2:21	62.5	11/3/2013 3:26	60.0	12/3/2013 4:31	59.8	13/3/2013 5:36	61.5
8/3/2013 0:16	63.1	9/3/2013 1:21	61.9	10/3/2013 2:26	63.1	11/3/2013 3:31	60.2	12/3/2013 4:36	60.4	13/3/2013 5:41	62.9
8/3/2013 0:21	62.7	9/3/2013 1:26	59.4	10/3/2013 2:31	54.9	11/3/2013 3:36	60.7	12/3/2013 4:41	60.9	13/3/2013 5:46	62.5
8/3/2013 0:26	63.5	9/3/2013 1:31	61.5	10/3/2013 2:36	62.4	11/3/2013 3:41	60.5	12/3/2013 4:46	60.8	13/3/2013 5:51	63.0
8/3/2013 0:31	63.3	9/3/2013 1:36	60.1	10/3/2013 2:41	62.4	11/3/2013 3:46	60.1	12/3/2013 4:51	60.7	13/3/2013 5:56	47.9
8/3/2013 0:36	62.2	9/3/2013 1:41	54.5	10/3/2013 2:46	62.7	11/3/2013 3:51	59.0	12/3/2013 4:56	61.5	13/3/2013 6:01	56.4
8/3/2013 0:41	62.3	9/3/2013 1:46	47.6	10/3/2013 2:51	51.2	11/3/2013 3:56	60.2	12/3/2013 5:01	60.9	13/3/2013 6:06	49.1
8/3/2013 0:46	62.9	9/3/2013 1:51	63.1	10/3/2013 2:56	62.4	11/3/2013 4:01	59.2	12/3/2013 5:06	62.1	13/3/2013 6:11	62.9
8/3/2013 0:51	60.2	9/3/2013 1:56	62.4	10/3/2013 3:01	62.5	11/3/2013 4:06	60.1	12/3/2013 5:11	61.3	13/3/2013 6:16	58.7
8/3/2013 0:56	60.7	9/3/2013 2:01	53.5	10/3/2013 3:06	62.7	11/3/2013 4:11	58.9	12/3/2013 5:16	61.6	13/3/2013 6:21	59.7
8/3/2013 1:01	60.4	9/3/2013 2:06	62.8	10/3/2013 3:11	62.9	11/3/2013 4:16	59.6	12/3/2013 5:21	61.9	13/3/2013 6:26	60.2
8/3/2013 1:06	60.1	9/3/2013 2:11	62.1	10/3/2013 3:16	62.0	11/3/2013 4:21	60.0	12/3/2013 5:26	62.6	13/3/2013 6:31	62.3
8/3/2013 1:11	59.6	9/3/2013 2:16	62.5	10/3/2013 3:21	63.1	11/3/2013 4:26	60.2	12/3/2013 5:31	62.2	13/3/2013 6:36	63.2
8/3/2013 1:16	59.3	9/3/2013 2:21	62.5	10/3/2013 3:26	62.4	11/3/2013 4:31	59.7	12/3/2013 5:36	62.0	13/3/2013 6:41	64.5
8/3/2013 1:21	63.3	9/3/2013 2:26	63.1	10/3/2013 3:31	62.7	11/3/2013 4:36	60.5	12/3/2013 5:41	52.3	13/3/2013 6:46	64.5
8/3/2013 1:26	53.8	9/3/2013 2:31	54.9	10/3/2013 3:36	56.2	11/3/2013 4:41	61.0	12/3/2013 5:46	53.9	13/3/2013 6:51	64.5
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8/3/2013 2:16	62.9	9/3/2013 3:21	63.1	10/3/2013 4:26	61.9	11/3/2013 5:31	61.3	12/3/2013 6:36	63.3	13/3/2013 7:41	63.4
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8/3/2013 3:21	62.3	9/3/2013 4:26	61.9	10/3/2013 5:31	61.2	11/3/2013 6:36	63.2	12/3/2013 7:41	62.8	14/3/2013 0:46	63.2
8/3/2013 3:26	62.0	9/3/2013 4:31	62.1	10/3/2013 5:36	54.0	11/3/2013 6:41	64.1	12/3/2013 7:46	62.5	14/3/2013 0:51	60.3
8/3/2013 3:31	60.6	9/3/2013 4:36	61.8	10/3/2013 5:41	62.7	11/3/2013 6:46	63.8	12/3/2013 7:51	63.3	14/3/2013 0:56	62.0
8/3/2013 3:36	61.8	9/3/2013 4:41	62.1	10/3/2013 5:46	62.5	11/3/2013 6:51	65.5	12/3/2013 7:56	62.5	14/3/2013 1:01	49.8
8/3/2013 3:41	60.9	9/3/2013 4:46	61.0	10/3/2013 5:51	55.4	11/3/2013 6:56	66.0	13/3/2013 0:01	62.4	14/3/2013 1:06	55.3
8/3/2013 3:46	61.8	9/3/2013 4:51	61.7	10/3/2013 5:56	62.1	11/3/2013 7:01	64.3	13/3/2013 0:06	61.4	14/3/2013 1:11	55.9
8/3/2013 3:51	61.2	9/3/2013 4:56	62.0	10/3/2013 6:01	61.7	11/3/2013 7:06	63.3	13/3/2013 0:11	62.6	14/3/2013 1:16	62.9
8/3/2013 3:56	61.4	9/3/2013 5:01	61.8	10/3/2013 6:06	54.6	11/3/2013 7:11	64.0	13/3/2013 0:16	61.3	14/3/2013 1:21	55.0
8/3/2013 4:01	61.3	9/3/2013 5:06	61.8	10/3/2013 6:11	56.3	11/3/2013 7:16	64.9	13/3/2013 0:21	61.4	14/3/2013 1:26	49.6
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8/3/2013 4:11	61.0	9/3/2013 5:16	61.8	10/3/2013 6:21	53.7	11/3/2013 7:26	64.1	13/3/2013 0:31	60.4	14/3/2013 1:36	62.6
8/3/2013 4:16	60.7	9/3/2013 5:21	62.3	10/3/2013 6:26	61.5	11/3/2013 7:31	62.9	13/3/2013 0:36	58.9	14/3/2013 1:41	62.3
8/3/2013 4:21	59.8	9/3/2013 5:26	61.2	10/3/2013 6:31	57.0	11/3/2013 7:36	63.3	13/3/2013 0:41	59.7	14/3/2013 1:46	62.2
8/3/2013 4:26	61.0	9/3/2013 5:31	61.2	10/3/2013 6:36	59.4	11/3/2013 7:41	63.3	13/3/2013 0:46	57.2	14/3/2013 1:51	61.9
8/3/2013 4:31	60.9	9/3/2013 5:36	54.0	10/3/2013 6:41	60.3	11/3/2013 7:46	62.1	13/3/2013 0:51	57.2	14/3/2013 1:56	62.2
8/3/2013 4:36	61.4	9/3/2013 5:41	62.7	10/3/2013 6:46	59.3	11/3/2013 7:51	62.8	13/3/2013 0:56	56.9	14/3/2013 2:01	47.6
8/3/2013 4:41	60.6	9/3/2013 5:46	62.5	10/3/2013 6:51	61.0	11/3/2013 7:56	64.1	13/3/2013 1:01	62.3	14/3/2013 2:06	52.6
8/3/2013 4:46	60.6	9/3/2013 5:51	55.4	10/3/2013 6:56	66.4	12/3/2013 0:01	59.4	13/3/2013 1:06	49.8	14/3/2013 2:11	62.2
8/3/2013 4:51	61.9	9/3/2013 5:56	62.1	10/3/2013 7:01	65.1	12/3/2013 0:06	59.4	13/3/2013 1:11	55.5	14/3/2013 2:16	61.6
8/3/2013 4:56	61.8	9/3/2013 6:01	61.7	10/3/2013 7:06	63.0	12/3/2013 0:11	62.2	13/3/2013 1:16	62.9	14/3/2013 2:21	62.4
8/3/2013 5:01	61.2	9/3/2013 6:06	54.6	10/3/2013 7:11	63.2	12/3/2013 0:16	61.3	13/3/2013 1:21	50.6	14/3/2013 2:26	61.7
8/3/2013 5:06	62.8	9/3/2013 6:11	56.3	10/3/2013 7:16	62.8	12/3/2013 0:21	61.3	13/3/2013 1:26	52.6	14/3/2013 2:31	62.0
8/3/2013 5:11	62.8	9/3/2013 6:16	53.9	10/3/2013 7:21	62.4	12/3/2013 0:26	60.9	13/3/2013 1:31	62.3	14/3/2013 2:36	61.1
8/3/2013 5:16	49.4	9/3/2013 6:21	53.7	10/3/2013 7:26	65.6	12/3/2013 0:31	59.7	13/3/2013 1:36	62.7	14/3/2013 2:41	61.7
8/3/2013 5:21	63.1	9/3/2013 6:26	61.5	10/3/2013 7:31	63.4	12/3/2013 0:36	57.3	13/3/2013 1:41	62.1	14/3/2013 2:46	61.7
8/3/2013 5:26	62.7	9/3/2013 6:31	57.0	10/3/2013 7:36	62.5	12/3/2013 0:41	55.4	13/3/2013 1:46	60.0	14/3/2013 2:51	61.3
8/3/2013 5:31	62.9	9/3/2013 6:36	59.4	10/3/2013 7:41	61.9	12/3/2013 0:46	58.5	13/3/2013 1:51	62.6	14/3/2013 2:56	62.0
8/3/2013 5:36	44.5	9/3/2013 6:41	60.3	10/3/2013 7:46	61.5	12/3/2013 0:51	54.9	13/3/2013 1:56	62.1	14/3/2013	

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
14/3/2013 6:11	51.2	15/3/2013 23:16	64.4	17/3/2013 0:21	63.2	18/3/2013 1:26	61.9	19/3/2013 2:31	62.1	20/3/2013 3:36	61.8
14/3/2013 6:16	55.6	15/3/2013 23:21	64.2	17/3/2013 0:26	64.2	18/3/2013 1:31	60.7	19/3/2013 2:36	62.1	20/3/2013 3:41	61.8
14/3/2013 6:21	60.4	15/3/2013 23:26	63.9	17/3/2013 0:31	62.9	18/3/2013 1:36	60.5	19/3/2013 2:41	60.9	20/3/2013 3:46	61.9
14/3/2013 6:26	58.9	15/3/2013 23:31	64.7	17/3/2013 0:36	61.0	18/3/2013 1:41	61.7	19/3/2013 2:46	60.9	20/3/2013 3:51	62.0
14/3/2013 6:31	61.6	15/3/2013 23:36	63.8	17/3/2013 0:41	62.1	18/3/2013 1:46	61.5	19/3/2013 2:51	61.6	20/3/2013 3:56	61.5
14/3/2013 6:36	61.6	15/3/2013 23:41	64.6	17/3/2013 0:46	59.7	18/3/2013 1:51	60.1	19/3/2013 2:56	61.1	20/3/2013 4:01	60.7
14/3/2013 6:41	62.9	15/3/2013 23:46	63.1	17/3/2013 0:51	60.3	18/3/2013 1:56	60.1	19/3/2013 3:01	61.1	20/3/2013 4:06	61.2
14/3/2013 6:46	63.7	15/3/2013 23:51	64.3	17/3/2013 0:56	58.3	18/3/2013 2:01	60.2	19/3/2013 3:06	60.0	20/3/2013 4:11	60.3
14/3/2013 6:51	63.2	15/3/2013 23:56	63.8	17/3/2013 1:01	63.2	18/3/2013 2:06	61.0	19/3/2013 3:11	61.2	20/3/2013 4:16	61.6
14/3/2013 6:56	64.3	16/3/2013 0:01	62.9	17/3/2013 1:06	59.0	18/3/2013 2:11	60.4	19/3/2013 3:16	59.6	20/3/2013 4:21	61.7
14/3/2013 23:01	63.4	16/3/2013 0:06	64.8	17/3/2013 1:11	60.1	18/3/2013 2:16	59.8	19/3/2013 3:21	59.8	20/3/2013 4:26	61.7
14/3/2013 23:06	63.2	16/3/2013 0:11	65.9	17/3/2013 1:16	58.9	18/3/2013 2:21	59.7	19/3/2013 3:26	60.2	20/3/2013 4:31	60.6
14/3/2013 23:11	63.3	16/3/2013 0:16	63.4	17/3/2013 1:21	59.8	18/3/2013 2:26	60.2	19/3/2013 3:31	62.9	20/3/2013 4:36	62.4
14/3/2013 23:16	63.0	16/3/2013 0:21	62.5	17/3/2013 1:26	60.7	18/3/2013 2:31	59.0	19/3/2013 3:36	60.7	20/3/2013 4:41	61.4
14/3/2013 23:21	64.2	16/3/2013 0:26	64.3	17/3/2013 1:31	60.1	18/3/2013 2:36	59.8	19/3/2013 3:41	59.5	20/3/2013 4:46	61.7
14/3/2013 23:26	63.3	16/3/2013 0:31	62.5	17/3/2013 1:36	57.8	18/3/2013 2:41	59.5	19/3/2013 3:46	60.2	20/3/2013 4:51	61.6
14/3/2013 23:31	63.5	16/3/2013 0:36	61.0	17/3/2013 1:41	55.5	18/3/2013 2:46	62.5	19/3/2013 3:51	60.3	20/3/2013 4:56	62.2
14/3/2013 23:36	63.7	16/3/2013 0:41	64.4	17/3/2013 1:46	56.2	18/3/2013 2:51	60.6	19/3/2013 3:56	61.9	20/3/2013 5:01	62.7
14/3/2013 23:41	63.7	16/3/2013 0:46	62.2	17/3/2013 1:51	54.0	18/3/2013 2:56	59.1	19/3/2013 4:01	59.1	20/3/2013 5:06	62.0
14/3/2013 23:46	63.7	16/3/2013 0:51	60.6	17/3/2013 1:56	57.7	18/3/2013 3:01	61.0	19/3/2013 4:06	59.3	20/3/2013 5:11	62.7
14/3/2013 23:51	63.1	16/3/2013 0:56	61.3	17/3/2013 2:01	56.0	18/3/2013 3:06	61.0	19/3/2013 4:11	59.6	20/3/2013 5:16	62.1
14/3/2013 23:56	63.5	16/3/2013 1:01	61.7	17/3/2013 2:06	54.0	18/3/2013 3:11	58.3	19/3/2013 4:16	61.1	20/3/2013 5:21	62.5
15/3/2013 0:01	62.1	16/3/2013 1:06	60.8	17/3/2013 2:11	53.7	18/3/2013 3:16	58.8	19/3/2013 4:21	59.7	20/3/2013 5:26	62.5
15/3/2013 0:06	62.0	16/3/2013 1:11	63.9	17/3/2013 2:16	49.4	18/3/2013 3:21	58.8	19/3/2013 4:26	60.4	20/3/2013 5:31	62.6
15/3/2013 0:11	62.7	16/3/2013 1:16	61.8	17/3/2013 2:21	56.6	18/3/2013 3:26	59.4	19/3/2013 4:31	60.5	20/3/2013 5:36	53.4
15/3/2013 0:16	61.3	16/3/2013 1:21	60.4	17/3/2013 2:26	54.1	18/3/2013 3:31	58.9	19/3/2013 4:36	59.7	20/3/2013 5:41	56.6
15/3/2013 0:21	62.5	16/3/2013 1:26	59.0	17/3/2013 2:31	56.5	18/3/2013 3:36	58.6	19/3/2013 4:41	59.2	20/3/2013 5:46	57.5
15/3/2013 0:26	62.6	16/3/2013 1:31	59.1	17/3/2013 2:36	62.9	18/3/2013 3:41	59.0	19/3/2013 4:46	59.8	20/3/2013 5:51	56.7
15/3/2013 0:31	61.6	16/3/2013 1:36	59.9	17/3/2013 2:41	45.8	18/3/2013 3:46	59.2	19/3/2013 4:51	60.7	20/3/2013 5:56	59.3
15/3/2013 0:36	60.1	16/3/2013 1:41	59.2	17/3/2013 2:46	54.7	18/3/2013 3:51	58.8	19/3/2013 4:56	60.1	20/3/2013 6:01	55.7
15/3/2013 0:41	60.4	16/3/2013 1:46	59.5	17/3/2013 2:51	42.8	18/3/2013 3:56	58.8	19/3/2013 5:01	62.0	20/3/2013 6:06	61.7
15/3/2013 0:46	60.1	16/3/2013 1:51	59.1	17/3/2013 2:56	53.5	18/3/2013 4:01	58.4	19/3/2013 5:06	60.5	20/3/2013 6:11	61.4
15/3/2013 0:51	59.8	16/3/2013 1:56	59.2	17/3/2013 3:01	63.1	18/3/2013 4:06	58.9	19/3/2013 5:11	61.4	20/3/2013 6:16	60.8
15/3/2013 0:56	60.0	16/3/2013 2:01	57.4	17/3/2013 3:06	62.8	18/3/2013 4:11	60.2	19/3/2013 5:16	60.6	20/3/2013 6:21	62.4
15/3/2013 1:01	58.8	16/3/2013 2:06	57.4	17/3/2013 3:11	63.0	18/3/2013 4:16	60.6	19/3/2013 5:21	61.8	20/3/2013 6:26	64.2
15/3/2013 1:06	57.1	16/3/2013 2:11	60.1	17/3/2013 3:16	62.6	18/3/2013 4:21	58.4	19/3/2013 5:26	60.6	20/3/2013 6:31	64.1
15/3/2013 1:11	55.9	16/3/2013 2:16	59.8	17/3/2013 3:21	62.8	18/3/2013 4:26	59.9	19/3/2013 5:31	61.9	20/3/2013 6:36	65.4
15/3/2013 1:16	57.0	16/3/2013 2:21	57.9	17/3/2013 3:26	62.7	18/3/2013 4:31	59.5	19/3/2013 5:36	61.7	20/3/2013 6:41	66.0
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15/3/2013 1:26	54.7	16/3/2013 2:31	59.2	17/3/2013 3:36	63.1	18/3/2013 4:41	59.2	19/3/2013 5:46	62.2	20/3/2013 6:51	66.0
15/3/2013 1:31	62.7	16/3/2013 2:36	55.2	17/3/2013 3:41	62.4	18/3/2013 4:46	59.8	19/3/2013 5:51	52.6	20/3/2013 6:56	67.1
15/3/2013 1:36	62.6	16/3/2013 2:41	51.8	17/3/2013 3:46	62.2	18/3/2013 4:51	60.1	19/3/2013 5:56	62.8	20/3/2013 7:01	63.9
15/3/2013 1:41	62.9	16/3/2013 2:46	39.7	17/3/2013 3:51	62.1	18/3/2013 4:56	61.3	19/3/2013 6:01	62.4	20/3/2013 23:06	63.5
15/3/2013 1:46	45.8	16/3/2013 2:51	55.3	17/3/2013 3:56	61.8	18/3/2013 5:01	60.2	19/3/2013 6:06	54.3	20/3/2013 23:11	63.8
15/3/2013 1:51	62.9	16/3/2013 2:56	58.0	17/3/2013 4:01	61.7	18/3/2013 5:06	60.8	19/3/2013 6:11	54.8	20/3/2013 23:16	63.9
15/3/2013 1:56	62.8	16/3/2013 3:01	62.9	17/3/2013 4:06	61.8	18/3/2013 5:11	59.9	19/3/2013 6:16	51.2	20/3/2013 23:21	64.0
15/3/2013 2:01	63.1	16/3/2013 3:06	52.9	17/3/2013 4:11	62.8	18/3/2013 5:16	61.2	19/3/2013 6:21	58.1	20/3/2013 23:26	63.7
15/3/2013 2:06	62.4	16/3/2013 3:11	55.0	17/3/2013 4:16	62.0	18/3/2013 5:21	61.2	19/3/2013 6:26	61.0	20/3/2013 23:31	64.3
15/3/2013 2:11	62.2	16/3/2013 3:16	49.1	17/3/2013 4:21	62.2	18/3/2013 5:26	61.5	19/3/2013 6:31	62.5	20/3/2013 23:36	63.9
15/3/2013 2:16	62.3	16/3/2013 3:21	62.7	17/3/2013 4:26	61.9	18/3/2013 5:31	61.9	19/3/2013 6:36	63.1	20/3/2013 23:41	63.2
15/3/2013 2:21	62.5	16/3/2013 3:26	61.8	17/3/2013 4:31	62.5	18/3/2013 5:36	62.2	19/3/2013 6:41	64.3	20/3/2013 23:46	62.8
15/3/2013 2:26	62.9	16/3/2013 3:31	62.8	17/3/2013 4:36	63.1	18/3/2013 5:41	62.3	19/3/2013 6:46	64.2	20/3/2013 23:51	63.7
15/3/2013 2:31	61.9	16/3/2013 3:36	62.9	17/3/2013 4:41	61.6	18/3/2013 5:46	61.5	19/3/2013 6:51	64.8	20/3/2013 23:56	62.9
15/3/2013 2:36	62.2	16/3/2013 3:41	63.0	17/3/2013 4:46	54.2	18/3/2013 5:51	65.6	19/3/2013 6:56	66.0	21/3/2013 0:01	63.0
15/3/2013 2:41	61.4	16/3/2013 3:46	62.1	17/3/2013 4:51	62.2	18/3/2013 5:56	62.6	19/3/2013 23:01	66.5	21/3/2013 0:06	63.3
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15/3/2013 2:51	61.5	16/3/2013 3:56	62.3	17/3/2013 5:01	61.8	18/3/2013 6:06	62.7	19/3/2013 23:11	65.8	21/3/2013 0:16	62.3
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15/3/2013 3:01	60.8	16/3/2013 4:06	62.4	17/3/2013 5:11	62.2	18/3/2013 6:16	57.8	19/3/2013 23:21	65.9	21/3/2013 0:26	63.1
15/3/2013 3:06	61.3	16/3/2013 4:11	62.1	17/3/2013 5:16	62.0	18/3/2013 6:21	58.2	19/3/2013 23:26	65.6	21/3/2013 0:31	60.7
15/3/2013 3:11	61.8	16/3/2013 4:16	62.2	17/3/2013 5:21	61.7	18/3/2013 6:26	60.1	19/3/2013 23:31	65.4	21/3/2013 0:36	59.0
15/3/2013 3:16	61.3	16/3/2013 4:21	62.5	17/3/2013 5:26	62.7	18/3/2013 6:31	62.7	19/3/2013 23:36	66.4	21/3/2013 0:41	59.3
15/3/2013 3:21	60.6	16/3/2013 4:26	62.1	17/3/2013 5:31	62.2	18/3/2013 6:36	62.2	19/3/2013 23:41	65.1	21/3/2013 0:46	58.6
15/3/2013 3:26	61.3	16/3/2013 4:31	62.4	17/3/2013 5:36	62.0	18/3/2013 6:41	66.7	19/3/2013 23:46	65.9	21/3/2013 0:51	58.2
15/3/2013 3:31	60.5	16/3/2013 4:36	62.3	17/3/2013 5:41	62.9	18/3/2013 6:46	64.3	19/3/2013 23:51	65.9	21/3/2013 0:56	61.3
15/3/2013 3:36	60.6	16/3/2013 4:41	62.4	17/3/2013 5:46	63.0	18/3/2013 6:51	65.0	19/3/2013 23:56	66.0	21/3/2013 1:01	59.2
15/3/2013 3:41	61.0	16/3/2013 4:46	61.9	17/3/2013 5:51	62.6	18/3/2013 6:56	65.6	20/3/2013 0:01	65.5	21/3/2013 1:06	58.4
15/3/2013 3:46	60.6	16/3/2013 4:51	62.2	17/3/2013 5:56	61.8	18/3/2013 23:01	62.8	20/3/2013 0:06	63.7	21/3/2013 1:11	57.5
15/3/2013 3:51	60.2	16/3/2013 4:56	51.3	17/3/2013 6:01	62.0	18/3/2013 23:06	62.8	20/3/2013 0:11	65.3	21/3/2013 1:16	54.0
15/3/2013 3:56	61.1	16/3/2013 5:01	59.4	17/3/2013 6:06	62.6	18/3/2013 23:11	62.7	20/3/2013 0:16	64.6	21/3/2013 1:21	55.7
15/3/2013 4:01	61.2	16/3/2013 5:06	62.6	17/3/2013 6:11	47.6	18/3/2013 23:16	64.8				

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
21/3/2013 4:41	60.5	22/3/2013 5:46	56.2	23/3/2013 6:51	66.6	24/3/2013 23:56	61.1	26/3/2013 1:01	58.8	27/3/2013 2:06	59.8
21/3/2013 4:46	60.7	22/3/2013 5:51	58.4	23/3/2013 6:56	64.9	25/3/2013 0:01	61.7	26/3/2013 1:06	58.2	27/3/2013 2:11	59.1
21/3/2013 4:51	61.4	22/3/2013 5:56	53.3	23/3/2013 23:01	63.6	25/3/2013 0:06	62.4	26/3/2013 1:11	63.1	27/3/2013 2:16	57.4
21/3/2013 4:56	61.3	22/3/2013 6:01	58.3	23/3/2013 23:06	64.2	25/3/2013 0:11	62.3	26/3/2013 1:16	63.0	27/3/2013 2:21	57.1
21/3/2013 5:01	61.5	22/3/2013 6:06	58.5	23/3/2013 23:11	64.2	25/3/2013 0:16	62.3	26/3/2013 1:21	54.7	27/3/2013 2:26	56.3
21/3/2013 5:06	62.1	22/3/2013 6:11	58.9	23/3/2013 23:16	64.7	25/3/2013 0:21	60.8	26/3/2013 1:26	62.9	27/3/2013 2:31	56.9
21/3/2013 5:11	61.3	22/3/2013 6:16	59.8	23/3/2013 23:21	65.2	25/3/2013 0:26	62.7	26/3/2013 1:31	53.4	27/3/2013 2:36	57.9
21/3/2013 5:16	62.3	22/3/2013 6:21	60.7	23/3/2013 23:26	64.0	25/3/2013 0:31	61.0	26/3/2013 1:36	56.5	27/3/2013 2:41	57.7
21/3/2013 5:21	61.8	22/3/2013 6:26	62.9	23/3/2013 23:31	64.5	25/3/2013 0:36	58.5	26/3/2013 1:41	63.0	27/3/2013 2:46	63.0
21/3/2013 5:26	62.8	22/3/2013 6:31	63.5	23/3/2013 23:36	64.9	25/3/2013 0:41	57.4	26/3/2013 1:46	63.0	27/3/2013 2:51	52.8
21/3/2013 5:31	39.7	22/3/2013 6:36	64.0	23/3/2013 23:41	64.1	25/3/2013 0:46	60.8	26/3/2013 1:51	62.2	27/3/2013 2:56	62.9
21/3/2013 5:36	62.7	22/3/2013 6:41	64.4	23/3/2013 23:46	63.4	25/3/2013 0:51	56.9	26/3/2013 1:56	63.1	27/3/2013 3:01	62.6
21/3/2013 5:41	63.0	22/3/2013 6:46	65.4	23/3/2013 23:51	63.3	25/3/2013 0:56	54.6	26/3/2013 2:01	63.0	27/3/2013 3:06	63.1
21/3/2013 5:46	47.9	22/3/2013 6:51	66.0	23/3/2013 23:56	64.3	25/3/2013 1:01	62.8	26/3/2013 2:06	62.6	27/3/2013 3:11	62.8
21/3/2013 5:51	51.0	22/3/2013 6:56	66.2	24/3/2013 0:01	64.6	25/3/2013 1:06	53.1	26/3/2013 2:11	62.7	27/3/2013 3:16	62.8
21/3/2013 5:56	56.9	22/3/2013 23:01	64.2	24/3/2013 0:06	62.8	25/3/2013 1:11	52.3	26/3/2013 2:16	62.3	27/3/2013 3:21	62.1
21/3/2013 6:01	54.8	22/3/2013 23:06	64.1	24/3/2013 0:11	63.8	25/3/2013 1:16	63.1	26/3/2013 2:21	62.1	27/3/2013 3:26	62.4
21/3/2013 6:06	56.2	22/3/2013 23:11	63.9	24/3/2013 0:16	62.7	25/3/2013 1:21	47.9	26/3/2013 2:26	61.8	27/3/2013 3:31	62.6
21/3/2013 6:11	59.5	22/3/2013 23:16	64.4	24/3/2013 0:21	64.8	25/3/2013 1:26	63.0	26/3/2013 2:31	61.9	27/3/2013 3:36	63.1
21/3/2013 6:16	59.4	22/3/2013 23:21	64.1	24/3/2013 0:26	63.4	25/3/2013 1:31	62.0	26/3/2013 2:36	61.6	27/3/2013 3:41	62.2
21/3/2013 6:21	61.7	22/3/2013 23:26	64.4	24/3/2013 0:31	62.1	25/3/2013 1:36	62.5	26/3/2013 2:41	61.9	27/3/2013 3:46	61.9
21/3/2013 6:26	62.7	22/3/2013 23:31	64.7	24/3/2013 0:36	63.0	25/3/2013 1:41	62.6	26/3/2013 2:46	61.5	27/3/2013 3:51	62.8
21/3/2013 6:31	61.8	22/3/2013 23:36	64.8	24/3/2013 0:41	62.0	25/3/2013 1:46	62.1	26/3/2013 2:51	61.5	27/3/2013 3:56	61.9
21/3/2013 6:36	64.1	22/3/2013 23:41	64.0	24/3/2013 0:46	62.2	25/3/2013 1:51	61.2	26/3/2013 2:56	61.9	27/3/2013 4:01	61.4
21/3/2013 6:41	65.0	22/3/2013 23:46	64.0	24/3/2013 0:51	58.8	25/3/2013 1:56	62.2	26/3/2013 3:01	61.8	27/3/2013 4:06	51.5
21/3/2013 6:46	65.3	22/3/2013 23:51	64.2	24/3/2013 0:56	60.1	25/3/2013 2:01	61.5	26/3/2013 3:06	61.4	27/3/2013 4:11	62.1
21/3/2013 6:51	65.8	22/3/2013 23:56	63.7	24/3/2013 1:01	60.1	25/3/2013 2:06	60.6	26/3/2013 3:11	61.8	27/3/2013 4:16	61.9
21/3/2013 6:56	65.6	23/3/2013 0:01	63.5	24/3/2013 1:06	61.3	25/3/2013 2:11	61.7	26/3/2013 3:16	61.5	27/3/2013 4:21	61.4
21/3/2013 23:01	65.7	23/3/2013 0:06	64.4	24/3/2013 1:11	60.9	25/3/2013 2:16	61.4	26/3/2013 3:21	60.7	27/3/2013 4:26	62.6
21/3/2013 23:06	65.0	23/3/2013 0:11	64.2	24/3/2013 1:16	57.3	25/3/2013 2:21	61.3	26/3/2013 3:26	61.4	27/3/2013 4:31	62.9
21/3/2013 23:11	64.4	23/3/2013 0:16	63.4	24/3/2013 1:21	59.7	25/3/2013 2:26	61.7	26/3/2013 3:31	61.3	27/3/2013 4:36	48.3
21/3/2013 23:16	61.5	23/3/2013 0:21	63.0	24/3/2013 1:26	60.1	25/3/2013 2:31	61.1	26/3/2013 3:36	60.9	27/3/2013 4:41	62.6
21/3/2013 23:21	60.5	23/3/2013 0:26	62.8	24/3/2013 1:31	59.1	25/3/2013 2:36	60.3	26/3/2013 3:41	59.0	27/3/2013 4:46	62.8
21/3/2013 23:26	63.2	23/3/2013 0:31	63.5	24/3/2013 1:36	59.1	25/3/2013 2:41	60.3	26/3/2013 3:46	60.4	27/3/2013 4:51	63.0
21/3/2013 23:31	58.7	23/3/2013 0:36	62.6	24/3/2013 1:41	62.0	25/3/2013 2:46	60.3	26/3/2013 3:51	60.5	27/3/2013 4:56	62.7
21/3/2013 23:36	54.8	23/3/2013 0:41	63.0	24/3/2013 1:46	58.1	25/3/2013 2:51	60.8	26/3/2013 3:56	59.6	27/3/2013 5:01	62.8
21/3/2013 23:41	56.2	23/3/2013 0:46	62.8	24/3/2013 1:51	55.7	25/3/2013 2:56	60.0	26/3/2013 4:01	59.5	27/3/2013 5:06	48.6
21/3/2013 23:46	62.7	23/3/2013 0:51	62.8	24/3/2013 1:56	58.0	25/3/2013 3:01	60.6	26/3/2013 4:06	59.1	27/3/2013 5:11	55.1
21/3/2013 23:51	43.7	23/3/2013 0:56	61.6	24/3/2013 2:01	58.0	25/3/2013 3:06	59.2	26/3/2013 4:11	59.1	27/3/2013 5:16	52.8
21/3/2013 23:56	58.0	23/3/2013 1:01	61.4	24/3/2013 2:06	57.0	25/3/2013 3:11	60.1	26/3/2013 4:16	59.4	27/3/2013 5:21	51.8
22/3/2013 0:01	59.8	23/3/2013 1:06	62.7	24/3/2013 2:11	55.0	25/3/2013 3:16	60.2	26/3/2013 4:21	60.0	27/3/2013 5:26	56.2
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22/3/2013 0:11	56.8	23/3/2013 1:16	62.3	24/3/2013 2:21	53.9	25/3/2013 3:26	60.4	26/3/2013 4:31	60.4	27/3/2013 5:36	52.8
22/3/2013 0:16	58.5	23/3/2013 1:21	63.0	24/3/2013 2:26	57.4	25/3/2013 3:31	60.2	26/3/2013 4:36	59.7	27/3/2013 5:41	60.0
22/3/2013 0:21	54.9	23/3/2013 1:26	62.0	24/3/2013 2:31	54.2	25/3/2013 3:36	61.6	26/3/2013 4:41	60.6	27/3/2013 5:46	57.1
22/3/2013 0:26	55.8	23/3/2013 1:31	61.8	24/3/2013 2:36	48.6	25/3/2013 3:41	59.0	26/3/2013 4:46	60.3	27/3/2013 5:51	61.7
22/3/2013 0:31	57.0	23/3/2013 1:36	60.5	24/3/2013 2:41	49.1	25/3/2013 3:46	59.7	26/3/2013 4:51	59.9	27/3/2013 5:56	59.6
22/3/2013 0:36	48.6	23/3/2013 1:41	62.2	24/3/2013 2:46	53.8	25/3/2013 3:51	60.0	26/3/2013 4:56	60.0	27/3/2013 6:01	61.7
22/3/2013 0:41	56.2	23/3/2013 1:46	59.9	24/3/2013 2:51	56.0	25/3/2013 3:56	59.2	26/3/2013 5:01	61.5	27/3/2013 6:06	61.1
22/3/2013 0:46	54.6	23/3/2013 1:51	62.6	24/3/2013 2:56	62.9	25/3/2013 4:01	58.7	26/3/2013 5:06	62.7	27/3/2013 6:11	62.1
22/3/2013 0:51	55.8	23/3/2013 1:56	60.9	24/3/2013 3:01	53.9	25/3/2013 4:06	58.6	26/3/2013 5:11	61.9	27/3/2013 6:16	64.6
22/3/2013 0:56	59.5	23/3/2013 2:01	60.1	24/3/2013 3:06	63.0	25/3/2013 4:11	59.0	26/3/2013 5:16	61.4	27/3/2013 6:21	64.4
22/3/2013 1:01	59.1	23/3/2013 2:06	60.4	24/3/2013 3:11	62.9	25/3/2013 4:16	59.3	26/3/2013 5:21	62.3	27/3/2013 6:26	65.1
22/3/2013 1:06	61.2	23/3/2013 2:11	56.4	24/3/2013 3:16	54.9	25/3/2013 4:21	60.8	26/3/2013 5:26	61.5	27/3/2013 6:31	66.0
22/3/2013 1:11	58.4	23/3/2013 2:16	58.5	24/3/2013 3:21	63.1	25/3/2013 4:26	59.5	26/3/2013 5:31	61.8	27/3/2013 6:36	66.3
22/3/2013 1:16	59.0	23/3/2013 2:21	60.8	24/3/2013 3:26	62.8	25/3/2013 4:31	59.6	26/3/2013 5:36	62.1	27/3/2013 6:41	67.1
22/3/2013 1:21	60.9	23/3/2013 2:26	57.0	24/3/2013 3:31	62.2	25/3/2013 4:36	60.4	26/3/2013 5:41	57.3	27/3/2013 6:46	67.1
22/3/2013 1:26	56.9	23/3/2013 2:31	59.5	24/3/2013 3:36	62.9	25/3/2013 4:41	60.3	26/3/2013 5:46	54.6	27/3/2013 6:51	67.7
22/3/2013 1:31	60.6	23/3/2013 2:36	57.9	24/3/2013 3:41	62.3	25/3/2013 4:46	60.2	26/3/2013 5:51	55.0	27/3/2013 6:56	67.9
22/3/2013 1:36	58.6	23/3/2013 2:41	59.8	24/3/2013 3:46	62.9	25/3/2013 4:51	60.8	26/3/2013 5:56	58.2	27/3/2013 23:01	65.7
22/3/2013 1:41	57.0	23/3/2013 2:46	55.9	24/3/2013 3:51	62.5	25/3/2013 4:56	60.4	26/3/2013 6:01	56.7	27/3/2013 23:06	66.0
22/3/2013 1:46	55.9	23/3/2013 2:51	58.4	24/3/2013 3:56	62.0	25/3/2013 5:01	60.2	26/3/2013 6:06	61.1	27/3/2013 23:11	65.9
22/3/2013 1:51	55.9	23/3/2013 2:56	55.9	24/3/2013 4:01	62.3	25/3/2013 5:06	61.1	26/3/2013 6:11	59.0	27/3/2013 23:16	65.6
22/3/2013 1:56	55.9	23/3/2013 3:01	57.6	24/3/2013 4:06	62.4	25/3/2013 5:11	60.9	26/3/2013 6:16	63.9	27/3/2013 23:21	65.6
22/3/2013 2:01	51.6	23/3/2013 3:06	55.0	24/3/2013 4:11	62.6	25/3/2013 5:16	60.6	26/3/2013 6:21	62.2	27/3/2013 23:26	66.0
22/3/2013 2:06	63.0	23/3/2013 3:11	55.6	24/3/2013 4:16	62.1	25/3/2013 5:21	61.1	26/3/2013 6:26	64.4	27/3/2013 23:31	64.8
22/3/2013 2:11	54.2	23/3/2013 3:16	57.9	24/3/2013 4:21	46.8	25/3/2013 5:26	62.5	26/3/2013 6:31	64.5	27/3/2013 23:36	63.4
22/3/2013 2:16	63.1	23/3/2013 3:21	62.9	24/3/2013 4:26	63.1	25/3/2013 5:31	62.6	26/3/2013 6:36	64.7	27/3/2013 23:41	64.6
22/3/2013 2:21	51.0	23/3/2013 3:26	58.0	24/3/2013 4:31	62.9	25/3/2013 5:36	50.5	26/3/2013 6:41	66.2	27/3/2013 23:46	64.3
22/3/2013 2:26	62.6	23/3/2013 3:31	56.7	24/3/2013 4:36	62.6	25/3/2013 5:41	62.9	26/3/2013 6:46	66.4	27/3/2013 23:51	65.4
22/3/2013 2:31	62.9	23/3/2013 3:36	52.3	24/3/2013 4:41	62.9	25/3/2013 5:46	62.5	26/3/2013 6:51	67.		

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)												
<b>Normal Day 07:00-19:00</b>	5/3/2013 12:01	65.4	9/3/2013 18:31	65.4	15/3/2013 13:01	66.6	21/3/2013 7:31	64.7	26/3/2013 14:01	66.1			
	5/3/2013 12:31	65.3	11/3/2013 7:01	64.6	15/3/2013 13:31	66.7	21/3/2013 8:01	63.8	26/3/2013 14:31	65.7			
	5/3/2013 13:01	65.7	11/3/2013 7:31	65.4	15/3/2013 14:01	65.4	21/3/2013 8:31	63.3	26/3/2013 15:01	65.4			
28/2/2013 7:01	63.8	5/3/2013 13:31	65.9	11/3/2013 8:01	64.1	15/3/2013 14:31	65.6	21/3/2013 9:01	63.4	26/3/2013 15:31	65.4		
28/2/2013 7:31	63.6	5/3/2013 14:01	65.9	11/3/2013 8:31	63.6	15/3/2013 15:01	66.1	21/3/2013 9:31	63.1	26/3/2013 16:01	65.9		
28/2/2013 8:01	64.0	5/3/2013 14:31	65.5	11/3/2013 9:01	63.6	15/3/2013 15:31	66.1	21/3/2013 10:01	64.4	26/3/2013 16:31	66.6		
28/2/2013 8:31	64.7	5/3/2013 15:01	65.3	11/3/2013 9:31	64.4	15/3/2013 16:01	65.4	21/3/2013 10:31	64.1	26/3/2013 17:01	65.9		
28/2/2013 9:01	65.1	5/3/2013 15:31	64.6	11/3/2013 10:01	65.8	15/3/2013 16:31	65.6	21/3/2013 11:01	64.3	26/3/2013 17:31	66.8		
28/2/2013 9:31	65.5	5/3/2013 16:01	64.9	11/3/2013 10:31	66.2	15/3/2013 17:01	65.9	21/3/2013 11:31	64.0	26/3/2013 18:01	64.5		
28/2/2013 10:01	66.1	5/3/2013 16:31	65.3	11/3/2013 11:01	66.0	15/3/2013 17:31	64.8	21/3/2013 12:01	64.1	26/3/2013 18:31	62.2		
28/2/2013 10:31	66.3	5/3/2013 17:01	65.3	11/3/2013 11:31	65.5	15/3/2013 18:01	65.0	21/3/2013 12:31	64.8	27/3/2013 7:01	66.7		
28/2/2013 11:01	66.8	5/3/2013 17:31	66.2	11/3/2013 12:01	63.8	15/3/2013 18:31	64.5	21/3/2013 13:01	66.1	27/3/2013 7:31	67.5		
28/2/2013 11:31	66.3	5/3/2013 18:01	66.3	11/3/2013 12:31	65.4	16/3/2013 7:01	64.8	21/3/2013 13:31	66.5	27/3/2013 8:01	65.7		
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28/2/2013 12:31	65.6	6/3/2013 7:01	65.5	11/3/2013 13:31	66.4	16/3/2013 8:01	66.5	21/3/2013 14:31	65.3	27/3/2013 9:01	63.4		
28/2/2013 13:01	66.7	6/3/2013 7:31	65.8	11/3/2013 14:01	66.2	16/3/2013 8:31	66.6	21/3/2013 15:01	64.7	27/3/2013 9:31	64.5		
28/2/2013 13:31	66.8	6/3/2013 8:01	65.5	11/3/2013 14:31	66.2	16/3/2013 9:01	66.3	21/3/2013 15:31	64.7	27/3/2013 10:01	66.4		
28/2/2013 14:01	66.6	6/3/2013 8:31	64.9	11/3/2013 15:01	66.0	16/3/2013 9:31	66.6	21/3/2013 16:01	65.0	27/3/2013 10:31	66.0		
28/2/2013 14:31	65.8	6/3/2013 9:01	64.6	11/3/2013 15:31	65.3	16/3/2013 10:01	66.2	21/3/2013 16:31	66.3	27/3/2013 11:01	67.2		
28/2/2013 15:01	66.4	6/3/2013 9:31	66.9	11/3/2013 16:01	65.2	16/3/2013 10:31	65.9	21/3/2013 17:01	66.1	27/3/2013 11:31	66.8		
28/2/2013 15:31	65.5	6/3/2013 10:01	66.7	11/3/2013 16:31	66.1	16/3/2013 11:01	64.7	21/3/2013 17:31	65.9	27/3/2013 12:01	63.7		
28/2/2013 16:01	64.9	6/3/2013 10:31	66.7	11/3/2013 17:01	66.0	16/3/2013 11:31	64.6	21/3/2013 18:01	65.8	27/3/2013 12:31	63.8		
28/2/2013 16:31	65.5	6/3/2013 11:01	67.0	11/3/2013 17:31	66.3	16/3/2013 12:01	63.0	21/3/2013 18:31	65.8	27/3/2013 13:01	66.5		
28/2/2013 17:01	66.6	6/3/2013 11:31	66.2	11/3/2013 18:01	66.0	16/3/2013 12:31	65.0	22/3/2013 7:01	64.8	27/3/2013 13:31	65.8		
28/2/2013 17:31	66.0	6/3/2013 12:01	65.7	11/3/2013 18:31	65.1	16/3/2013 13:01	65.6	22/3/2013 7:31	65.5	27/3/2013 14:01	67.2		
28/2/2013 18:01	65.0	6/3/2013 12:31	63.4	12/3/2013 7:01	65.1	16/3/2013 13:31	64.3	22/3/2013 8:01	63.9	27/3/2013 14:31	65.8		
28/2/2013 18:31	64.4	6/3/2013 13:01	66.7	12/3/2013 7:31	66.2	16/3/2013 14:01	65.3	22/3/2013 8:31	63.6	27/3/2013 15:01	67.3		
1/3/2013 7:01	64.4	6/3/2013 13:31	67.4	12/3/2013 8:01	64.3	16/3/2013 14:31	64.4	22/3/2013 9:01	63.8	27/3/2013 15:31	67.5		
1/3/2013 7:31	65.4	6/3/2013 14:01	66.5	12/3/2013 8:31	64.2	16/3/2013 15:01	65.7	22/3/2013 9:31	64.2	27/3/2013 16:01	66.4		
1/3/2013 8:01	63.7	6/3/2013 14:31	66.1	12/3/2013 9:01	65.2	16/3/2013 15:31	65.0	22/3/2013 10:01	65.0	27/3/2013 16:31	66.4		
1/3/2013 8:31	63.8	6/3/2013 15:01	66.3	12/3/2013 9:31	66.6	16/3/2013 16:01	65.2	22/3/2013 10:31	65.7	27/3/2013 17:01	67.1		
1/3/2013 9:01	64.2	6/3/2013 15:31	65.2	12/3/2013 10:01	65.9	16/3/2013 16:31	64.3	22/3/2013 11:01	66.0	27/3/2013 17:31	66.2		
1/3/2013 9:31	66.1	6/3/2013 16:01	66.1	12/3/2013 10:31	66.2	16/3/2013 17:01	66.0	22/3/2013 11:31	65.4	27/3/2013 18:01	66.1		
1/3/2013 10:01	67.0	6/3/2013 16:31	65.7	12/3/2013 11:01	66.8	16/3/2013 17:31	65.0	22/3/2013 12:01	64.3	27/3/2013 18:31	65.3		
1/3/2013 10:31	66.5	6/3/2013 17:01	65.3	12/3/2013 11:31	65.1	16/3/2013 18:01	64.5	22/3/2013 12:31	64.4				
1/3/2013 11:01	67.0	6/3/2013 17:31	66.1	12/3/2013 12:01	63.9	16/3/2013 18:31	63.9	22/3/2013 13:01	64.2				
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1/3/2013 12:01	64.9	6/3/2013 18:31	64.2	12/3/2013 13:01	66.1	18/3/2013 7:31	65.2	22/3/2013 14:01	64.4				
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1/3/2013 13:01	65.9	7/3/2013 7:31	66.6	12/3/2013 14:01	66.3	18/3/2013 8:31	63.2	22/3/2013 15:01	63.9				
1/3/2013 13:31	66.3	7/3/2013 8:01	65.2	12/3/2013 14:31	65.6	18/3/2013 9:01	64.1	22/3/2013 15:31	63.7				
1/3/2013 14:01	65.8	7/3/2013 8:31	64.7	12/3/2013 15:01	65.8	18/3/2013 9:31	63.8	22/3/2013 16:01	63.7				
1/3/2013 14:31	65.1	7/3/2013 9:01	64.5	12/3/2013 15:31	66.2	18/3/2013 10:01	64.9	22/3/2013 16:31	63.7				
1/3/2013 15:01	64.9	7/3/2013 9:31	64.7	12/3/2013 16:01	65.3	18/3/2013 10:31	66.1	22/3/2013 17:01	63.7				
1/3/2013 15:31	64.7	7/3/2013 10:01	65.2	12/3/2013 16:31	65.0	18/3/2013 11:01	66.6	22/3/2013 17:31	63.5				
1/3/2013 16:01	65.7	7/3/2013 10:31	66.3	12/3/2013 17:01	64.9	18/3/2013 11:31	65.3	22/3/2013 18:01	63.6				
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1/3/2013 17:31	66.3	7/3/2013 12:01	65.3	12/3/2013 18:31	65.5	18/3/2013 13:01	66.5	23/3/2013 7:31	65.8				
1/3/2013 18:01	65.8	7/3/2013 12:31	66.0	13/3/2013 7:01	65.2	18/3/2013 13:31	66.6	23/3/2013 8:01	66.2				
1/3/2013 18:31	65.5	7/3/2013 13:01	66.6	13/3/2013 7:31	66.6	18/3/2013 14:01	66.3	23/3/2013 8:31	65.7				
2/3/2013 7:01	63.6	7/3/2013 13:31	66.4	13/3/2013 8:01	64.6	18/3/2013 14:31	66.0	23/3/2013 9:01	65.1				
2/3/2013 7:31	65.2	7/3/2013 14:01	66.7	13/3/2013 8:31	64.3	18/3/2013 15:01	65.5	23/3/2013 9:31	64.8				
2/3/2013 8:01	66.0	7/3/2013 14:31	66.2	13/3/2013 9:01	64.5	18/3/2013 15:31	66.0	23/3/2013 10:01	64.0				
2/3/2013 8:31	65.9	7/3/2013 15:01	65.3	13/3/2013 9:31	66.3	18/3/2013 16:01	65.4	23/3/2013 10:31	64.6				
2/3/2013 9:01	65.5	7/3/2013 15:31	65.1	13/3/2013 10:01	67.2	18/3/2013 16:31	66.0	23/3/2013 11:01	64.3				
2/3/2013 9:31	65.7	7/3/2013 16:01	66.5	13/3/2013 10:31	67.2	18/3/2013 17:01	66.0	23/3/2013 11:31	64.5				
2/3/2013 10:01	65.9	7/3/2013 16:31	66.5	13/3/2013 11:01	66.6	18/3/2013 17:31	66.2	23/3/2013 12:01	64.0				
2/3/2013 10:31	65.8	7/3/2013 17:01	65.5	13/3/2013 11:31	66.2	18/3/2013 18:01	65.7	23/3/2013 12:31	64.3				
2/3/2013 11:01	66.3	7/3/2013 17:31	66.1	13/3/2013 12:01	65.8	18/3/2013 18:31	65.2	23/3/2013 13:01	66.0				
2/3/2013 11:31	64.6	7/3/2013 18:01	66.0	13/3/2013 12:31	66.3	19/3/2013 7:01	64.4	23/3/2013 13:31	65.2				
2/3/2013 12:01	64.0	7/3/2013 18:31	65.7	13/3/2013 13:01	66.6	19/3/2013 7:31	65.0	23/3/2013 14:01	64.9				
2/3/2013 12:31	64.0	8/3/2013 7:01	65.2	13/3/2013 13:31	66.2	19/3/2013 8:01	63.8	23/3/2013 14:31	65.6				
2/3/2013 13:01	66.0	8/3/2013 7:31	65.9	13/3/2013 14:01	66.8	19/3/2013 8:31	64.3	23/3/2013 15:01	64.3				
2/3/2013 13:31	65.3	8/3/2013 8:01	65.7	13/3/2013 14:31	66.0	19/3/2013 9:01	64.2	23/3/2013 15:31	64.8				
2/3/2013 14:01	65.6	8/3/2013 8:31	64.7	13/3/2013 15:01	65.3	19/3/2013 9:31	65.2	23/3/2013 16:01	65.8				
2/3/2013 14:31	65.0	8/3/2013 9:01	65.0	13/3/2013 15:31	65.5	19/3/2013 10:01	66.5	23/3/2013 16:31	66.0				
2/3/2013 15:01	65.5	8/3/2013 9:31	66.3	13/3/2013 16:01	65.0	19/3/2013 10:31	66.6	23/3/2013 17:01	65.9				

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
1/3/2013 20:51	58.8	3/3/2013 9:56	37.3	3/3/2013 19:01	43.4	5/3/2013 20:06	60.6	7/3/2013 21:11	59.7	9/3/2013 22:16	53.3
1/3/2013 20:56	55.5	3/3/2013 10:01	58.9	3/3/2013 19:06	55.9	5/3/2013 20:11	59.8	7/3/2013 21:16	57.1	9/3/2013 22:21	54.6
1/3/2013 21:01	56.7	3/3/2013 10:06	63.3	3/3/2013 19:11	59.2	5/3/2013 20:16	60.7	7/3/2013 21:21	62.9	9/3/2013 22:26	58.1
1/3/2013 21:06	55.6	3/3/2013 10:11	63.2	3/3/2013 19:16	55.9	5/3/2013 20:21	61.3	7/3/2013 21:26	58.0	9/3/2013 22:31	55.2
1/3/2013 21:11	56.0	3/3/2013 10:16	54.9	3/3/2013 19:21	57.6	5/3/2013 20:26	59.2	7/3/2013 21:31	60.1	9/3/2013 22:36	59.6
1/3/2013 21:16	55.9	3/3/2013 10:21	63.6	3/3/2013 19:26	54.9	5/3/2013 20:31	61.3	7/3/2013 21:36	59.6	9/3/2013 22:41	58.2
1/3/2013 21:21	54.5	3/3/2013 10:26	51.2	3/3/2013 19:31	56.4	5/3/2013 20:36	60.1	7/3/2013 21:41	56.3	9/3/2013 22:46	59.5
1/3/2013 21:26	53.7	3/3/2013 10:31	56.6	3/3/2013 19:36	56.0	5/3/2013 20:41	60.2	7/3/2013 21:46	58.3	9/3/2013 22:51	59.2
1/3/2013 21:31	47.4	3/3/2013 10:36	50.0	3/3/2013 19:41	55.0	5/3/2013 20:46	58.5	7/3/2013 21:51	56.2	9/3/2013 22:56	63.1
1/3/2013 21:36	57.5	3/3/2013 10:41	56.2	3/3/2013 19:46	56.5	5/3/2013 20:51	55.5	7/3/2013 21:56	58.2	10/3/2013 7:01	62.5
1/3/2013 21:41	47.8	3/3/2013 10:46	61.0	3/3/2013 19:51	56.0	5/3/2013 20:56	54.1	7/3/2013 22:01	57.3	10/3/2013 7:06	62.4
1/3/2013 21:46	53.4	3/3/2013 10:51	54.1	3/3/2013 19:56	55.3	5/3/2013 21:01	56.8	7/3/2013 22:06	57.4	10/3/2013 7:11	62.5
1/3/2013 21:51	55.4	3/3/2013 10:56	52.5	3/3/2013 20:01	59.6	5/3/2013 21:06	56.9	7/3/2013 22:11	62.9	10/3/2013 7:16	72.3
1/3/2013 21:56	55.6	3/3/2013 11:01	51.6	3/3/2013 20:06	53.5	5/3/2013 21:11	56.1	7/3/2013 22:16	58.7	10/3/2013 7:21	68.7
1/3/2013 22:01	57.0	3/3/2013 11:06	57.7	3/3/2013 20:11	56.8	5/3/2013 21:16	58.0	7/3/2013 22:21	58.0	10/3/2013 7:26	63.6
1/3/2013 22:06	52.4	3/3/2013 11:11	56.3	3/3/2013 20:16	57.6	5/3/2013 21:21	49.7	7/3/2013 22:26	53.7	10/3/2013 7:31	52.2
1/3/2013 22:11	56.4	3/3/2013 11:16	56.5	3/3/2013 20:21	52.9	5/3/2013 21:26	55.5	7/3/2013 22:31	58.2	10/3/2013 7:36	63.7
1/3/2013 22:16	60.3	3/3/2013 11:21	56.3	3/3/2013 20:26	58.3	5/3/2013 21:31	58.1	7/3/2013 22:36	59.6	10/3/2013 7:41	53.9
1/3/2013 22:21	51.9	3/3/2013 11:26	49.2	3/3/2013 20:31	55.9	5/3/2013 21:36	59.9	7/3/2013 22:41	48.5	10/3/2013 7:46	63.1
1/3/2013 22:26	57.8	3/3/2013 11:31	53.8	3/3/2013 20:36	56.7	5/3/2013 21:41	59.7	7/3/2013 22:46	58.0	10/3/2013 7:51	63.4
1/3/2013 22:31	53.1	3/3/2013 11:36	59.7	3/3/2013 20:41	63.7	5/3/2013 21:46	54.3	7/3/2013 22:51	52.2	10/3/2013 7:56	45.8
1/3/2013 22:36	48.2	3/3/2013 11:41	52.5	3/3/2013 20:46	60.3	5/3/2013 21:51	48.2	7/3/2013 22:56	58.1	10/3/2013 8:01	63.1
1/3/2013 22:41	55.6	3/3/2013 11:46	60.6	3/3/2013 20:51	54.5	5/3/2013 21:56	58.1	8/3/2013 19:01	48.9	10/3/2013 8:06	64.9
1/3/2013 22:46	56.1	3/3/2013 11:51	59.4	3/3/2013 20:56	54.7	5/3/2013 22:01	56.1	8/3/2013 19:06	57.8	10/3/2013 8:11	65.1
1/3/2013 22:51	57.8	3/3/2013 11:56	56.8	3/3/2013 21:01	53.1	5/3/2013 22:06	63.5	8/3/2013 19:11	52.4	10/3/2013 8:16	58.6
1/3/2013 22:56	59.0	3/3/2013 12:01	57.0	3/3/2013 21:06	58.1	5/3/2013 22:11	60.4	8/3/2013 19:16	58.1	10/3/2013 8:21	63.7
2/3/2013 19:01	51.4	3/3/2013 12:06	60.0	3/3/2013 21:11	53.7	5/3/2013 22:16	56.6	8/3/2013 19:21	58.0	10/3/2013 8:26	52.2
2/3/2013 19:06	53.1	3/3/2013 12:11	54.8	3/3/2013 21:16	51.9	5/3/2013 22:21	53.9	8/3/2013 19:26	56.9	10/3/2013 8:31	59.2
2/3/2013 19:11	57.5	3/3/2013 12:16	54.6	3/3/2013 21:21	54.3	5/3/2013 22:26	56.3	8/3/2013 19:31	59.0	10/3/2013 8:36	58.2
2/3/2013 19:16	57.2	3/3/2013 12:21	65.3	3/3/2013 21:26	59.8	5/3/2013 22:31	56.8	8/3/2013 19:36	60.0	10/3/2013 8:41	57.3
2/3/2013 19:21	62.3	3/3/2013 12:26	55.9	3/3/2013 21:31	57.7	5/3/2013 22:36	40.3	8/3/2013 19:41	59.5	10/3/2013 8:46	46.9
2/3/2013 19:26	57.6	3/3/2013 12:31	58.2	3/3/2013 21:36	56.6	5/3/2013 22:41	58.0	8/3/2013 19:46	63.1	10/3/2013 8:51	54.5
2/3/2013 19:31	58.3	3/3/2013 12:36	55.0	3/3/2013 21:41	53.5	5/3/2013 22:46	63.5	8/3/2013 19:51	59.5	10/3/2013 8:56	56.8
2/3/2013 19:36	58.5	3/3/2013 12:41	54.9	3/3/2013 21:46	52.9	5/3/2013 22:51	53.9	8/3/2013 19:56	61.8	10/3/2013 9:01	57.7
2/3/2013 19:41	55.2	3/3/2013 12:46	55.4	3/3/2013 21:51	51.8	5/3/2013 22:56	56.7	8/3/2013 20:01	61.0	10/3/2013 9:06	56.8
2/3/2013 19:46	61.5	3/3/2013 12:51	55.2	3/3/2013 21:56	63.4	6/3/2013 19:01	57.4	8/3/2013 20:06	58.9	10/3/2013 9:11	58.2
2/3/2013 19:51	56.7	3/3/2013 12:56	57.8	3/3/2013 22:01	54.6	6/3/2013 19:06	58.7	8/3/2013 20:11	58.4	10/3/2013 9:16	56.6
2/3/2013 19:56	51.9	3/3/2013 13:01	59.8	3/3/2013 22:06	40.3	6/3/2013 19:11	60.2	8/3/2013 20:16	59.0	10/3/2013 9:21	58.6
2/3/2013 20:01	56.9	3/3/2013 13:06	58.1	3/3/2013 22:11	57.8	6/3/2013 19:16	60.1	8/3/2013 20:21	61.0	10/3/2013 9:26	53.1
2/3/2013 20:06	56.3	3/3/2013 13:11	59.6	3/3/2013 22:16	54.2	6/3/2013 19:21	61.6	8/3/2013 20:26	58.0	10/3/2013 9:31	57.8
2/3/2013 20:11	55.9	3/3/2013 13:16	59.7	3/3/2013 22:21	63.5	6/3/2013 19:26	58.9	8/3/2013 20:31	61.4	10/3/2013 9:36	55.3
2/3/2013 20:16	55.9	3/3/2013 13:21	60.0	3/3/2013 22:26	52.1	6/3/2013 19:31	62.4	8/3/2013 20:36	56.8	10/3/2013 9:41	57.6
2/3/2013 20:21	57.7	3/3/2013 13:26	57.9	3/3/2013 22:31	40.3	6/3/2013 19:36	56.9	8/3/2013 20:41	60.8	10/3/2013 9:46	58.2
2/3/2013 20:26	59.7	3/3/2013 13:31	53.1	3/3/2013 22:36	59.1	6/3/2013 19:41	60.9	8/3/2013 20:46	58.7	10/3/2013 9:51	54.1
2/3/2013 20:31	58.4	3/3/2013 13:36	58.6	3/3/2013 22:41	52.1	6/3/2013 19:46	59.7	8/3/2013 20:51	58.0	10/3/2013 9:56	57.8
2/3/2013 20:36	51.1	3/3/2013 13:41	54.5	3/3/2013 22:46	63.4	6/3/2013 19:51	60.7	8/3/2013 20:56	53.8	10/3/2013 10:01	56.5
2/3/2013 20:41	53.7	3/3/2013 13:46	53.9	3/3/2013 22:51	63.2	6/3/2013 19:56	61.6	8/3/2013 21:01	59.3	10/3/2013 10:06	59.3
2/3/2013 20:46	55.5	3/3/2013 13:51	59.2	3/3/2013 22:56	55.9	6/3/2013 20:01	62.2	8/3/2013 21:06	58.0	10/3/2013 10:11	56.7
2/3/2013 20:51	53.1	3/3/2013 13:56	53.2	4/3/2013 19:01	61.9	6/3/2013 20:06	58.0	8/3/2013 21:11	55.2	10/3/2013 10:16	57.4
2/3/2013 20:56	61.9	3/3/2013 14:01	57.1	4/3/2013 19:06	62.1	6/3/2013 20:11	58.9	8/3/2013 21:16	57.6	10/3/2013 10:21	59.9
2/3/2013 21:01	54.5	3/3/2013 14:06	52.2	4/3/2013 19:11	62.4	6/3/2013 20:16	60.1	8/3/2013 21:21	56.1	10/3/2013 10:26	62.2
2/3/2013 21:06	63.5	3/3/2013 14:11	58.7	4/3/2013 19:16	61.6	6/3/2013 20:21	61.1	8/3/2013 21:26	59.0	10/3/2013 10:31	57.8
2/3/2013 21:11	63.7	3/3/2013 14:16	54.7	4/3/2013 19:21	62.5	6/3/2013 20:26	60.6	8/3/2013 21:31	53.5	10/3/2013 10:36	59.8
2/3/2013 21:16	52.8	3/3/2013 14:21	57.6	4/3/2013 19:26	60.3	6/3/2013 20:31	60.8	8/3/2013 21:36	58.4	10/3/2013 10:41	58.5
2/3/2013 21:21	57.5	3/3/2013 14:26	59.8	4/3/2013 19:31	60.2	6/3/2013 20:36	58.1	8/3/2013 21:41	57.8	10/3/2013 10:46	54.6
2/3/2013 21:26	52.2	3/3/2013 14:31	56.3	4/3/2013 19:36	60.2	6/3/2013 20:41	60.1	8/3/2013 21:46	52.9	10/3/2013 10:51	53.3
2/3/2013 21:31	50.0	3/3/2013 14:36	55.9	4/3/2013 19:41	60.3	6/3/2013 20:46	63.1	8/3/2013 21:51	57.9	10/3/2013 10:56	59.8
2/3/2013 21:36	55.6	3/3/2013 14:41	51.9	4/3/2013 19:46	60.9	6/3/2013 20:51	55.3	8/3/2013 21:56	58.1	10/3/2013 11:01	60.0
2/3/2013 21:41	63.5	3/3/2013 14:46	54.8	4/3/2013 19:51	60.3	6/3/2013 20:56	57.5	8/3/2013 22:01	58.8	10/3/2013 11:06	60.3
2/3/2013 21:46	56.0	3/3/2013 14:51	57.2	4/3/2013 19:56	58.9	6/3/2013 21:01	55.9	8/3/2013 22:06	56.0	10/3/2013 11:11	60.7
2/3/2013 21:51	56.8	3/3/2013 14:56	63.6	4/3/2013 20:01	61.3	6/3/2013 21:06	56.5	8/3/2013 22:11	57.9	10/3/2013 11:16	59.8
2/3/2013 21:56	54.7	3/3/2013 15:01	53.2	4/3/2013 20:06	56.5	6/3/2013 21:11	60.0	8/3/2013 22:16	61.9	10/3/2013 11:21	40.3
2/3/2013 22:01	57.7	3/3/2013 15:06	56.0	4/3/2013 20:11	60.3	6/3/2013 21:16	57.4	8/3/2013 22:21	54.6	10/3/2013 11:26	59.2
2/3/2013 22:06	51.1	3/3/2013 15:11	58.4	4/3/2013 20:16	59.3	6/3/2013 21:21	58.6	8/3/2013 22:26	58.1	10/3/2013 11:31	60.6
2/3/2013 22:11	57.3	3/3/2013 15:16	58.9	4/3/2013 20:21	58.6	6/3/2013 21:26	56.3	8/3/2013 22:31	57.9	10/3/2013 11:36	59.8
2/3/2013 22:16	60.4	3/3/2013 15:21	54.8	4/3/2013 20:26	58.4	6/3/2013 21:31	58.3	8/3/2013 22:36	55.2	10/3/2013 11:41	59.9
2/3/2013 22:21	57.6	3/3/2013 15:26	65.7	4/3/2013 20:31	60.2	6/3/2013 21:36	59.9	8/3/2013 22:41	56.5	10/3/2013 11:46	61.2
2/3/2013 22:26	53.1	3/3/2013 15:31	52.5	4/3/2013 20:36	59.7	6/3/2013 21:41	57.0	8/3/2013 22:46	58.6	10/3/2013 11:51	57.9
2/3/2013 22:31	56.9	3/3/2013 15:36	59.0	4/3/2013 20:41	57.8	6/3/2013 21:46	56.7	8/3/2013 22:51	57.9	10/3/2013 11:56	63.6
2/3/2013 22:36	55.3	3/3/2013 15:41	55.1	4/3/2013 20:46	58.2	6/3/2013 21:51	50.9	8/3/2013 22:56	58.1	10/3/2013 12:01	53.4
2/3/2013 22:41	55.5	3/3/2013 15:46	54.7	4/3/2013 20:51	58.0	6/3/2013 21:56	59.2	9/3/2013 19:01	58.9		



Real-time Noise Data	RTN4 (Causeway Bay Community Centre)										
10/3/2013 15:21	56.5	11/3/2013 20:26	58.3	13/3/2013 21:31	59.4	15/3/2013 22:36	59.8	17/3/2013 11:41	58.0	17/3/2013 20:46	62.9
10/3/2013 15:26	56.8	11/3/2013 20:31	61.7	13/3/2013 21:36	57.8	15/3/2013 22:41	55.9	17/3/2013 11:46	56.1	17/3/2013 20:51	63.3
10/3/2013 15:31	56.3	11/3/2013 20:36	58.6	13/3/2013 21:41	57.0	15/3/2013 22:46	57.6	17/3/2013 11:51	56.9	17/3/2013 20:56	37.3
10/3/2013 15:36	51.2	11/3/2013 20:41	56.4	13/3/2013 21:46	52.8	15/3/2013 22:51	55.4	17/3/2013 11:56	52.7	17/3/2013 21:01	51.8
10/3/2013 15:41	57.3	11/3/2013 20:46	54.0	13/3/2013 21:51	54.6	15/3/2013 22:56	58.6	17/3/2013 12:01	54.1	17/3/2013 21:06	50.4
10/3/2013 15:46	55.1	11/3/2013 20:51	57.4	13/3/2013 21:56	56.1	16/3/2013 19:01	58.1	17/3/2013 12:06	54.6	17/3/2013 21:11	51.2
10/3/2013 15:51	55.4	11/3/2013 20:56	55.1	13/3/2013 22:01	58.2	16/3/2013 19:06	40.3	17/3/2013 12:11	59.2	17/3/2013 21:16	64.1
10/3/2013 15:56	57.2	11/3/2013 21:01	55.9	13/3/2013 22:06	55.2	16/3/2013 19:11	45.1	17/3/2013 12:16	53.3	17/3/2013 21:21	63.7
10/3/2013 16:01	57.8	11/3/2013 21:06	55.3	13/3/2013 22:11	54.7	16/3/2013 19:16	40.3	17/3/2013 12:21	63.5	17/3/2013 21:26	52.2
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10/3/2013 16:11	58.6	11/3/2013 21:16	50.4	13/3/2013 22:21	57.2	16/3/2013 19:26	57.8	17/3/2013 12:31	55.5	17/3/2013 21:36	57.8
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10/3/2013 20:21	56.1	12/3/2013 21:26	49.7	14/3/2013 22:31	53.9	17/3/2013 7:36	62.2	17/3/2013 16:41	58.0	18/3/2013 21:46	50.9
10/3/2013 20:26	56.9	12/3/2013 21:31	67.4	14/3/2013 22:36	57.3	17/3/2013 7:41	62.9	17/3/2013 16:46	57.0	18/3/2013 21:51	57.2
10/3/2013 20:31	63.6	12/3/2013 21:36	55.5	14/3/2013 22:41	55.9	17/3/2013 7:46	63.2	17/3/2013 16:51	59.6	18/3/2013 21:56	53.2
10/3/2013 20:36	58.3	12/3/2013 21:41	52.7	14/3/2013 22:46	52.5	17/3/2013 7:51	62.8	17/3/2013 16:56	56.1	18/3/2013 22:01	52.1
10/3/2013 20:41	63.2	12/3/2013 21:46	50.2	14/3/2013 22:51	57.1	17/3/2013 7:56	63.2	17/3/2013 17:01	56.2	18/3/2013 22:06	56.5
10/3/2013 20:46	63.7	12/3/2013 21:51	62.8	14/3/2013 22:56	55.6	17/3/2013 8:01	63.3	17/3/2013 17:06	55.1	18/3/2013 22:11	48.9
10/3/2013 20:51	55.5	12/3/2013 21:56	56.6	15/3/2013 19:01	61.0	17/3/2013 8:06	63.3	17/3/2013 17:11	58.8	18/3/2013 22:16	55.2
10/3/2013 20:56	57.4	12/3/2013 22:01	49.2	15/3/2013 19:06	59.2	17/3/2013 8:11	62.8	17/3/2013 17:16	60.6	18/3/2013 22:21	47.8
10/3/2013 21:01	53.8	12/3/2013 22:06	56.3	15/3/2013 19:11	50.9	17/3/2013 8:16	52.1	17/3/201			

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
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19/3/2013 21:56	60.5	22/3/2013 19:01	62.4	24/3/2013 8:06	52.1	24/3/2013 17:11	59.3	25/3/2013 22:16	63.7	28/2/2013 0:11	60.4
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19/3/2013 22:06	56.3	22/3/2013 19:11	61.5	24/3/2013 8:16	58.0	24/3/2013 17:21	57.3	25/3/2013 22:26	37.3	28/2/2013 0:21	60.0
19/3/2013 22:11	59.9	22/3/2013 19:16	61.5	24/3/2013 8:21	56.8	24/3/2013 17:26	59.9	25/3/2013 22:31	48.2	28/2/2013 0:26	57.3
19/3/2013 22:16	60.4	22/3/2013 19:21	61.6	24/3/2013 8:26	55.9	24/3/2013 17:31	60.7	25/3/2013 22:36	48.5	28/2/2013 0:31	61.2
19/3/2013 22:21	60.0	22/3/2013 19:26	61.5	24/3/2013 8:31	52.4	24/3/2013 17:36	61.7	25/3/2013 22:41	52.7	28/2/2013 0:36	56.9
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19/3/2013 22:41	62.0	22/3/2013 19:46	61.7	24/3/2013 8:51	63.1	24/3/2013 17:56	58.8	26/3/2013 19:01	61.1	28/2/2013 0:56	52.2
19/3/2013 22:46	59.8	22/3/2013 19:51	62.2	24/3/2013 8:56	58.4	24/3/2013 18:01	57.3	26/3/2013 19:06	62.0	28/2/2013 1:01	60.2
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20/3/2013 19:31	60.9	22/3/2013 20:36	60.2	24/3/2013 9:41	59.5	24/3/2013 18:46	54.6	26/3/2013 19:51	59.2	28/2/2013 1:46	59.3
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20/3/2013 19:51	61.6	22/3/2013 20:56	59.5	24/3/2013 10:01	56.3	24/3/2013 19:06	57.2	26/3/2013 20:11	63.0	28/2/2013 2:06	59.8
20/3/2013 19:56	59.2	22/3/2013 21:01	59.5	24/3/2013 10:06	57.5	24/3/2013 19:11	58.8	26/3/2013 20:16	62.9	28/2/2013 2:11	60.1
20/3/2013 20:01	59.8	22/3/2013 21:06	59.2	24/3/2013 10:11	58.2	24/3/2013 19:16	57.8	26/3/2013 20:21	62.8	28/2/2013 2:16	58.8
20/3/2013 20:06	61.2	22/3/2013 21:11	60.5	24/3/2013 10:16	59.2	24/3/2013 19:21	55.9	26/3/2013 20:26	63.2	28/2/2013 2:21	58.8
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21/3/2013 19:31	62.0	23/3/2013 20:36	57.2	24/3/2013 13:41	56.8	24/3/2013 22:46	63.5	27/3/2013 19:51	63.1	28/2/2013 5:46	60.4
21/3/2013 19:36											

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
1/3/2013 1:11	52.6	2/3/2013 2:16	52.2	3/3/2013 3:21	60.7	4/3/2013 4:26	57.5	5/3/2013 5:31	60.0	6/3/2013 6:36	61.9
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1/3/2013 1:41	60.7	2/3/2013 2:46	50.5	3/3/2013 3:51	60.8	4/3/2013 4:56	58.1	5/3/2013 6:01	53.5	6/3/2013 23:06	61.5
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1/3/2013 2:01	59.0	2/3/2013 3:06	60.0	3/3/2013 4:11	60.6	4/3/2013 5:16	58.9	5/3/2013 6:21	57.6	6/3/2013 23:26	61.0
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1/3/2013 2:41	58.5	2/3/2013 3:46	60.2	3/3/2013 4:51	59.6	4/3/2013 5:56	60.6	5/3/2013 23:01	61.0	7/3/2013 0:06	61.3
1/3/2013 2:46	57.9	2/3/2013 3:51	60.0	3/3/2013 4:56	59.4	4/3/2013 6:01	47.4	5/3/2013 23:06	60.5	7/3/2013 0:11	61.5
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1/3/2013 2:56	58.9	2/3/2013 4:01	60.0	3/3/2013 5:06	59.3	4/3/2013 6:11	55.0	5/3/2013 23:16	61.8	7/3/2013 0:21	59.5
1/3/2013 3:01	58.4	2/3/2013 4:06	59.5	3/3/2013 5:11	59.6	4/3/2013 6:16	58.6	5/3/2013 23:21	61.1	7/3/2013 0:26	58.2
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1/3/2013 6:41	60.3	2/3/2013 23:46	62.6	4/3/2013 0:51	53.5	5/3/2013 1:56	60.1	6/3/2013 3:01	60.4	7/3/2013 4:06	57.5
1/3/2013 6:46	61.2	2/3/2013 23:51	60.9	4/3/2013 0:56	60.2	5/3/2013 2:01	59.8	6/3/2013 3:06	59.8	7/3/2013 4:11	58.4
1/3/2013 6:51	61.5	2/3/2013 23:56	61.5	4/3/2013 1:01	44.6	5/3/2013 2:06	60.3	6/3/2013 3:11	59.8	7/3/2013 4:16	59.0
1/3/2013 6:56	62.9	3/3/2013 0:01	61.2	4/3/2013 1:06	60.1	5/3/2013 2:11	58.7	6/3/2013 3:16	58.4	7/3/2013 4:21	58.5
1/3/2013 7:01	62.7	3/3/2013 0:06	61.9	4/3/2013 1:11	60.6	5/3/2013 2:16	60.3	6/3/2013 3:21	60.0	7/3/2013 4:26	58.9
1/3/2013 23:06	61.7	3/3/2013 0:11	61.2	4/3/2013 1:16	60.2	5/3/2013 2:21	55.8	6/3/2013 3:26	59.3	7/3/2013 4:31	58.8
1/3/2013 23:11	61.2	3/3/2013 0:16	63.3	4/3/2013 1:21	52.2	5/3/2013 2:26	52.4	6/3/2013 3:31	51.6	7/3/2013 4:36	59.3
1/3/2013 23:16	62.0	3/3/2013 0:21									

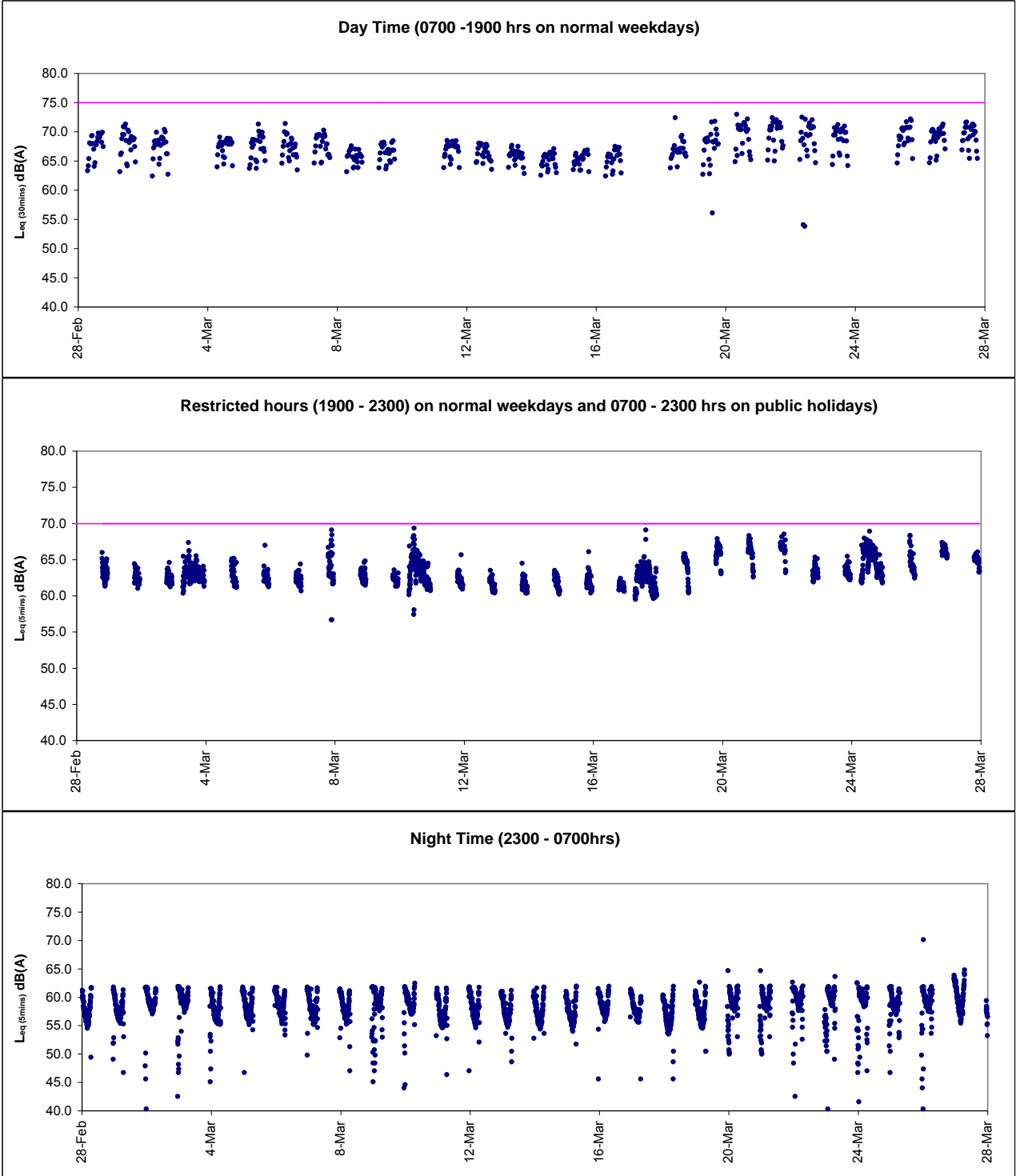
Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
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7/3/2013 23:46	60.6	9/3/2013 0:51	59.0	10/3/2013 1:56	60.7	11/3/2013 3:01	57.7	12/3/2013 4:06	58.5	13/3/2013 5:11	59.6
7/3/2013 23:51	60.3	9/3/2013 0:56	59.4	10/3/2013 2:01	57.6	11/3/2013 3:06	59.2	12/3/2013 4:11	57.4	13/3/2013 5:16	58.3
7/3/2013 23:56	59.1	9/3/2013 1:01	54.4	10/3/2013 2:06	54.1	11/3/2013 3:11	57.6	12/3/2013 4:16	56.8	13/3/2013 5:21	59.4
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8/3/2013 0:16	58.8	9/3/2013 1:21	57.4	10/3/2013 2:26	52.0	11/3/2013 3:31	57.7	12/3/2013 4:36	57.5	13/3/2013 5:41	60.7
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8/3/2013 0:26	59.6	9/3/2013 1:31	59.5	10/3/2013 2:36	49.6	11/3/2013 3:41	57.9	12/3/2013 4:46	58.4	13/3/2013 5:51	60.8
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8/3/2013 0:36	58.4	9/3/2013 1:41	55.0	10/3/2013 2:46	51.9	11/3/2013 3:51	56.1	12/3/2013 4:56	58.3	13/3/2013 6:01	55.5
8/3/2013 0:41	58.9	9/3/2013 1:46	51.9	10/3/2013 2:51	53.3	11/3/2013 3:56	57.5	12/3/2013 5:01	58.6	13/3/2013 6:06	54.2
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8/3/2013 0:51	58.3	9/3/2013 1:56	60.7	10/3/2013 3:01	60.5	11/3/2013 4:06	58.6	12/3/2013 5:11	58.6	13/3/2013 6:16	55.5
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8/3/2013 1:16	53.5	9/3/2013 2:21	45.7	10/3/2013 3:26	54.5	11/3/2013 4:31	57.0	12/3/2013 5:36	59.3	13/3/2013 6:41	62.7
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8/3/2013 1:26	45.0	9/3/2013 2:31	53.7	10/3/2013 3:36	52.6	11/3/2013 4:41	58.3	12/3/2013 5:46	34.5	13/3/2013 6:51	63.4
8/3/2013 1:31	53.2	9/3/2013 2:36	49.6	10/3/2013 3:41	60.7	11/3/2013 4:46	56.9	12/3/2013 5:51	60.2	13/3/2013 6:56	63.0
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8/3/2013 1:41	53.8	9/3/2013 2:46	51.9	10/3/2013 3:51	60.3	11/3/2013 4:56	59.8	12/3/2013 6:01	42.3	13/3/2013 23:06	60.0
8/3/2013 1:46	60.6	9/3/2013 2:51	53.3	10/3/2013 3:56	60.2	11/3/2013 5:01	58.4	12/3/2013 6:06	54.7	13/3/2013 23:11	60.8
8/3/2013 1:51	60.9	9/3/2013 2:56	42.3	10/3/2013 4:01	60.3	11/3/2013 5:06	57.9	12/3/2013 6:11	60.3	13/3/2013 23:16	60.9
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8/3/2013 2:01	60.5	9/3/2013 3:06	53.3	10/3/2013 4:11	60.2	11/3/2013 5:16	59.6	12/3/2013 6:21	59.8	13/3/2013 23:26	61.3
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8/3/2013 2:11	60.2	9/3/2013 3:16	60.7	10/3/2013 4:21	60.0	11/3/2013 5:26	59.1	12/3/2013 6:31	57.5	13/3/2013 23:36	61.7
8/3/2013 2:16	60.4	9/3/2013 3:21	60.9	10/3/2013 4:26	60.4	11/3/2013 5:31	58.7	12/3/2013 6:36	60.0	13/3/2013 23:41	60.5
8/3/2013 2:21	59.8	9/3/2013 3:26	54.5	10/3/2013 4:31	60.7	11/3/2013 5:36	60.1	12/3/2013 6:41	61.1	13/3/2013 23:46	61.0
8/3/2013 2:26	45.7	9/3/2013 3:31	51.3	10/3/2013 4:36	60.1	11/3/2013 5:41	60.5	12/3/2013 6:46	62.2	13/3/2013 23:51	61.5
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8/3/2013 3:26	44.1	9/3/2013 4:31	60.7	10/3/2013 5:36	54.9	11/3/2013 6:41	61.8	12/3/2013 23:46	59.6	14/3/2013 0:51	62.1
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8/3/2013 5:36	60.5	9/3/2013 6:41	59.3	10/3/2013 23:46	60.3						

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
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14/3/2013 6:16	57.2	15/3/2013 23:21	62.8	17/3/2013 0:26	61.8	18/3/2013 1:31	57.8	19/3/2013 2:36	59.4	20/3/2013 3:41	59.1
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14/3/2013 23:41	60.8	16/3/2013 0:46	59.4	17/3/2013 1:51	45.0	18/3/2013 2:56	57.0	19/3/2013 4:01	56.6	20/3/2013 5:06	59.6
14/3/2013 23:46	60.5	16/3/2013 0:51	58.4	17/3/2013 1:56	50.3	18/3/2013 3:01	57.4	19/3/2013 4:06	57.3	20/3/2013 5:11	59.1
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15/3/2013 3:16	58.3	16/3/2013 4:21	60.2	17/3/2013 5:26	59.7	18/3/2013 6:31	59.2	19/3/2013 23:36	62.5	21/3/2013 0:41	57.0
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15/3/2013 3:46	57.4	16/3/2013 4:51	59.7	17/3/2013 5:56	59.7	18/3/2013 7:01	60.9	20/3/2013 0:06	59.1	21/3/2013 1:11	54.2
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15/3/2013 3:56	59.0	16/3/2013 5:01	58.2	17/3/2013 6:06	60.7	18/3/2013 7:11	60.2	20/3/2013 0:16	60.0	21/3/2013 1:21	50.5
15/3/2013 4:01	57.7	16/3/2013 5:06	60.5	17/3/2013 6:11	60.1	18/3/2013 7:16	64.7	20/3/201			

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)										
21/3/2013 4:41	57.7	22/3/2013 5:46	56.1	23/3/2013 6:51	63.6	24/3/2013 23:56	59.6	26/3/2013 1:01	53.9	27/3/2013 2:06	50.4
21/3/2013 4:46	58.2	22/3/2013 5:51	54.8	23/3/2013 6:56	61.3	25/3/2013 0:01	58.2	26/3/2013 1:06	49.0	27/3/2013 2:11	60.9
21/3/2013 4:51	58.4	22/3/2013 5:56	51.8	23/3/2013 23:01	61.3	25/3/2013 0:06	59.0	26/3/2013 1:11	59.9	27/3/2013 2:16	48.4
21/3/2013 4:56	58.6	22/3/2013 6:01	56.4	23/3/2013 23:06	61.7	25/3/2013 0:11	58.8	26/3/2013 1:16	59.7	27/3/2013 2:21	59.9
21/3/2013 5:01	59.5	22/3/2013 6:06	51.5	23/3/2013 23:11	61.6	25/3/2013 0:16	59.8	26/3/2013 1:21	60.8	27/3/2013 2:26	60.2
21/3/2013 5:06	59.0	22/3/2013 6:11	58.2	23/3/2013 23:16	62.6	25/3/2013 0:21	58.8	26/3/2013 1:26	59.8	27/3/2013 2:31	60.6
21/3/2013 5:11	60.2	22/3/2013 6:16	56.7	23/3/2013 23:21	63.1	25/3/2013 0:26	59.1	26/3/2013 1:31	40.6	27/3/2013 2:36	60.6
21/3/2013 5:16	59.9	22/3/2013 6:21	58.9	23/3/2013 23:26	61.6	25/3/2013 0:31	59.6	26/3/2013 1:36	60.8	27/3/2013 2:41	60.8
21/3/2013 5:21	59.4	22/3/2013 6:26	60.5	23/3/2013 23:31	61.7	25/3/2013 0:36	53.7	26/3/2013 1:41	60.4	27/3/2013 2:46	60.1
21/3/2013 5:26	60.4	22/3/2013 6:31	61.5	23/3/2013 23:36	62.6	25/3/2013 0:41	47.6	26/3/2013 1:46	60.2	27/3/2013 2:51	60.4
21/3/2013 5:31	60.5	22/3/2013 6:36	61.1	23/3/2013 23:41	61.2	25/3/2013 0:46	58.7	26/3/2013 1:51	59.7	27/3/2013 2:56	59.5
21/3/2013 5:36	60.4	22/3/2013 6:41	62.5	23/3/2013 23:46	61.3	25/3/2013 0:51	54.4	26/3/2013 1:56	60.4	27/3/2013 3:01	60.0
21/3/2013 5:41	49.3	22/3/2013 6:46	62.4	23/3/2013 23:51	61.7	25/3/2013 0:56	60.5	26/3/2013 2:01	60.4	27/3/2013 3:06	59.6
21/3/2013 5:46	60.6	22/3/2013 6:51	63.3	23/3/2013 23:56	60.8	25/3/2013 1:01	60.8	26/3/2013 2:06	60.3	27/3/2013 3:11	60.3
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21/3/2013 6:31	59.3	22/3/2013 23:36	61.6	24/3/2013 0:41	59.3	25/3/2013 1:46	60.1	26/3/2013 2:51	59.6	27/3/2013 3:56	59.5
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21/3/2013 6:51	63.7	22/3/2013 23:56	61.0	24/3/2013 1:01	56.2	25/3/2013 2:06	58.6	26/3/2013 3:11	58.1	27/3/2013 4:16	59.0
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22/3/2013 0:46	57.5	23/3/2013 1:51	58.7	24/3/2013 2:56	60.7	25/3/2013 4:01	56.3	26/3/2013 5:06	59.8	27/3/2013 6:11	59.7
22/3/2013 0:51	55.7	23/3/2013 1:56	54.5	24/3/2013 3:01	59.8	25/3/2013 4:06	56.0	26/3/2013 5:11	59.0	27/3/2013 6:16	61.2
22/3/2013 0:56	57.8	23/3/2013 2:01	56.2	24/3/2013 3:06	48.6	25/3/2013 4:11	56.7	26/3/2013 5:16	59.2	27/3/2013 6:21	60.8
22/3/2013 1:01	55.4	23/3/2013 2:06	55.9	24/3/2013 3:11	60.7	25/3/2013 4:16	56.9	26/3/2013 5:21	59.4	27/3/2013 6:26	62.0
22/3/2013 1:06	58.7	23/3/2013 2:11	60.9	24/3/2013 3:16	60.7	25/3/2013 4:21	58.6	26/3/2013 5:26	58.7	27/3/2013 6:31	62.3
22/3/2013 1:11	52.2	23/3/2013 2:16	40.6	24/3/2013 3:21	50.4	25/3/2013 4:26	57.1	26/3/2013 5:31	58.8	27/3/2013 6:36	62.4
22/3/2013 1:16	50.0	23/3/2013 2:21	57.9	24/3/2013 3:26	60.3	25/3/2013 4:31	57.6	26/3/2013 5:36	59.9	27/3/2013 6:41	64.8
22/3/2013 1:21	57.5	23/3/2013 2:26	60.8	24/3/2013 3:31	60.0	25/3/2013 4:36	57.5	26/3/2013 5:41	53.0	27/3/2013 6:46	64.5
22/3/2013 1:26	51.5	23/3/2013 2:31	54.5	24/3/2013 3:36	60.3	25/3/2013 4:41	58.0	26/3/2013 5:46	60.7	27/3/2013 6:51	64.7
22/3/2013 1:31	57.2	23/3/2013 2:36	50.6	24/3/2013 3:41	59.6	25/3/2013 4:46	57.6	26/3/2013 5:51	60.8	27/3/2013 6:56	65.0
22/3/2013 1:36	49.1	23/3/2013 2:41	54.2	24/3/2013 3:46	60.8	25/3/2013 4:51	58.8	26/3/2013 5:56	60.7	27/3/2013 23:01	63.1
22/3/2013 1:41	52.7	23/3/2013 2:46	50.5	24/3/2013 3:51	60.6	25/3/2013 4:56	57.5	26/3/2013 6:01	60.8	27/3/2013 23:06	63.0
22/3/2013 1:46	51.2	23/3/2013 2:51	34.5	24/3/2013 3:56	59.9	25/3/2013 5:01	58.2	26/3/2013 6:06	56.7	27/3/2013 23:11	63.2
22/3/2013 1:51	60.9	23/3/2013 2:56	48.8	24/3/2013 4:01	59.8	25/3/2013 5:06	58.7	26/3/2013 6:11	52.8	27/3/2013 23:16	62.0
22/3/2013 1:56	60.6	23/3/2013 3:01	60.5	24/3/2013 4:06	59.6	25/3/2013 5:11	58.8	26/3/2013 6:16	59.9	27/3/2013 23:21	62.0
22/3/2013 2:01	60.9	23/3/2013 3:06	53.3	24/3/2013 4:11	60.1	25/3/2013 5:16	58.0	26/3/2013 6:21	56.9	27/3/2013 23:26	62.6
22/3/2013 2:06	60.7	23/3/2013 3:11	60.8	24/3/2013 4:16	59.2	25/3/2013 5:21	58.4	26/3/2013 6:26	60.6	27/3/2013 23:31	62.1
22/3/2013 2:11	60.2	23/3/2013 3:16	47.6	24/3/2013 4:21	44.6	25/3/2013 5:26	60.0	26/3/2013 6:31	60.3	27/3/2013 23:36	61.2
22/3/2013 2:16	60.4	23/3/2013 3:21	59.7	24/3/2013 4:26	45.4	25/3/2013 5:31	60.6	26/3/2013 6:36	60.7	27/3/2013 23:41	62.1
22/3/2013 2:21	60.3	23/3/2013 3:26	43.0	24/3/2013 4:31	60.5	25/3/2013 5:36	60.3	26/3/2013 6:41	61.9	27/3/2013 23:46	60.7
22/3/2013 2:26	59.4	23/3/2013 3:31	60.4	24/3/2013 4:36	60.5	25/3/2013 5:41	60.6	26/3/2013 6:46	62.3	27/3/2013 23:51	61.5
22/3/2013 2:31	60.3	23/3/2013 3:36	59.6	24/3/2013 4:41	60.0	25/3/2013 5:46	40.6	26/3/2013 6:51	63.5	27	

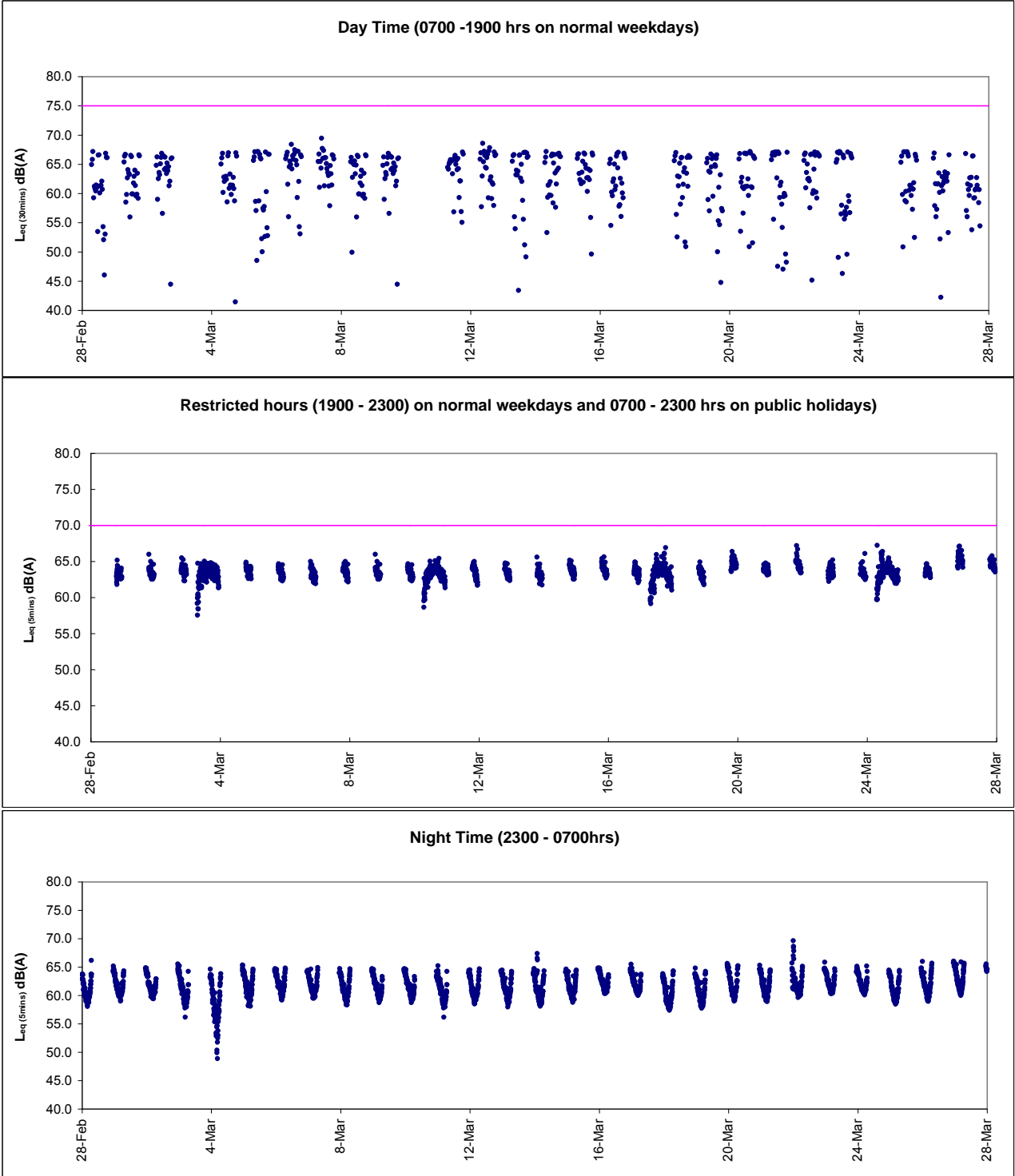


Graphic Presentation of Real Time Noise Monitoring Result (RTN1-Food and Environmental Hygiene Department Depot)





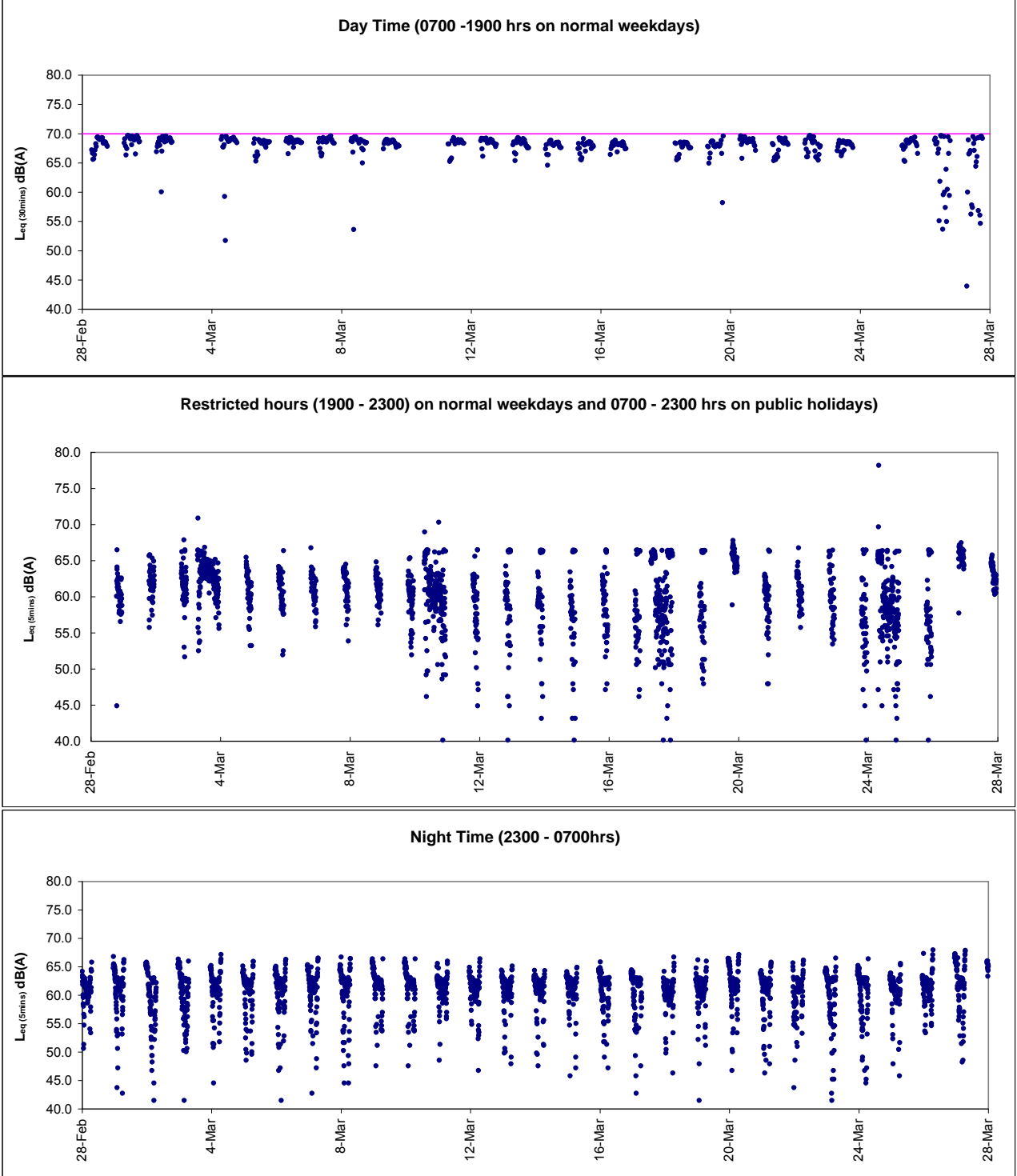
Graphic Presentation of Real Time Noise Monitoring Result (RTN2a- Hong Kong Electric Centre)





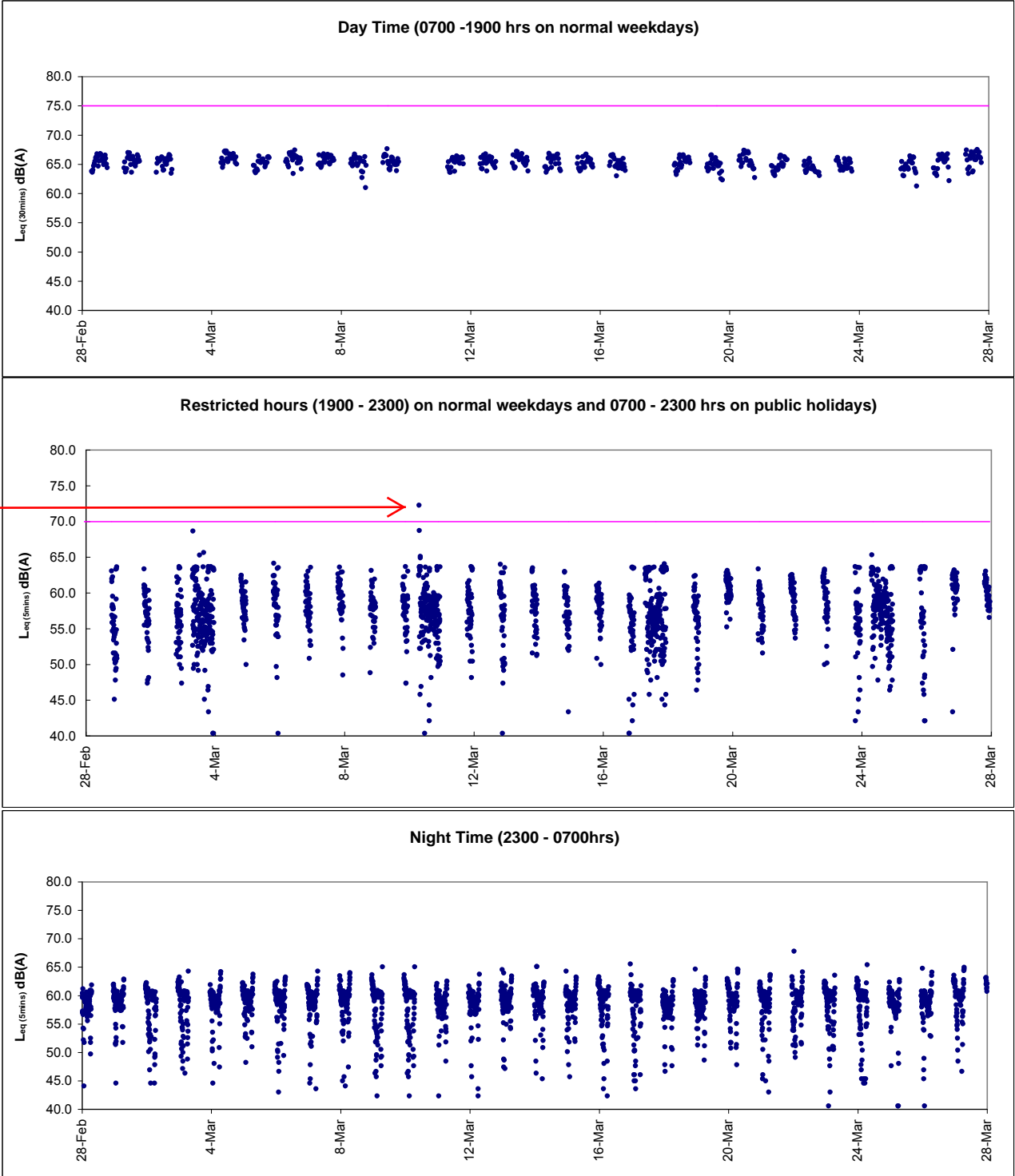


Graphic Presentation of Real Time Noise Monitoring Result (RTN3-Yu Lee Mo Fan Memorial School)





Graphic Presentation of Real Time Noise Monitoring Result (RTN4-Causeway Bay Community Centre)



After checking with HY/2009/19, realignment of road marking was conducted during the recorded period. However, no PMEs were used for performing such works and the exceedance recorded was non-continuous. As such, exceedance was considered not contributed by the contractor's work but to nearby IEC traffic.



***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;</li> <li>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;</li> <li>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>



***Appendix 6.2***

*Summary for Notification of Exceedance*



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_10N120	7-Mar-13	15:10	M6 - HK baptist Church henrietta Secondary School	71	Leq(30-min)	when one documented complaint was received.	70	<p><b>Possible reason:</b> Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p><b>Action taken / to be taken:</b> Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p><b>Remarks / Other Obs:</b> No work for Contract HY/2009/19 was conducted during the measurement, it was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance is not due to project but to traffic noise nearby.</p>
X_10N121	12-Mar-13	14:25	M6 - HK baptist Church henrietta Secondary School	72	Leq(30-min)	when one documented complaint was received.	70	<p><b>Possible reason:</b> Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p><b>Action taken / to be taken:</b> Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p><b>Remarks / Other Obs:</b> No work for Contract HY/2009/19 was conducted during the measurement, it was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance is not due to project but to traffic noise nearby.</p>
X_10N122	19-Mar-13	15:20	M6 - HK baptist Church henrietta Secondary School	73	Leq(30-min)	when one documented complaint was received.	70	<p><b>Possible reason:</b> Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p><b>Action taken / to be taken:</b> Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p><b>Remarks / Other Obs:</b> No work for Contract HY/2009/19 was conducted during the measurement, it was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance is not due to project but to traffic noise nearby.</p>
X_10N123	26-Mar-13	15:15	M6 - HK baptist Church henrietta Secondary School	76	Leq(30-min)	when one documented complaint was received.	70	<p><b>Possible reason:</b> <u>Several breakers were found to be in operation at marine platform during measurement. No noise screen was provided to the breaker in-use.</u></p> <p><b>Action taken / to be taken:</b> Immediate repeat measurement was conducted to confirm result at the same location . The construction noise level of repeat measurement at the same location on the same date was: <u>26 March 2013 at 16:00 71 dB(A)</u> During the repeat measurement, the breaker was not operating and nearby IEC traffic was observed and considered as the major noise contribution.</p> <p>Additional monitoring was conducted on 27 March 2013. The breaker was operating during measurement and nearby IEC traffic was observed, the construction noise level measured was: <u>27 March 2013 at 16:34 74 dB(A). (Measured Noise level : 75.8 dB(A))</u> Further exceedances was still recorded.The temporary noise blanket at marine work platform was confirmed in place and addition noise screen was provided to the breakers. In addition, the number of breakers operating in parallel was reduced. Further repeat measurement was then conducted and the construction noise level measured was as: <u>27 March 2013 at 17:05 73 dB(A). (Measured Noise level: 75.3dB(A))</u></p> <p>No breaking operation was observed during the repeat measurement and the measured noise level was remained at the similar level (within 1 dB(A)).For investigation purpose, the measured noise level of 75.3 dB(A) (without breaker operation) was taken as the background noise level on that day and by calculation, the construction noise level was found to be 66.1 dB(A) which is below the stipulated limit level. As such, the background IEC traffic was considered as the major noise contribution after rectification measures implemented by the contractor and the rectified measures provided by the contractor was considered to be effective. It is considered that the major noise contribution was found to be the IEC traffic after rectification measures have been implemented by the contractor.</p> <p><b>Remarks / Other Obs:</b> Breaking works for Contract HY/2009/19 was conducted during the measurement on 26 March 2013, it was observed that breaking operation was the major noise contribution during measurement. It is concluded that the exceedance is project related and the contractor was requested to submit a proposal for remediation measures following Event and Action Plan.</p>





***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
110723a	23/07/2011	Ms. Law at Victoria Centre by ICC no. 1-303887687	North Point	She concerned that Highways Department published a notice in their Management Office about construction works will be conducted from 0700 hours to 2300 hours during July to December 2011 including Saturday, Sunday and public holiday.	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed that the notice was prepared by Victoria Centre 'a Management office to their resident and the advice was only given on the extension construction works (for Contract HY/2009/15) to 7am-9pm Monday to Saturday except Public Holidays and Sundays. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am and is expected to be completed by mid-August 2011. 4) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 19 and 25 July 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110723b	23/07/2011	Ms. Yau at Block 2, Victoria Centre by ICC no. 1-304013959	North Point	Reclamation work was conducted at Causeway Bay Typhoon Shelter at 7am on 23 July 2011. She complained that the works shall be started later to minimize the noise nuisance to the vicinity of the residents in early morning	1) It was referred by AECOM to ET on 8 August 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) With reference to the construction noise monitoring at Victoria Centre, no exceedance was recorded on 19 and 25 July 2011 during daytime while breaking and excavation works were undertaken during monitoring 4) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	Closed
110727a	27/07/2011	Mr. Law from Victoria Centre Management Office by ICC no. 1-304616162	North Point	It was complained by Mr. Law from Victoria Centre Management Office on 27 July 2011 regarding construction noise generated by the construction operations of	1) It was referred by AECOM to ET on 28 July 2011 2) RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. 3) No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 25 July and	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				Central-Wanchai Bypass at noon rather than in morning at 7am.	4 August 2011 during daytime and evening time period while breaking and excavation works were observed during monitoring. 5) In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. No further complaint from complainant was received after proposed the mitigation measure.	
110727b	27/07/2011	Ms. Chiu by ICC no.1-304615409	North Point	Noise nuisance from the excavation works for the Highways Department adjacent to the Victoria Centre was conducted from 7am	1) It was referred by AECOM to ET on 28 July 2011 2) With reference to the construction noise monitoring at Vitoria Centre, no exceedance was recorded on 25 July and 4 and 10 August 2011 during daytime while breaking and excavation works were undertaken during monitoring. 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am.	Closed
	07/08/2011				4) However, complainant did not satisfy with the response on the noise nuisance from the rock-breaking during morning in front of Victoria Centre and then further complaint via 1823 on 7 August 2011. 5) Highways contacted the complainant on 15 August 2011 that the noisy rock breaking operation had been completed.  <i>Remarks: There will be counted as two complaints in this complaint log.</i>	
110730	30/07/2011	Mr. Tsui by ICC no. 1-305074350	Central	Construction noise generated by operations of Central-Interchange which is near the spa room at Four-Season Hotel. Also, the complaint enquired the commencement time of the construction on Saturday.	1) It was referred by AECOM to ET on 1 August 2011. 2) RSS confirmed that noisy plants from 2 vibratory hammers have been conducted in alternating manner for piling and drilling works for diaphragm wall construction. 3) With reference to the construction noise monitoring at IFC Western End of Podium, no exceedance was recorded on 4 August 2011 during monitoring while sheet piling works were undertaken during monitoring. 4) In order to reduce the noise impact to nearby noise sensitive receivers, Contractor has been implemented the following noise mitigation measures: - Erection of acoustic lining at the hoarding next to Four Seasons Hotel; - Temporary noise barrier with extended acoustic lining; - Reduced in plant such that only have one vibration hammer operating at the west side near Four	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Seasons Hotel instead of 2 5) In conclusion, it was related to the construction works under Contract HY/2009/18 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	
110810	10/08/2011	Mr. Yip by ICC no. 1 – 306740207	North Point	Muddy water was discharged from work site to the seafront near Oil Street during heavy rain. The environmental protection measures were not good enough and are needed to rectify.	1) It was referred by AECOM to ET on 17 August 2011. 2) Confirmed with RE, Muddy water was caused by a heap of earth being washed to the sea by heavy rain. The heap of earth was referred as a small stockpile placed close to the seafront in front of Oil Street within the site area under handover transition period from contract HY/2009/11 to contract HY/2009/19. The necessary mitigation measures to protect the small stockpile against rainfall were missing at the time of complaint. 3) Due to the missing of mitigation measures to protect the small stockpile during handover transition period, loose material was washed into the harbour when heavy rain came. Muddy water was formed and dispersed in the sea that caused the water quality and visual concern to the public. The complaint was considered as valid. 4) Contractors were advised to relocate the loose materials away from the coastline as far as practicable. Any loose material placed which needed to be placed near the coastline shall be properly compacted or covered as appropriate. To avoid any further environmental deficiency, Contractors shall ensure all necessary environmental mitigation measures will not be missing during site area handover.	Closed
110817	17/08/2011	ICC no. 1-307657681	North Point	Visual impact generated by light from a large amount of spot-lights on the barge during mid-night nearby City Garden.	1) It was referred by AECOM to ET on 23 August 2011 2) RSS confirmed that some non-essential lights were turned on during night-time period which caused the nuisance to the nearby residents. In addition, absence of lighting shields at flood lights results in visual glare to the complainant at night-time. 3) Follow-up action had been taken by contractor that switches off all non-essential lights to minimized nuisance to the nearby residents. The complainant satisfied to the practice and no further complaint was received after that.	Closed
110826	26/08/2011	Grand Hyatt and a complainant by ICC	Wan Chai	Construction noise and vibration nuisance generated from the works at Convention Avenue and inside the HKCEC1	1) Confirmed with the Resident Site Staff that the construction works were referred to the Contractor HK/2009/01. 2) The Excavator mounted breaker at Convention Avenue	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				reclamation area.	and Drilling rig at HKCEC1 reclamation area were the dominant construction noise source during this period. 3) The drilling rig at HKCEC1 reclamation area and excavator mounted breaker at Convention Avenue were then temporary suspended after received the complaint. 4) Investigation revealed that the erected noise barrier (4m cantilevered movable noise barrier for the drilling rig and 1m movable noise barrier for the excavator mounted breaker) were not located close to the plants to provide adequate noise screening. 5) Contractor was advised to avoid concurrent operation of construction plants at site. Further enhancement of movable noise barriers at HKCEC1 and providing noise enclosure for the excavator mounted breaker at Convention Avenue are needed. 6) Further site investigation and checking on 31 August and 7 September 2011 revealed that the implemented noise mitigation measures were in proper and minimize the noise impact.	
110826A	26/08/2011	A complaint letter from Mr. Au of Cayley Property of City Garden	North Point	Harbor front adjacent to their water intake suction which caused 3 times of system breakdown of the sea water pump on 9, 22 and 25 August 2011.	1) It was referred by AECOM to ET on 29 August 2011 2) Confirmed with the Resident Site Staff that the construction works were referred to the Contractors HY/2009/11 and HY/2009/19. 3) The pump is located on the site area of HY/2009/19 4) A temporary garbage defender was installed on 23 July 2011 by HY/2009/11 and the shape of the defender was adjusted on 8 August 2011 in order to exclude the outfall. 5) An ad hoc inspection of the effectiveness of garbage defender was conducted with RSS (CWB project team), contractor of HY/200911 and HY/2009/19 and IEC on 29 August 2011. Inspection report of it was submitted to RSS on 19 September 2011. 5) Daily cleaning near the water intake was conducted twice a day by contractor HY/2009/19. 6) In response to City Garden request, the contractors have set up the temporary garbage defender in function and collect the floating refuses, but cannot eliminate all refuses, in particular the refuse come from sea bed from entering the intake. 6) According to the complaint letter from Cayley Property, the outcomes of the preventive measures were not complying with their expectation. 7) During on-site inspection, floating refuses observed	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					occasionally outside the garbage defender. No conclusion could be made for the source of these floating refuses. On the other hand, some of the floating refuses were observed immigrating in the protective zone during investigation 8) All daily cleaning actions had been taken by contractor to minimize floating refuse inside the construction site. It was noted that the intake (land side) is open access to public, so that many activities such as fishing, feeding fish were conducted there even though a notice has already hoisted. Also, tripping of rubbish by the passers-by could result in a lot of rubbish accumulated around the intake point. 9) Referring to the record provided by CPML, there were a lot of nylon/ plastic bags and nylon wire mesh that matched those rubbishes generated from the public activities. 10) Contractors have fulfilled the requirement of site cleanness and no exceedance was recorded during Water Quality Monitoring. It is consider the cause of this complaint is not related to project and environmental issue in this project as well. No more complaint received after ad-hoc inspection	
111014	14/10/2011	The complainant, Ms. Tam complained via hotline 1823	Wan Chai	The polluted fumes and exhaust from the excavation by sub-contractor of CEDD on pedestrian way outside no.25 Harbour Road (in front of the Harbour Centre)	1) RSS notified ET to carry out investigation on 17 October 2011. 2) ET confirmed with the Resident Site Staff that the location of the excavator was within site area of Contract no. HK/2009/02 undertaking the water cooling main reprovision works along the Harbour Road. The plants including the excavator have been checked before using at the site. However, the polluted fumes and exhausted from the excavator was caused due to insufficient maintenance of the plant after using at site. 3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011. 4) Contractor was reminded to enhance regular checking and maintenance to all plants at site. 5) RSS has replied to the complainant on the arrangement of the measures taken on 17 October 2011. Complainant was satisfied with the response and follow-up action taken by the Contractor.	Closed
111104	04/11/2011	Mr. Liu from	Wan Chai	Complain about a tree near the	1) ET confirmed with the Resident Site Staff that	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		LCSD complained via Contractor Complaint Hotline		site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road, the status is not healthy and roof ball of two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue were half cut.	<ul style="list-style-type: none"><li>• A tree near the site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road is the Tree no. TA1122 under Contract no. HK/2009/02. Leaves of a branch of this tree were shrivelled.</li><li>• Two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue are the tree nos. A160 and A161 under Contract no. HK/2009/01. Part of roof ball of these two trees was covered by the metal plate.</li></ul> 2) Independent Tree Specialists for these two inspected the trees. Contractor HK/2009/01 has taken the measure as recommend downgrading the soil level around the trunk base. Reinstating of the ground works will be conducted in mid-December 2011. For the tree no. TA1122 under Contract no. HK/2009/02, the brown leaves were removed and fenced the tree with orange net is provided to prevent damage of tree trunk by construction works. The distance between the tree and the edge of the trench is kept approximate 2m. Two Contractors were reminded to carry out regular watering to the trees within their site area.	
111106	06/11/2011	Police officer	Wan Chai	Construction noise generated from the site at about 6:30 a.m on 6 November 2011 and require to stop the machine operation	<ol style="list-style-type: none"><li>1) According to the information reported by Contractor, one BC cutter and hoist were operated for Diaphragm Wall construction of Shatin-Central Link to inspect bentonite pipes and ensure no damages and all the joints are tightened in good position. Then, the subcontractor for Diaphragm wall, SAMBO Korean foreman stopped the engine of the BC cutter immediately. The police officer recorded the details and HKID number of the foreman and then left. Due to the different language communication between the police officer and the Korean foreman, no CNP was checked by the police officer.</li><li>2) ET confirmed with the Resident Site Staff that same issue was also raised out by RSS at about 7:00a.m on the same day. Besides, it was confirmed that there is no valid Construction Noise Permit for the conducted construction works in the period between 2300 and 0700.</li><li>3) Due to insufficient communication between Contractor HK/2009/01 and their Korean Sub-contractor, Korean Sub-contractor had not notified to Contractor before carrying out the inspection of the BC cutter, hoists and</li></ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					bentonite pipes at about 6:00a.m to ensure no damages and all the pipe joints should be tightened and in good position. 4) Contractor was advised to enhance the communication between Contractor and sub-contractor and provide sufficient environmental training to all foreman and operators on restricted hour operation. Furthermore, Construction Noise Permit should be checked and in place for the construction works during restricted hour 5) This complaint was considered in relation to the conducted construction works during restricted hours without valid Construction Noise Permit. No more construction works were conducted during night time period. The construction works will be conducted in accordance with the time period stated in valid CNP. This complaint will be kept in view of any follow-up action from the relevant government activities.	
111212	12/12/2011	The complainant, Mr Tsui from IFCII's management office complained via hotline 1823	Central	A visual impact complaint from hotline 1823 was received by ET on 9 January 2011 (ICC Ref. No.: ICC#1-333037096 dated on 12 December 2011). The complaint, Mr Tsui was reported that visual nuisance caused by lighting in the construction site during night time.	1) RSS notified ET on 9 Jan 2012. 2) ET confirmed with the Resident Site Staff that A joint inspection was conducted by Mr Tsui and contractor on that night to see whether there is any improvement. 3) Due to safety reason, igniting enough lights should not be avoided in construction site. However, the light sources were not directed away from pointing to the sensitive receiver and results in visual glare to the complainant. 4) Confirmed with the Resident Site Staff the complainant was satisfied the new arrangement of the lights with contractor after the joint inspection. No further complaint received after that.	Closed
111220	20/12/2011	The complainant, Ms. Poon complained via hotline 1823 (ICC Ref. No.: ICC#1-334683841)	North Point	Construction air and noise nuisance generated that many trucks carrying construction materials driving along Watson Road and Oil Street and possibly entering/leaving the construction site near the IEC during 0800 to 1900 hours.	1) RSS notified ET on 22 Dec 2011. 2) ET confirmed with the Resident Site Staff that the complainant cannot identify whether the trucks were working under the CWB project or not. 3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and Waston Road, however, this is the public road for all vehicles. Reviewing the air quality monitoring and noise monitoring results. No exceedance was recorded during this period. 4) Confirmed with the Resident Site Staff that they provided a contact no. for any future enquiries regarding	Closed





Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					CWB project to the complainant and she was satisfied on the arrangement and no further complaint was received after that.	
111230	30/12/2011	Residents of Harbour Heights	North Point	Construction air and noise nuisance generated by construction vehicles were found parked illegally at King Wah Road and lining up at Oil Street without the engine turning off.	1) RSS notified ET on 6 January 2011. 2) ET confirmed with the Resident Site Staff that a number of construction activities are concurrently proceeding in the vicinity of Oil Street, King Wah Street and a private development project in King Wah Street 3) The dominant construction air and noise nuisances were emitted by the trucks along Oil Street and King Wah Road, however, this is the public road for all vehicles. Reviewing the results of air quality monitoring station (CMA1b) and noise monitoring (M4b). No exceedance was recorded during this period. Site inspections for HY/2009/19 were conducted on 4 January 2012. The condition of the site access at Oil Street and the public road nearby were found satisfactory. It is noted that HyD also allow and encourage their contractors to maximize the use of marine access, where available, to work sites, so as to minimize burdening nearby public roads. When land trips are unavoidable, they require contractors to tidy up their construction vehicles before leaving works sites. No contractor under CWB project parked their vehicles illegally at King Wah Street, and HyD still reminded them not to commit such offence. 4) According to HyD's staff replied the complaint letter on 10 January 2012, there is a private development project under construction at King Wah Road. To access these works sites, construction vehicles have to use public roads nearby. No further complaint received after HyD's reply.	Closed
120118	18/01/2012	N/A	North Point	A complaint regarding a tree located in front of Victoria Centre under IECL was covered by one meter mud without any protection. The complainant concerns the health of the tree in such condition.	1) RSS notified ET on 20 January 2012. 2) ET confirmed with the Resident Site Staff that The tree is inside the site area of HY/2009/19 and The Botanical name of the tree is Ficus superba var. japonica and the I.D. of the tree is UT48 3) According to the information provided by RSS on 20 Jan 2012, the tree shall be felled that has been approved by DLO on 29 August 2011. Moreover, the tree was felled	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					by contractor on 19 January 2012. 4) No further complaint received after HyD's reply.	
120305	03/03/2012	Resident of Harbour Heights complained via hotline 1823 (ICC Ref. No.: ICC#1-344632511)	North Point	A complaint regarding excessive noise from construction sites of CWB was observed outside Harbour Heights from Monday to Saturday before 8am. The plants were frequently turned on before 7:30am creating nuisance. The complainant requested a speedy follow-up and reply from relevant department.	1) RSS notified ET on 5 March 2012. 2) ET confirmed with the Resident Site Staff that PME for diaphragm wall construction started to operate at about 7:30am whilst the other PME, including those for land bored piling work, started to operate after 8am. 3) After reviewing the results of noise monitoring (M4b), no exceedance was recorded during daytime period and the noise level were below 75dB(A). Site inspection for HY/2009/19 was conducted on 7 March 2012. The condition of noise mitigation measures near Harbour Heights was found satisfactory. RSS confirmed that no operation was active before 7:00am everyday. The suspected nuisance was to be considered caused by the PME for diaphragm wall construction. A surprise check was performed on 13 March 2012 by RSS. It was found that no noisy PME was in operation by Contractor of HY/2009/19 before 8am, and the construction noise level was minimal and not disturbing. The noise level and operation time both complied with statutory requirements set up in NCO. 4) Complainant called ICC on 8 March 2012 to confirm HyD has provided a response. No further complaint was received after the response.	Closed
120405	05/04/2012	N/A	North Point	A complaint regarding excessive noise from construction sites of CBTS was observed daily before 7:30am except on public holidays, and the noise source was mainly from piling works. The complainant requested that construction works should start after 8:30am to avoid nuisance to nearby residents and a speedy follow-up and reply.	1) RSS notified ET on 5 April 2012. 2) ET confirmed with the Resident Site Staff that no piling works were performed during the concerned period. 3) After reviewing the results of noise monitoring (M2b and M3a), no exceedance was recorded during daytime period and the noise level was below 75dB(A). Site inspection for HY/2009/15 was conducted on 10 April 2012. The condition of noise mitigation measures around CBTS was found satisfactory. RSS confirmed that no pilings were performed during the concerned period. The major works included drilling, diaphragm wall construction and excavations. 4) HyD made a reply to the complainant on 16 April	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					2012 via 1823. HyD replied that the current works at CBTS were drilling, diaphragm wall construction and deep excavations. In order to minimize the noise generated from the above works, the Contractor had erected temporary noise barriers and provided noise blankets on plants. RSS would continue to work with the Contractor on the effectiveness of the environmental mitigation measures implemented on site. No further complaint was received after the response.	
120415	15/04/2012	The complainant Ms. Law, resident of Fu Lee Loy Mansion, complained via hotline 1823 (ICC Ref. No.: 1-351021108)	North Point	A complaint regarding excessive noise generated from a HyD project that is located at the connection point of CWB and IEC affecting nearby residents. Lately during the middle of the night (around 00:00 to 05:00), low frequency noise, which possibly came from the operating power generator and the barges which were parked along the Oil Street work site, were making a nuisance to the complainant and residents nearby. The complainant requested that relevant department should follow-up.	<ol style="list-style-type: none"><li>1) RSS notified ET on 17 April 2012.</li><li>2) ET confirmed with the Resident Site Staff that there was no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted.</li><li>3) After reviewing the results of noise monitoring (M4b and M5b), no exceedance was recorded during day time period and the noise level was below 75dB(A). Site inspection for HY/2009/19 was conducted on 18 April 2012. The condition of noise mitigation measures near Harbour Heights were found satisfactory. RSS confirmed that no operation of power generators for HY/2009/19 and HY/2009/17 (HY/2009/11 had no physical work on site) during the concerned period. Although there were a few barges mooring at the seafront of HY/2009/19, they were not in operation and hence no operational noise would be emitted.</li><li>4) HyD made a reply to the complainant on 30 April 2012 via email. HyD replied that the current works near Oil Street, North Point, included CWB tunnel works, IEC connections and associated foundation works. According to RSS records, no operations were performed during the early hours of March and April at Oil Street and the waterbody nearby, and so it was believed that the noise nuisance was not generated from the CWB project. Despite that, RSS would continue to monitor the Contractor on the operations and effectiveness of the environmental mitigation measures implemented on site, as not to affect daily life of local residents nearby. No further complaint was received after the response.</li></ol>	Closed



***Appendix 10.1***

*Construction Programme of Individual Contracts*

Activity Name	Original Duration	Planned Start	Planned Finish	2011				2012				2013				2014				2015				2016	
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
<b>HY/2009/15 - CWB TUNNEL (CBTS SECTION)</b>																									
<b>SUBMISSIONS COMPLYING WITH EPs</b>																									
EM&A Manual ( rely on the Master EP's submission EP-364/2009/A Condition 2.9)																									
Baseline Monitoring Report (rely on the Master EP's submission EP-364/2009 Condition 3.3)																									
Monthly EM&A (rely on the masters EP's Submission, EP-364/2009/A Condition 3.4)																									
A dedicated website (rely on the master EP's submission, EP-364/2009/A Condition 4.2)																									
Management organization of main construction companies (FEP Condition 2.6)	1d	02-Oct-10	02-Oct-10																						
Work Schedule (FEP Condition 2.7)	1d	27-Oct-10	27-Oct-10																						
Location Plan (FEP Condition 2.8)	1d	27-Oct-10	27-Oct-10																						
Noise Management plan (FEP Condition 2.9)	1d	27-Oct-10	27-Oct-10																						
Landscape plan (FEP condition 2.10)	1d	31-Jan-11	31-Jan-11																						
<b>EAST VENTILATION ADIT</b>																									
CCT @ Portion 1, 2, 4, 6, 22	1315d	27-Sep-10	03-May-14																						
EV Adit @ Portion 4-Advance Works	526d	27-Sep-10	05-Mar-12																						
EV Adit Portion 1, 2, 6, 22	26d	22-Dec-11	16-Jan-12																						
EV Adit-based on Conforming Design	323d	15-Feb-12	02-Jan-13																						
<b>TCBR1E (TS1 Area)</b>																									
Diaphragm Wall Construction (incl. SI, & tests after completion)	107d	26-Apr-11	10-Aug-11																						
Excavation & Lateral Support, ELS	99d	16-Jul-11	22-Oct-11																						
Cut & Cover Tunnel Construction (incl. backfill)	78d	22-Oct-11	07-Jan-12																						
OHVD and Cable Trough (access from Portion 22)	76d	18-Dec-13	03-Mar-14																						
<b>TCBR2 + TCBR3 (TS2 Area)</b>																									
Diaphragm Wall Construction	118d	06-Jul-12	31-Oct-12																						
Excavation & Lateral Support, ELS	248d	06-Jul-12	10-Mar-13																						
Cut & Cover Tunnel Construction	164d	11-Mar-13	21-Aug-13																						
OHVD Cable Trough (Access from Portion 22)	150d	05-Aug-13	01-Jan-14																						
<b>TCBR1W (TS4 Area)</b>																									
Diaphragm Wall Construction	148d	28-Jun-11	22-Nov-11																						
Excavation & Lateral Support, ELS	319d	26-Jun-11	11-May-12																						
Landing Steps - Demolition/Reconstruct as footpath	40d	28-Jun-11	23-Aug-11																						

- ◆ Milestone
- ◆ Milestone
- ▬ Remaining Work
- ▬ Critical Remaining Work
- ▬ Actual Work

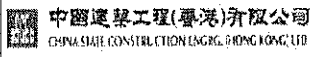
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**China State Construction Engineering (Hong Kong) Ltd.**

**Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel**

**( CBTS Section )**

Prepared by William Caluza			
Date	Revision	Checked	Approved
14-Mar-11	Revision C	ST	KL
	File: GC01a		
	(Layout:HY/2009/15: CWB - Summary)		













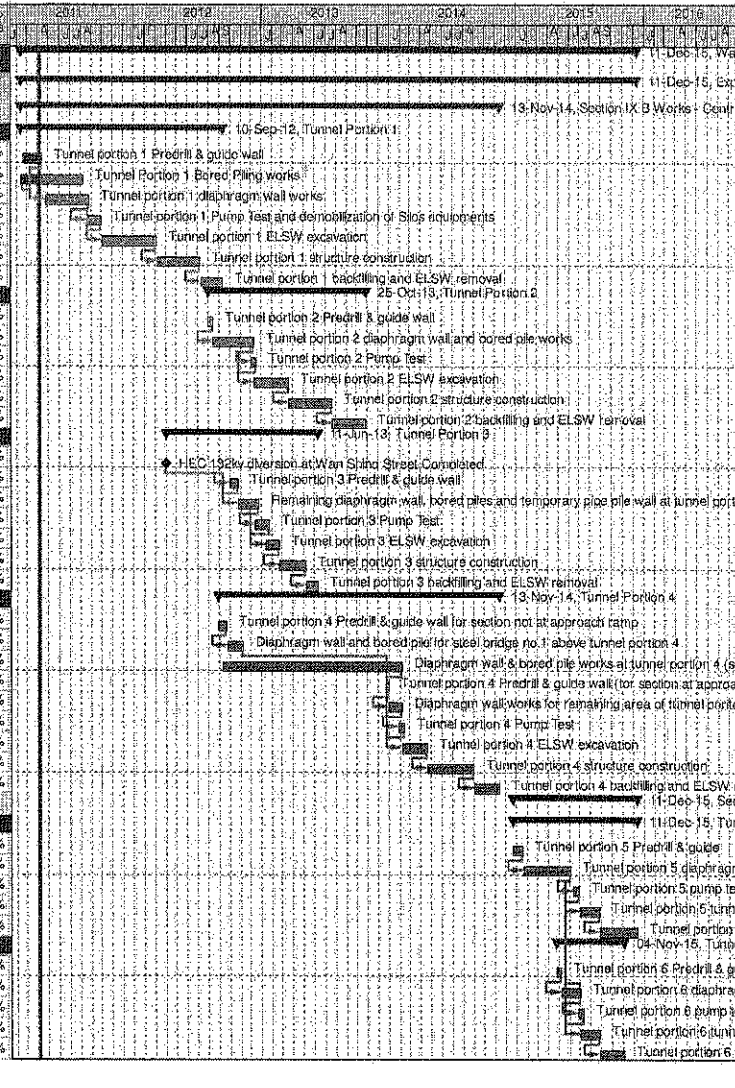




Wan Chai Development Phase II - Central - Wan Chai  
Bypass at Wan Chai East CONTRACT HK/2009/02

CHUN WO - CRGL JV

Activity ID	Activity Name	OD	Start	Finish	% Planned	2011	2012	2013	2014	2015	2016
<b>Wan Chai Development Phase II - Central - Wan Chai Bypass at Wan Chai East</b>											
<b>Expanded and More Detailed Initial Works Programme</b>											
Section IX B Works - Central - Wan Chai Bypass Tunnel Structure from chainage 3400 to eastern tunnel											
<b>Tunnel Portion 1</b>											
S9B-T1-0005	Tunnel portion 1 Predrill & guide wall	10	18-Feb-11	13-Apr-11	40%						
S9B-T1-0007	Tunnel Portion 1 Bored Piling works	105	09-Feb-11	08-Aug-11	0%						
S9B-T1-0010	Tunnel portion 1 diaphragm wall works	105	26-Apr-11	27-Aug-11	0%						
S9B-T1-0015	Tunnel portion 1 Pump Test and demobilization of Slos equipments	35	20-Aug-11	30-Sep-11	0%						
S9B-T1-0020	Tunnel portion 1 ELSW excavation	130	03-Oct-11	07-Mar-12	0%						
S9B-T1-0030	Tunnel portion 1 structure construction	100	09-Mar-12	09-Jul-12	0%						
S9B-T1-0040	Tunnel portion 1 backfilling and ELSW removal	54	10-Jul-12	10-Sep-12	0%						
<b>Tunnel Portion 2</b>											
S9B-T2-0105	Tunnel portion 2 Predrill & guide wall	10	02-Aug-12	13-Aug-12	0%						
S9B-T2-0010	Tunnel portion 2 diaphragm wall and bored pile works	100	14-Aug-12	10-Dec-12	0%						
S9B-T2-0015	Tunnel portion 2 Pump Test	14	03-Dec-12	18-Dec-12	0%						
S9B-T2-0020	Tunnel portion 2 ELSW excavation	80	11-Dec-12	19-Mar-13	0%						
S9B-T2-0030	Tunnel portion 2 structure construction	100	20-Mar-13	22-Jul-13	0%						
S9B-T2-0040	Tunnel portion 2 backfilling and ELSW removal	80	23-Jul-13	25-Oct-13	0%						
<b>Tunnel Portion 3</b>											
S9B-T3-0005	HEC 132kv diversion at Wan Shing Street Completed	0	01-Apr-12*		0%						
S9B-T3-0008	Tunnel portion 3 Predrill & guide wall	20	02-Oct-12	25-Oct-12	0%						
S9B-T3-0010	Remaining diaphragm wall, bored piles and temporary pipe pile wall at tunnel portion 3.	50	25-Oct-12	22-Dec-12	0%						
S9B-T3-0015	Tunnel portion 3 Pump Test	30	15-Dec-12	22-Jan-13	0%						
S9B-T3-0020	Tunnel portion 3 ELSW excavation	30	15-Jan-13	20-Feb-13	0%						
S9B-T3-0030	Tunnel portion 3 structure construction	80	21-Feb-13	08-May-13	0%						
S9B-T3-0040	Tunnel portion 3 backfilling and ELSW removal	30	07-May-13	11-Jun-13	0%						
<b>Tunnel Portion 4</b>											
S9B-T4-0005	Tunnel portion 4 Predrill & guide wall for section not at approach ramp	21	30-Aug-12	22-Sep-12	0%						
S9B-T4-0010	Diaphragm wall and bored pile for steel bridge no.1 above tunnel portion 4	40	24-Sep-12	10-Nov-12	0%						
S9B-T4-0020	Diaphragm wall & bored pile works at tunnel portion 4 (section not at approach ramp)	420	11-Sep-12	05-Feb-14	0%						
S9B-T4-0025	Tunnel portion 4 Predrill & guide wall (for section at approach ramp)	5	23-Dec-13	30-Dec-13	0%						
S9B-T4-0030	Diaphragm wall works for remaining area of tunnel portion 4 (for section at approach ramp)	30	31-Dec-13	06-Feb-14	0%						
S9B-T4-0035	Tunnel portion 4 Pump Test	14	28-Jan-14	14-Feb-14	0%						
S9B-T4-0040	Tunnel portion 4 ELSW excavation	60	07-Feb-14	19-Apr-14	0%						
S9B-T4-0050	Tunnel portion 4 structure construction	110	22-Apr-14	01-Sep-14	0%						
S9B-T4-0060	Tunnel portion 4 backfilling and ELSW removal	60	02-Sep-14	13-Nov-14	0%						
Section X Works - Central - Wan Chai Bypass Tunnel Structure from western tunnel to chainage 3400											
<b>Tunnel Portion 5</b>											
S10-T5-0005	Tunnel portion 5 Predrill & guide	21	23-Dec-14	19-Jan-15	0%						
S10-T5-0010	Tunnel portion 5 diaphragm wall & bored pile works	110	20-Jan-15	04-Jun-15	0%						
S10-T5-0015	Tunnel portion 5 pump test	14	13-Jun-15	30-Jun-15	0%						
S10-T5-0020	Tunnel portion 5 tunnel ELSW excavation	45	04-Jul-15	25-Aug-15	0%						
S10-T5-0030	Tunnel portion 5 tunnel structure construction	90	26-Aug-15	11-Dec-15	0%						
<b>Tunnel Portion 6</b>											
S10-T6-0040	Tunnel portion 6 Predrill & guide	12	24-Apr-15	08-May-15	0%						
S10-T6-0050	Tunnel portion 6 diaphragm wall & bored pile works at Area 10	45	09-May-15	09-Jul-15	0%						
S10-T6-0055	Tunnel portion 6 pump test	14	25-Jun-15	11-Jul-15	0%						
S10-T6-0060	Tunnel portion 6 tunnel ELSW excavation at Area 10	45	04-Jul-15	25-Aug-15	0%						
S10-T6-0070	Tunnel portion 6 tunnel structure construction at Area 10	58	26-Aug-15	04-Nov-15	0%						



和中國中鐵聯合  
 Chun Wo - CRGL JOINT VENTURE

CEDD CONTRACT NO. HK/2009/02  
**Wan Chai Development Phase II - Central Wan Chai Bypass at Wan Chai East (Contract 2)**  
 Revised Programme dated 7 April 2011

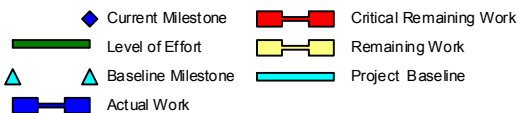
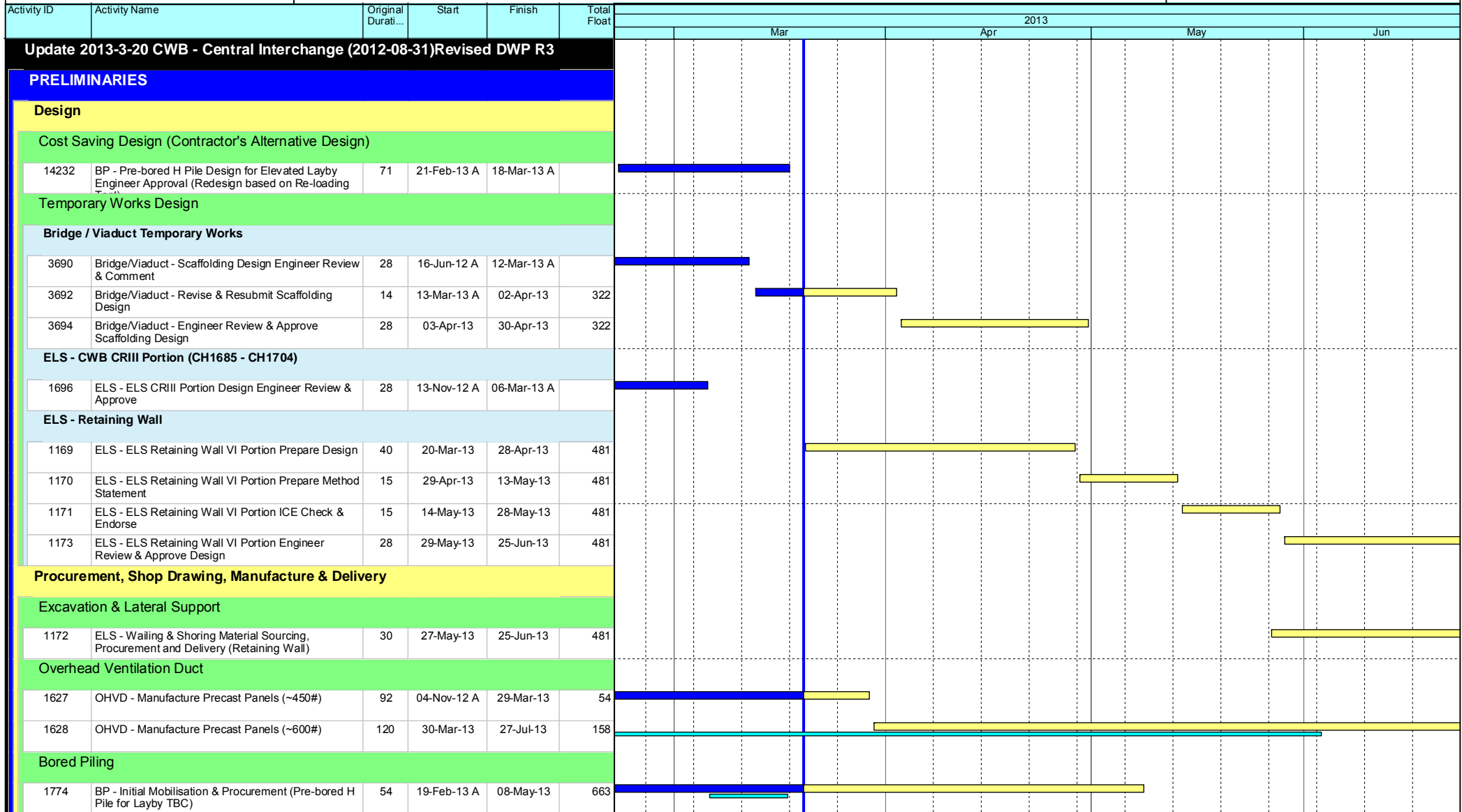
Date	Revision	Checked	Approved
07-Apr-11		KT	KY

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# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.



## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

Project ID: U030  
Baseline: DCP4-4  
Layout: Update Three Month Rolling U029  
Page 1 of 7

Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW

# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.

Activity ID	Activity Name	Original Durati...	Start	Finish	Total Float	2013					
						Mar	Apr	May	Jun		
<b>Post-tensioning</b>											
3835	PT - Initial Mobilisation & Procurement	45	20-Feb-13 A	02-May-13	319						
1137	PT - Prepare & Submit Post-tensioning Method Statement	15	21-Mar-13	04-Apr-13	319						
1141	PT - Post-tensioning Method Statement Engineer Review & Approval	28	05-Apr-13	02-May-13	319						
<b>Bridge Bearings</b>											
3845	BEAR - Procure & Fabricate Bridge Bearings	30	15-Nov-12 A	08-May-13	324						
1142	BEAR - Prepare & Submit Bearing & Plinth Method Statement	28	20-Mar-13	16-Apr-13	443						
1143	BEAR - Bearing & Plinth Method Statement Engineer Review & Approval	28	17-Apr-13	14-May-13	443						
3846	BEAR - Delivery of Bearings	7	09-May-13	15-May-13	324						
<b>Establishment, Mobilisation &amp; Advanced Works</b>											
<b>Instrumentation and Monitoring</b>											
3012	INS - Portion VI Install Instrumentation	54	13-Nov-12 A	19-Mar-13 A							
1402	INS - Portion VI Initial Reading	30	04-Mar-13 A	19-Apr-13	430						
<b>SECTION 3A - ALL TUNNEL WORKS IN PORTION IIIB</b>											
<b>CWB Tunnel - CH1704 to CH1825</b>											
<b>CWB Tunnel Internal Works</b>											
1720	1704-1825 - Prepare CJ (substantial completed)	40	21-Dec-12 A	08-Mar-13 A							
<b>CWB Tunnel - CH1685 to CH1704</b>											
<b>CWB Tunnel Structure</b>											
1721	1685-1704 - Excavate to 2nd Layer (East)	8	06-Feb-13 A	22-Mar-13	60						
1719	1685-1704 - Erect 2nd Layer Strut (East)	8	23-Mar-13	05-Apr-13	60						
1722	1685-1704 - Excavate to 3rd Layer (East)	5	06-Apr-13	11-Apr-13	60						
1723	1685-1704 - Erect 3rd Layer Strut (East)	10	12-Apr-13	23-Apr-13	60						
1724	1685-1704 - Excavate to Formation Layer (East)	5	24-Apr-13	29-Apr-13	60						
1726	1685-1704 - Construct CWB Tunnel Base Slab & Waterproofing (Bay 12)	23	30-Apr-13	28-May-13	60						

- Current Milestone
- Critical Remaining Work
- Level of Effort
- Remaining Work
- Baseline Milestone
- Project Baseline
- Actual Work

## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

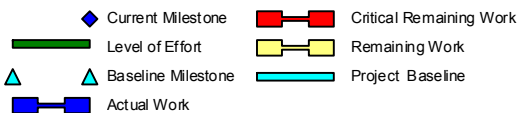
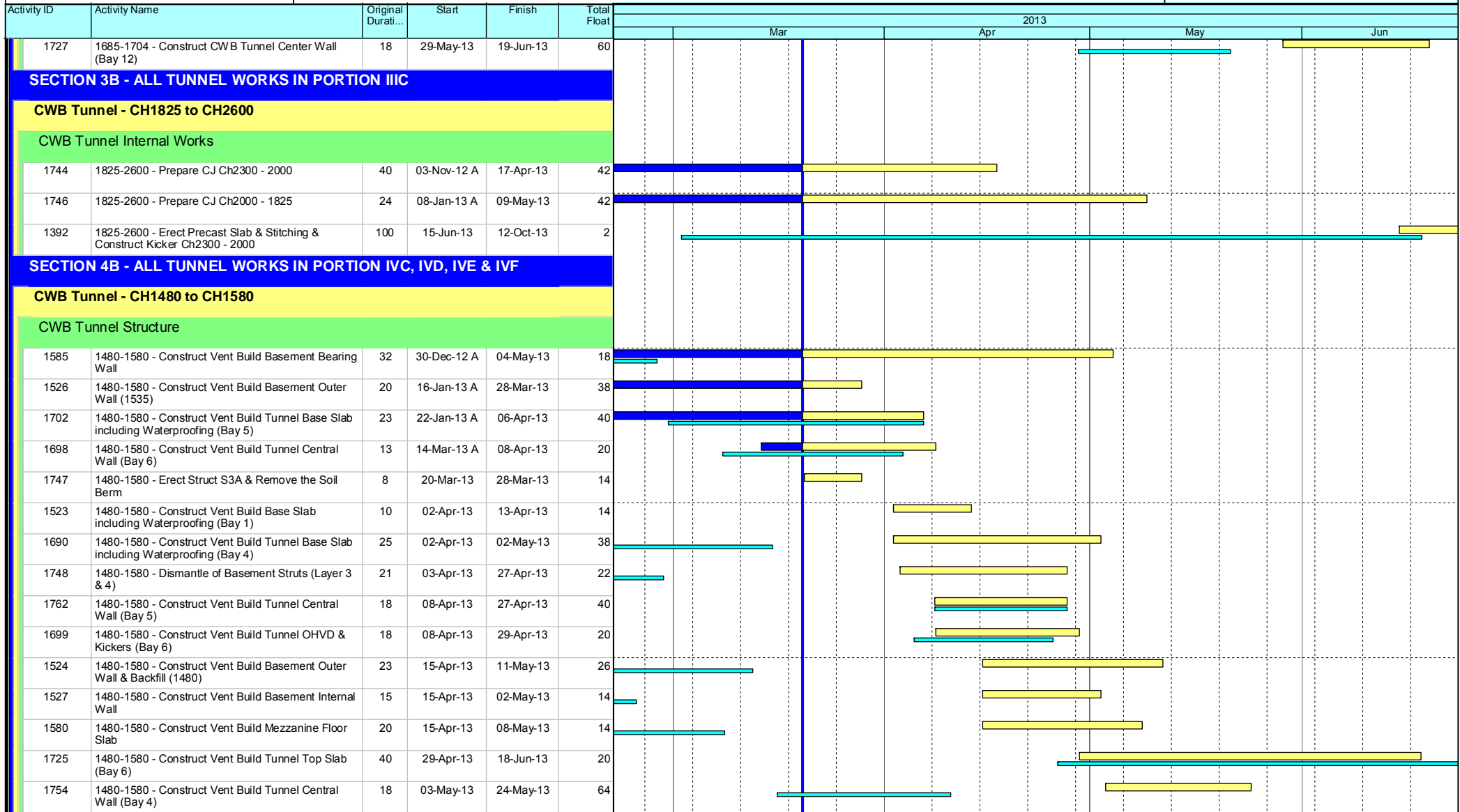
Project ID: U030  
 Baseline: DCP4-4  
 Layout: Update Three Month Rolling U029  
 Page 2 of 7

Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW

# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.



## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

Project ID: U030  
Baseline: DCP4-4  
Layout: Update Three Month Rolling U029  
Page 3 of 7

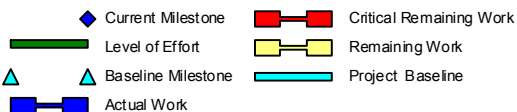
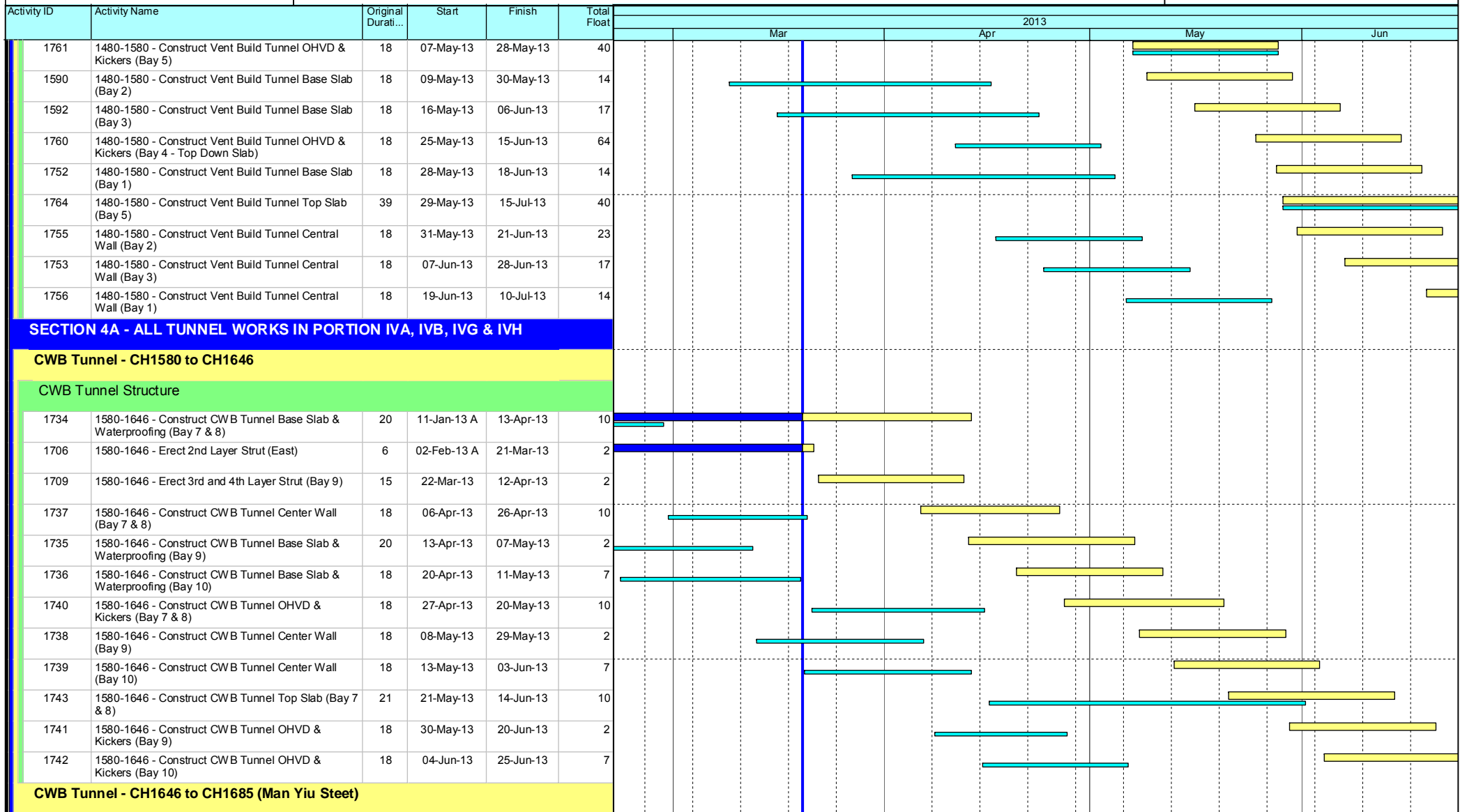
Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW



# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.



## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

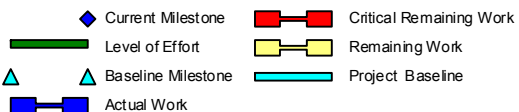
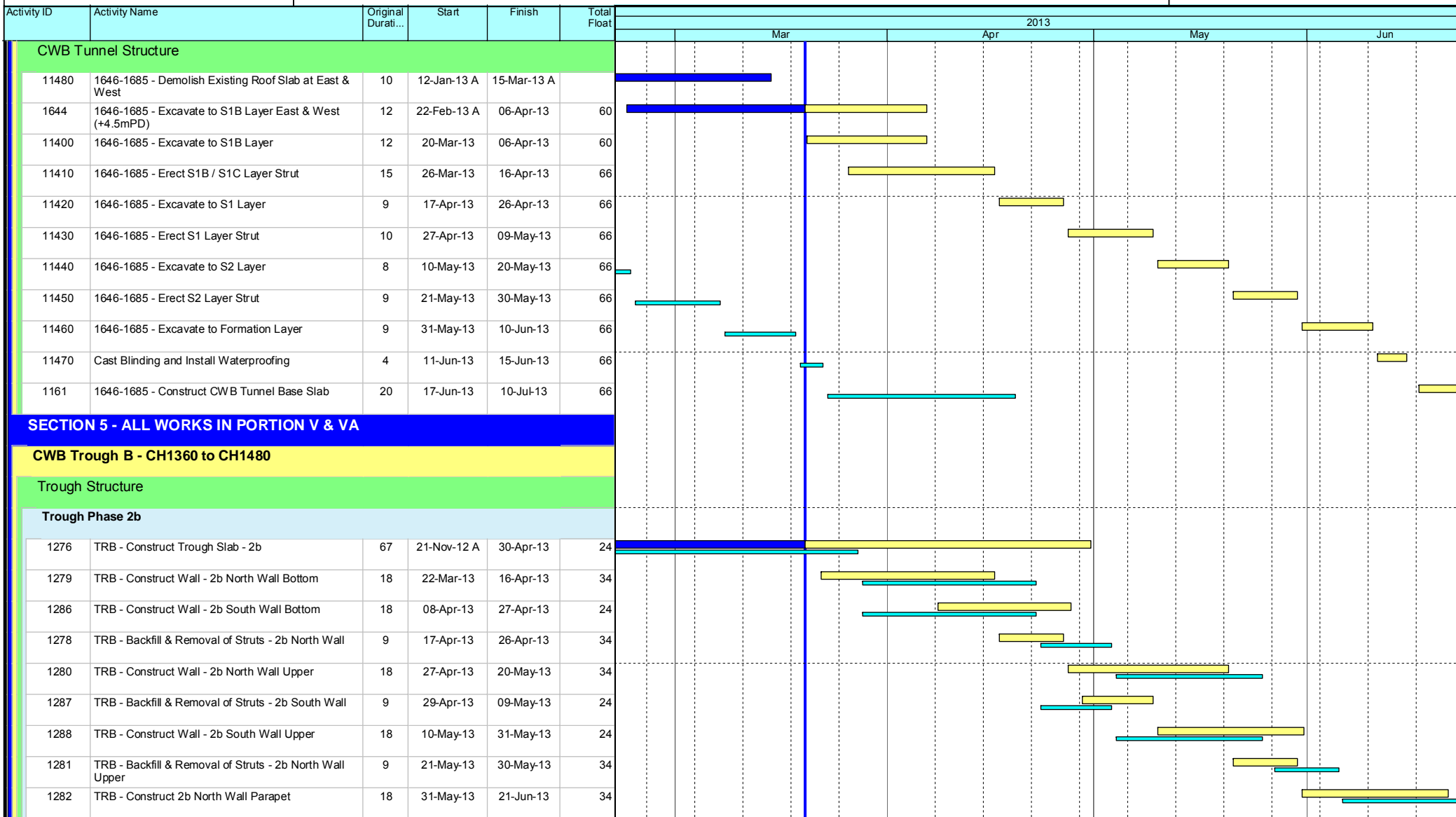
Project ID: U030  
 Baseline: DCP4-4  
 Layout: Update Three Month Rolling U029  
 Page 4 of 7

Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW

# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.



## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

Project ID: U030  
 Baseline: DCP4-4  
 Layout: Update Three Month Rolling U029  
 Page 5 of 7

Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW





Data Date: 20-Mar-13

# HY/2009/18 Central - Wan Chai Bypass (Central Interchange)



TASK filters: 3 Months, Not HL.

Activity ID	Activity Name	Original Durati...	Start	Finish	Total Float	2013			
						Mar	Apr	May	Jun
2580	RSFLB - Site Clearance & Hoarding	12	20-Mar-13	06-Apr-13	522				
1113	RSFLB - Tree Transplantation	22	25-Mar-13	23-Apr-13	1109				
1630	RSFLB - Divert Any Utilities	26	27-Apr-13	30-May-13	522				
<b>Bridge Structure</b>									
2590	RSFLB - Pier E1/E2 Site Investigation with Report	60	22-Jan-13 A	27-Apr-13	522				
2720	RSFLB - Pier E1/E2 Prebored H-Piles (2 nos.)	30	30-May-13	06-Jul-13	522				

- Current Milestone
- Level of Effort
- Baseline Milestone
- Actual Work
- Critical Remaining Work
- Remaining Work
- Project Baseline

## Leighton Contractors (Asia) Limited Programme Update 30 (Mar 2013) THREE MONTH ROLLING

Project ID: U030  
 Baseline: DCP4-4  
 Layout: Update Three Month Rolling U029  
 Page 7 of 7

Date	Revision	Checked	Approv...
21-Mar-13	U030	EC	RW
21-Feb-13	U029	EC	RW

Activity ID	HY19 Print Sequenc	Activity Name	Rem Dur	Start	Finish	2013																							
						March						April						May						June					
						18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17						
<b>3MRP - Mar 2013 to Jun 2013</b>																													
<b>02 - PRE-CONSTRUCTION WORKS</b>																													
<b>02.2 - Contractor's Submission</b>																													
0220-1360	3	Tunnel Structures Materials - Submission	7	19-Jul-12 A	26-Mar-13	Tunnel Structures Materials - Submission																							
0220-1370	3	Tunnel Structures Materials - ER Review/Comment	7	14-Jan-13 A	02-Apr-13	Tunnel Structures Materials - ER Review/Comment																							
0220-1380	3	Tunnel Structures Materials - Resubmission	7	28-Jan-13 A	09-Apr-13	Tunnel Structures Materials - Resubmission																							
0220-1390	3	Tunnel Structures Materials - ER Approval	14	15-Mar-13 A	23-Apr-13	Tunnel Structures Materials - ER Approval																							
0220-1400	3	Tunnel Structures Materials - Procurement & Delivery	60	24-Apr-13	22-Jun-13	Tunnel Structures Materials - Procurement & Delivery																							
0220-1500		Bridge Bearing - Procurement & Delivery (D8/D9/D10)	0	24-Sep-12 A	20-Feb-13 A	Bridge Bearing - Procurement & Delivery (D8/D9/D10)																							
<b>02.3 - Method Statement / Shop Drawings</b>																													
0230-1290	2	MS Cut & Cover Tunnel ELS - ER Approval	0	07-Aug-12 A	28-Feb-13 A	MS Cut & Cover Tunnel ELS - ER Approval																							
0230-1360	3	MS Pre-cast Segment Launching by LG- Resubmission	8	21-Jan-13 A	27-Mar-13	MS Pre-cast Segment Launching by LG- Resubmission																							
0230-1370	3	MS Pre-cast Segment Launching by LG - ER Approval	28	28-Feb-13 A	24-Apr-13	MS Pre-cast Segment Launching by LG - ER Approval																							
0230-1375	31	MS Pre-cast Pier Segment Erection by Crane - Resubmission	0	21-Jan-13 A	27-Feb-13 A	MS Pre-cast Pier Segment Erection by Crane - Resubmission																							
0230-1378	31	MS Pre-cast Pier Segment Erection by Crane - ER Approval	0	28-Feb-13 A	08-Mar-13 A	MS Pre-cast Pier Segment Erection by Crane - ER Approval																							
0230-1490	4	MS Stressing Tendons - ER Approval	12	11-Feb-13 A	31-Mar-13	MS Stressing Tendons - ER Approval																							
0230-1700	6	MS Temporary Bridge TA1 - Submission	24	01-Apr-13	24-Apr-13	MS Temporary Bridge TA1 - Submission																							
0230-1710	6	MS Temporary Bridge TA1 - ER Review & Comment	28	25-Apr-13	22-May-13	MS Temporary Bridge TA1 - ER Review & Comment																							
0230-1720	6	MS Temporary Bridge TA1 - Resubmission	12	23-May-13	03-Jun-13	MS Temporary Bridge TA1 - Resubmission																							
0230-1730	6	MS Temporary Bridge TA - ER Approval	28	04-Jun-13	01-Jul-13	MS Temporary Bridge TA - ER Approval																							
0230-1330	7	MS Pre-casting Beam - ER Approval	0	11-Feb-13 A	19-Mar-13 A	MS Pre-casting Beam - ER Approval																							
0230-1860	8	MS Marine Pier Crosshead Construction - Submission	3	20-Feb-13 A	22-Mar-13	MS Marine Pier Crosshead Construction - Submission																							
0230-1870	8	MS Marine Pier Crosshead Construction - ER Review & Comment	3	04-Mar-13 A	22-Mar-13	MS Marine Pier Crosshead Construction - ER Review & Comment																							
0230-1890	8	MS Marine Pier Crosshead Construction - ER Approval	12	23-Mar-13	03-Apr-13	MS Marine Pier Crosshead Construction - ER Approval																							
0230-1500	8	MS Bridge Demolition - Submission	28	03-Jun-13*	30-Jun-13	MS Bridge Demolition - Submission																							
0230-1900	9	MS Marine Temp Pile Removal - Submission	0	20-Feb-13 A	09-Mar-13 A	MS Marine Temp Pile Removal - Submission																							
0230-1910	9	MS Marine Temp Pile Removal - ER Review & Comment	12	11-Mar-13 A	31-Mar-13	MS Marine Temp Pile Removal - ER Review & Comment																							
0230-1920	9	MS Marine Temp Pile Removal - Resubmission	6	01-Apr-13	06-Apr-13	MS Marine Temp Pile Removal - Resubmission																							
0230-1930	9	MS Marine Temp Pile Removal - ER Approval	12	07-Apr-13	18-Apr-13	MS Marine Temp Pile Removal - ER Approval																							
<b>02.4 - Contractor's Design and Build Items</b>																													
0240-1010	1	Temp Bridge "TA1" Design - Prep & Submit	12	16-Dec-11 A	31-Mar-13	Temp Bridge "TA1" Design - Prep & Submit																							
0240-1020	1	Temp Bridge "TA1" Design - ER review and comment	28	01-Apr-13	28-Apr-13	Temp Bridge "TA1" Design - ER review and comment																							
0240-1030	1	Temp Bridge "TA1" Design - Resubmission	28	29-Apr-13	26-May-13	Temp Bridge "TA1" Design - Resubmission																							
0240-1035	1	Temp Bridge "TA1" Design - ER Approval	21	27-May-13	16-Jun-13	Temp Bridge "TA1" Design - ER Approval																							
0240-1040	1	Temp Bridge "TA" Design - Fabrication	60	08-Jun-13	06-Aug-13	Temp Bridge "TA" Design - Fabrication																							
0240-1041	2	Temp Bridge "TD" Design - Submission	36	01-Mar-13 A	24-Apr-13	Temp Bridge "TD" Design - Submission																							
0240-1042	2	Temp Bridge "TD" Design - ER review and comment	28	25-Apr-13	22-May-13	Temp Bridge "TD" Design - ER review and comment																							
0240-1043	2	Temp Bridge "TD" Design - Resubmission	36	23-May-13	27-Jun-13	Temp Bridge "TD" Design - Resubmission																							
0240-1105	3	Int. Noise Enclosure Structural Design - Submission	42	20-Mar-13	30-Apr-13	Int. Noise Enclosure Structural Design - Submission																							
0240-1110	3	Int. Noise Enclosure Structural Design - ER Review/Resubmission	48	01-May-13	17-Jun-13	Int. Noise Enclosure Structural Design - ER Review/Resubmission																							
0240-1126	4	Noise Barrier Design Structural Design - Submission	42	20-Mar-13	30-Apr-13	Noise Barrier Design Structural Design - Submission																							
0240-1127	4	Noise Barrier Design Structural Design - ER Review/Resubmission	48	01-May-13	17-Jun-13	Noise Barrier Design Structural Design - ER Review/Resubmission																							
0240-1150	5	Perm. Noise Enclosure Structural Design - Submission	42	20-Mar-13	30-Apr-13	Perm. Noise Enclosure Structural Design - Submission																							
0240-1160	5	Perm. Noise Enclosure Structural Design - ER Review/Resubmission	48	01-May-13	17-Jun-13	Perm. Noise Enclosure Structural Design - ER Review/Resubmission																							

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

**Contract HY/2009/19**

**Three Month Rolling Programme (20 FEB 2013 to 19 MAY 2013)**

3MRP

3MRP - Mar 2013 to Jun 2013

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Activity ID	HY19 Print Sequence	Activity Name	Rem Dur	Start	Finish	2013																							
						March						April						May						June					
						18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17						
0240-1270	6	Landscaping Design - Submission	90	01-Jun-13*	29-Aug-13																								
0240-1376	7	Cut & Cover Tunnel ELS Design - ER Review & Resubmission	0	14-Jun-12 A	19-Mar-13 A																								
0240-1377	7	Cut & Cover Tunnel ELS Design - ER Approval	15	27-Feb-13 A	03-Apr-13																								
0240-1050	8	Temp Bridge "TB" & "TC" Design - Prep & Submit	120	01-May-13*	28-Aug-13																								
0240-1389	9	Segment Temp Stabilization System - Resubmission	0	20-Feb-13 A	19-Mar-13 A																								
0240-1399	9	Segment Temp Stabilization System - ER Approval	12	04-Mar-13 A	31-Mar-13																								
0240-1409	91	Segment Temp Pre-stress System - Resubmission	0	20-Feb-13 A	19-Mar-13 A																								
0240-1419	91	Segment Temp Pre-stress System - ER Approval	12	10-Mar-13 A	31-Mar-13																								
<b>02.5 - Bridge Segment/Beam Off-site Precasting</b>																													
0250-1700.01	BM	Bridge Precast Beam Casting Bridge Beam F5-1	2	14-Jan-13 A	21-Mar-13																								
0250-1700.02	BM	Bridge Precast Beam Casting Bridge Beam F5-2	15	22-Mar-13	05-Apr-13																								
0250-1700.03	BM	Bridge Precast Beam Casting Bridge F4 Beam 1-1	15	06-Apr-13	20-Apr-13																								
0250-1700.04	BM	Bridge Precast Beam Casting Bridge F4 Beam 1-2	14	21-Apr-13	04-May-13																								
0250-1700.005	BM	Bridge Precast Beam Casting Bridge F4 Beam 2-1	14	05-May-13	18-May-13																								
0250-1700.06	BM	Bridge Precast Beam Casting Bridge F4 Beam 2-2	14	19-May-13	01-Jun-13																								
0250-1700.07	BM	Bridge Precast Beam Casting Bridge F4 Beam 3-1	14	02-Jun-13	15-Jun-13																								
0250-1600.07	S1	Bridge D3 Pier D10 Precasting Segment (4-17) - Mould S1	0	15-Feb-13 A	18-Mar-13 A																								
0250-1600.09	S1	Bridge D3 Pier D11 Precasting Segment (4-17) - Mould S2	4	17-Jan-13 A	23-Mar-13																								
0250-1600.10	S1	Bridge F1 Pier F1A Precasting Segment (1-13) - Mould S1	28	17-Apr-13	14-May-13																								
0250-1600.11	S1	Bridge F2 Pier F05 Precasting Segment (1-13) - Mould S1	28	15-May-13	11-Jun-13																								
0250-1650.01	S2	Bridge D3 Pier D08 Precasting Segment (1-8) - Mould S2	0	04-Jan-13 A	22-Feb-13 A																								
0250-1650.06	S2	Bridge F1 Pier F2A Precasting Segment (1-11) - Mould S1	28	18-Mar-13 A	16-Apr-13																								
0250-1650.02	S2	Bridge D3 Pier D12 Precasting Segment (1-4) - Mould S2	16	24-Mar-13	08-Apr-13																								
0250-1650.03	S2	Bridge F1 Pier D12 Precasting Segment (1-4) - Mould S2	16	09-Apr-13	24-Apr-13																								
0250-1650.04	S2	Bridge F1 Pier F03 Precasting Segment (1-6) - Mould S2	24	25-Apr-13	18-May-13																								
0250-1650.05	S2	Bridge F2 Pier F03 Precasting Segment (1-5) - Mould S2	20	19-May-13	07-Jun-13																								
0250-1650.16	S2	Bridge F2 Pier F05 Precasting Segment (1-6) - Mould S2	20	08-Jun-13	27-Jun-13																								
0250-1655.01	S3	Bridge F3 - F05 Segment - Pier Segment +1 (2 nos) - Mould T	7	02-Apr-13*	08-Apr-13																								
0250-1655.02	S3	Bridge F3 - F05 Segment - Remaining (4 nos) - Mould T	12	09-Apr-13*	20-Apr-13																								
0250-1655.03	S3	Bridge F3 - F06 Segment - Pier Segment + 2 (3 nos) - Mould T	10	21-Apr-13*	30-Apr-13																								
0250-1655.04	S3	Bridge F3 - F06 Segment - Remaining (10 nos) - Mould T	30	01-May-13*	30-May-13																								
0250-1655.014	S3	Bridge F3 - F07 Segment - Pier Segment +2 (3 nos) - Mould T	10	31-May-13*	09-Jun-13																								
0250-1655.024	S3	Bridge F3 - F07 Segment - Remaining (10 nos) - Mould T	30	10-Jun-13*	09-Jul-13																								
0250-1805	SS1	Segment Storage - Portal Gantry Assembly + T&C + RPE Cert	0	21-Jan-13 A	19-Mar-13 A																								
0250-1820	SS1	Segment Storage - Portal Gantry Foundation + Rail Stage 2	0	09-Mar-13 A	19-Mar-13 A																								
0250-1830	SS1	Segment Storage - Portal Gantry Foundation + Rail Stage 3	6	13-Apr-13	19-Apr-13																								
0250-1810	SS2	Segment Storage - Haul Road	0	02-Mar-13 A	08-Mar-13 A																								
0250-1840	SS3	Segment Unloading Derrick - Prebored H-pile (16 nos.)	0	17-Jan-13 A	14-Mar-13 A																								
0250-1850	SS3	Segment Unloading Derrick - Foundation Stage 1	3	15-Mar-13 A	22-Mar-13																								
0250-1860	SS3	Segment Unloading Derrick - Assembly + T&C + RPE Cert	18	23-Mar-13	16-Apr-13																								
0250-1870	SS3	Segment Unloading Derrick - Foundation Stage 2	9	10-Apr-13	19-Apr-13																								
0250-1880	SS3	Commence Segments Delivery to Site	0	20-Apr-13																									

**03 - PRELIMINARY WORKS**

**03.3 - Interface Works**

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

**Contract HY/2009/19**

**Three Month Rolling Programme (20 FEB 2013 to 19 MAY 2013)**

3MRP

3MRP - Mar 2013 to Jun 2013

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Activity ID	HY19 Print Sequenc	Activity Name	Rem Dur	Start	Finish	2013																							
						March						April						May						June					
						18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17						
1011-3045	ZB	Approve MS for Construction of Temp Parapet at IEC Bridge	18	02-Apr-13	23-Apr-13	Approve MS for Construction of Temp Parapet at IEC Bridge																							
1011-3065	ZC	Existing IEC Bridge F8-F14 - Install Temporary Road Lighting (Sunday Work)	33	10-Mar-13 A	21-Apr-13	Existing IEC Bridge F8-F14 - Install Temporary Road Lighting (Sunday Work)																							
1011-3075	ZC	Existing IEC Bridge F8-F14 - Remove Existing Road Lighting (Sunday Work)	28	22-Apr-13	19-May-13	Existing IEC Bridge F8-F14 - Remove Existing Road Lighting (Sunday Work)																							
1011-3085	ZC	Existing IEC Bridge F8-F14 - Temporary Parapet Erection (Sunday Works)	35	24-Apr-13	28-May-13	Existing IEC Bridge F8-F14 - Temporary Parapet Erection (Sunday Works)																							
1011-3095	ZC	Existing IEC Bridge F8-F14 - Demolish Existing Parapet (Sunday Work)	35	29-May-13	02-Jul-13	Existing IEC Bridge F8-F14 - Demolish Existing Parapet (Sunday Work)																							
<b>Pier F01 to F02</b>																													
1011-2865	F01	F1A Pile Cap Construction	0	24-Jan-13 A	08-Mar-13 A	F1A Pile Cap Construction																							
1011-2870	F01	F1A Pier/Column Construction	0	09-Mar-13 A	14-Mar-13 A	F1A Pier/Column Construction																							
1011-2880	F01	F1A Crosshead Construction	18	20-Mar-13	12-Apr-13	F1A Crosshead Construction																							
1011-2805	F02	F2A Pile Cap Construction	4	20-Feb-13 A	23-Mar-13	F2A Pile Cap Construction																							
1011-2810	F02	F2A Pier/Column Construction	12	25-Mar-13	10-Apr-13	F2A Pier/Column Construction																							
1011-2820	F02	F2A Crosshead Construction	18	11-Apr-13	02-May-13	F2A Crosshead Construction																							
1011-2995	F02	Bridge F1A Bearing Installation	6	30-May-13	05-Jun-13	Bridge F1A Bearing Installation																							
1011-2830	F02B	F2B Pile Cap Shutter Cofferdam	0	17-Jan-13 A	22-Feb-13 A	F2B Pile Cap Shutter Cofferdam																							
1011-2835	F02B	F2B Pile Cap Construction	15	11-Mar-13 A	09-Apr-13	F2B Pile Cap Construction																							
1011-2840	F02B	F2B Pier/Column Construction	12	10-Apr-13	23-Apr-13	F2B Pier/Column Construction																							
1011-2850	F02B	F2B Crosshead Construction	18	24-Apr-13	15-May-13	F2B Crosshead Construction																							
1011-2965	F02C	Extract Temp Pile at F1 and F2	12	03-May-13	16-May-13	Extract Temp Pile at F1 and F2																							
<b>10.1.2 - Land Pier Construction</b>																													
<b>Pier D08 to D11</b>																													
1012-1125	D08	Bearing Installation Pier D8 + D9 + D10	0	21-Feb-13 A	28-Feb-13 A	Bearing Installation Pier D8 + D9 + D10																							
1012-1580	D11	Bearing Installation Pier D11 + D12	0	01-Mar-13 A	09-Mar-13 A	Bearing Installation Pier D11 + D12																							
<b>Pier D05 to D07</b>																													
1012-1290.20	D05	Pier D05 Bored Pile D05-1	12	13-May-13	25-May-13	Pier D05 Bored Pile D05-1																							
1012-1300	D05	Pier D05 Bored Piles Testing	18	27-May-13	17-Jun-13	Pier D05 Bored Piles Testing																							
<b>10.1.3 - E/B Bridge Construction</b>																													
<b>Bridge D3</b>																													
1013-1015	2	Segment and Beam Launching Girder - Deliver to Site	0	07-Feb-13 A	18-Mar-13 A	Segment and Beam Launching Girder - Deliver to Site																							
1013-1020	2	Segment and Beam Launching Girder - Assembly	14	18-Mar-13 A	08-Apr-13	Segment and Beam Launching Girder - Assembly																							
1013-1025	2	Segment and Beam Launching Girder - Erection	18	26-Mar-13	18-Apr-13	Segment and Beam Launching Girder - Erection																							
1013-1030	2	Segment and Beam Launching Girder - Load Test	5	19-Apr-13	24-Apr-13	Segment and Beam Launching Girder - Load Test																							
1013-1760	2A	Pierhead Segment Erection D8 + D9 + D10	0	27-Feb-13 A	15-Mar-13 A	Pierhead Segment Erection D8 + D9 + D10																							
1013-1050		Bridge D3 Segment Launching from Pier D09 (16 nos)	5	25-Apr-13	30-Apr-13	Bridge D3 Segment Launching from Pier D09 (16 nos)																							
1013-1055		Bridge D3 Segment Launching from Pier D08 (7 nos)	2	02-May-13	03-May-13	Bridge D3 Segment Launching from Pier D08 (7 nos)																							
1013-1090		Bridge D3 Stitching at midspan between D8 and D9	3	04-May-13	07-May-13	Bridge D3 Stitching at midspan between D8 and D9																							
1013-1060		Bridge D3 Segment Launching from Pier D10 (17 nos)	6	08-May-13	14-May-13	Bridge D3 Segment Launching from Pier D10 (17 nos)																							
1013-1100		Bridge D3 Stitching at midspan between D9 and D10	3	15-May-13	17-May-13	Bridge D3 Stitching at midspan between D9 and D10																							
1013-1070		Bridge D3 Segment Launching from Pier D11 (17 nos)	6	18-May-13	24-May-13	Bridge D3 Segment Launching from Pier D11 (17 nos)																							
1013-1110		Bridge D3 Stitching at midspan between D10 and D11	3	25-May-13	28-May-13	Bridge D3 Stitching at midspan between D10 and D11																							
1013-1080		Bridge D3 Segment Launching from Abutment D12 (4 nos)	3	29-May-13	31-May-13	Bridge D3 Segment Launching from Abutment D12 (4 nos)																							
1013-1120		Bridge D3 Stitching at midspan between D11 and D12	3	01-Jun-13	04-Jun-13	Bridge D3 Stitching at midspan between D11 and D12																							
1013-1130		Bridge D3 Permanent Stressing	6	05-Jun-13	11-Jun-13	Bridge D3 Permanent Stressing																							
<b>10.1.4 - Bridge E / Hing Fat Slip Road</b>																													
<b>Pier Construction</b>																													

- Remaining Level of Effort
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

**Contract HY/2009/19**

**Three Month Rolling Programme (20 FEB 2013 to 19 MAY 2013)**

3MRP

3MRP - Mar 2013 to Jun 2013



Activity ID	HY19 Print Sequenc	Activity Name	Rem Dur	Start	Finish	2013																	
						March				April				May				June					
						18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17
1014-1010		Pier E1b-4 Bored Pile	0	12-Jan-13 A	20-Feb-13 A	Pier E1b-4 Bored Pile																	
1014-1220		Pier E1b-1 Bored Pile	18	29-May-13*	19-Jun-13	Pier E1b-1 Bored Pile																	
<b>10.3 - Middle Bridge (Bridge F)</b>																							
<b>10.3.1 - Pier Construction</b>																							
<b>Abutment D12</b>																							
1031-1053		Bored pile D12-12 (low headroom)	0	14-Jan-13 A	21-Feb-13 A	Bored pile D12-12 (low headroom)																	
1031-1055		Bored pile D12-05 (low headroom)	12	04-Mar-13 A	04-Apr-13	Bored pile D12-05 (low headroom)																	
1031-1370		Bored pile D12-13 (low headroom)	8	01-Mar-13 A	28-Mar-13	Bored pile D12-13 (low headroom)																	
1031-1380		Bored pile D12-06 (low headroom)	30	06-Apr-13	11-May-13	Bored pile D12-06 (low headroom)																	
1031-1390		Bored pile D12-14 (low headroom)	30	06-Apr-13	11-May-13	Bored pile D12-14 (low headroom)																	
1031-1400		Bored pile D12-07 (low headroom)	30	13-May-13	17-Jun-13	Bored pile D12-07 (low headroom)																	
<b>10.6 - Tunnel Approach Ramp</b>																							
<b>10.6.1 - Approach Ramp (Excluding Portion IIB)</b>																							
<b>Bored Piles</b>																							
1061-1520		Bored Pile Ramp - BN03	3	22-Feb-13 A	22-Mar-13	Bored Pile Ramp - BN03																	
1061-1530		Bored Pile Ramp - BN010	14	14-Mar-13 A	08-Apr-13	Bored Pile Ramp - BN010																	
1061-1540		Bored Pile Ramp - BN04	18	27-Mar-13	19-Apr-13	Bored Pile Ramp - BN04																	
1061-1550		Bored Pile Ramp - BN011	18	12-Apr-13	03-May-13	Bored Pile Ramp - BN011																	
1061-1560		Bored Pile Ramp - BN05	18	24-Apr-13	15-May-13	Bored Pile Ramp - BN05																	
1061-1570		Bored Pile Ramp - BN012	18	08-May-13	28-May-13	Bored Pile Ramp - BN012																	
1061-1580		Bored Pile Ramp - BN06	18	20-May-13	08-Jun-13	Bored Pile Ramp - BN06																	
1061-1590		Bored Pile Ramp - BN013	18	01-Jun-13	22-Jun-13	Bored Pile Ramp - BN013																	

- █ Remaining Level of Effort
- █ Actual Level of Effort
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work
- ◆ Milestone

**Contract HY/2009/19**

**Three Month Rolling Programme (20 FEB 2013 to 19 MAY 2013)**

3MRP

3MRP - Mar 2013 to Jun 2013

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