



CONTRACT NO: HK/2015/01

**WANCHAI DEVELOPMENT PHASE II AND CENTRAL
WANCHAI BYPASS
SAMPLING, FIELD MEASUREMENT AND TESTING WORK
(STAGE 3)**

**ENVIRONMENTAL PERMIT NO. EP-364/2009/E,
FURTHER ENVIRONMENTAL PERMIT NOS. FEP-01/364/2009,
FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP-
07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B AND
FEP-11/364/2009/E, FEP-12/364/2009/D**

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT

- MARCH 2017 -

CLIENTS:

**Civil Engineering and Development
Department**

and

Highways Department

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DATE:

13 April 2017

Ref.: AACWBIECEM00_0_9257L.17

18 April 2017

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

By Post and Fax (2691 2649)

Attention: Mr. Conrad Ng

Dear Mr. Ng,

**Re: Contract No. HK/2015/01
Wan Chai Development Phase II - Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 3)**

**Monthly Environmental Monitoring and Audit Report (March 2017)
for EP-364/2009/E, FEP-01/364/2009, FEP-02/364/2009, FEP-
05/364/2009/A, FEP-06/364/2009/A, FEP-07/364/2009/D, FEP-
09/364/2009/B, FEP-10/364/2009/B, FEP-11/364/2009/E & FEP-
12/364/2009/D**

Reference is made to the Environmental Team's submission of the captioned Monthly Environmental Monitoring and Audit (EM&A) Report for March 2017 received by e-mail on 13 April 2017 for our review and comment.

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 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	Attn: Mr. Tony Cheung	by fax: 2714 5289
	CEDD	Attn: Mr. Stephen Lo	by fax: 2577 5040
	Lam	Attn: Mr. Raymond Dai	by fax: 2882 3331
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TABLE OF CONTENTS

EXECUTIVE SUMMARY	4
1 INTRODUCTION	12
1.1 Scope of the Report	13
1.2 Structure of the Report	13
2 PROJECT BACKGROUND	15
2.1 Background	15
2.2 Scope of the Project and Site Description.....	15
2.3 Division of the Project Responsibility	16
2.4 Project Organization and Contact Personnel.....	17
3 STATUS OF REGULATORY COMPLIANCE	24
3.1 Status of Environmental Licensing and Permitting under the Project.....	24
4 MONITORING REQUIREMENTS	38
4.1 Noise Monitoring.....	38
4.2 Air Quality Monitoring	40
5 MONITORING RESULTS	42
5.1 Noise Monitoring Results	43
5.2 Real Time Noise Monitoring Results.....	46
5.3 Air Quality Monitoring Results	48
5.4 Waste Monitoring Results	54
6 COMPLIANCE AUDIT	60
6.1 Noise Monitoring.....	60
6.2 Air Quality Monitoring	61
6.3 Review of the Reasons for and the Implications of Non-compliance.....	64
6.4 Summary of action taken in the event of and follow-up on non-compliance	64
7 CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS	65
8 ENVIROMENTAL SITE AUDIT	66
9 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION	68
10 CONCLUSION	71

LIST OF TABLES

Table 2.1	<i>Schedule 2 Designated Projects under this Project</i>
Table 2.2	<i>Details of Individual Contracts under the Project</i>
Table 2.3	<i>Contact Details of Key Personnel</i>
Table 3.1	<i>Summary of the current status on licences and/or permits on environmental protection pertinent to the Project</i>
Table 3.2	<i>Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/01</i>
Table 3.3	<i>Summary of submission status under FEP-02/364/2009</i>
Table 3.4	<i>Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02</i>
Table 3.5	<i>Summary of submission status under FEP-01/364/2009</i>
Table 3.6	<i>Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/18</i>
Table 3.7	<i>Summary of submission status under FEP-05/364/2009/A</i>
Table 3.8	<i>Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/15</i>
Table 3.9	<i>Summary of submission status under FEP-06/364/2009/A</i>
Table 3.10	<i>Cumulative Summary of Valid License and Permits under Contract no. HY/2009/19</i>
Table 3.11	<i>Summary of submission status under FEP-07/364/2009/D</i>
Table 3.12	<i>Cumulative Summary of Valid License and Permits under Contract no. HK/2012/08</i>
Table 3.13	<i>Summary of submission status under FEP-12/364/2009/D</i>
Table 3.14	<i>Cumulative Summary of Valid License and Permits under Contract no. HY/2010/08</i>
Table 3.15	<i>Summary of submission status under FEP-10/364/2009/B</i>
Table 3.16	<i>Cumulative Summary of Valid License and Permits under Contract no. HY/2011/08</i>
Table 3.17	<i>Summary of submission status under FEP-11/364/2009/E</i>
Table 4.1	<i>Noise Monitoring Stations</i>
Table 4.2	<i>Real Time Noise Monitoring Stations</i>
Table 4.3	<i>Air Quality Monitoring Stations</i>
Table 5.1	<i>Noise Monitoring Stations for Contract no. HY/2009/18</i>
Table 5.2	<i>Noise Monitoring Station for Contract no HK/2009/01 and HK/2009/02</i>
Table 5.3	<i>Noise Monitoring Stations for Contract no. HY/2009/15</i>
Table 5.4	<i>Noise Monitoring Stations for Contract no. HY/2009/19</i>
Table 5.5	<i>Noise Monitoring Stations for Contract no. HY/2010/08</i>
Table 5.6	<i>Noise Monitoring Stations for Contract no. HY/2011/08</i>
Table 5.7	<i>Real Time Noise Monitoring Stations for Contract no. HY/2009/19</i>
Table 5.8	<i>Real Time Noise Monitoring Stations for Contract no. HY/2011/08</i>
Table 5.9	<i>Air Quality Monitoring Station for Contract no. HY/2009/18</i>
Table 5.10	<i>Air Quality Monitoring Station for Contract no. HK/2009/01</i>
Table 5.11	<i>Air Quality Monitoring Station for Contract no. HK/2009/02</i>
Table 5.12	<i>Air Quality Monitoring Stations for Contract no. HY/2009/15</i>
Table 5.13	<i>Air Quality Monitoring Station for Contract no. HY/2009/19</i>
Table 5.14	<i>Air Quality Monitoring Station for Contract no. HK/2012/08</i>
Table 5.15	<i>Air Quality Monitoring Stations for Contract no. HY/2010/08</i>
Table 5.16	<i>Air Quality Monitoring Stations for Contract no. HY/2011/08</i>
Table 5.17	<i>Details of Waste Disposal for Contract no. HK/2009/01</i>
Table 5.18	<i>Details of Waste Disposal for Contract no. HK/2009/02</i>
Table 5.19	<i>Details of Waste Disposal for Contract no. HY/2009/18</i>
Table 5.20	<i>Details of Waste Disposal for Contract no. HY/2009/15</i>
Table 5.21	<i>Details of Waste Disposal for Contract no. HY/2009/19</i>
Table 5.22	<i>Details of Waste Disposal for Contract no. HK/2012/08</i>
Table 5.23	<i>Details of Waste Disposal for Contract no. HY/2010/08</i>
Table 5.24	<i>Details of Waste Disposal for Contract no. HY/2011/08</i>
Table 8.1	<i>Summary of Environmental Inspections for Contract no. HY/2009/15</i>
Table 8.2	<i>Summary of Environmental Inspections for Contract no. HY/2009/18 (NOT USED)</i>
Table 8.3	<i>Summary of Environmental Inspections for Contract no. HY/2009/19 (NOT USED)</i>
Table 8.4	<i>Summary of Environmental Inspections for Contract no. HK/2009/01 (NOT USED)</i>
Table 8.5	<i>Summary of Environmental Inspections for Contract no. HK/2009/02</i>

Table 8.6	Summary of Environmental Inspections for Contract no. HK/2012/08
Table 8.7	Summary of Environmental Inspections for Contract no. HY/2010/08
Table 8.8	Summary of Environmental Inspections for Contract no. HY/2011/08)
Table 9.1	Cumulative Statistics on Complaints
Table 9.2	Cumulative Statistics on Successful Prosecutions
Table 10.1	Summary of Key Construction Activities of Individual Contract(s) to be commenced in Coming Reporting Month

LIST OF FIGURES

<u>Figure 2.1</u>	Project Layout
<u>Figure 2.2</u>	Project Organization Chart
<u>Figure 4.1</u>	Locations of Environmental Monitoring Stations

LIST OF APPENDICES

<u>Appendix 3.1</u>	Environmental Mitigation Implementation Schedule
<u>Appendix 4.1</u>	Action and Limit Level
<u>Appendix 4.2</u>	Copies of Calibration Certificates
<u>Appendix 5.1</u>	Monitoring Schedule for Reporting Month and Coming month
<u>Appendix 5.2</u>	Noise Monitoring Results and Graphical Presentations
<u>Appendix 5.3</u>	Air Quality Monitoring Results and Graphical Presentations
<u>Appendix 5.4</u>	Real-time Noise Monitoring Results and Graphical Presentations
<u>Appendix 6.1</u>	Event Action Plans
<u>Appendix 6.2</u>	Notification of Exceedance
<u>Appendix 9.1</u>	Complaint Log
<u>Appendix 10.1</u>	Construction Programme of Individual Contracts

EXECUTIVE SUMMARY

- i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – [March 2017](#) specific for Environmental Permit no. EP-364/2009/E, Further Environmental Permit nos. FEP-01/364/2009, FEP-02-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B, FEP-11/364/2009/E and FEP-12/364/2009/D. The EM&A report is prepared by the Environmental Team (ET) employed under Contract No. HK/2015/01 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 3). This report presents the environmental monitoring findings and information recorded during the period of [27 February 2017 to 26 March 2017](#).

- ii. The implementation of the Environmental Monitoring and Audit Programme for the Wan Chai Development phase II and Central-Wan Chai Bypass Project has been taken over by the Lam Geotechnics Limited (LGL) under Contract HK/2015/01 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 3) from 27 December 2015 in continuation of the previous Environmental Team employed under Contact HK/2011/07 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 2).

- iii. In the reporting month, the principal work activities of individual contracts are included as follows:
Contract no. HY/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009/A
 - [Drainage works](#)
 - [Road works](#)
 - [Landscaping works](#)
 - [Maintenance works](#)
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
 - [Reinstatement of amenity area](#)
 - [Road and Drain works](#)
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
 - [Defective works for Star Ferry Pier](#)
 - [Rectification works for cross road ducts](#)
 - [Rectification works for cracks/joints with water leakage inside OHVD cells](#)
 - [Removal works for ELS S1](#)
 - [Demolition works for Hung Hing Road Flyover abutment](#)
 - [Backfilling works](#)
 - [Temporary wall for construction of Hung Hing Road Flyover](#)
 - [Concreting mass concrete underneath Hung Hing Road Flyover](#)
 - [Delivery of precast concrete seawall block](#)

- Cleaning of cross road duct & carrier drain
- Rectification works against water leakage and remedial works against concrete defects of the tunnel structure
- Waterproofing laying work
- Concreting for base slab
- Removal of ELS layer S2 & S3
- Tunnel wall structure
- Concreting for roadside barrier
- Erection of scaffolding for construction of OHVD
- Excavation works for trial pit for the 132kV HK Electric Cables

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

- Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW
- Reinstatement of drainage pipes and manhole at TPCWAE

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

- Approach ramp sheet piling, pre-bored piling and top soil removal works
- Hing Fat Street modification works
- Bridge Demolition / Construction
- Hotel Carpark Reinstatement
- Bridge E noise barrier installation
- IEC noise enclosure/barrier installation
- Excavation / Construction of retaining wall

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

- Grouting
- Construction of MVB and CWB Tunnel and Slip Road 1
- Construction of drainage
- Back-filling at CWB tunnel

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009/B

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Construction works for subway extension

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

- Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building
- Construction of Tunnel Thermal Barrier
- Installation of Electricals and Mechanicals
- Installation of Tunnel Features

Noise Monitoring

- iv. 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 Financial Centre East Podium and International Finance Centre West Podium and M8 – City Hall on weekly basis in the reporting month.
- v. **No limit level exceedance was recorded in the reporting month.**
- vi. With respect to the shift in major construction site portions at Wan Chai North, the noise monitoring station M1a – Harbour Road Sports Centre was finely adjusted from East of Harbour Road Sports Centre to West of Harbour Road Sports Centre on 21 June 2016.
- vii. **With respect to the non-CWB Project building construction at Oil Street, the real-time noise monitoring station RTN2a- Hong Kong Electric Centre was finely adjusted from Northeast Side to Northwestern side at Roof Top location.**
- viii. **24-hour real time noise monitoring was conducted at RTN1 - FEHD Hong Kong Transport Section Whitfield Depot for construction activities at IEC bridge deck. No limit level exceedance was recorded in the reporting month.**
- ix. **24-hour real time noise monitoring was conducted at RTN2a – Hong Kong Electric Centre. No project related exceedance was recorded in the reporting month.**
- x. **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.**
- xi. **24-hour real time noise monitoring was conducted at RTN4 – Causeway Bay Community Centre. No limit level exceedance was recorded in the reporting month.**

Air Quality Monitoring

- xii. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted at CMA1b – Oil Street Site Office; CMA2a - Causeway Bay Community Center; CMA3a - CWB PRE Site Office Area; CMA4a – Society for the Prevention of Cruelty to Animals; CMA5b - Pedestrian Plaza; MA1e and MA1w – International Finance Centre eastern and western podium on every six days basis.
- xiii. With respect to the proposed demolition of eastern podium of Oil Street Site Office, the respective air quality monitoring station CMA1b – Oil Street Site Office was finely adjusted from East podium of the Oil Street Site Office to the West podium of the Oil Street Site Office on 21 December 2016.
- xiv. **One 1hr TSP limit level exceedance was recorded at CMA1b- Oil Street Site Office on 27 March 2017 in the reporting month. The exceedance was concluded to be non-Project related.**
- xv. **One 1hr TSP limit level exceedances were recorded at CMA4a – Society for the Prevention of Cruelty to Animals on 03 March 2017 in the reporting month. The exceedance was concluded to be non-Project related.**
- xvi. **One 24hr TSP limit level exceedance was recorded at CMA5b – Pedestrian Plaza on 02 March 2017 in the reporting month. The exceedance was concluded to be non-Project related.**
- xvii. **Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b –Pedestrian Plaza on 03 March 2017 in the reporting month. The exceedances were concluded to be non-Project related.**

Complaints, Notifications of Summons and Successful Prosecutions

- xviii. Three environmental complaints were received in the reporting month.
- xix. First ICC complaint referred by RSS was received by ET on 27 February 2017 (CASE#2-3521097579). The complainant reported that noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.

ET confirmed with the Resident Site Staff that no construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.

No construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.

Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

- xx. Second ICC complaint referred by RSS was received by ET on 06 March 2017 (CASE#2-3576157538). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.

The ICC complaint was subsequently referred to the EPD. EPD subsequently refer the same complaint case to the ET on 14 March 2017 (EPD Ref: H05/RS/0006240-17). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.

ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.

According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5

(West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.

Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

- xxi. Third ICC complaint referred by RSS was received by ET on 13 March 2017 (CASE#2-3603182890). The complainant reported that noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.

ET confirmed with the Resident Site Staff that no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017. Based on the information provided by the RSS, no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.

Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

- xxii. According to the information provided to the Environmental Team on 31 March 2017, four Summons to defendants were issued to the Contractor(s) of Contract HY/2009/19.
- xxiii. Two Summons to Defendant (Case No. ESS40680/2016 and Case No. ESS40679/2016) were issued to the Contractor(s) under Contract HY/2009/19 on 25 October 2016 regarding the case against Section 6(1)(b) and 6(5), Noise Control Ordinance Cap 400.
- xxiv. Two Summons to Defendant (Case No. ESS38444/2016 and Case No. ESS38443/2016) were issued to the Contractor(s) under Contract HY/2009/19 on 06 October 2016 regarding the case against (Regulations 4(1) and 4(2) of the Air Pollution Control (Construction Dust) Regulation made under section 43 of the Air Pollution Control Ordinance, Cap311.

Site Inspections and Audit

- i. The Environmental Team (ET) conducted weekly site inspections for Contract no. HY/2009/15, HY/2009/18, HY/2009/19, HY/2010/08, HK/2009/01, HK/2009/02, HK/2012/08 and HY/2011/08 in this reporting period.
- ii. Construction of bored pile E3B under HY/2009/17 was confirmed completed and the respective work area under FEP-03/364/2009 was handover and inspected under HY/2009/19 from 19 Dec 2012 onwards.
- iii. Construction works under HK/2010/06 was confirmed completed and the respective work area under FEP-08/364/2009/A was handover and inspected under HK/2012/08 from 22 Sep 2014 onwards.
- iv. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

Future Key Issues

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

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

- Drainage works
- Road works
- Landscaping works
- Maintenance works

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

- Reinstatement of amenity area
- Road and Drain works

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

- Rectification works for cross road ducts
- Rectification works for cracks/joints with water leakage inside OHVD cells
- Tunnel backfilling
- Construction of gabion wall
- Concreting blinding layer for Hung Hing Road flyover
- Rebar fixing for HHR flyover
- Remedial works of tunnel wall, base slab and OHVD
- General cleaning and rectification works of OHVD, tunnel base slab, carrier drain, cross road duct and manhole gully
- Rebar fixing and concreting of base slab and walls
- Waterproofing membrane laying works for side walls
- Removal works for ELS S2 & S3 layer
- Rebar fixing and concreting of roadside barrier
- Erect scaffolding for OHVD slab
- Rebar fixing and concreting of OHVD slab
- Excavation works for trial pit for the 132kV HK Electric cables.
- Construction of manhole for Wan Shing Street sewage work.

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

- Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW
- Reinstatement of drainage pipes and manhole at TPCWAE

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

- Approach ramp sheet piling, pre-bored piling and top soil removal works
- Hing Fat Street modification works
- Bridge Demolition / Construction
- Hotel Carpark Reinstatement
- Oil Street drainage works
- Bridge E noise barrier installation
- IEC noise enclosure/barrier installation
- Excavation / Construction of retaining wall

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

- Grouting
- Construction of Slip Road 1
- Construction of drainage
- Back-filling at CWB tunnel

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Construction works for subway extension

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

- Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building
- Construction of Tunnel Thermal Barrier
- Installation of Electricals and Mechanicals
- Installation of Tunnel Features

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/E and Further Environmental permit nos. FEP-01/364/2009, FEP-02-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B, FEP-11/364/2009/E and FEP-12/364/2009/D 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-041/2001).

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/E, Further Environmental Permit (FEP) nos. FEP-01/364/2009, FEP-02-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A FEP-07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B, FEP-11/364/2009/E and FEP-12/364/2009/D during the period [27 February 2017 to 26 March 2017](#).

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

2 PROJECT BACKGROUND

2.1 Background

2.1.1. “Wan Chai Development phase II and Central-Wan Chai Bypass” and “Central-Wan Chai Bypass and Island Eastern Corridor Link” (hereafter called “the Project”) are 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 (Completed)
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

Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date
HK/2009/02	Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East(CWB Tunnel)	DP1	26 April 2011
HY/2009/15	Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)	DP1,DP3	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 (Completed)
HK/2012/08	Wan Chai Development Phase II- Central-Wan Chai Bypass at Wan Chai West	DP1,DP2, DP3	10 March 2014
HY/2010/08	Central- Wanchai Bypass Tunnel – Tunnel (Slip Road 8)	DP1, DP2, DP3	21 March 2013
HY/2011/08	Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning	DP1	8 October 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	3912 3388	3912 3328
Chun Wo – Leader Joint Venture	Contractor under Contract no. HK/2009/01	Project Manager	Mr. Simon Liu	2162 9909	2587 1878
		Site Agent	Mr. Andy Yu	9648 4896	
		Construction Manager	Mr. Wyman Wong	9627 2467	
		Environmental Officer	Mr. Terry Tsang	6683 9394	



Party	Role	Post	Name	Contact No.	Contact Fax
Chun Wo – CRGL Joint Venture	Contractor under Contract no. HK/2009/02	Site Agent	Mr. K.K. Yuen	3658-3002	2827 9996
		Project Manager	Mr. Paul Yu	3658 3085	
		Environmental Officer	Mr. C.P. Ho	9191 8856	
Chun Wo - CRGL - MBEC_Joint Venture	Contractor under Contract no. HY/2009/19	Project Manager	Mr. Rayland Lee	3758 8879	2570 8013
		Deputy Project Manager	Mr. William Luk	9456 9819	
		Site Agent	Mr. David Lau	3758 8879	
		Deputy Site Agent	Mr. Eric Fong	6191 9337	
		Environmental Manager / Environmental Officer	Mr. M.H. Isa	3757 8218	
		Assistant Environmental Officer	Mr. Tom Ding	3757 8217	
Leighton Contractors (Asia) Limited	Contractor under Contract no. HY/2009/18	Site Agent	Mr. Jimmy Chu	3973 0803	2140 6799
		Environmental Officer	Mr. Chris Chan	3973 0885	
China State Construction Engineering (HK) Ltd.	Contractor under Contract no. HY/2009/15	Project Director	Mr. Chris Leung	3557 6393	2865 5229
		Site Manager	Mr. Y. Huo	3557 6368	2566 2192
		Contractor's Representative	Mr. Rex Lau	3557 6405	
		Environmental Officer	Mr. Andy Mak	3557 6347	
China State-Build King JV	Contractor under Contract no. HK/2012/08	Project Director	Mr. C.N. Lai	9137 1811	2877 1522
		Project Manager	Mr. Eddie Chung	9193 8871	
		Site Agent	Mr. Keith Tse	9095 7922	
		Environmental Officer	Mr. James MA	9130 9549	
		Environmental Supervisor	Mr. Y.L. Ho	6050 4919	
China State	Contractor under Contract no. HY/2010/08	Project Director	Chris Leung	9210 7116	2566 8061
		Site Agent	Mr. Francis Suen	3557 6407	
		Environmental Officer	Mr. Gabriel Wong	3557 6466	
		Environmental Supervisor	Mr. Desmond Ho	3557 6465	
Leighton Joint Venture	Contractor under Contract	Site Agent	Mr. Colman Wong	2823 1410	21406799



Party	Role	Post	Name	Contact No.	Contact Fax
	no. HY/2011/08	Environmental Officer	Mr. Malcolm Leung	3973 0850	
		Environmental Supervisor	Ms. Christy So	3973 1065	
Ramboll 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/2009/18 - Central - Wan Chai Bypass (CWB) - Central Interchange under FEP-05/364/2009/A

- Drainage works
- Road works
- Landscaping works
- Maintenance works

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

- Reinstatement of amenity area
- Road and Drain works

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

- Defective works for Star Ferry Pier
- Rectification works for cross road ducts
- Rectification works for cracks/joints with water leakage inside OHVD cells
- Removal works for ELS S1
- Demolition works for Hung Hing Road Flyover abutment
- Backfilling works
- Temporary wall for construction of Hung Hing Road Flyover
- Concreting mass concrete underneath Hung Hing Road Flyover
- Delivery of precast concrete seawall block
- Cleaning of cross road duct & carrier drain
- Rectification works against water leakage and remedial works against concrete defects of the tunnel structure
- Waterproofing laying work
- Concreting for base slab
- Removal of ELS layer S2 & S3
- Tunnel wall structure
- Concreting for roadside barrier
- Erection of scaffolding for construction of OHVD
- Excavation works for trial pit for the 132kV HK Electric Cables

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

- Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW
- Reinstatement of drainage pipes and manhole at TPCWAE

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

- Approach ramp sheet piling, pre-bored piling and top soil removal works
- Hing Fat Street modification works
- Bridge Demolition / Construction
- Hotel Carpark Reinstatement
- Bridge E noise barrier installation
- IEC noise enclosure/barrier installation
- Excavation / Construction of retaining wall

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

- Grouting
- Construction of MVB and CWB Tunnel and Slip Road 1
- Construction of drainage
- Back-filling at CWB tunnel

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

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

- Drainage works
- Road works
- Landscaping works
- Maintenance works

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

- Reinstatement of amenity area
- Road and Drain works

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

- Rectification works for cross road ducts
- Rectification works for cracks/joints with water leakage inside OHVD cells
- Tunnel backfilling
- Construction of gabion wall
- Concreting blinding layer for Hung Hing Road flyover
- Rebar fixing for HHR flyover
- Remedial works of tunnel wall, base slab and OHVD
- General cleaning and rectification works of OHVD, tunnel base slab, carrier drain, cross road duct and manhole gully
- Rebar fixing and concreting of base slab and walls
- Waterproofing membrane laying works for side walls
- Removal works for ELS S2 & S3 layer
- Rebar fixing and concreting of roadside barrier
- Erect scaffolding for OHVD slab
- Rebar fixing and concreting of OHVD slab
- Excavation works for trial pit for the 132kV HK Electric cables.
- Construction of manhole for Wan Shing Street sewage work.

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

- Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW
- Reinstatement of drainage pipes and manhole at TPCWAE

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

- Approach ramp sheet piling, pre-bored piling and top soil removal works
- Hing Fat Street modification works
- Bridge Demolition / Construction
- Hotel Carpark Reinstatement
- Oil Street drainage works
- Bridge E noise barrier installation
- IEC noise enclosure/barrier installation
- Excavation / Construction of retaining wall

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

- Grouting
- Construction of Slip Road 1
- Construction of drainage
- Back-filling at CWB tunnel

Contract no. HY/2010/08 –Central - Wan Chai Bypass (CWB) –Tunnel (Slip Road 8) under FEP-10/364/2009

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Utility diversion works,
- Retaining wall works
- ELS works,
- Construction works for subway extension

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

- Construction of Ventilation Buildings, inclusive of Administration Building, Central Ventilation Building, East Ventilation Shaft/Building, West Ventilation Building
- Construction of Tunnel Thermal Barrier
- Installation of Electricals and Mechanicals
- Installation of Tunnel Features

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	Superseded
Environmental Permit	EP-364/2009/C	11 Jul 2014	Superseded
Environmental Permit	EP-364/2009/D	24 Nov 2015	Superseded
Environmental Permit	EP-364/2009/E	22 Dec 2016	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	Surrendered
Further Environmental Permit	FEP-06/356/2009	5 March 2013	Valid
Further Environmental Permit	FEP-07/356/2009	26 July 2013	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	Surrendered
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	Superseded
Further Environmental Permit	FEP-07/364/2009/D	24 Nov 2015	Valid

Further Environmental Permit	FEP-08/364/2009/A	15 June 2012	Surrendered
Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	Valid
Further Environmental Permit	FEP-10/364/2009/B	26 July 2013	Valid
Further Environmental Permit	FEP-11/364/2009/B	2 May 2014	Superseded
Further Environmental Permit	FEP-11/364/2009/E	22 Dec 2016	Valid
Further Environmental Permit	FEP-12/364/2009/D	01 Aug 2016	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. The construction works was completed and the FEP-03/364/2009 was surrendered by the Contractor on 28 March 2013.

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-04/HY/2006 was surrendered by the Contractor on 11 February 2011.

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

3.1.5. The construction works was completed, and the FEP-08/364/2009/A was surrendered by the Contractor on 3 October 2014.

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

3.1.6. 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 3.2** and **Table 3.3**.

Table 3.2 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-pilling equipment	GW-RS1004-16	28 Sep 2016	29 Sep 2016 to 27 Mar 2017	Valid
	GW-RS1079-16	27 Oct 2016	27 Oct 2016 to 20 Apr 2017	Valid
	GW-RS1241-16	12 Dec 2016	15 Dec 2016 to 06 Jun 2017	Valid
	GW-RS1240-16	12 Dec 2016	13 Dec 2016 to 06 Jun 2017	Valid
	GW-RS1233-16	12 Dec 2016	14 Dec 2016 to 06 Jun 2017	Valid
	GW-RS1234-16	12 Dec 2016	20 Dec 2016 to 19 Jun 2017	Valid
Discharge License	WT00024952-2016	06 Jul 2016	31 Jul 2021	Valid
	WT00021138-2015	17 Mar 2014	31 Mar 2020	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 3.3 Summary of submission status under FEP-02/364/2009

EP Condition	Submission	Date of Submission
Condition 2.7 & 2.8	Works Schedule and Location Plan	18 May 2011
Condition 2.6	Environmental Management Organization Chart	18 May 2011
Condition 1.12	Commencement Date of Works	20 Jun 2011
Condition 2.9	Noise Management Plan	10 Jun 2011
Condition 2.11	Landscape Plan (Rev.4)	8 July 2015

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

- 3.1.7. 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 3.4** and **Table 3.5**.

Table 3.4 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02

Permits and/or Licenses	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-RS0926-16	05 Sep 2016	07 Sep 2016 to 04 Mar 2017	Cancelled
	GW-RS0985-16	19 Sep 2016	20 Sep 2016 to 18 Mar 2017	Cancelled
	GW-RS1153-16	17 Nov 2016	18 Nov 2016 to 13 May 2017	Cancelled
	GW-RS1047-16	13 Oct 2016	26 Oct 2016 to 25 Apr 2017	Valid
	GW-RS1140-16	11 Nov 2016	14 Nov 2016 to 09 May 2017	Valid
	GW-RS1297-16	15 Dec 2016	16 Dec 2016 to 14 Jun 2017	Valid
	GW-RS1305-16	22 Dec 2016	24 Dec 2016 to 13 Jun 2017	Valid

Permits and/or Licenses	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Water Discharge License	WT00022295-2015	12 Aug 2015	31 July 2020	Valid
	WT00025276-2016	19 Sep 2016	31 July 2021	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 3.5 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 1.12	Commencement Date of Works	21 Jun 2011
Condition 2.11	Landscape Plan (Revision B)	20 Nov 2012
Condition 2.9	Noise Management Plan (Revision B)	13 Jan 2012

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

3.1.8. 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 3.6** and **Table 3.7**.

Table 3.6 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-RS1164-16	17 Nov 2016	1 Dec 2016 to 31 Mar 2017	Cancelled
	GW-RS1161-16	17 Nov 2016	1 Dec 2016 to 31 Mar 2017	Valid
	GW-RS1307-16	21 Dec 2016	23 Dec 2016 to 30 Apr 2017	Valid
	GW-RS1338-16	28 Dec 2016	01 Jan 2017 to 30 Jun 2017	Valid
Discharge Licenses	WT00013967-2012	17 Sep 2012	30 Sep 2017	Cancelled
	WT00014966-2013	08 Jan 2013	31 Jan 2018	Cancelled
	WT00020725-2015	14 Jan 2015	30 Jul 2017	Valid
	WT00024255-2016	18 May 2016	31 Jan 2021	Valid
Registration as a Chemical Waste Producer	WPN: 8335-121-L1048-04	17 Dec 2010	N/A	Registration completed
Billing Account under Waste Disposal Ordinance (Land)	Account No.: 7011587	11 Oct 2010	Account approved	Valid

Table 3.7 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. 6)	19 May 2014

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

3.1.9. 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 3.8** and **Table 3.9**.

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

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-06/364/2009/A	22 Nov 2010	N/A	Valid
	FEP-04/356/2009	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-RS0884-16	23 Aug 2016	08 Sep 2016 to 07 Mar 2017	Expired
	GW-RS0886-16	23 Aug 2016	09 Sep 2016 to 08 Mar 2017	Expired
	GW-RS0889-16	23 Aug 2016	11 Sep 2016 to 10 Mar 2017	Expired
	GW-RS1174-16	18 Nov 2016	24 Nov 2016 to 23 May 2017	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	N/A	Valid
Water Discharge Licence (Discharge at TPCWAW)	WT00020601-2014	18 Mar 2015	18 Mar 2015 to 31 Mar 2017	Valid
Water Discharge License (Discharge at TS1)	WT00024874-2016	20 Jul 2016	20 Jul 2016 to 31 Mar 2021	Valid

Table 3.9 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
Condition 2.9	Noise Management Plan	6 May 2011
Condition 2.10	Landscape Plan (Rev.3)	30 Jan 2015

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

3.1.10. The current status on licences and/or permits on environmental protection pertinent and submission under FEP-07/364/2009/D for contract no. HY/2009/19 are shown in **Table 3.10** and **Table 3.11**.

Table 3.10 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/19

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
	FEP-07/364/2009/D	24 Nov 2015	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 Permits (CNP) for non-piling equipment	GW-RS1251-16	07 Dec 2016	18 Dec 2016 to 17 Jun 2017	Valid
	GW-RS1372-16	06 Jan 2017	11 Jan 2017 to 07 Apr 2017	Valid
Water Discharge License	WT00010865-2011	03 Nov 2011	30 Nov 2016	Cancelled
Dumping Permit (Approach Ramp) (Type 1 – Open Sea Disposal)	EP/MD/17-078	01 Oct 2016	31 Mar 2017	Valid

Table 3.11 Summary of submission status under FEP-07/364/2009/D

EP Condition	Submission	Date of Submission
Condition 2.13	Landscape Plan (Rev.5)	09 December 2016
Condition 2.9	Noise Management Plan (Rev.4)	15 February 2016

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-12/364/2009/D for contract no. HK/2012/08 showed in **Table 3.12 and Table 3.13.**

Table 3.12 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 Mar 2013	N/A	Valid
	FEP-12/364/2009/D	1 Aug 2016	N/A	Valid
	FEP-06/356/2009	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	30 Jun 2016	N/A	Valid
Billing Account under Waste Disposal Ordinance	7016883	18 Feb 2013	18 Jul 2017	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS1336-16	29 Dec 2016	13 Jan 2017 to 12 Jul 2017	Valid
	GW-RS1371-16	5 Jan 2017	9 Jan 2017 to 8 Jul 2017	Valid
	GW-RS0098-17	1 Feb 2017	26 Feb 2017 to 25 Aug 2017	Valid
Water Discharge Licence	WT00018223-2014	28 Jan 2014	31 Jan 2019	Cancelled
	WT00020594-2014	22 Dec 2014	31 Jan 2019	Valid

Table 3.13 Summary of submission status under FEP-12/364/2009/D

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.2)	9 July 2013
Condition 2.14	Landscape Plan (Rev.4)	24 August 2015

Contract no. HY/2010/08 –Central – Wanchai Bypass Tunnel – Tunnel (Slip Road 8)

3.1.12. The current status on licences and/or permits on environmental protection pertinent and submission under FEP-10/364/2009/B for contract no. HK/2012/08 showed in **Table 3.14 and Table 3.15.**

Table 3.14 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2010/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-10/364/2009/B	26 Jul 2013	NA	Valid
	FEP-07/356/2009	26 Jul 2013	NA	Valid
Notification of Works Under APCO	357176	2013-04-02	NIL	Valid
Registration as a Chemical Waste Producer	WPN5213-147-C1169-44	2013-03-27	NIL	Valid
Billing Account under Waste Disposal Ordinance	7017170	2013-03-27	NIL	Valid
Water Discharge License	WT0001651-2013	2013-07-09	2018-07-28	Cancelled
	WT00020468-2014	2014-12-03	2018-07-31	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS1232-16	08 Dec 2016	08 Dec 2016 to 01 June 2017	Cancelled
	GW-RS1194-16	30 Nov 2016	30 Nov 2016 to 24 May 2017	Cancelled
	GW-RS1129-16	24 Nov 2016	24 Nov 2016 to 22 May 2017	Cancelled
	GW-RS0977-16	21 Sep 2016	15 Nov 2016 to 14 May 2017	Cancelled
	GW-RS0029-17	19 Jan 2017	19 Jan 2017 to 02 Jul 2017	Cancelled
	GW-RS0969-16	23 Nov 2016	23 Nov 2016 to 22 May 2017	Valid
	GW-RS0971-16	19 Sep 2016	22 Oct 2016 to 20 Apr 2017	Valid
	GW-RS1182-16	29 Nov 2016	30 Nov 2016 to 24 May 2017	Valid
	GW-RS0930-16	19 Sep 2016	19 Sep 2016 to 16 Mar 2017	Expired
	GW-RS1254-16	10 Dec 2016	10 Dec 2016 to 07 Jun 2017	Valid

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0086-17	31 Jan 2017	31 Jan 2017 to 30 Jul 2017	Valid
	GW-RS0092-17	31 Jan 2017	31 Jan 2017 to 31 Jul 2017	Valid
	GW-RS0134-17	22 Feb 2017	23 Feb 2017 to 19 Aug 2017	Valid
	GW-RS0562-16	28 Oct 2016	28 Oct 2016 to 26 Apr 2017	Valid

Table 3.15 Summary of submission status under FEP-10/364/2009/B

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.3)	03 January 2014
Condition 2.14	Landscape Plan (Rev.2)	19 May 2014
Condition 2.16	Additional Mitigation Plan (Rev.2)	18 February 2015

Contract no. HY/2011/08 –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

3.1.13. The current status on licenses and/or permits on environmental protection pertinent and submission under FEP-11/364/2009/E for contract no. HY/2011/08 showed in **Table 3.16 and Table 3.17.**

Table 3.16 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2011/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-11/364/2009/B	2 May 2014	N/A	Valid
	FEP-11/364/2009/E	22 Dec 2014	N/A	Valid
Notification of Works Under APCO	LCAC-EN-LE-00017	7 Mar 2014	N/A	Valid
Registration as a Chemical Waste Producer	5213-121-L2837-01	19 Apr 2016	N/A	Registered
	5213-151-L2837-02	24 May 2016	N/A	Registered
	5213-134-L2898-01	16 Nov 2015	N/A	Registered
Billing Account under Waste Disposal Ordinance	7019640	27 Mar 2014	N/A	Valid
Construction Noise Permit (CNP) for non-piling equipment	GW-RS0892-16	25 Aug 2016	1 Sep 2016 to 28 Feb 2017	Cancelled
	GW-RS0891-16	25 Aug 2016	1 Sep 2016 to 28 Feb 2017	Expired
	GW-RS1089-16	28 Oct 2016	01 Nov 2016 to 30 Apr 2017	Valid
	GW-RS1151-16	17 Nov 2016	01 Dec 2016 to 31 May 2017	Valid
	GW-RS1168-16	17 Nov 2016	01 Dec 2016 to 31 May 2017	Valid
	GW-RS1169-16	18 Nov 2016	18 Nov 2016 to 30 Apr 2017	Valid
	GW-RS1178-16	17 Nov 2016	01 Dec 2016 to 31 May 2017	Valid
	GW-RS1134-16	28 Dec 2016	01 Jan 2017 to 30 Jun 2017	Valid
	GW-RS1137-16	28 Dec 2016	01 Jan 2017 to 30 Jun 2017	Valid
	GW-RS0068-17	24 Jan 2017	01 Feb 2017 to 31 Jul 2017	Valid
	GW-RS0100-17	1 Feb 2017	03 Feb 2017 to 31 Jul 2017	Valid
GW-RS0139-17	23 Feb 2017	01 Mar 2017 to 31 Aug 2017	Valid	

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0146-17	23 Feb 2017	01 Mar 2017 to 31 Aug 2017	Valid
	GW-RS0260-17	27 Mar 2017	29 Mar 2017 - 31 Aug 2017	Valid
Water Discharge Licence	WT00020242-2014	04 Nov 2014	30 Nov 2019	Cancelled
	WT00022046-2015	15 Jul 2015	31 Jul 2019	Valid
	WT00022753-2015	3 May 2016	30 Apr 2021	Valid
	WT00024561-2016	30 May 2016	31 May 2021	Valid
	WT00022046-2015	15 Jul 2015	31 Jul 2019	Valid

Table 3.17 Summary of submission status under FEP-11/364/2009/E

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev.4)	08 November 2016
Condition 2.14	Landscape Plan (Rev.2)	18 Feb 2015
Condition 2.13 a)	Operational Air Quality Management Plan for West Ventilation Building (Rev.0)	25 Nov 2014
Condition 2.13 b)	Operational Air Quality Management Plan for Central Ventilation Building (Rev.0)	03 March 2017
Condition 2.13 c)	Operational Air Quality Management Plan for East Ventilation Building and East Vent Shaft (Rev.0)	18 Feb 2015
Condition 2.13 d)	Operational Air Quality Management Plan for an Electrostatic Precipitator system for EVB Operation (Rev.0)	06 April 2017
Condition 2.13 e)	Operational Air Quality Management Plan for ventilation system of Eastern Portal of the CWB Tunnel (Rev.0)	23 October 2016

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-day 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. 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	Hong Kong 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

- 4.1.3. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq(30 \text{ minutes})}$ shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods, $L_{eq(5 \text{ minutes})}$ shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.
- 4.1.4. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
- One set of measurements between 0700 and 1900 hours on normal weekdays.
- 4.1.5. 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 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.
- 4.1.6. 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

- 4.1.7. As referred to in the Technical Memorandum TM 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.
- 4.1.8. 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.
- 4.1.9. 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.

4.2 Air Quality Monitoring

AIR QUALITY MONITORING STATIONS

4.2.1. The air quality 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 Quality Monitoring Stations

Station ID	Monitoring Location	Description
CMA1b	Oil Street Site Office**	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
CMA5b	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.

Remarks**: The location ID of monitoring station CMA1b was updated as “Oil Street Site Office” in April 2013.

Remarks***: The station ID and monitoring location was updated in December 2014 with respect to monitoring station relocation.

AIR QUALITY 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 m³ 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 cm²;
- 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 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)
- Contract no. HY/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange
- Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link
- Contract no. HY/2010/08 – Central- Wanchai Bypass Tunnel (Slip Road 8 Section)
- 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/2012/08 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai West
- Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB)– Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

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/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

5.1.2 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 5.1** below:

Table 5.1 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

5.1.3 No action or limit level exceedance was recorded in this 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. 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

5.1.5 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 5.2** below.

Table 5.2 Noise Monitoring Station for Contract no HK/2009/01 and HK/2009/02

Station	Description
M1a	Harbour Road Sports Centre

5.1.6 No action or limit level exceedance was recorded in this 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. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section) under FEP-06/364/2009/A

- 5.1.8 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 5.3** below.

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

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

- 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/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link under FEP-07/364/2009/D

- 5.1.11 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 5.4** below.

Table 5.4 Noise Monitoring Stations for Contract no. HY/2009/19

Station	Description
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

- 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**. Details of the Notification of Exceedance can be referred in **Appendix 6.2**.

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Raod 8 Section) under FEP-12/364/2009/D

5.1.14 The commencement of construction works for Contract no. HY/2010/08 under FEP-10/364/2009/B was on 02 September 2013. Noise monitoring was commenced on 02 September 2013. The proposed divisions of noise monitoring stations are summarized in **Table 5.5** below.

Table 5.5 Noise Monitoring Stations for Contract no. HY/2010/08

Station	Description
M3a	Tung Lo Wan Fire Station

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

5.1.16 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/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

5.1.17 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/2011/08 are summarized in **Table 5.6** below:

Table 5.6 Noise Monitoring Stations for Contract no. HY/2011/08

Station	Description
M4b	Victoria Centre
*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

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

5.1.19 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**.

5.2 Real Time Noise Monitoring Results

- 5.2.1. Real time noise monitoring at RTN4-Causeway Bay Community Centre was commenced on 13 Jan 2013. The baseline noise level of RTN4- Causeway Bay Community Centre has adopted the results from the baseline noise monitoring report for EP/364/2009 in 22 April 2010 in which approved by EPD.
- 5.2.2. Po Leung Kuk Yu Lee Mo Fan Memorial School granted permission for set up on 4 Sep 2012 and real time noise monitoring station RTN3 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. Real time noise monitoring at RTN3 – Po Leung Kuk Yu Lee Mo Fan Memorial School was commenced since 06 Oct 2012.
- 5.2.3. Real-time noise monitoring station 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 Hong Kong Electric Centre from 4 December 2009 to 17 December 2009.
- 5.2.4. Real-time noise monitoring station RTN1-FEHD Whitfield Depot was finely adjusted from 2/F to roof-top at FEHD Whitfield Depot on 24 June 2013 with respect to the commencement of advance works for IEC parapet demolition.

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

- 5.2.5. 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	Hong Kong 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 restrict hours and night time period are for information only and noise during CNP period shall be controlled under NCO.

- 5.2.6. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.
- 5.2.7. Limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre on 27, 28 February and 01, 02 and 03 March 2017 during daytime in the reporting month. After checking with Contractor of HY/2009/19, sheet piling, pre bored drilling and breaking works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and temporary

noise barrier was generally implemented and breaking works was conducted behind physical building structure while building construction works with breaking and hammering works under non-CWB private development site at Oil Street was conducted at the building level adjacent to the noise monitoring station and were considered as the major noise contribution across the monitoring period. As such, the exceedances were considered as non-Project related.

- 5.2.8. No limit level exceedances were recorded at RTN3- Yu Lee Mo Fan Memorial School in the reporting month.
- 5.2.9. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre in the 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.**

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

- 5.2.11. The proposed division of noise monitoring stations are summarized in **Table 5.8** below. Real time noise monitoring for major construction works under contract no. HY/2011/08 was commenced on 19 March 2015.

Table 5.8 Real Time Noise Monitoring Stations for Contract no. HY/2011/08

Location ID	District	Description
RTN1	Tin Hau	FEHD Hong Kong Transport Section Whitfield Depot
RTN2a	North Point	Hong Kong Electric Centre
RTN4	Tin Hau	Causeway Bay Community Centre

** Real time noise monitoring results and graphical presentation during restrict hours and night time period are for information only and noise during CNP period shall be controlled under NCO.*

- 5.2.12. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.
- 5.2.13. Limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre on 27, 28 February and 01, 02 and 03 March 2017 during daytime in the reporting month. After checking with Contractor of HY/2011/08, formworks, bar fixing and concreting works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and no particular noise was considered for the works while building construction works with breaking and hammering works under non-CWB private development site at Oil Street was conducted at the building level adjacent to the noise monitoring station and were considered as the major noise contribution across the monitoring period. As such, the exceedances were considered as non-Project related.



- 5.2.14. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.

5.3 Air Quality Monitoring Results

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

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

Table 5.9 Air Quality 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)

5.3.2 No exceedance was recorded in the reporting month.

5.3.3 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality 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

5.3.4 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 quality monitoring stations are summarized in **Table 5.10** below.

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

Station	Description
CMA5b	Pedestrian Plaza

5.3.5 One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.

5.3.6 No construction works was undertaken on 02 March 2017 around Pedestrian Plaza under Contract HK/2009/01, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

5.3.7 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.

5.3.8 No construction works was undertaken on 03 March 2017 around Pedestrian Plaza under Contract HK/2009/01, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially

contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

5.3.9 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality 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

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

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

Station	Description
CMA4a	Society for the Prevention of Cruelty to Animals

5.3.11 One 1hr TSP limit level exceedance was recorded at CMA4a on 03 March 2017.

5.3.12 Despite backfilling works at Portion 3&4 and tunnel structure works at Portion 5 were conducted on 03 March 2017 on the monitoring date around the monitoring station under Contractor of HK/2009/02, dust suppression measure including covering of stockpile and watering for haul road and during loading and unloading of material were implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and the observed renovation works next to the monitoring station.

5.3.13 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality 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

5.3.14 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 quality monitoring stations are summarized in **Table 5.12** below.

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

Station	Description
CMA3a	CWB PRE Site Office

5.3.15 No exceedance was recorded in the reporting month.

5.3.16 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality 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/D

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

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

Station	Description
CMA1b	Oil Street Site Office
CMA2a	Causeway Bay Community Centre

5.3.18 One 1hr TSP limit level exceedance was recorded at CMA1b on 27 March 2017.

5.3.19 No construction works was undertaken under Contract HY/2009/19 on the monitoring date at around Oil Street Site Office while the haul road around the concerned location was observed maintained in dampened condition and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.

5.3.20 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3.**

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

5.3.21 The commencement of construction works for Contract no. HK/2012/08 under FEP-09/364/2009/B was on May 2014. Air quality monitoring was commenced on 25 August 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.14** below.

Table 5.14 Air Quality Monitoring Station for Contract no. HK/2012/08

Station	Description
CMA5b	Pedestrian Plaza

5.3.22 One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.

5.3.23 Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition was implemented and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and

other sources affecting local ambient condition such as road traffic next to the monitoring station.

5.3.24 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.

5.3.25 Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition was implemented and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

5.3.26 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

Contract no. HY/2010/08 – Central-Wanchai Bypass –Wanchai Bypass Tunnel (Slip Road 8 Section) under FEP-12/364/2009/D

5.3.27 The commencement of construction works for Contract no. HY/2010/08 under FEP-12/364/2009/D was on July 2014. Air quality monitoring was commenced on 14 July 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.15** below.

Table 5.15 Air Quality Monitoring Station for Contract no. HY/2010/08

Station	Description
CMA3a	CWB PRE Site Office

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

Contract no. HY/2011/08 – Central - Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning

5.3.29 Air quality monitoring for the Central Interchange works under contract no. HY/2011/08 was commenced on 21 April 2011. The proposed division of air quality monitoring stations are summarized in **Table 5.16** below.

Table 5.16 Air Quality Monitoring Stations for Contract no. HY/2011/08

Station	Description
MA1e	International Finance Centre (Eastern End of Podium)
MA1w	International Finance Centre (Western End of Podium)
CMA1b	Oil Street Site Office

Station	Description
CMA2a	Causeway Bay Community Centre
CMA5b	Pedestrian Plaza

- 5.3.30 One 1hr TSP limit level exceedance was recorded at CMA1b on 27 March 2017.
- 5.3.31 Concrete and bar fixing works was undertaken under Contract HY/2011/08 on the monitoring date at around Oil Street Site Office while regular water spraying on ground was generally implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.
- 5.3.32 One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.
- 5.3.33 Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.
- 5.3.34 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.
- 5.3.35 Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.
- 5.3.36 Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in **Appendix 5.3**.

5.4 Waste Monitoring Results

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

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

Table 5.17 Details of Waste Disposal for Contract no. HK/2009/01

Waste Type	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	17.4	107943.42	TKO137, TM38
Inert C&D materials recycled, m ³	Nil	98512.03	N/A
Non-inert C&D materials disposed, m ³	24.48	5255.46	SENT Landfill
Non-inert C&D materials recycled, kg	Nil	1285746	N/A
Chemical waste disposed, kg	Nil	10400	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m ³	Nil	11527	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m ³	Nil	16261	East of Cha Chau South Brothers

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

5.4.2. 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 5.18**.

Table 5.18 Details of Waste Disposal for Contract no. HK/2009/02

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	292	521895.412	TKO137 / TM 38
Inert C&D materials recycled, m ³	Nil	46520	N/A
Non-inert C&D materials disposed, m ³	118	4197.317	SENT Landfill
Non-inert C&D materials recycled, m ³	Nil	N/A	N/A
Chemical waste disposed, kg	Nil	17718	N/A
Marine Sediment (Type 1 – Open Sea Disposal) , m ³	Nil	65663	South Cheung Chau

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

5.4.3. 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 5.19**.

Table 5.19 Details of Waste Disposal for Contract no. HY/2009/18

Waste Type	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	199.39	1415055.04 ¹	T.K.O. 137, TM 38
Inert C&D materials recycled, m ³	Nil	58787.05	N/A
Non-inert C&D materials disposed, m ³	8.04	4357.54	SENT Landfill
Non-inert C&D materials recycled, ton	Nil	878.37	N/A
Chemical waste disposed, kg	Nil	6772	N/A

Remarks 1. : The cumulative amount of inert C&D material disposed has been updated in the reporting period.

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

5.4.4. Inert & 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. HY/2009/15

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	Nil	625200.92	Tuen Mun Area 38
	Nil	245453.3	TKO137 FB
Inert C&D materials recycled, m ³	Nil	358660.77	HY/2009/11 ex-PCWA TS4 /TS2 WDII Lun Ku Tan WENT HY/2010/08
Non-inert C&D materials disposed, m ³	0.81	4673.91	SENT Landfill
	Nil	1.58	WENT Landfill
Non-inert C&D materials recycled, m ³	Nil	5496446.2	Xun Xiang Metalware Skylight Recycle (paper)
Chemical waste disposed, kg	Nil	22755	Dunwell Group
Marine Sediment (Type1-Open Sea Disposal (Dedicate Sites) &Type 2 – Confined Marine Disposal), m ³	Nil	5684	South of the Brothers

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

5.4.5. 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. HY/2009/19

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, ton	2043.94	675848.78	TM38
Inert C&D materials recycled, ton	Nil	82349.7	N/A
Non-inert C&D materials disposed, ton	81.72	5623.04	SENT Landfill
Non-inert C&D materials recycled, ton	Nil	565.63	N/A
Chemical waste disposed, kg	Nil	10.15	N/A
Marine Sediment (Tunnel) (Type-1 Open Sea Disposal), m³	Nil	20556	South of Cheung Chau
Marine Sediment (Tunnel) (Type 1- Open Sea Disposal (Dedicated Sites) & Type 2 – Confined Marine Disposal), m³	Nil	30751	East of Sha Chau

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

5.4.6. 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 5.22**.

Table 5.22 Details of Waste Disposal for Contract no. HK/2012/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	301	182266	TKO 137
	Nil	116668	TM38
Inert C&D materials recycled, m ³	Nil	Nil	N/A
Non-inert C&D materials disposed, m ³	880	6682	SENT
Non-inert C&D materials recycled, m ³	Nil	Nil	N/A
Chemical waste disposed, kg	Nil	Nil	N/A
Marine sediment (Type 1) disposal, m ³	Nil	3145	South of Cheung Chau / East of Sha Chau / South of The Brothers

Remarks: The quantity of inert C&D material disposed, recycled, non-inert C&D material disposed, recycled are reported up to calendar month of March 2017.

Contract no. HY/2010/08 Central – Wan Chai Bypass (CWB) – Tunnel (Slip Road 8) under FEP-10/364/2009/B

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 5.23**.

Table 5.23 Details of Waste Disposal for Contract no. HY/2010/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	5.4	578144.87	TM 38
	Nil	262656.6	WENT
	Nil	82911.8	SENT
	49.7	72547.39	TKO area 137
Inert C&D materials recycled, m ³	Nil	Nil	N/A
Non-inert C&D materials disposed, m ³	221	3988.53 ¹	SENT
Non-inert C&D materials recycled, m ³	Nil	Nil	N/A
Chemical waste disposed, kg	Nil	979	N/A
Type 1 – Open Sea Disposal, m ³	Nil	16368.4	East Sha Chau/ South Brothers Island
Type 2 – Confined Marine disposal, m ³	Nil	549.2	East Sha Chau

Remarks 1. The cumulative amount of non-inert C&D material disposed has been clarified in the reporting period.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

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 5.24**.

Table 5.24 Details of Waste Disposal for Contract no. HY/2011/08

Waste Type*	Quantity this month	Cumulative-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m ³	16.78	662.11	CWPF & TKO137
Inert C&D materials recycled, m ³	Nil	Nil	N/A
Non-inert C&D materials disposed, m ³	211.34	2160.23	SENT
Non-inert C&D materials recycled, ton	Nil	31.72	N/A
Chemical waste disposed, kg	Nil	3800	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/2009/18 – Central – Wan Chai Bypass (CWB) – Central Interchange under FEP-05/364/2009/A

6.1.1. 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

6.1.2. 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

6.1.3. 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

6.1.4. 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/D

6.1.5. No exceedance was recorded in the reporting month.

Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Raod 8 Section) under FEP-10/364/2009/B

6.1.6. No exceedance was recorded in the reporting month.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

6.1.7. No exceedance was recorded in the reporting month.

Real Time Noise Monitoring

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

- 6.1.8. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.
- 6.1.9. Limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre on 27, 28 February and 01, 02 and 03 March 2017 during daytime in the reporting month. After checking with Contractor of HY/2009/19, sheet piling, pre bored drilling and breaking works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and temporary noise barrier was generally implemented and breaking works was conducted behind physical building structure while building construction works with breaking and hammering works under non-CWB private development site at Oil Street was conducted at the building level adjacent to the noise monitoring station and were considered as the major noise contribution across the monitoring period. As such, the exceedances were considered as non-Project related.
- 6.1.10. No limit level exceedances were recorded at RTN3- Yu Lee Mo Fan Memorial School in the reporting month.
- 6.1.11. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre in the reporting month.

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/EF

- 6.1.12. No limit level exceedance was recorded at RTN1-FEHD Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.
- 6.1.13. Limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre on 27, 28 February and 01, 02 and 03 March 2017 during daytime in the reporting month. After checking with Contractor of HY/2011/08, formworks, bar fixing and concreting works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and no particular noise was considered for the works while building construction works with breaking and hammering works under non-CWB private development site at Oil Street was conducted at the building level adjacent to the noise monitoring station and were considered as the major noise contribution across the monitoring period. As such, the exceedances were considered as non-Project related.
- 6.1.14. No limit level exceedance was recorded at RTN4- Causeway Bay Community Centre Hong Kong Transport Section Whitfield Depot was recorded in the reporting month.

6.2 Air Quality Monitoring

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

6.2.1. 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

6.2.2. One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.

6.2.3. No construction works was undertaken on 02 March 2017 around Pedestrian Plaza under Contract HK/2009/01, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

6.2.4. Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.

No construction works was undertaken on 03 March 2017 around Pedestrian Plaza under Contract HK/2009/01, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

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

6.2.5. One 1hr TSP limit level exceedance was recorded at CMA4a on 03 March 2017.

6.2.6. Despite backfilling works at Portion 3&4 and tunnel structure works at Portion 5 were conducted on 03 March 2017 on the monitoring date around the monitoring station under Contractor of HK/2009/02, dust suppression measure including covering of stockpile and watering for haul road and during loading and unloading of material were implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and the observed renovation works next to the monitoring station.

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

6.2.7. 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/D

- 5.3.37 One 1hr TSP limit level exceedance was recorded at CMA1b on 27 March 2017.
- 5.3.38 No construction works was undertaken under Contract HY/2009/19 on the monitoring date at around Oil Street Site Office while the haul road around the concerned location was observed maintained in dampened condition and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-12/364/2009/D

- 5.3.39 One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.
- 5.3.40 Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition was implemented and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.
- 5.3.41 Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.
- 5.3.42 Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition was implemented and no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

Contract no. HY/2010/08 – Central-Wanchai Bypass – Tunnel (Slip Road 8 Section) under FEP-10/364/2009/B

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

Contract no. HY/2011/08 Central –Central - Wan Chai Bypass (CWB) –Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP-11/364/2009/E

- 6.2.9. One 1hr TSP limit level exceedance was recorded at CMA1b on 27 March 2017.
- 6.2.10. Concrete and bar fixing works was undertaken under Contract HY/2011/08 on the monitoring date at around Oil Street Site Office while regular water spraying on ground was generally implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.
- 6.2.11. One 24hr TSP limit level exceedance was recorded at CMA5b on 02 March 2017.
- 6.2.12. Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.
- 6.2.13. Two 1hr TSP action level exceedances and one 1hr TSP limit level exceedance were recorded at CMA5b on 03 March 2017.
- 6.2.14. Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. The exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station.

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 and monitoring in the reporting period. The observations and recommendations made in each individual site audit session were presented in Section 8.

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 and monitoring in the reporting period.

7 CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS

- 7.0.1. According to Condition 3.4 of the EP-364/2009/E, 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 Final EM&A Report of Central Reclamation Phase III (CRIII) for Contract HK 12/02, the major construction activities were completed by end of January 2014 and no construction activities were undertaken thereafter and the water quality monitoring was completed in October 2011. As such, it is considered that there were no cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) undertaken by contractor HK12/02 in the reporting month.
- 7.0.3. According to the construction programme of Central-Wanchai Bypass at Wanchai West at the Central Reclamation Phase III area include road works, backfilling works and reinstatement of Culvert and Cooling mains were performed in March 2017 reporting month. As no project related exceedance were recorded during the reporting period, cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was considered as insignificant.
- 7.0.4. According to the construction programme of Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects, the major construction activities under Wan Chai Development Phase II were, road and drains construction, backfilling works, and tunnel works at Wan Chai West, tunnel construction, backfilling works, road and drains works at Wan Chai West and Wan Chai East. The major construction activities under Central-Wan Chai Bypass and Island Eastern Corridor Link Projects were drainage works and ventilation building construction at Central; backfilling and temporary reclamation removal works at Causeway Bay road works and side wall construction at Victoria Park; reinstatement of Eastern Breakwater and bridge demolition, noise enclosure installation, piling works and tunnel works at North Point area in the reporting month. In addition, other non-Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects was observed undertaken at Wan Chai North and North Point area.
- 7.0.5. No significant air quality impact from construction activities was anticipated in the reporting month. Besides, no project related exceedance was recorded during the air quality and noise environmental monitoring events in the reporting month. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) 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, HY/2010/08 and HY/2011/08. No non-conformance was identified during the site audits. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.
- 8.0.2. Site inspections for Contract no. HY/2009/15 were carried out during this reporting period. No observation was found in the reporting month.
- 8.0.3. Site inspections for Contract no. HY/2009/18 were carried out during this reporting period. No observation was found in the reporting month.
- 8.0.4. Site inspections for Contract no. HY/2009/19 were carried out during this reporting period. No observation was found in the reporting month.
- 8.0.5. Site inspections for Contract no. HK/2009/01 was carried out during this reporting period. No observation was found in the reporting month.
- 8.0.6. Site inspections for Contract no. HK/2009/02 were carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.5**.

Table 8.5 Summary of Environmental Inspections for Contract no. HK/2009/02

Item	Date	Observations	Action taken by Contractor	Completion date
170321_01	21 Mar 2017	The drip tray of the oil container at Portion 5 shall be maintained and shaped for use.	Drip tray of oil container at Portion 5 was reinstated for use.	Completion as observed on 30 March 2017

- 8.0.7. Site inspection for Contract no. HK/2012/08 were carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.6**.

Table 8.6 Summary of Environmental Inspections for Contract no. HK/2012/08

Item	Date	Observations	Action taken by Contractor	Completion date
170321_01	21 Mar-17	Hole of drip tray on site shall be covered to maintain their proper functions.	Hole of drip trays on site were covered.	Completion as observed on 29 March 2017

- 8.0.8. Site inspections for Contract no. HY/2010/08 were carried out during this reporting period. The results of these inspections and outcomes are summarized in **Table 8.7**.

Table 8.7 Summary of Environmental Inspections for Contract no. HY/2010/08

Item	Date	Observations	Action taken by Contractor	Completion date
170302_1	2 Mar 2017	Drip tray shall be provided to chemical containers (TS3 North)	Drip tray was provided to chemical container	Completion as observed on 10 Mar 2017

Item	Date	Observations	Action taken by Contractor	Completion date
170310_1	10 Mar 2017	Contractor shall strictly follow the valid discharge license condition as the current marine base discharge license (WT0020753-2015) expired on 28 February 2017 (TS3)	No further discharge was observed at TS3	Completion as observed on 15 Mar 2017
170315_1	15 Mar 2017	Surface runoff was observed. Contractor shall ensure the embankment maintain in good condition to avoid potential contaminated runoff (TS3 West)	Embankment was reinforced and no further surface runoff was observed.	Completion as observed on 22 Mar 2017
170315_2	15 Mar 2017	NRMM Label shall be provided to PME (Victoria Park)	NRMM Label was provided to concerned PME	Completion as observed on 22 Mar 2017
170322_1	22 Mar 2017	Mud / Silt over the embankment shall be cleaned regularly to avoid drop off (TS3 North)	Mud / Silt sitting at the edge of seawall was cleaned	Completion as observed on 29 Mar 2017

8.0.9. Site inspections for Contract no. HY/2011/08 were carried out during this reporting period. No observation was found in the reporting month.

9 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

9.0.1. Three environmental complaints were received in the reporting month.

9.0.2. First ICC complaint referred by RSS was received by ET on 27 February 2017 (CASE#2-3521097579). The complainant reported that noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.

ET confirmed with the Resident Site Staff that no construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.

No construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.

Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

9.0.3. Second ICC complaint referred by RSS was received by ET on 06 March 2017 (CASE#2-3576157538). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.

The ICC complaint was subsequently referred to the EPD. EPD subsequently refer the same complaint case to the ET on 14 March 2017 (EPD Ref: H05/RS/0006240-17). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.

ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.

According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level.

Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.

Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

- 9.0.4. Third ICC complaint referred by RSS was received by ET on 13 March 2017 (CASE#2-3603182890). The complainant reported that noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.

ET confirmed with the Resident Site Staff that no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017. Based on the information provided by the RSS, no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.

Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.

- 9.0.5. According to the information provided to the Environmental Team on 31 March 2017, four Summons to defendants were issued to the Contractor(s) of Contract HY/2009/19.
- 9.0.6. Two Summons to Defendant (Case No. ESS40680/2016 and Case No. ESS40679/2016) were issued to the Contractor(s) under Contract HY/2009/19 on 25 October 2016 regarding the case against Section 6(1)(b) and 6(5), Noise Control Ordinance Cap 400.
- 9.0.7. Two Summons to Defendant (Case No. ESS38444/2016 and Case No. ESS38443/2016) were issued to the Contractor(s) under Contract HY/2009/19 on 06 October 2016 regarding the case against (Regulations 4(1) and 4(2) of the Air Pollution Control (Construction Dust) Regulation made under section 43 of the Air Pollution Control Ordinance, Cap311.
- 9.0.8. The details of cumulative complaint log and updated summary of complaints are presented in **Appendix 9.1**

9.0.9. 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
March 2017	3
September 2010 – February 2017	75
Total	78

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
Total	-	0	0

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"> • Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW • Reinstatement of drainage pipes and manhole at TPCWAE 	<ul style="list-style-type: none"> • Dust control during dust generating activities and covering for stockpile stored on site. • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the nearby water. • Maintain regular cleaning of floating refuses within construction area.
HY/2009/18	<ul style="list-style-type: none"> • Drainage works • Road works • Landscaping works • Maintenance works 	<ul style="list-style-type: none"> • Dust control during dust generating activities • Provide protection works to ensure no runoff out of site area or direct discharge into public drainage system.

<p>HY/2009/19</p>	<ul style="list-style-type: none"> • Approach ramp sheet piling, pre-bored piling and top soil removal works • Hing Fat Street modification works • Bridge Demolition / Construction • Hotel Carpark Reinstatement • Oil Street drainage works • Bridge E noise barrier installation • IEC noise enclosure/barrier installation • Excavation / Construction of retaining wall 	<ul style="list-style-type: none"> • Noise level shall be controlled by reducing the breaking operation rate. • Noise barrier shall be implemented • Dust control during dust generating works • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea.
<p>HK/2009/01</p>	<ul style="list-style-type: none"> • Reinstatement of amenity area • Road and Drain works 	<ul style="list-style-type: none"> • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea. • Dust control during dust generating works • Noise mitigation measures during breaking works

<p>HK/2009/02</p>	<ul style="list-style-type: none"> • Rectification works for cross road ducts • Rectification works for cracks/joints with water leakage inside OHVD cells • Tunnel backfilling • Construction of gabion wall • Concreting blinding layer for Hung Hing Road flyover • Rebar fixing for HHR flyover • Remedial works of tunnel wall, base slab and OHVD • General cleaning and rectification works of OHVD, tunnel base slab, carrier drain, cross road duct and manhole gully • Rebar fixing and concreting of base slab and walls • Waterproofing membrane laying works for side walls • Removal works for ELS S2 & S3 layer • Rebar fixing and concreting of roadside barrier • Erect scaffolding for OHVD slab • Rebar fixing and concreting of OHVD slab • Excavation works for trial pit for the 132kV HK Electric cables. • Construction of manhole for Wan Shing Street sewage work. 	<ul style="list-style-type: none"> • Dust control during dust generating works • Proper maintenance boundary surface runoff protection and water treatment facilities to avoid potential runoff related impact. • Provision of protection measures to ensure no runoff out of site area or direct discharge into public drainage system.
<p>HK/2012/08</p>	<ul style="list-style-type: none"> • Grouting • Construction of Slip Road 1 • Construction of drainage • Back-filling at CWB tunnel 	<ul style="list-style-type: none"> • Dust control during dust generating works • Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system.

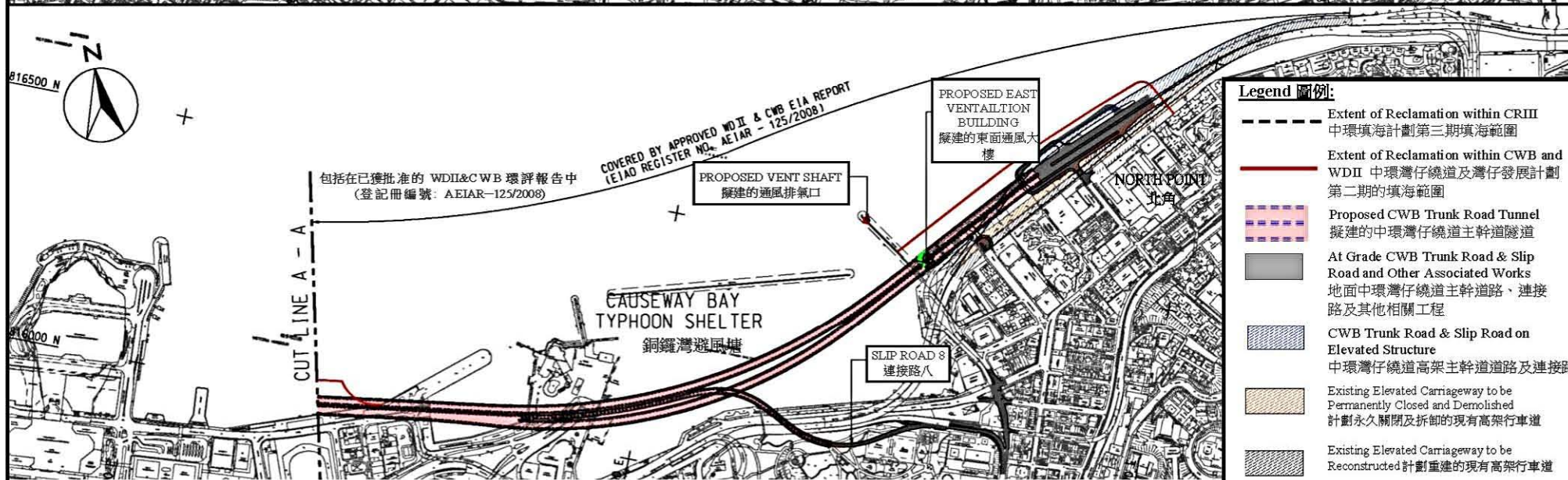
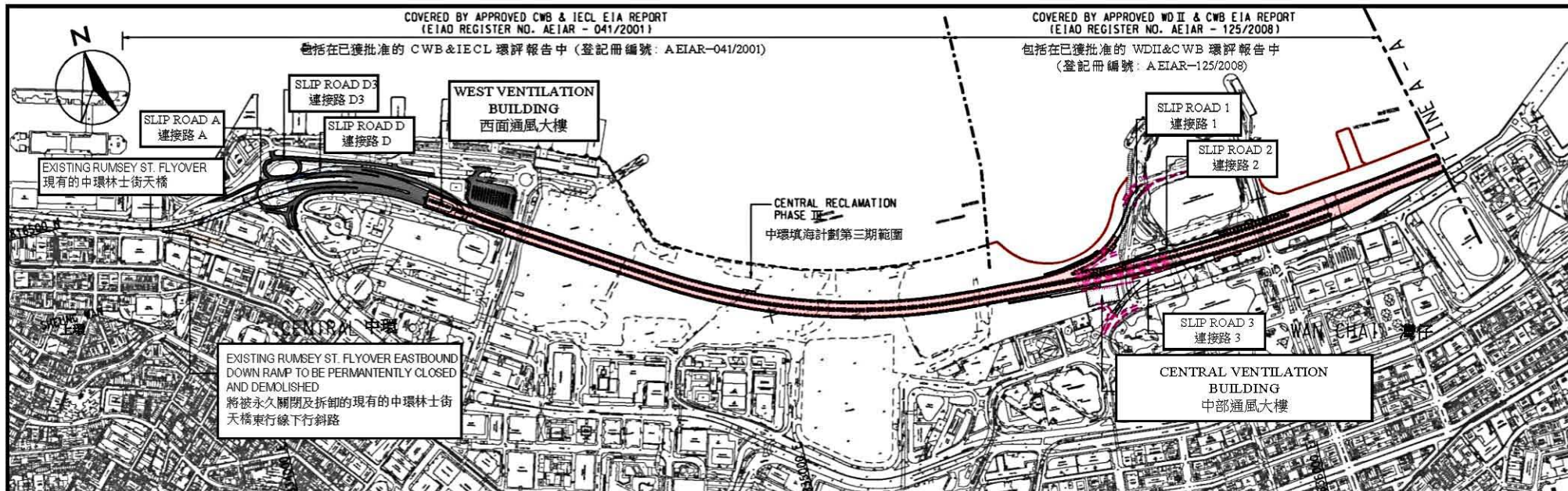
HY/2010/08	<ul style="list-style-type: none"> • Tree protection works next to existing BGO, • Drainage improvement works, • Utility diversion works, • Retaining wall works • ELS works, • Construction works for subway extension 	<ul style="list-style-type: none"> • Dust control during dust generating works and stockpile stored on site. • Appropriate measures should be taken to ensure adequate protections are provided for trees being transplanted and retained on site. • Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system.
HY/2011/08	<ul style="list-style-type: none"> • Construction of Ventilation Buildings, inclusive of Administration Building, East Ventilation Shaft/Building, West Ventilation Building • Construction of Tunnel Thermal Barrier • Installation of Electricals and Mechanicals • Installation of Tunnel Features 	<ul style="list-style-type: none"> • Dust control during dust generating works

- 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.
- 10.0.4. The construction works of Contract no. HY/2009/17 - Advance piling works at Whitfield Depot under FEP-03/264/2009 was completed, and the FEP was surrendered by the Contractor and found in order by EPD on 25 April 2013.
- 10.0.5. The construction works of Contract HK/2010/06 was completed, and the FEP-08/364/2009/A was surrendered by the Contractor on 3 October 2014.



Figure 2.1

Project Layout



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/E
環境許可證編號: EP-364/2009/E

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

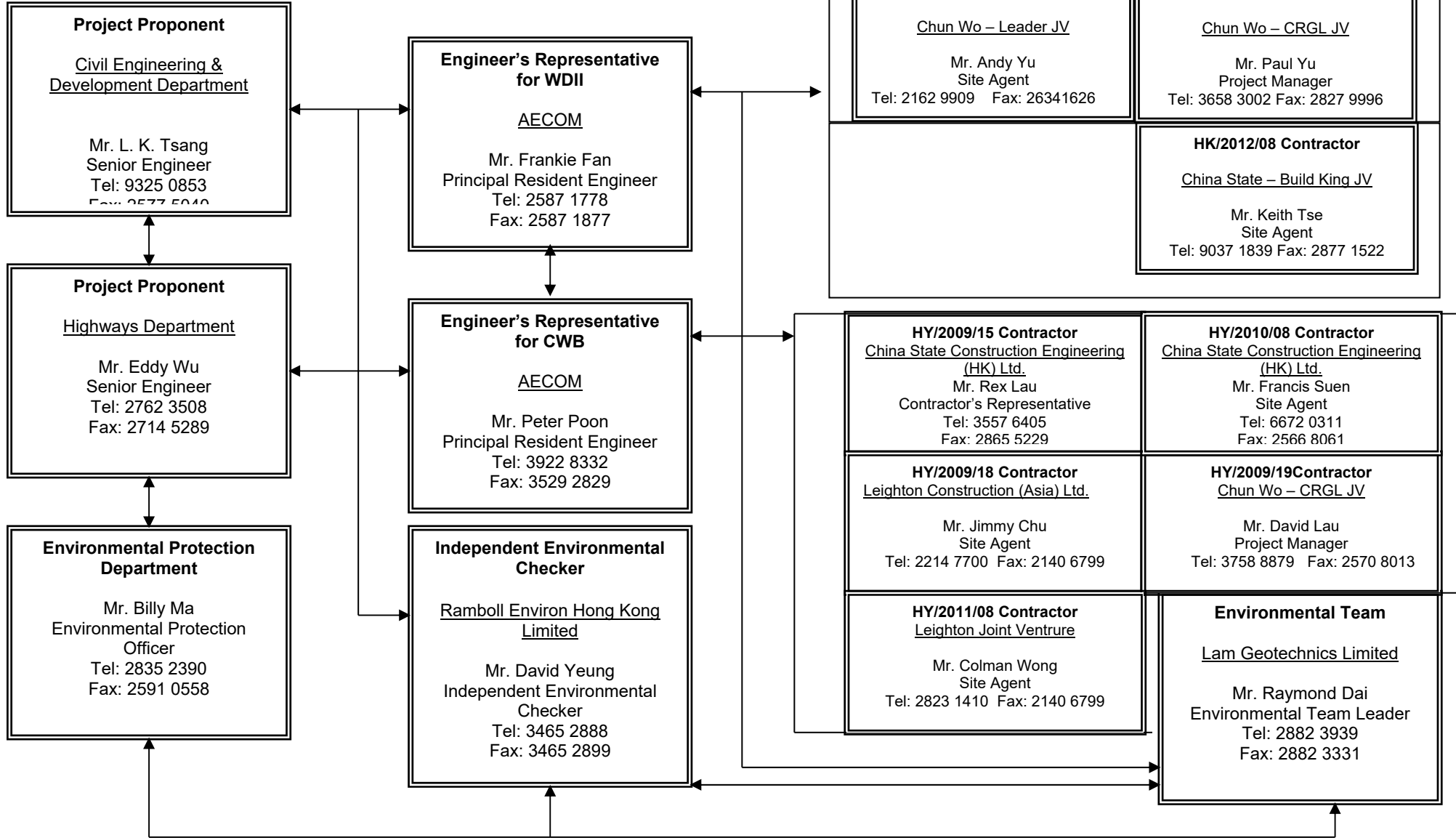


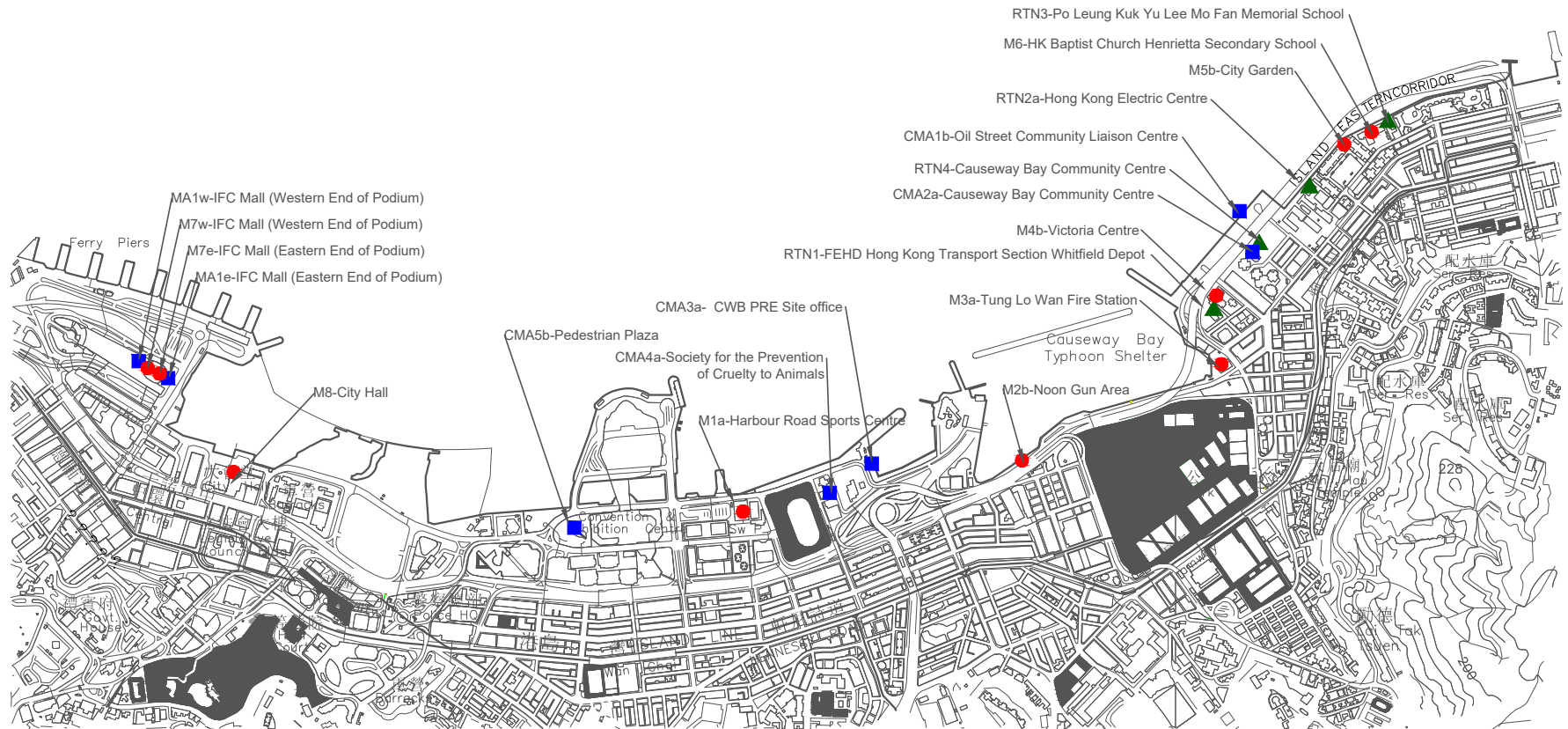


Figure 4.1

Locations of Monitoring Stations

Legend

- Noise Monitoring Station
- Air Quality Monitoring Station
- ▲ Real-time Noise Monitoring Station



LOCATIONS OF AIR QUALITY AND NOISE 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	
Construction Phase								
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"> Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition; Watering during excavation and material handling; Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. 	Work site / during construction	Contractor		√			
Operational Phase								
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	
Construction Phase								
S4.9.3	<p>Good Site Practice:</p> <ul style="list-style-type: none"> Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program. Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program. Mobile plant, if any, shall be sited as far away from NSRs as possible. 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. 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. Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from on-site construction activities. 	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"> Slip road 8 tunnel Construction of diaphragm wall and substructures of the tunnel approach ramp Excavation Construction of slabs Backfill 	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"> Demolition and construction of substructures for the IEC Demolition works of existing piers and crossheads of the marine section of the existing IEC <p>Use of PME grouping for the following tasks:</p> <ul style="list-style-type: none"> At-grade road construction Substructure for IECL connection 							
Operation Phase								
S4.8.12 – S4.8.23	<p>For Existing NSRs</p> <ul style="list-style-type: none"> about 235m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC about 230m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC 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) 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 about 350m length of 3.5m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC 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 	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	
	<p>For Future/Planned NSRs</p> <ul style="list-style-type: none"> • about 265m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC • 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. 	<p>In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites.</p> <p>Near Causeway Bay Fire Station / During detailed design of the re-provisioned Tin Hau Temple</p>	<p>HyD</p> <p>Project Proponent for the re-provisioned Tin Hau Temple</p>	√	√ #			

* 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	
Construction Phase								
S6.5.14	Floating Refuse 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	Good Site Practices Recommendations for good site practices during the construction activities include: <ul style="list-style-type: none"> • nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; • training of site personnel in proper waste management and chemical waste handling procedures; • provision of sufficient waste disposal points and regular collection for disposal; • appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and • a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites). 	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"> • 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; • 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; • any unused chemicals or those with remaining functional capacity shall be recycled; • use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&D material. • prior to disposal of C&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; • proper storage and site practices to minimise the potential for damage or contamination of construction materials; and • plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. 	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&D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&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&D material shall be sorted on-site into inert C&D material (that is, public fill) and C&D waste. All the suitable inert C&D material shall be broken down to 250 mm in size for reuse as public fill in the WDII reclamation. C&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"> • 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. • 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. • 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. 	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	
Construction and Operation Phase								
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	
Construction Phase								
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
Operation Phase								
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) ^{Note 1}

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 Quality 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
CMA5b	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



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA1117 01-01 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	,	Microphone
Manufacturer:	B & K	,	B & K
Type/Model No.:	2236	,	4188
Serial/Equipment No.:	2100736	,	2288941
Adaptors used:	-	,	-

Item submitted by

Customer Name:	Lam Geotechnics Limited
Address of Customer:	-
Request No.:	-
Date of receipt:	17-Nov-2016

Date of test: 18-Nov-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	18-Jun-2017	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature:	23 ± 1 °C
Relative humidity:	50 ± 10 %
Air pressure:	1005 ± 5 hPa

Test specifications

- 1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
- 3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsiveness of the Sound Level Meter.


Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Min/Feng Jun Qi

Date: 21-Nov-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 16CA1117 01-01

Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	1.0	2.1
	Lin	Pass	2.0	2.2
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Date:

Fung Chi Yip
18-Nov-2016

Checked by:

Date:

Lam Tze Wai
21-Nov-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA0413 02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	2722310	2698702	13318
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 13-Apr-2016

Date of test: 09-May-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	19-Jun-2016	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 60 ± 10 %
Air pressure: 1005 ± 5 hPa

Test specifications

1. The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
2. The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
3. The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

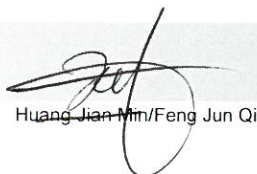
Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

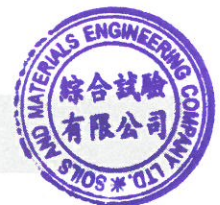
Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Min/Feng Jun Qi

Date: 10-May-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 16CA0413 02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
Frequency weightings	C	Pass	0.3	
	Lin	Pass	0.3	
	Time weightings	Single Burst Fast	Pass	0.3
Peak response	Single Burst Slow	Pass	0.3	
	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
	Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3
Time averaging	Repeated at frequency of 100 Hz	Pass	0.3	
	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
	Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:		Checked by:	
Date:	Fung Chi Yip 09-May-2016	Date:	J.Q. Feng 10-May-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA0519 02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	2722311	2698703	13321
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 19-May-2016

Date of test: 21-May-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	19-Jun-2016	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 55 ± 10 %
Air pressure: 1005 ± 5 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsiveness of the Sound Level Meter.

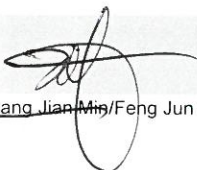
Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Ming/Feng Jun Qi

Date: 23-May-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 16CA0519 02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
	C	Pass	0.3	
Frequency weightings	Lin	Pass	0.3	
	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Date:

Fung Chi Yip
21-May-2016

Checked by:

Date:

Lam Tze Wai
23-May-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA0307 02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	2701778	2755097	19556
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Ltd.
Address of Customer: -
Request No.: -
Date of receipt: 07-Mar-2016

Date of test: 08-Mar-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	19-Jun-2016	CIGISMEC
Signal generator	DS 360	33873	16-Apr-2016	CEPREI
Signal generator	DS 360	61227	16-Apr-2016	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 50 ± 10 %
Air pressure: 1010 ± 5 hPa

Test specifications

- 1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of +20%.
- 3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responses of the Sound Level Meter.

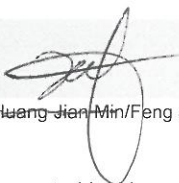
Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian-Min/Feng Jun Qi

Date: 09-Mar-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 16CA0307 02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
	C	Pass	0.3	
Frequency weightings	Lin	Pass	0.3	
	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:		Checked by:	
Date:	08-Mar-2016	Date:	09-Mar-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 17CA0221 02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	2701778	2755097	19223
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 22-Feb-2017

Date of test: 02-Mar-2017

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	18-Jun-2017	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature: 20 ± 1 °C
Relative humidity: 60 ± 10 %
Air pressure: 1010 ± 5 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responses of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:

Huang Jian Min/Feng Jun Qi

Date: 06-Mar-2017

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 17CA0221 02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL Frequency weightings	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:		Checked by:	
Date:	Fung Chi Yip 02-Mar-2017	Date:	Lam Tze Wai 06-Mar-2017

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 17CA0119 01 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	3002695	2940839	18582
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Limited
Address of Customer: -
Request No.: -
Date of receipt: 19-Jan-2017

Date of test: 20-Jan-2017

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	18-Jun-2017	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 40 ± 10 %
Air pressure: 1010 ± 5 hPa

Test specifications

- 1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- 3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsiveness of the Sound Level Meter.

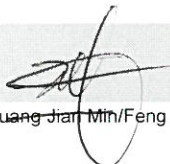
Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

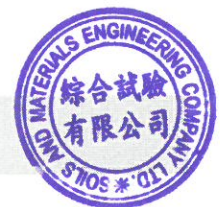
Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Min/Feng Jun Qi

Date: 23-Jan-2017

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 17CA0119 01 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
	Frequency weightings			
Time weightings	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Peak response	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
R.M.S. accuracy	Single 100µs rectangular pulse	Pass	0.3	
	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Date:

Fung Chi Yip
20-Jan-2017

Checked by:

Date:

Lam Tze Wai
23-Jan-2017

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA0805 02 Page 1 of 2

Item tested

Description:	Sound Level Meter (Type 1)	Microphone	Preamp
Manufacturer:	B & K	B & K	B & K
Type/Model No.:	2250-L	4950	ZC0032
Serial/Equipment No.:	3006790	2827240	21213
Adaptors used:	-	-	-

Item submitted by

Customer Name: Lam Geotechnics Ltd.
Address of Customer: -
Request No.: -
Date of receipt: 05-Aug-2016

Date of test: 08-Aug-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	18-Jun-2017	CIGISMEC
Signal generator	DS 360	33873	18-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 60 ± 10 %
Air pressure: 1000 ± 5 hPa

Test specifications

- The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of $\pm 20\%$.
- The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure response of the Sound Level Meter.

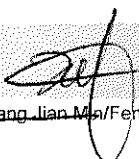
Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

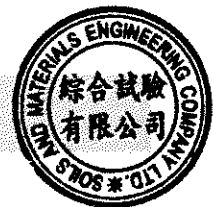
Actual Measurement data are documented on worksheets.

Approved Signatory:


Huang Jian Ma/Feng Jun Qi

Date: 09-Aug-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 16CA0805 02 Page 2 of 2

1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	
	Lin	Pass	1.6	
Linearity range for Leq	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range, Step 5 dB at 4 kHz	Pass	0.3	
	Frequency weightings			
Time weightings	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Peak response	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
R.M.S. accuracy	Single 100µs rectangular pulse	Pass	0.3	
Time weighting I	Crest factor of 3	Pass	0.3	
	Single burst 5 ms at 2000 Hz	Pass	0.3	
Time averaging	Repeated at frequency of 100 Hz	Pass	0.3	
	1 ms burst duty factor 1/10 ³ at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 ⁴ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Date:

Fung Chi Yip
08-Aug-2016

Checked by:

Date:

Lam Tze Wai
09-Aug-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 16CA1117 01-02

Page: 1 of 2

Item tested

Description: Acoustical Calibrator (Class 1)
Manufacturer: Rion Co., Ltd.
Type/Model No.: NC-73
Serial/Equipment No.: 10707358
Adaptors used: -

Item submitted by

Customer: Lam Geotechnics Ltd.
Address of Customer: -
Request No.: -
Date of receipt: 17-Nov-2016

Date of test: 18-Nov-2016

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2412857	14-Apr-2017	SCL
Preamplifier	B&K 2673	2239857	28-Apr-2017	CEPREI
Measuring amplifier	B&K 2610	2346941	26-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI
Digital multi-meter	34401A	US36087050	18-Apr-2017	CEPREI
Audio analyzer	8903B	GB41300350	19-Apr-2017	CEPREI
Universal counter	53132A	MY40003662	19-Apr-2017	CEPREI

Ambient conditions

Temperature: 23 ± 1 °C
Relative humidity: 50 ± 10 %
Air pressure: 1005 ± 5 hPa

Test specifications

- 1, The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- 2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- 3, The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Approved Signatory:

Huang Jian Min/Feng Jun Qi

Date: 21-Nov-2016

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

16CA1117 01-02

Page: 2 of 2

1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

Frequency Shown Hz	Output Sound Pressure Level Setting dB	Measured Output Sound Pressure Level dB	(Output level in dB re 20 μ Pa)
			Estimated Expanded Uncertainty dB
1000	94.00	94.12	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz STF = 0.002 dB

Estimated expanded uncertainty 0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz Actual Frequency = 991.6 Hz

Estimated expanded uncertainty 0.1 Hz Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz TND = 0.6 %

Estimated expanded uncertainty 0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by: _____	Checked by: _____
Fung Chi Yip	Lam Tze Wai
Date: 18-Nov-2016	Date: 21-Nov-2016

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



CERTIFICATE OF CALIBRATION

Certificate No.: 17CA0320 03

Page: 1 of 2

Item tested

Description: Acoustical Calibrator (Class 1)
Manufacturer: Larson Davis
Type/Model No.: CAL200
Serial/Equipment No.: 13098
Adaptors used: -

Item submitted by

Customer: Lam Environmental Service Ltd.
Address of Customer: -
Request No.: -
Date of receipt: 20-Mar-2017

Date of test: 23-Mar-2017

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2412857	14-Apr-2017	SCL
Preamplifier	B&K 2673	2239857	28-Apr-2017	CEPREI
Measuring amplifier	B&K 2610	2346941	26-Apr-2017	CEPREI
Signal generator	DS 360	61227	18-Apr-2017	CEPREI
Digital multi-meter	34401A	US36087050	18-Apr-2017	CEPREI
Audio analyzer	8903B	GB41300350	19-Apr-2017	CEPREI
Universal counter	53132A	MY40003662	19-Apr-2017	CEPREI

Ambient conditions

Temperature: 21 ± 1 °C
Relative humidity: 60 ± 10 %
Air pressure: 1010 ± 5 hPa

Test specifications

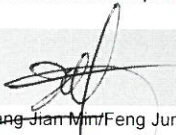
- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
- The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on **page 2** of this certificate.

Approved Signatory:


Huang Jian Min/Feng Jun Qi

Date: 24-Mar-2017

Company Chop:



Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.



CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.: 17CA0320 03

Page: 2 of 2

1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

Frequency Shown Hz	Output Sound Pressure Level Setting dB	Measured Output Sound Pressure Level dB	(Output level in dB re 20 μ Pa)
			Estimated Expanded Uncertainty dB
1000	94.00	93.98	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz STF = 0.002 dB

Estimated expanded uncertainty 0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz Actual Frequency = 1000.2 Hz

Estimated expanded uncertainty 0.1 Hz Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz TND = 0.5 %

Estimated expanded uncertainty 0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by:

Lai Sheng Jie
Date: 23-Mar-2017

Checked by:

Fung Chi Yip
Date: 24-Mar-2017

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.



TISCH ENVIRONMENTAL, INC.
 145 SOUTH MIAMI AVE
 VILLAGE OF CLEVELAND, OH
 45002
 513.467.9000
 877.263.7610 TOLL FREE
 513.467.9009 FAX

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - May 20, 2016 Rootmeter S/N 0438320 Ta (K) - 293
 Operator Tisch Orifice I.D. - 3166 Pa (mm) - 748.03

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	1.4270	3.2	2.00
2	NA	NA	1.00	1.0220	6.4	4.00
3	NA	NA	1.00	0.9100	7.9	5.00
4	NA	NA	1.00	0.8730	8.8	5.50
5	NA	NA	1.00	0.7180	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9967	0.6985	1.4150	0.9957	0.6977	0.8851
0.9925	0.9711	2.0010	0.9915	0.9701	1.2517
0.9904	1.0883	2.2372	0.9893	1.0872	1.3995
0.9892	1.1332	2.3464	0.9882	1.1320	1.4678
0.9840	1.3705	2.8299	0.9830	1.3691	1.7702
Qstd slope (m) = 2.10714			Qa slope (m) = 1.31946		
intercept (b) = -0.05158			intercept (b) = -0.03226		
coefficient (r) = 0.99978			coefficient (r) = 0.99978		
y axis = SQRT[H2O(Pa/760)(298/Ta)]			y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

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

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

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

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

For subsequent flow rate calculations:

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

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



Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA1b
 Equipment no. : HVS001

Calibration Date : 16-Feb-17
 Calibration Due Date : 16-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	292	Kelvin	Pressure, P _a
			1022 mmHg

Orifice Transfer Standard Information					
Equipment No.	Ori002	Slope, m _c	2.10714	Intercept, b _c	-0.05158
Last Calibration Date	20-May-16	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	20-May-17				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	1.5	1.5	3.0	0.8584	22	22.3201
2	2.4	2.4	4.8	1.0794	32	32.4656
3	3.8	3.8	7.6	1.3518	41	41.5965
4	5.2	5.2	10.4	1.5772	48	48.6984
5	6.5	6.5	13.0	1.7605	52	52.7566

By Linear Regression of Y on X

Slope, m = 33.6324 Intercept, b = -5.0111
 Correlation Coefficient* = 0.9938
 Calibration Accepted = Yes/No**

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

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL452 to HVS001 with respect to the update in quality management system.

Calibrated by : Jackey MA
 Date : 16-Feb-17

Checked by : Pauline Wong
 Date : 16-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA2a Calibration Date : 16-Feb-17
 Equipment no. : HVS002 Calibration Due Date : 16-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	292	Kelvin	Pressure, P_a
			1022 mmHg

Orifice Transfer Standard Information					
Equipment No.	Ori002	Slope, m_c	2.10714	Intercept, b_c	-0.05158
Last Calibration Date	20-May-16	$\left(H \times P_a / 1013.3 \times 298 / T_a \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	20-May-17				

Calibration of TSP						
Calibration Point	Manometer Reading			Q_{std} ($m^3 / min.$) X-axis	Continuous Flow Recorder, W (CFM)	IC ($W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31$) Y-axis
	(up)	(down)	(difference)			
1	1.7	1.7	3.4	0.9123	30	30.4365
2	2.6	2.6	5.2	1.1224	36	36.5238
3	4.2	4.2	8.4	1.4199	44	44.6402
4	5.5	5.5	11.0	1.6214	50	50.7275
5	6.9	6.9	13.8	1.8131	56	56.8148

By Linear Regression of Y on X

Slope, m = 29.0457 Intercept, b = 3.8086
 Correlation Coefficient* = 0.9996
 Calibration Accepted = Yes/No**

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

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL449 to HVS002 with respect to the update in quality management system.

Calibrated by : Jackey MA Checked by : Pualine Wong
 Date : 16-Feb-17 Date : 16-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA3a
 Calibration Date : 23-Feb-17
 Equipment no. : HVS012
 Calibration Due Date : 23-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T_a	291	Kelvin	Pressure, P_a
			1017 mmHg

Orifice Transfer Standard Information					
Equipment No.	Ori002	Slope, m_c	2.10714	Intercept, b_c	-0.05158
Last Calibration Date	20-May-16	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	20-May-17				

Calibration of TSP						
Calibration Point	Manometer Reading			Q_{std} ($m^3 / \text{min.}$) X-axis	Continuous Flow Recorder, W (CFM)	IC ($W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31$) Y-axis
	(up)	(down)	(difference)			
1	1.3	1.3	2.6	0.8003	30	30.4141
2	2.2	2.2	4.4	1.0337	36	36.4969
3	3.5	3.5	7.0	1.2974	43	43.5935
4	4.5	4.5	9.0	1.4679	48	48.6625
5	5.6	5.6	11.2	1.6346	52	52.7177

By Linear Regression of Y on X

Slope, m = 26.9932 Intercept, b = 8.7224
 Correlation Coefficient* = 0.9997
 Calibration Accepted = Yes/No**

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

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL333 to HVS012 with respect to the update in quality management system.

Calibrated by : Jackey MA Checked by : Pauline Wong
 Date : 23-Feb-17 Date : 23-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA4a
 Equipment no. : HVS004

Calibration Date : 23-Feb-17
 Calibration Due Date : 23-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	291	Kelvin	Pressure, P _a
			1017 mmHg

Orifice Transfer Standard Information					
Equipment No.	Ori002	Slope, m _c	2.10714	Intercept, b _c	-0.05158
Last Calibration Date	20-May-16	$\left(\frac{H \times P_a}{1013.3 \times 298 / T_a} \right)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	20-May-17				

Calibration of TSP						
Calibration Point	Manometer Reading H (inches of water)			Q _{std} (m ³ / min.)	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31)
	(up)	(down)	(difference)	X-axis		Y-axis
1	1.3	1.3	2.6	0.8003	20	20.2760
2	2.2	2.2	4.4	1.0337	32	32.4417
3	3.4	3.4	6.8	1.2791	40	40.5521
4	4.4	4.4	8.8	1.4517	48	48.6625
5	5.6	5.6	11.2	1.6346	53	53.7315

By Linear Regression of Y on X

Slope, m = 39.9678 Intercept, b = -10.4229
 Correlation Coefficient* = 0.9953
 Calibration Accepted = Yes/No**

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

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL390 to HVS004 with respect to the update in quality management system.

Calibrated by : Jackey MA
 Date : 23-Feb-17

Checked by : Pauline Wong
 Date : 23-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : CMA5b
 Equipment no. : HVS010

Calibration Date : 23-Feb-17
 Calibration Due Date : 23-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	291	Kelvin	Pressure, P _a
			1017 mmHg

Orifice Transfer Standard Information			
Equipment No.	Ori002	Slope, m _c	2.10714
		Intercept, b _c	-0.05158
Last Calibration Date	20-May-16	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	20-May-17		

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	1.4	1.4	2.8	0.8296	36	36.4969
2	2.2	2.2	4.4	1.0337	42	42.5797
3	3.6	3.6	7.2	1.3155	52	52.7177
4	4.6	4.6	9.2	1.4838	57	57.7867
5	5.8	5.8	11.6	1.6631	63	63.8695

By Linear Regression of Y on X

Slope, m = 33.0908 Intercept, b = 8.8257
 Correlation Coefficient* = 0.9996
 Calibration Accepted = Yes/No**

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

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL222 to HVS010 with respect to the update in quality management system.

Calibrated by : Jackey MA
 Date : 23-Feb-17

Checked by : Pauline Wong
 Date : 23-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1e
 Equipment no. : HVS007

Calibration Date : 23-Feb-17
 Calibration Due Date : 23-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	291	Kelvin	Pressure, P _a
			1017 mmHg

Orifice Transfer Standard Information					
Equipment No.	Ori002	Slope, m _c	2.10714	Intercept, b _c	-0.05158
Last Calibration Date	20-May-16	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$			
Next Calibration Date	20-May-17				

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	1.5	1.5	3.0	0.8578	28	28.3865
2	2.5	2.5	5.0	1.1003	38	38.5245
3	4.0	4.0	8.0	1.3853	44	44.6073
4	5.2	5.2	10.4	1.5761	52	52.7177
5	6.6	6.6	13.2	1.7725	60	60.8281

By Linear Regression of Y on X

Slope, m = 34.0568 Intercept, b = -0.5688
 Correlation Coefficient* = 0.9937
 Calibration Accepted = Yes/Ne**

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

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL455 to HVS007 with respect to the update in quality management system.

Calibrated by : Jackey MA
 Date : 23-Feb-17

Checked by : Pauline Wong
 Date : 23-Feb-17



Calibration Data for High Volume Sampler (TSP Sampler)

Location : MA1w
 Equipment no. : HVS008

Calibration Date : 23-Feb-17
 Calibration Due Date : 23-Apr-17

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition			
Temperature, T _a	291	Kelvin	Pressure, P _a
			1017 mmHg

Orifice Transfer Standard Information			
Equipment No.	Ori002	Slope, m _c	2.10714
		Intercept, b _c	-0.05158
Last Calibration Date	20-May-16	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$ $= m_c \times Q_{std} + b_c$	
Next Calibration Date	20-May-17		

Calibration of TSP						
Calibration Point	Manometer Reading			Q _{std} (m ³ / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC (W(P _a /1013.3x298/T _a) ^{1/2} /35.31) Y-axis
	(up)	(down)	(difference)			
1	1.5	1.5	3.0	0.8578	20	20.2760
2	2.5	2.5	5.0	1.1003	28	28.3865
3	3.9	3.9	7.8	1.3682	37	37.5107
4	5.1	5.1	10.2	1.5611	43	43.5935
5	6.3	6.3	12.6	1.7323	50	50.6901

By Linear Regression of Y on X

Slope, m = 34.3297 Intercept, b = -9.3592

Correlation Coefficient* = 0.9993

Calibration Accepted = Yes/No**

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

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL080 to HVS008 with respect to the update in quality management system.

Calibrated by : Jackey MA
 Date : 23-Feb-17

Checked by : Pauline Wong
 Date : 23-Feb-17



Appendix 5.1

Monitoring Schedules for Reporting Month and Coming Reporting Month

Contract No. HK/2015/01
 Wan Chai Development Phase II and Central-Wan Chai Bypass
 Sampling, Field Measurement and Testing Works (Stage 3)

Environmental Monitoring Schedule
 March 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	27-Feb	28-Feb	1-Mar	2-Mar	3-Mar	4-Mar
	Noise (daytime) (M1a,M2b)	Noise (daytime) (M3a,M4b,M5b,M6,M7e,M7w M8)		24hr TSP	1hr TSP	
5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar
		Noise (daytime)	24hr TSP	1hr TSP		
12-Mar	13-Mar	14-Mar	15-Mar	16-Mar	17-Mar	18-Mar
	Noise (daytime) (M1a,M2b)	24hr TSP Noise (daytime) (M3a,M4b,M5b,M6,M7e,M7w M8)	1hr TSP			
19-Mar	20-Mar	21-Mar	22-Mar	23-Mar	24-Mar	25-Mar
	24hr TSP Noise (daytime) (M1a)	1hr TSP Noise (daytime) (M2b,M3a,M4b,M5b,M6,M7e, M7w,M8)				24hr TSP
26-Mar	27-Mar					
	1hr TSP					

Contract No. HK/2015/01
Wan Chai Development Phase II and Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 3)

Tentative Environmental Monitoring Schedule
April 2017

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



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)								
27/2/2017	10:10	Fine	76.8	80.0	73.0	72	75	75
7/3/2017	10:40	Fine	77.1	78.5	72.5	72	75	75
13/3/2017	10:15	Cloudy	76.4	78.5	72.0	72	74	75
20/3/2017	11:00	Fine	76.5	77.9	73.5	72	74	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)								
27/2/2017	10:53	Fine	67.0	69.0	65.5	68	67	75
7/3/2017	11:30	Fine	71.0	73.5	67.5	68	68	75
13/3/2017	11:15	Cloudy	68.8	70.0	67.0	68	63	75
21/3/2017	14:00	Fine	68.2	69.5	65.0	68	59	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)								
28/2/2017	10:22	Cloudy	67.5	69.5	64.0	69	68	75
7/3/2017	13:30	Fine	67.5	68.2	64.5	69	68	75
14/3/2017	13:45	Cloudy	67.1	68.5	65.0	69	67	75
21/3/2017	14:40	Fine	67.0	69.0	62.4	69	67	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)								
28/2/2017	11:00	Cloudy	64.4	65.5	61.0	67	64	75
7/3/2017	14:12	Fine	65.5	67.0	63.0	67	66	75
14/3/2017	14:20	Cloudy	65.6	67.0	63.5	67	66	75
21/3/2017	15:18	Fine	64.5	65.5	62.5	67	65	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)								
28/2/2017	13:00	Cloudy	67.6	69.5	64.5	68	68	75
7/3/2017	14:55	Fine	67.9	69.5	65.0	68	68	75
14/3/2017	15:30	Cloudy	76.0	77.0	71.5	68	75	75
21/3/2017	16:00	Fine	71.3	72.0	66.5	68	69	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)								
28/2/2017	13:40	Cloudy	69.4	72.0	63.5	71	69	70
7/3/2017	15:33	Fine	71.9	73.0	70.0	71	66	70
14/3/2017	16:06	Cloudy	71.2	72.5	68.0	71	62	70
21/3/2017	16:35	Fine	71.0	72.5	68.5	71	59	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)								
28/2/2017	08:05	Cloudy	64.5	65.5	62.0	67	65	N/A
7/3/2017	08:00	Fine	66.0	67.5	64.5	67	66	N/A
14/3/2017	09:45	Cloudy	66.9	68.5	64.0	67	50	N/A
21/3/2017	08:30	Fine	65.5	66.5	63.0	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)								
28/2/2017	08:45	Cloudy	62.0	65.5	60.0	69	62	75
7/3/2017	08:45	Fine	63.5	64.5	62.5	69	64	75
14/3/2017	10:30	Cloudy	65.2	66.5	62.5	69	65	75
21/3/2017	09:35	Fine	63.5	64.5	61.0	69	64	75

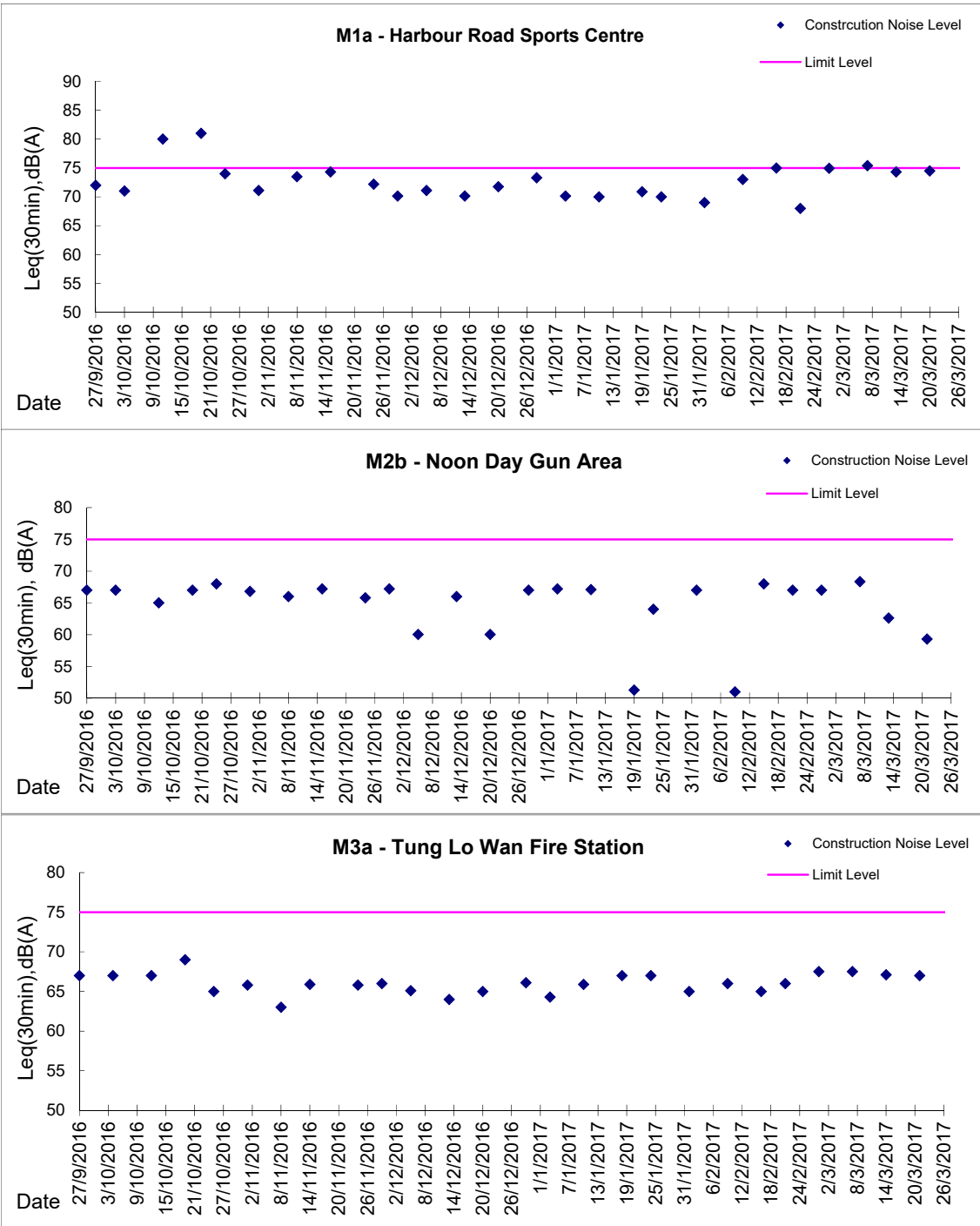
Location: M8 - City Hall

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
Unit: dB(A), (30-min)								
28/2/2017	09:20	Cloudy	60.0	62.5	58.5	64	60	70
7/3/2017	09:30	Fine	58.5	60.5	57.0	64	59	70
14/3/2017	11:28	Cloudy	62.5	64.5	57.5	64	63	70
21/3/2017	10:35	Fine	62.0	63.0	58.5	64	62	70



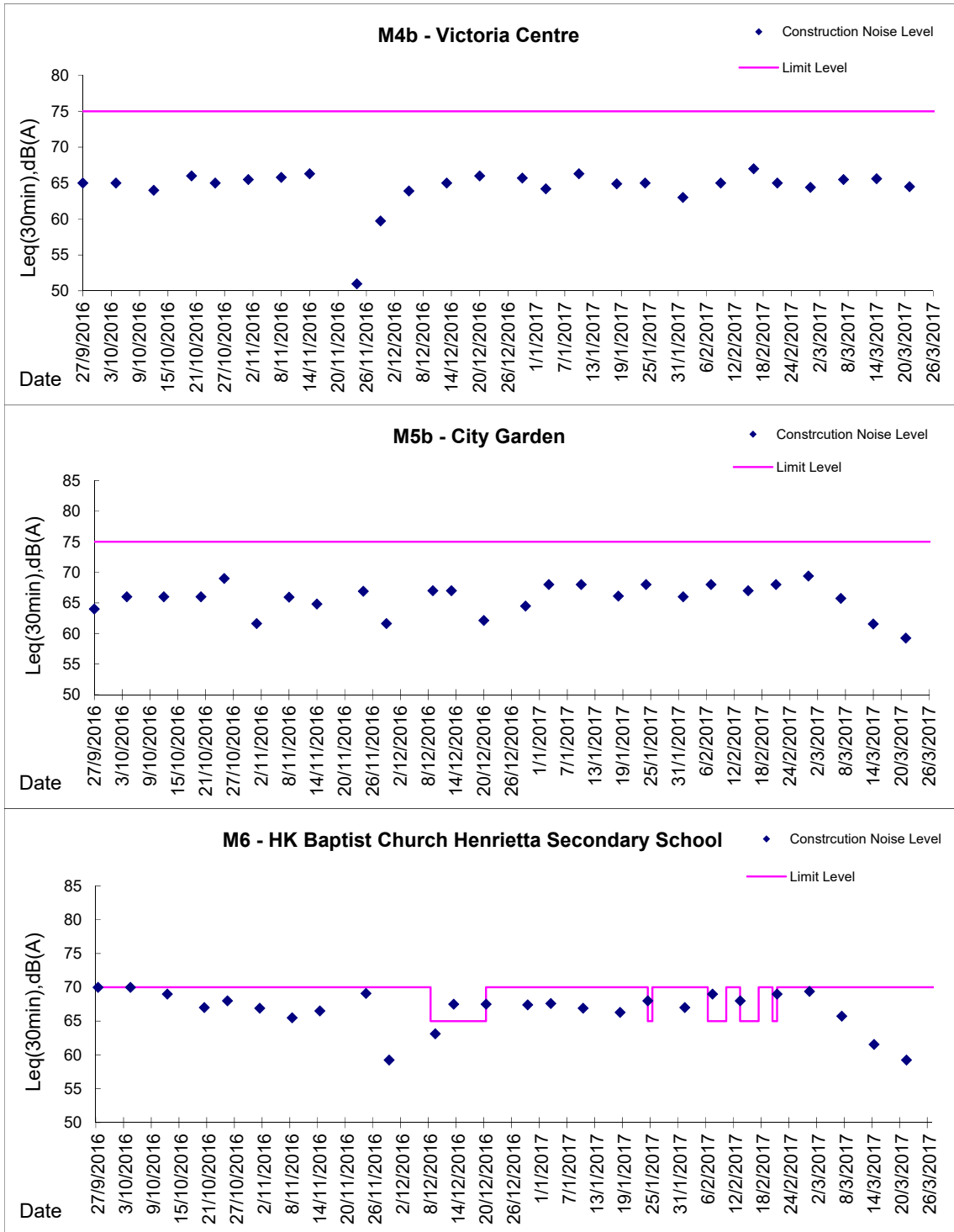
Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



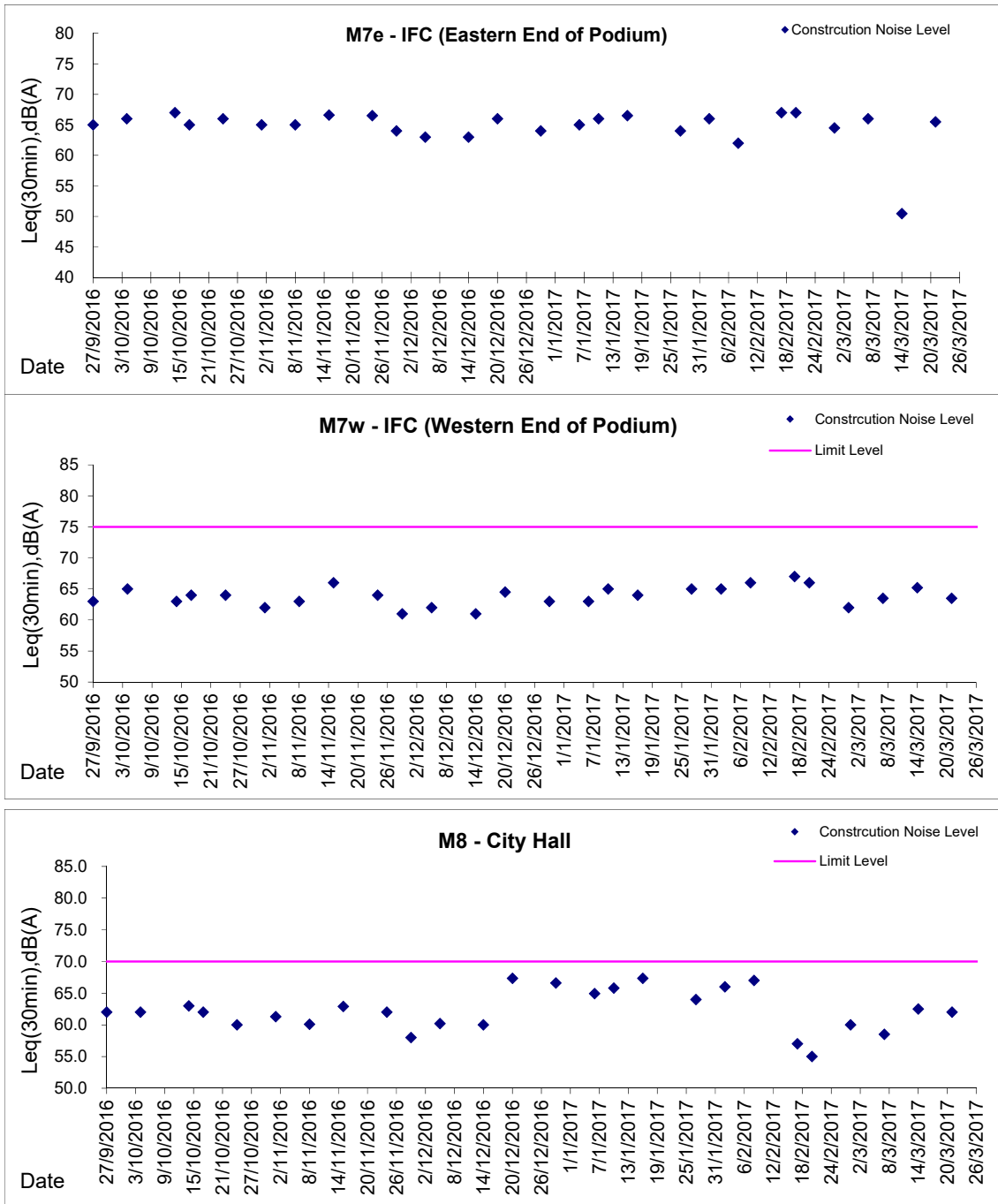
Graphic Presentation of Noise Monitoring Result

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 Street Site Office

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19471	2.8735	3.2476	9597.61	9621.61	24.00	1.48	1.48	1.48	2132	175.5
8-Mar-17	8:00	Rainy	19328	2.8503	2.9822	9624.63	9648.63	24.00	1.37	1.37	1.37	1968	67.0
14-Mar-17	8:00	Rainy	19644	2.8344	2.9779	9651.63	9675.63	24.00	1.36	1.37	1.36	1964	73.1
20-Mar-17	8:00	Cloudy	19702	2.8477	2.9705	9678.64	9702.64	24.00	1.36	1.35	1.35	1950	63.0
25-Mar-17	8:00	Cloudy	19594	2.8607	3.0031	9705.64	9729.64	24.00	1.36	1.37	1.37	1966	72.4

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:50	Fine	19461	2.8944	2.9231	9621.61	9622.61	1.00	1.51	1.51	1.51	91	316.6
3-Mar-17	11:00	Fine	19338	2.8506	2.8688	9622.61	9623.61	1.00	1.37	1.37	1.37	82	222.1
3-Mar-17	13:00	Fine	19332	2.8384	2.8624	9623.61	9624.61	1.00	1.37	1.37	1.37	82	292.9
9-Mar-17	13:00	Cloudy	19659	2.8460	2.8578	9648.63	9649.63	1.00	1.31	1.31	1.31	78	150.4
9-Mar-17	15:05	Cloudy	19652	2.8284	2.8467	9649.63	9650.63	1.00	1.37	1.37	1.37	82	223.4
9-Mar-17	16:07	Cloudy	19648	2.8290	2.8417	9650.63	9651.63	1.00	1.37	1.37	1.37	82	155.0
15-Mar-17	9:10	Cloudy	19303	2.8560	2.8736	9675.63	9676.63	1.00	1.37	1.37	1.37	82	214.7
15-Mar-17	11:00	Cloudy	19300	2.8289	2.8403	9676.63	9677.63	1.00	1.37	1.37	1.37	82	139.0
15-Mar-17	15:05	Cloudy	19722	2.8367	2.8591	9677.63	9678.63	1.00	1.37	1.37	1.37	82	273.2
21-Mar-17	9:15	Cloudy	19290	2.8420	2.8517	9702.64	9703.64	1.00	1.35	1.35	1.35	81	119.5
21-Mar-17	10:35	Cloudy	19284	2.8624	2.8691	9703.64	9704.64	1.00	1.35	1.35	1.35	81	82.5
21-Mar-17	13:00	Cloudy	19611	2.8311	2.8371	9704.64	9705.64	1.00	1.35	1.35	1.35	81	73.9
27-Mar-17	9:15	Fine	19598	2.8626	2.8881	9729.64	9730.64	1.00	1.66	1.66	1.66	99	256.8
27-Mar-17	10:35	Fine	19566	2.8228	2.8755	9730.64	9731.64	1.00	1.54	1.54	1.54	92	570.6
27-Mar-17	13:25	Fine	19576	2.8618	2.8877	9731.64	9732.64	1.00	1.54	1.54	1.54	92	280.4



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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19472	2.8750	3.0462	19206.10	19230.10	24.00	1.14	1.14	1.14	1645	104.1
8-Mar-17	8:00	Rainy	19329	2.8692	2.9902	19233.10	19257.10	24.00	1.15	1.14	1.14	1648	73.4
14-Mar-17	8:00	Rainy	19646	2.8339	2.8868	19260.10	19284.10	24.00	1.14	1.14	1.14	1644	32.2
20-Mar-17	8:00	Cloudy	19703	2.8592	2.9107	19287.10	19311.10	24.00	1.13	1.13	1.13	1629	31.6
25-Mar-17	8:00	Cloudy	19592	2.8508	2.9208	19314.10	19338.10	24.00	1.14	1.15	1.14	1646	42.5

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:30	Fine	19462	2.8729	2.8816	19230.10	19231.10	1.00	1.14	1.14	1.14	69	126.8
3-Mar-17	11:00	Fine	19339	2.8358	2.8497	19231.10	19232.10	1.00	1.14	1.14	1.14	69	202.6
3-Mar-17	13:00	Fine	19333	2.8458	2.8571	19232.10	19233.10	1.00	1.14	1.14	1.14	69	164.7
9-Mar-17	13:00	Cloudy	19657	2.8388	2.8502	19257.10	19258.10	1.00	1.14	1.14	1.14	69	166.2
9-Mar-17	15:02	Cloudy	19653	2.8456	2.8553	19258.10	19259.10	1.00	1.14	1.14	1.14	69	141.4
9-Mar-17	16:05	Cloudy	19649	2.8349	2.8438	19259.10	19260.10	1.00	1.14	1.14	1.14	69	129.8
15-Mar-17	9:05	Cloudy	19720	2.8702	2.8781	19284.10	19285.10	1.00	1.14	1.14	1.14	69	115.1
15-Mar-17	13:00	Cloudy	19716	2.8196	2.8283	19285.10	19286.10	1.00	1.21	1.21	1.21	73	119.7
15-Mar-17	15:05	Cloudy	19709	2.8318	2.8402	19286.10	19287.10	1.00	1.28	1.28	1.28	77	109.5
21-Mar-17	9:31	Cloudy	19292	2.8173	2.8237	19311.10	19312.10	1.00	1.13	1.13	1.13	68	94.4
21-Mar-17	10:51	Cloudy	19285	2.8410	2.8476	19312.10	19313.10	1.00	1.13	1.13	1.13	68	97.3
21-Mar-17	13:00	Cloudy	19612	2.8573	2.8619	19313.10	19314.10	1.00	1.13	1.13	1.13	68	67.8
27-Mar-17	9:25	Fine	19600	2.8601	2.8682	19338.10	19339.10	1.00	1.14	1.14	1.14	69	118.1
27-Mar-17	10:50	Fine	19817	2.7785	2.7872	19339.10	19340.10	1.00	1.14	1.14	1.14	69	126.8
27-Mar-17	13:30	Fine	19577	2.8184	2.8257	19340.10	19341.10	1.00	1.14	1.14	1.14	69	106.4



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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19469	2.8717	3.0435	6684.45	6708.45	24.00	1.05	1.05	1.05	1508	113.9
8-Mar-17	8:00	Rainy	19330	2.8365	2.9659	6711.45	6735.45	24.00	1.09	1.08	1.09	1564	82.8
14-Mar-17	8:00	Rainy	19647	2.8490	2.8762	6738.45	6762.45	24.00	1.04	1.05	1.05	1507	18.1
20-Mar-17	8:00	Cloudy	19705	2.8404	2.9633	6765.46	6789.46	24.00	1.18	1.18	1.18	1697	72.4
25-Mar-17	8:00	Cloudy	19609	2.8485	2.9682	6792.46	6816.46	24.00	1.19	1.20	1.19	1717	69.7

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:30	Fine	19463	2.8822	2.8950	6708.45	6709.45	1.00	1.19	1.19	1.19	72	178.8
3-Mar-17	10:30	Fine	19340	2.8466	2.8586	6709.45	6710.45	1.00	1.19	1.19	1.19	72	167.6
3-Mar-17	13:00	Fine	19334	2.8547	2.8663	6710.45	6711.45	1.00	1.19	1.19	1.19	72	162.1
9-Mar-17	13:00	Cloudy	19658	2.8400	2.8502	6735.45	6736.45	1.00	1.05	1.05	1.05	63	162.2
9-Mar-17	14:50	Cloudy	19654	2.8561	2.8622	6736.45	6737.45	1.00	1.05	1.05	1.05	63	97.0
9-Mar-17	15:55	Cloudy	19650	2.8328	2.8383	6737.45	6738.45	1.00	1.05	1.05	1.05	63	87.5
15-Mar-17	8:45	Cloudy	19304	2.8567	2.8766	6762.45	6763.45	1.00	1.19	1.19	1.19	72	277.8
15-Mar-17	10:50	Cloudy	19301	2.8413	2.8507	6763.45	6764.45	1.00	1.19	1.19	1.19	72	131.2
15-Mar-17	13:00	Cloudy	19707	2.8265	2.8356	6764.45	6765.45	1.00	1.19	1.19	1.19	72	127.1
21-Mar-17	8:50	Cloudy	19704	2.8517	2.8565	6789.46	6790.46	1.00	1.11	1.11	1.11	66	72.3
21-Mar-17	10:20	Cloudy	19287	2.8475	2.8519	6790.46	6791.46	1.00	1.11	1.11	1.11	66	66.3
21-Mar-17	13:00	Cloudy	19278	2.8493	2.8531	6791.46	6792.46	1.00	1.18	1.18	1.18	71	53.8
27-Mar-17	8:45	Fine	19597	2.8420	2.8535	6816.46	6817.46	1.00	1.19	1.19	1.19	72	160.7
27-Mar-17	10:05	Fine	19815	2.8376	2.8510	6817.46	6818.46	1.00	1.19	1.19	1.19	72	187.3
27-Mar-17	13:00	Fine	19819	2.7936	2.8039	6818.46	6819.46	1.00	1.19	1.19	1.19	72	143.9



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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19470	2.8840	3.0916	23444.51	23468.51	24.00	1.23	1.24	1.23	1778	116.7
8-Mar-17	8:00	Rainy	19331	2.8440	2.9894	23471.51	23495.51	24.00	1.24	1.24	1.24	1781	81.6
14-Mar-17	8:00	Rainy	19645	2.8301	2.9192	23498.80	23522.80	24.00	1.23	1.24	1.23	1778	50.1
20-Mar-17	8:00	Cloudy	19706	2.8349	2.9312	23525.81	23549.81	24.00	1.28	1.27	1.27	1836	52.5
25-Mar-17	8:00	Cloudy	19610	2.8423	3.0111	23552.81	23576.81	24.00	1.28	1.29	1.28	1850	91.3

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:20	Fine	19464	2.8870	2.8976	23468.51	23469.51	1.00	1.19	1.19	1.19	71	148.8
3-Mar-17	10:30	Fine	19341	2.8448	2.8618	23469.51	23470.51	1.00	1.24	1.24	1.24	74	229.2
3-Mar-17	13:00	Fine	19335	2.8401	2.9098	23470.51	23471.51	1.00	1.24	1.24	1.24	74	939.9
9-Mar-17	13:00	Cloudy	19656	2.8330	2.8446	23495.51	23496.51	1.00	1.24	1.24	1.24	74	156.5
9-Mar-17	14:46	Cloudy	19655	2.8200	2.8305	23496.51	23497.51	1.00	1.24	1.24	1.24	74	141.6
9-Mar-17	15:50	Cloudy	19651	2.8279	2.8370	23497.51	23498.51	1.00	1.19	1.19	1.19	71	127.8
15-Mar-17	8:05	Cloudy	19721	2.8386	2.8449	23522.80	23523.80	1.00	1.24	1.24	1.24	74	84.9
15-Mar-17	10:10	Cloudy	19717	2.8269	2.8335	23523.80	23524.80	1.00	1.19	1.19	1.19	71	92.6
15-Mar-17	15:50	Cloudy	19708	2.8324	2.8424	23524.80	23525.80	1.00	1.24	1.24	1.24	74	134.8
21-Mar-17	9:05	Cloudy	19295	2.8581	2.8616	23549.81	23550.81	1.00	1.18	1.18	1.18	71	49.5
21-Mar-17	10:35	Cloudy	19288	2.8286	2.8326	23550.81	23551.81	1.00	1.18	1.18	1.18	71	56.6
21-Mar-17	13:00	Cloudy	19279	2.8309	2.8336	23551.81	23552.81	1.00	1.18	1.18	1.18	71	38.2
27-Mar-17	9:00	Fine	19596	2.8451	2.8544	23589.09	23590.09	1.00	1.28	1.28	1.28	77	120.7
27-Mar-17	10:06	Fine	19567	2.8081	2.8200	23590.09	23591.09	1.00	1.28	1.28	1.28	77	154.4
27-Mar-17	13:00	Fine	19578	2.8331	2.8432	23591.09	23592.09	1.00	1.28	1.28	1.28	77	131.0



Location: CMA5b - 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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19475	2.8863	3.2871	8051.77	8075.77	24.00	0.97	0.97	0.97	1395	287.3
8-Mar-17	8:00	Rainy	19395	2.8372	3.0238	8078.77	8102.77	24.00	0.97	0.97	0.97	1398	133.4
14-Mar-17	8:00	Rainy	18502	2.8180	2.9047	8105.77	8129.77	24.00	0.85	0.85	0.85	1225	70.8
20-Mar-17	8:00	Cloudy	18496	2.8166	3.0109	8132.77	8156.77	24.00	0.96	0.96	0.96	1380	140.8
25-Mar-17	8:00	Cloudy	19283	2.8364	3.0069	8159.77	8183.77	24.00	0.91	0.92	0.91	1311	130.0

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:02	Fine	19537	2.8406	2.8635	8075.77	8076.77	1.00	1.09	1.15	1.12	67	341.6
3-Mar-17	9:30	Fine	19460	2.8701	2.8879	8076.77	8077.77	1.00	0.85	0.85	0.85	51	348.1
3-Mar-17	13:00	Fine	19337	2.8264	2.8745	8077.77	8078.77	1.00	0.97	0.97	0.97	58	826.4
9-Mar-17	9:30	Cloudy	18510	2.8400	2.8579	8102.77	8103.77	1.00	0.97	0.97	0.97	58	307.7
9-Mar-17	10:40	Cloudy	18507	2.8049	2.8254	8103.77	8104.77	1.00	1.09	1.09	1.09	65	314.3
9-Mar-17	13:00	Cloudy	18505	2.8040	2.8083	8104.77	8105.77	1.00	0.85	0.85	0.85	51	84.1
15-Mar-17	8:30	Cloudy	18513	2.8218	2.8319	8129.77	8130.77	1.00	0.97	0.97	0.97	58	173.4
15-Mar-17	9:38	Cloudy	19719	2.8359	2.8450	8130.77	8131.77	1.00	0.97	0.97	0.97	58	156.3
15-Mar-17	13:00	Cloudy	19715	2.8084	2.8257	8131.77	8132.77	1.00	0.97	0.97	0.97	58	297.0
21-Mar-17	8:30	Cloudy	19293	2.8433	2.8516	8156.77	8157.77	1.00	0.84	0.84	0.84	50	164.6
21-Mar-17	9:38	Cloudy	19289	2.8416	2.8515	8157.77	8158.77	1.00	0.96	0.96	0.96	57	172.4
21-Mar-17	13:00	Cloudy	19282	2.8482	2.8570	8158.77	8159.77	1.00	0.96	0.96	0.96	57	153.2
27-Mar-17	8:03	Fine	19602	2.8572	2.8677	8183.77	8184.77	1.00	0.85	0.85	0.85	51	205.4
27-Mar-17	9:45	Fine	19568	2.8204	2.8290	8184.77	8185.77	1.00	0.85	0.85	0.85	51	168.2
27-Mar-17	13:00	Fine	19816	2.8006	2.8178	8185.77	8186.77	1.00	0.85	0.88	0.87	52	330.7



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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19496	2.8851	3.0867	20389.46	20413.46	24.00	1.22	1.22	1.22	1753	115.0
8-Mar-17	8:00	Rainy	19316	2.8355	2.9465	20416.46	20440.46	24.00	1.22	1.22	1.22	1756	63.2
14-Mar-17	8:00	Rainy	18606	2.7999	2.8741	20443.46	20467.46	24.00	1.21	1.22	1.22	1752	42.4
20-Mar-17	8:00	Cloudy	19726	2.8161	2.9144	20470.46	20494.46	24.00	1.21	1.21	1.21	1738	56.6
25-Mar-17	8:00	Cloudy	19688	2.8512	2.9614	20497.46	20521.46	24.00	1.21	1.22	1.22	1754	62.8

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, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:03	Fine	19322	2.8644	2.8745	20413.46	20414.46	1.00	1.22	1.22	1.22	73	138.2
3-Mar-17	9:05	Fine	19319	2.8639	2.8717	20414.46	20415.46	1.00	1.22	1.22	1.22	73	106.7
3-Mar-17	10:08	Fine	19319	2.8362	2.8426	20415.46	20416.46	1.00	1.22	1.22	1.22	73	87.5
9-Mar-17	8:18	Cloudy	19127	2.8017	2.8072	20440.46	20441.46	1.00	1.22	1.22	1.22	73	75.3
9-Mar-17	9:21	Cloudy	19124	2.8686	2.8744	20441.46	20442.46	1.00	1.22	1.22	1.22	73	79.4
9-Mar-17	11:00	Cloudy	19124	2.8356	2.8427	20442.46	20443.46	1.00	1.22	1.22	1.22	73	97.2
15-Mar-17	8:05	Cloudy	19732	2.8097	2.8124	20467.46	20468.46	1.00	1.10	1.10	1.10	66	40.7
15-Mar-17	9:10	Cloudy	19729	2.8179	2.8206	20468.46	20469.46	1.00	1.22	1.22	1.22	73	36.9
15-Mar-17	11:00	Cloudy	19729	2.8385	2.8426	20469.46	20470.46	1.00	1.22	1.22	1.22	73	56.1
21-Mar-17	8:02	Cloudy	19694	2.8292	2.8312	20494.46	20495.46	1.00	1.21	1.21	1.21	72	27.6
21-Mar-17	9:05	Cloudy	19691	2.8388	2.8424	20495.46	20496.46	1.00	1.21	1.21	1.21	72	49.8
21-Mar-17	10:07	Cloudy	19691	2.8240	2.8294	20496.46	20497.46	1.00	1.21	1.21	1.21	72	74.6
27-Mar-17	8:02	Fine	19587	2.8401	2.8450	20521.46	20522.46	1.00	1.22	1.22	1.22	73	67.0
27-Mar-17	9:05	Fine	19584	2.8273	2.8341	20522.46	20523.46	1.00	1.22	1.22	1.22	73	93.0
27-Mar-17	10:07	Fine	19584	2.8599	2.8677	20523.46	20524.46	1.00	1.22	1.22	1.22	73	106.7



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

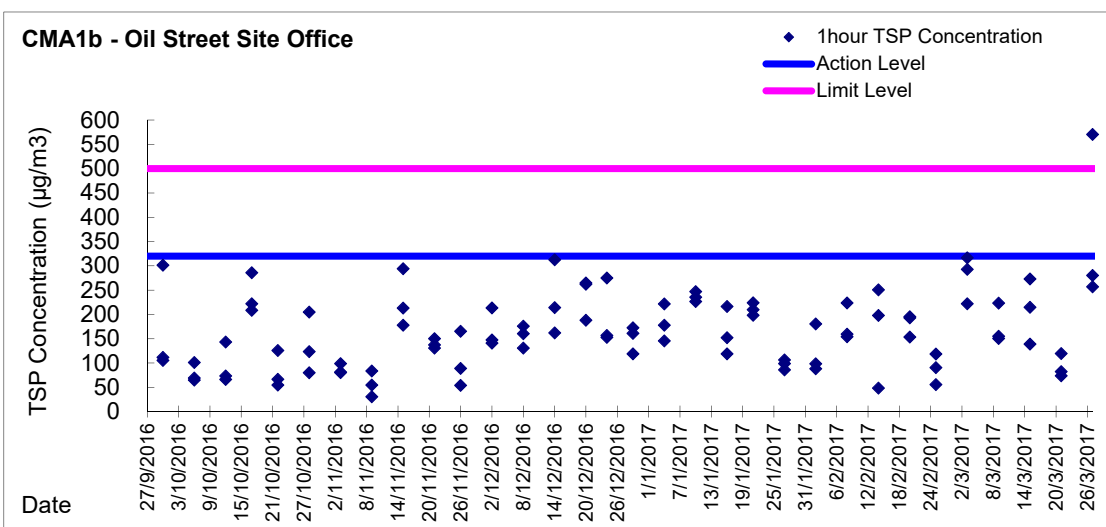
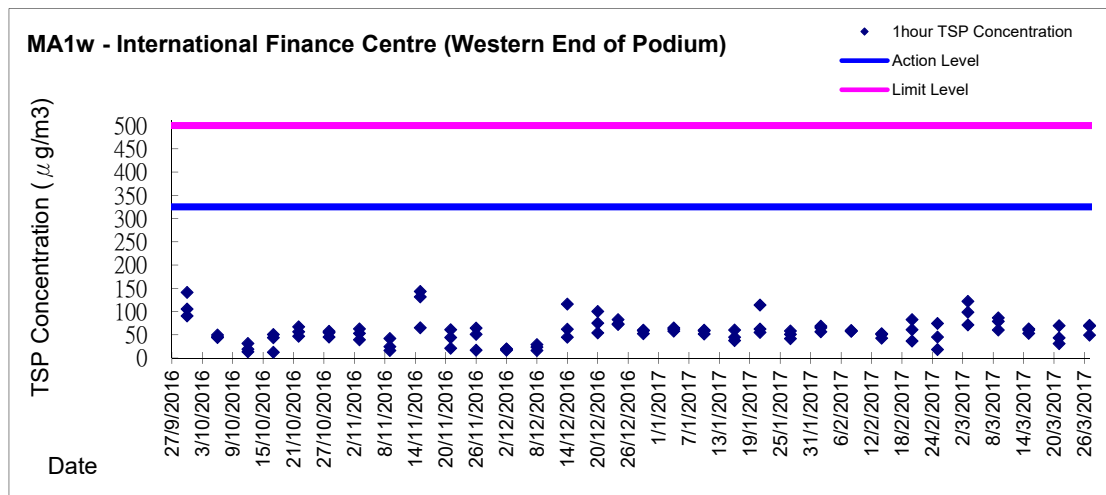
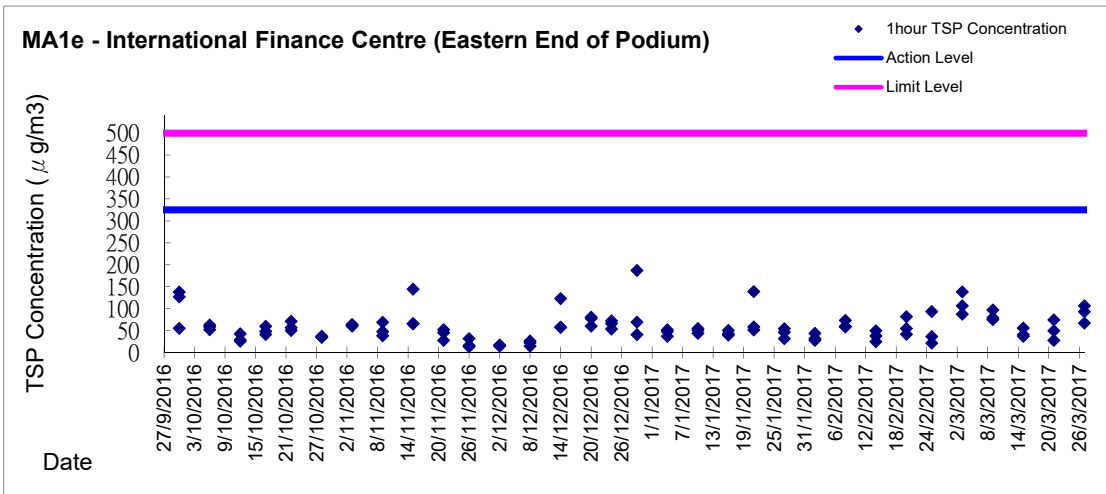
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
2-Mar-17	8:00	Fine	19495	2.8858	3.0733	20170.69	20194.69	24.00	1.35	1.35	1.35	1944	96.4
8-Mar-17	8:00	Rainy	19315	2.8310	2.9391	20197.69	20221.69	24.00	1.35	1.35	1.35	1947	55.5
14-Mar-17	8:00	Rainy	18607	2.7874	2.8666	20224.69	20248.69	24.00	1.35	1.35	1.35	1943	40.8
20-Mar-17	8:00	Cloudy	19725	2.8276	2.9160	20251.69	20275.69	24.00	1.34	1.34	1.34	1931	45.8
25-Mar-17	8:00	Cloudy	19687	2.8488	2.9482	20278.69	20302.69	24.00	1.35	1.36	1.35	1945	51.1

Report on 1-hour TSP monitoring

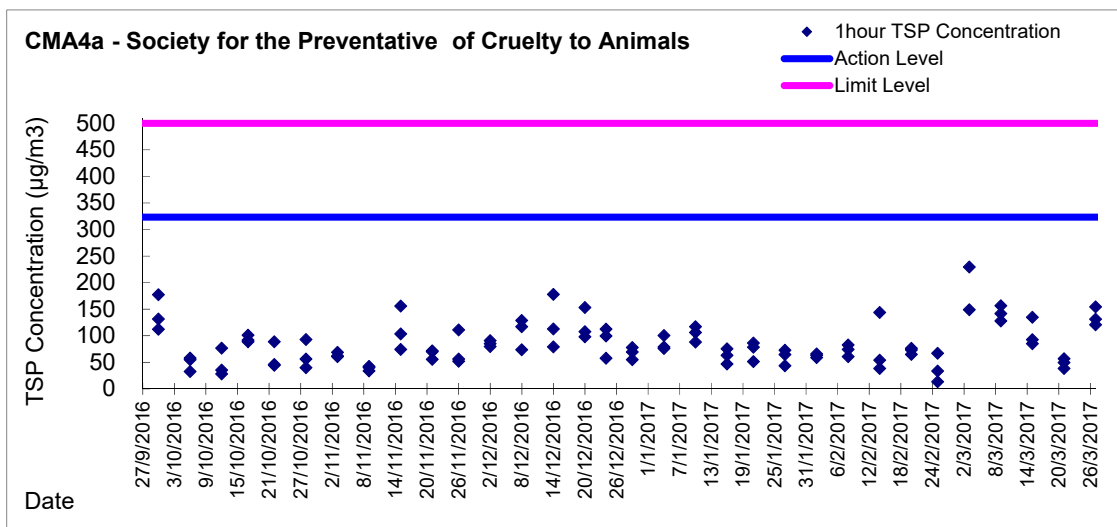
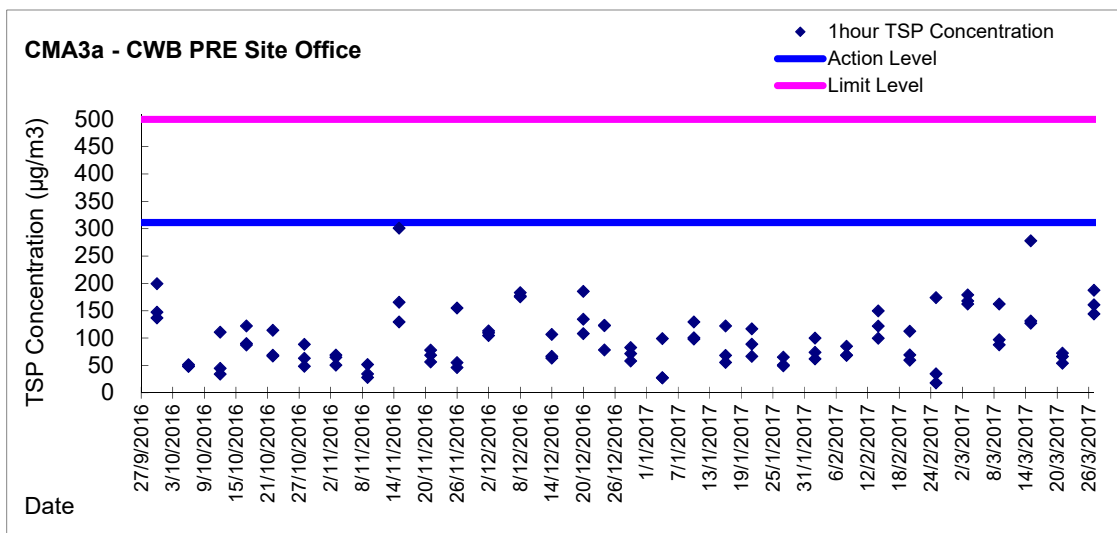
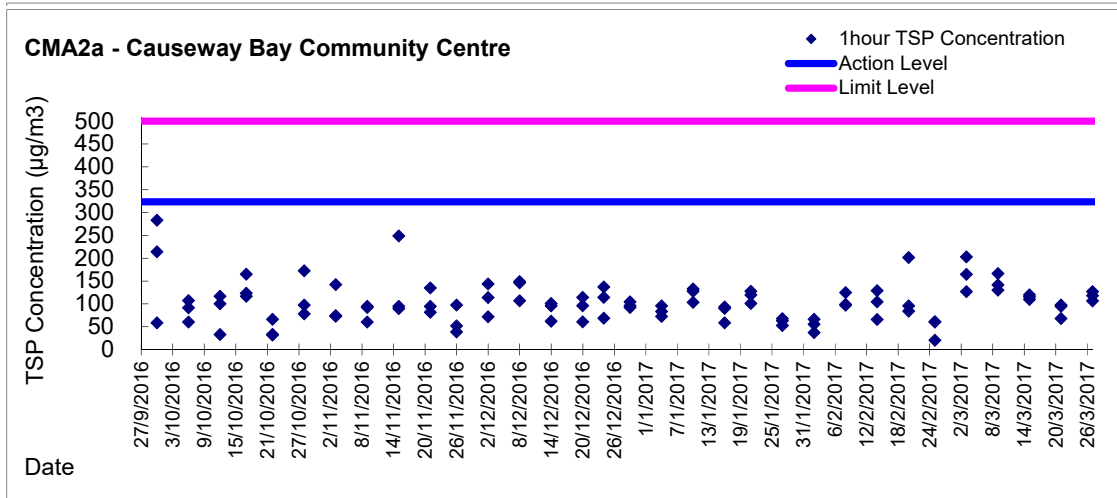
Action Level ($\mu\text{g}/\text{m}^3$) - 325.1
Limit Level ($\mu\text{g}/\text{m}^3$) - 500

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu\text{g}/\text{m}^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
3-Mar-17	8:05	Fine	19324	2.8604	2.8684	20194.69	20195.69	1.00	1.35	1.35	1.35	81	98.7
3-Mar-17	9:07	Fine	19321	2.8605	2.8663	20195.69	20196.69	1.00	1.35	1.35	1.35	81	71.5
3-Mar-17	10:09	Fine	19318	2.8533	2.8632	20196.69	20197.69	1.00	1.35	1.35	1.35	81	122.1
9-Mar-17	8:15	Cloudy	18525	2.8174	2.8223	20221.69	20222.69	1.00	1.35	1.35	1.35	81	60.5
9-Mar-17	9:19	Cloudy	19128	2.8534	2.8604	20222.69	20223.69	1.00	1.35	1.35	1.35	81	86.4
9-Mar-17	11:00	Cloudy	19125	2.8407	2.8471	20223.69	20224.69	1.00	1.35	1.35	1.35	81	79.0
15-Mar-17	8:07	Cloudy	19734	2.8499	2.8550	20248.69	20249.69	1.00	1.35	1.35	1.35	81	62.9
15-Mar-17	9:11	Cloudy	19731	2.8317	2.8360	20249.69	20250.69	1.00	1.35	1.35	1.35	81	53.0
15-Mar-17	10:16	Cloudy	19728	2.8313	2.8362	20250.69	20251.69	1.00	1.35	1.35	1.35	81	60.4
21-Mar-17	8:02	Cloudy	19695	2.8224	2.8249	20275.69	20276.69	1.00	1.34	1.34	1.34	80	31.1
21-Mar-17	9:05	Cloudy	19693	2.8302	2.8337	20276.69	20277.69	1.00	1.34	1.34	1.34	80	43.5
21-Mar-17	10:09	Cloudy	19690	2.8163	2.8219	20277.69	20278.69	1.00	1.34	1.34	1.34	80	69.6
27-Mar-17	8:05	Fine	19589	2.8459	2.8515	20302.69	20303.69	1.00	1.35	1.35	1.35	81	69.1
27-Mar-17	9:07	Fine	19586	2.8609	2.8666	20303.69	20304.69	1.00	1.35	1.35	1.35	81	70.3
27-Mar-17	10:09	Fine	19583	2.8377	2.8417	20304.69	20305.69	1.00	1.35	1.35	1.35	81	49.3

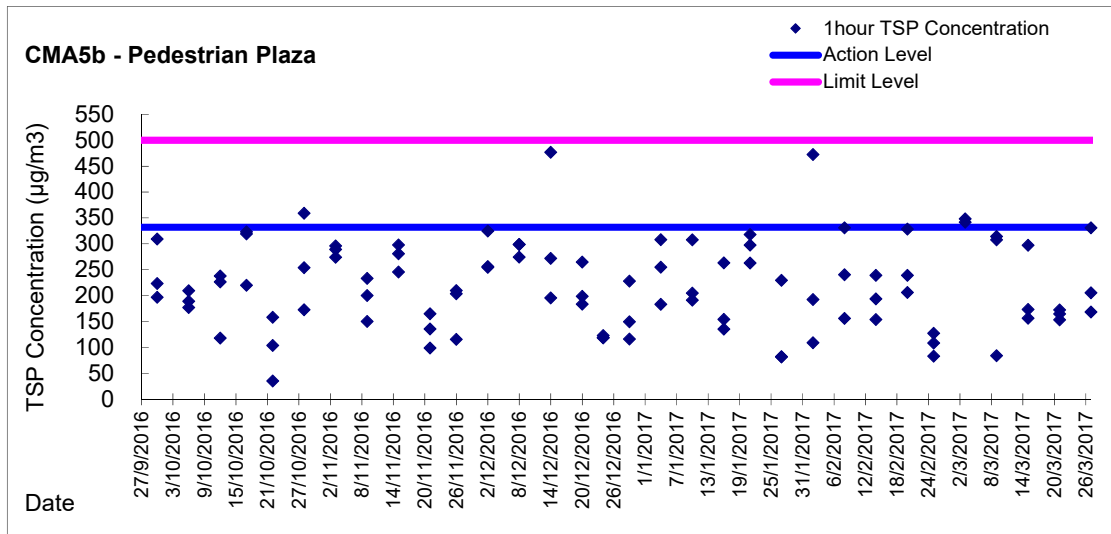
Graphic Presentation of 1 hour TSP Result



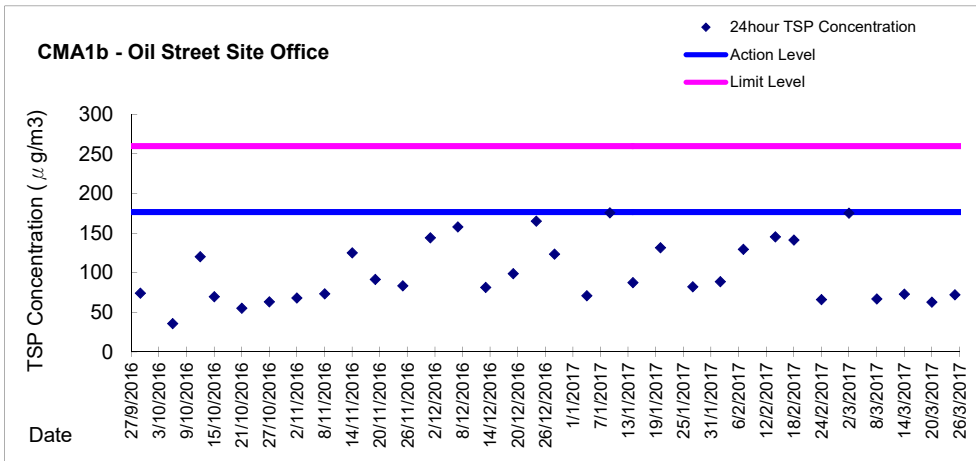
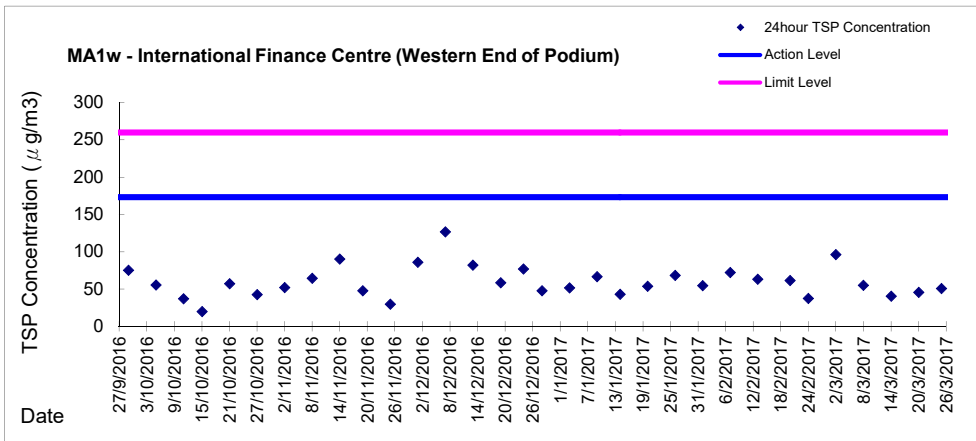
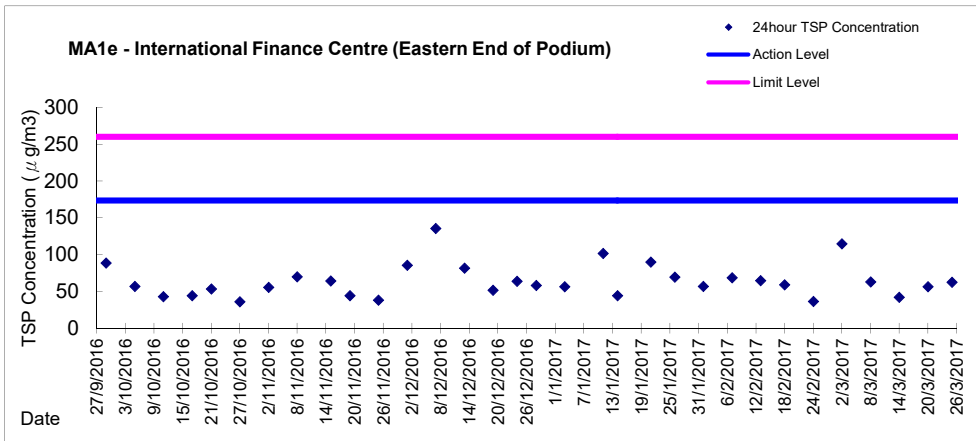
Graphic Presentation of 1 hour TSP Result



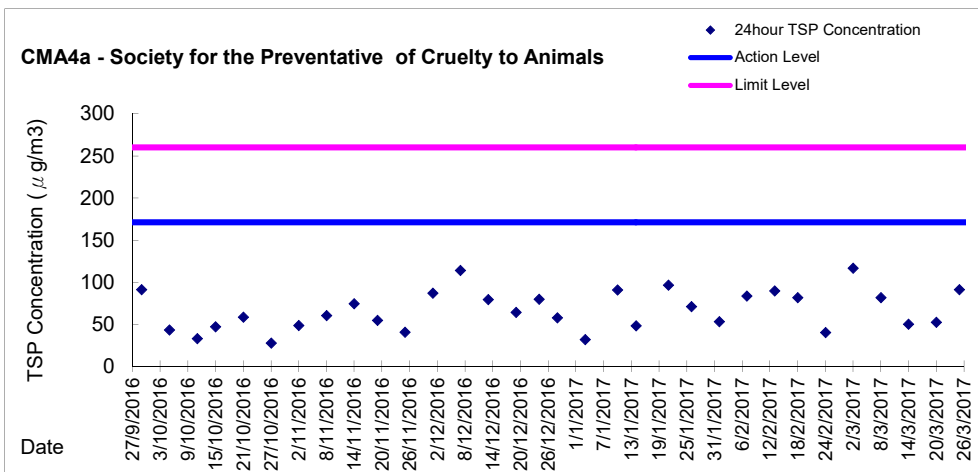
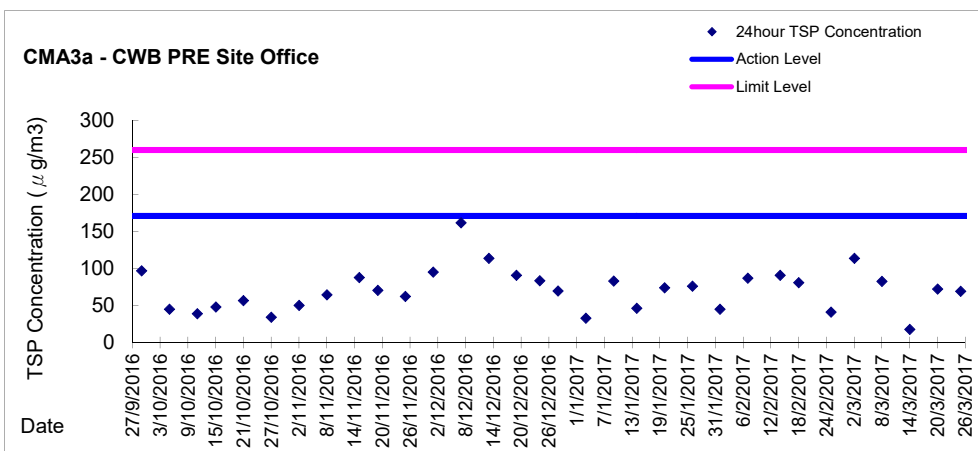
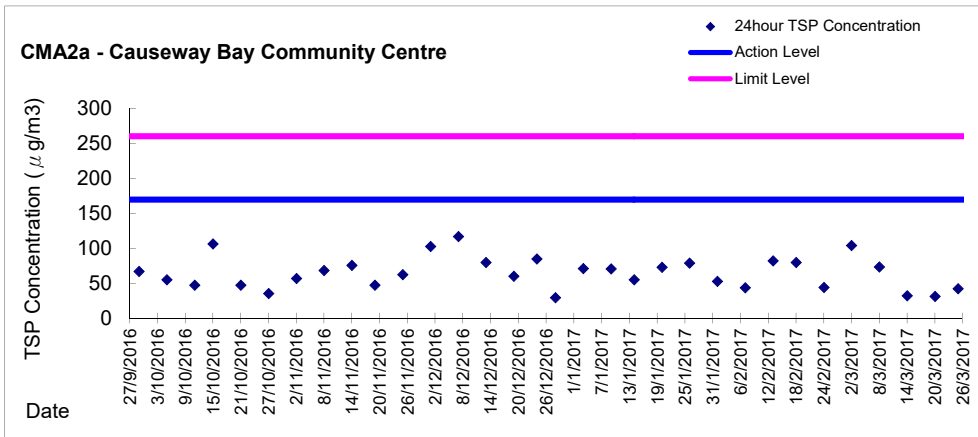
Graphic Presentation of 1 hour TSP Result



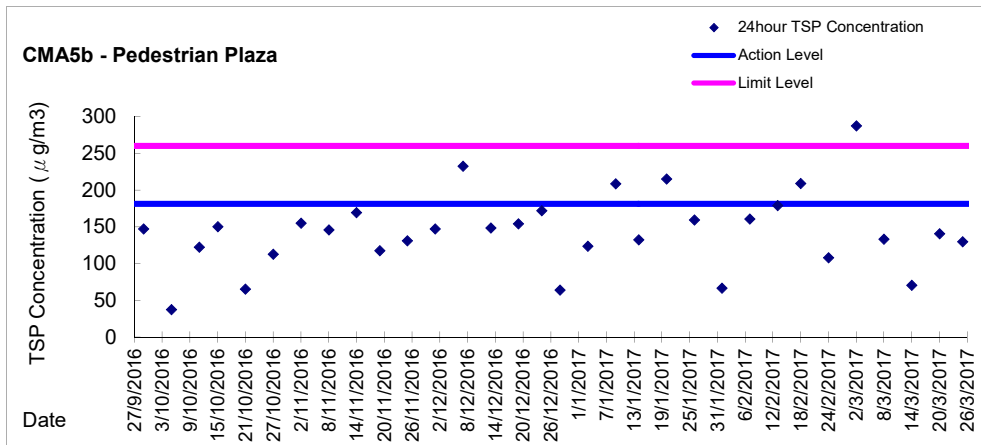
Graphic Presentation of 24 hour TSP Result



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)										
28/2/2017 20:56	64	2/3/2017 22:01	63	5/3/2017 7:06	66	5/3/2017 16:11	64	6/3/2017 21:16	63	8/3/2017 22:21	64
28/2/2017 21:01	65	2/3/2017 22:06	62	5/3/2017 7:11	63	5/3/2017 16:16	65	6/3/2017 21:21	63	8/3/2017 22:26	65
28/2/2017 21:06	63	2/3/2017 22:11	63	5/3/2017 7:16	63	5/3/2017 16:21	65	6/3/2017 21:26	63	8/3/2017 22:31	64
28/2/2017 21:11	63	2/3/2017 22:16	63	5/3/2017 7:21	64	5/3/2017 16:26	65	6/3/2017 21:31	62	8/3/2017 22:36	64
28/2/2017 21:16	64	2/3/2017 22:21	63	5/3/2017 7:26	65	5/3/2017 16:31	65	6/3/2017 21:36	63	8/3/2017 22:41	64
28/2/2017 21:21	63	2/3/2017 22:26	63	5/3/2017 7:31	64	5/3/2017 16:36	66	6/3/2017 21:41	63	8/3/2017 22:46	64
28/2/2017 21:26	63	2/3/2017 22:31	64	5/3/2017 7:36	65	5/3/2017 16:41	66	6/3/2017 21:46	62	8/3/2017 22:51	64
28/2/2017 21:31	63	2/3/2017 22:36	63	5/3/2017 7:41	64	5/3/2017 16:46	65	6/3/2017 21:51	63	8/3/2017 22:56	64
28/2/2017 21:36	65	2/3/2017 22:41	63	5/3/2017 7:46	64	5/3/2017 16:51	65	6/3/2017 21:56	63	9/3/2017 19:01	65
28/2/2017 21:41	64	2/3/2017 22:46	63	5/3/2017 7:51	64	5/3/2017 16:56	66	6/3/2017 22:01	63	9/3/2017 19:06	65
28/2/2017 21:46	63	2/3/2017 22:51	63	5/3/2017 7:56	64	5/3/2017 17:01	66	6/3/2017 22:06	63	9/3/2017 19:11	66
28/2/2017 21:51	64	2/3/2017 22:56	62	5/3/2017 8:01	65	5/3/2017 17:06	65	6/3/2017 22:11	63	9/3/2017 19:16	66
28/2/2017 21:56	63	3/3/2017 19:01	66	5/3/2017 8:06	64	5/3/2017 17:11	66	6/3/2017 22:16	64	9/3/2017 19:21	66
28/2/2017 22:01	65	3/3/2017 19:06	66	5/3/2017 8:11	64	5/3/2017 17:16	65	6/3/2017 22:21	63	9/3/2017 19:26	66
28/2/2017 22:06	63	3/3/2017 19:11	67	5/3/2017 8:16	64	5/3/2017 17:21	65	6/3/2017 22:26	63	9/3/2017 19:31	66
28/2/2017 22:11	64	3/3/2017 19:16	65	5/3/2017 8:21	64	5/3/2017 17:26	65	6/3/2017 22:31	63	9/3/2017 19:36	66
28/2/2017 22:16	65	3/3/2017 19:21	65	5/3/2017 8:26	65	5/3/2017 17:31	66	6/3/2017 22:36	63	9/3/2017 19:41	65
28/2/2017 22:21	63	3/3/2017 19:26	65	5/3/2017 8:31	65	5/3/2017 17:36	66	6/3/2017 22:41	63	9/3/2017 19:46	65
28/2/2017 22:26	65	3/3/2017 19:31	65	5/3/2017 8:36	65	5/3/2017 17:41	66	6/3/2017 22:46	63	9/3/2017 19:51	65
28/2/2017 22:31	63	3/3/2017 19:36	64	5/3/2017 8:41	65	5/3/2017 17:46	66	6/3/2017 22:51	63	9/3/2017 19:56	65
28/2/2017 22:36	63	3/3/2017 19:41	65	5/3/2017 8:46	65	5/3/2017 17:51	64	6/3/2017 22:56	63	9/3/2017 20:01	65
28/2/2017 22:41	63	3/3/2017 19:46	64	5/3/2017 8:51	65	5/3/2017 17:56	64	7/3/2017 19:01	64	9/3/2017 20:06	65
28/2/2017 22:46	64	3/3/2017 19:51	65	5/3/2017 8:56	65	5/3/2017 18:01	64	7/3/2017 19:06	65	9/3/2017 20:11	65
28/2/2017 22:51	63	3/3/2017 19:56	63	5/3/2017 9:01	64	5/3/2017 18:06	64	7/3/2017 19:11	65	9/3/2017 20:16	65
28/2/2017 22:56	63	3/3/2017 20:01	64	5/3/2017 9:06	64	5/3/2017 18:11	63	7/3/2017 19:16	65	9/3/2017 20:21	65
1/3/2017 19:01	65	3/3/2017 20:06	64	5/3/2017 9:11	65	5/3/2017 18:16	63	7/3/2017 19:21	65	9/3/2017 20:26	65
1/3/2017 19:06	66	3/3/2017 20:11	65	5/3/2017 9:16	64	5/3/2017 18:21	64	7/3/2017 19:26	65	9/3/2017 20:31	65
1/3/2017 19:11	66	3/3/2017 20:16	64	5/3/2017 9:21	64	5/3/2017 18:26	63	7/3/2017 19:31	65	9/3/2017 20:36	65
1/3/2017 19:16	66	3/3/2017 20:21	64	5/3/2017 9:26	64	5/3/2017 18:31	64	7/3/2017 19:36	64	9/3/2017 20:41	65
1/3/2017 19:21	66	3/3/2017 20:26	64	5/3/2017 9:31	64	5/3/2017 18:36	63	7/3/2017 19:41	65	9/3/2017 20:46	65
1/3/2017 19:26	66	3/3/2017 20:31	64	5/3/2017 9:36	63	5/3/2017 18:41	64	7/3/2017 19:46	63	9/3/2017 20:51	64
1/3/2017 19:31	64	3/3/2017 20:36	63	5/3/2017 9:41	63	5/3/2017 18:46	64	7/3/2017 19:51	64	9/3/2017 20:56	65
1/3/2017 19:36	64	3/3/2017 20:41	63	5/3/2017 9:46	63	5/3/2017 18:51	63	7/3/2017 19:56	64	9/3/2017 21:01	65
1/3/2017 19:41	64	3/3/2017 20:46	64	5/3/2017 9:51	62	5/3/2017 18:56	63	7/3/2017 20:01	64	9/3/2017 21:06	65
1/3/2017 19:46	64	3/3/2017 20:51	64	5/3/2017 9:56	64	5/3/2017 19:01	63	7/3/2017 20:06	64	9/3/2017 21:11	64
1/3/2017 19:51	64	3/3/2017 20:56	63	5/3/2017 10:01	65	5/3/2017 19:06	63	7/3/2017 20:11	64	9/3/2017 21:16	64
1/3/2017 19:56	63	3/3/2017 21:01	63	5/3/2017 10:06	65	5/3/2017 19:11	63	7/3/2017 20:16	64	9/3/2017 21:21	64
1/3/2017 20:01	64	3/3/2017 21:06	63	5/3/2017 10:11	64	5/3/2017 19:16	63	7/3/2017 20:21	63	9/3/2017 21:26	64
1/3/2017 20:06	63	3/3/2017 21:11	63	5/3/2017 10:16	64	5/3/2017 19:21	62	7/3/2017 20:26	64	9/3/2017 21:31	64
1/3/2017 20:11	63	3/3/2017 21:16	67	5/3/2017 10:21	64	5/3/2017 19:26	63	7/3/2017 20:31	63	9/3/2017 21:36	64
1/3/2017 20:16	63	3/3/2017 21:21	64	5/3/2017 10:26	64	5/3/2017 19:31	63	7/3/2017 20:36	63	9/3/2017 21:41	64
1/3/2017 20:21	63	3/3/2017 21:26	63	5/3/2017 10:31	64	5/3/2017 19:36	63	7/3/2017 20:41	64	9/3/2017 21:46	64
1/3/2017 20:26	63	3/3/2017 21:31	63	5/3/2017 10:36	65	5/3/2017 19:41	62	7/3/2017 20:46	63	9/3/2017 21:51	64
1/3/2017 20:31	63	3/3/2017 21:36	63	5/3/2017 10:41	64	5/3/2017 19:46	63	7/3/2017 20:51	63	9/3/2017 21:56	64
1/3/2017 20:36	63	3/3/2017 21:41	64	5/3/2017 10:46	64	5/3/2017 19:51	63	7/3/2017 20:56	64	9/3/2017 22:01	64
1/3/2017 20:41	63	3/3/2017 21:46	64	5/3/2017 10:51	64	5/3/2017 19:56	62	7/3/2017 21:01	63	9/3/2017 22:06	64
1/3/2017 20:46	63	3/3/2017 21:51	62	5/3/2017 10:56	64	5/3/2017 20:01	62	7/3/2017 21:06	63	9/3/2017 22:11	64
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1/3/2017 20:56	63	3/3/2017 22:01	63	5/3/2017 11:06	63	5/3/2017 20:11	62	7/3/2017 21:16	63	9/3/2017 22:21	65
1/3/2017 21:01	63	3/3/2017 22:06	63	5/3/2017 11:11	63	5/3/2017 20:16	63	7/3/2017 21:21	63	9/3/2017 22:26	65
1/3/2017 21:06	62	3/3/2017 22:11	64	5/3/2017 11:16	63	5/3/2017 20:21	62	7/3/2017 21:26	63	9/3/2017 22:31	64
1/3/2017 21:11	63	3/3/2017 22:16	64	5/3/2017 11:21	64	5/3/2017 20:26	62	7/3/2017 21:31	62	9/3/2017 22:36	64
1/3/2017 21:16	63	3/3/2017 22:21	63	5/3/2017 11:26	64	5/3/2017 20:31	62	7/3/2017 21:36	63	9/3/2017 22:41	64
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1/3/2017 21:26	62	3/3/2017 22:31	64	5/3/2017 11:36	63	5/3/2017 20:41	62	7/3/2017 21:46	63	9/3/2017 22:51	65
1/3/2017 21:31	63	3/3/2017 22:36	64	5/3/2017 11:41	64	5/3/2017 20:46	63	7/3/2017 21:51	63	9/3/2017 22:56	64
1/3/2017 21:36	63	3/3/2017 22:41	64	5/3/2017 11:46	63	5/3/2017 20:51	62	7/3/2017 21:56	64	10/3/2017 19:01	64
1/3/2017 21:41	63	3/3/2017 22:46	64	5/3/2017 11:51	64	5/3/2017 20:56	62	7/3/2017 22:01	63	10/3/2017 19:06	65
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1/3/2017 21:56	62	4/3/2017 19:01	66	5/3/2017 12:06	63	5/3/2017 21:11	62	7/3/2017 22:16	63	10/3/2017 19:21	66
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1/3/2017 22:21	64	4/3/2017 19:26	65	5/3/2017 12:31	64	5/3/2017 21:36	62	7/3/2017 22:41	64	10/3/2017 19:46	64
1/3/2017 22:26	62	4/3/2017 19:31	65	5/3/2017 12:36	64	5/3/2017 21:41	62	7/3/2017 22:46	65	10/3/2017 19:51	64
1/3/2017 22:31	66	4/3/2017 19:36	65	5/3/2017 12:41	64	5/3/2017 21:46	62	7/3/2017 22:51	63	10/3/2017 19:56	64
1/3/2017 22:36	63	4/3/2017 19:41	65	5/3/2017 12:46	65	5/3/2017 21:51	62	7/3/2017 22:56	62	10/3/2017 20:01	64
1/3/2017 22:41	63	4/3/2017 19:46	65	5/3/2017 12:51	64	5/3/2017 21:56	62	8/3/2017 19:01	67	10/3/2017 20:06	64
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1/3/2017 22:56	63	4/3/2017 20:01	65	5/3/2017 13:06	64	5/3/2017 22:11	62	8/3/2017 19:16	66	10/3/2017 20:21	64
2/3/2017 19:01	65	4/3/2017 20:06	65	5/3/2017 13:11	63	5/3/2017 22:16	63	8/3/2017 19:21	66	10/3/2017 20:26	63
2/3/2017 19:06	65	4/3/2017 20:11	64	5/3/2017 13:16	63	5/3/2017 22:21	62	8/3/2017 19:26	66	10/3/2017 20:31	63
2/3/2017 19:11	65	4/3/2017 20:16	64	5/3/2017 13:21	63	5/3/2017 22:26	61	8/3/2017 19:31	66	10/3/2017 20:36	63
2/3/2017 19:16	66	4/3/2017 20:21	64								

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
11/3/2017 19:26	65	12/3/2017 12:31	64	12/3/2017 21:36	63	14/3/2017 22:41	63	17/3/2017 19:46	65	19/3/2017 8:51	65
11/3/2017 19:31	64	12/3/2017 12:36	64	12/3/2017 21:41	63	14/3/2017 22:46	63	17/3/2017 19:51	66	19/3/2017 8:56	64
11/3/2017 19:36	64	12/3/2017 12:41	65	12/3/2017 21:46	63	14/3/2017 22:51	63	17/3/2017 19:56	65	19/3/2017 9:01	64
11/3/2017 19:41	64	12/3/2017 12:46	64	12/3/2017 21:51	63	14/3/2017 22:56	63	17/3/2017 20:01	65	19/3/2017 9:06	64
11/3/2017 19:46	64	12/3/2017 12:51	65	12/3/2017 21:56	63	15/3/2017 19:01	66	17/3/2017 20:06	65	19/3/2017 9:11	65
11/3/2017 19:51	63	12/3/2017 12:56	64	12/3/2017 22:01	63	15/3/2017 19:06	66	17/3/2017 20:11	66	19/3/2017 9:16	64
11/3/2017 19:56	64	12/3/2017 13:01	64	12/3/2017 22:06	63	15/3/2017 19:11	66	17/3/2017 20:16	65	19/3/2017 9:21	64
11/3/2017 20:01	63	12/3/2017 13:06	64	12/3/2017 22:11	63	15/3/2017 19:16	66	17/3/2017 20:21	66	19/3/2017 9:26	63
11/3/2017 20:06	64	12/3/2017 13:11	64	12/3/2017 22:16	63	15/3/2017 19:21	66	17/3/2017 20:26	65	19/3/2017 9:31	63
11/3/2017 20:11	63	12/3/2017 13:16	64	12/3/2017 22:21	64	15/3/2017 19:26	66	17/3/2017 20:31	65	19/3/2017 9:36	64
11/3/2017 20:16	63	12/3/2017 13:21	64	12/3/2017 22:26	63	15/3/2017 19:31	65	17/3/2017 20:36	66	19/3/2017 9:41	64
11/3/2017 20:21	63	12/3/2017 13:26	64	12/3/2017 22:31	63	15/3/2017 19:36	65	17/3/2017 20:41	65	19/3/2017 9:46	65
11/3/2017 20:26	63	12/3/2017 13:31	64	12/3/2017 22:36	63	15/3/2017 19:41	65	17/3/2017 20:46	65	19/3/2017 9:51	66
11/3/2017 20:31	64	12/3/2017 13:36	64	12/3/2017 22:41	63	15/3/2017 19:46	65	17/3/2017 20:51	65	19/3/2017 9:56	65
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Real-time Noise Data	RTN1 (Food and Environmental Hygiene Department Depot)					
19/3/2017 17:56 65	21/3/2017 19:01 66	23/3/2017 20:06 64	25/3/2017 21:11 63	26/3/2017 14:16 66	Night time: 23:00-07:00	
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20/3/2017 19:06 64	22/3/2017 20:11 65	24/3/2017 21:16 64	26/3/2017 10:21 67	26/3/2017 19:26 65	27/2/2017 5:01 58	
20/3/2017 19:11 64	22/3/2017 20:16 66	24/3/2017 21:21 63	26/3/2017 10:26 66	26/3/2017 19:31 64	27/2/2017 5:06 58	
20/3/2017 19:16 64	22/3/2017 20:21 65	24/3/2017 21:26 62	26/3/2017 10:31 65	26/3/2017 19:36 64	27/2/2017 5:11 57	
20/3/2017 19:21 64	22/3/2017 20:26 63	24/3/2017 21:31 63	26/3/2017 10:36 64	26/3/2017 19:41 64	27/2/2017 5:16 58	
20/3/2017 19:26 64	22/3/2017 20:31 64	24/3/2017 21:36 63	26/3/2017 10:41 65	26/3/2017 19:46 63	27/2/2017 5:21 59	
20/3/2017 19:31 63	22/3/2017 20:36 64	24/3/2017 21:41 63	26/3/2017 10:46 65	26/3/2017 19:51 64	27/2/2017 5:26 58	
20/3/2017 19:36 62	22/3/2017 20:41 64	24/3/2017 21:46 63	26/3/2017 10:51 64	26/3/2017 19:56 64	27/2/2017 5:31 58	
20/3/2017 19:41 63	22/3/2017 20:46 63	24/3/2017 21:51 64	26/3/2017 10:56 65	26/3/2017 20:01 64	27/2/2017 5:36 58	
20/3/2017 19:46 63	22/3/2017 20:51 64	24/3/2017 21:56 64	26/3/2017 11:01 65	26/3/2017 20:06 64	27/2/2017 5:41 59	
20/3/2017 19:51 63	22/3/2017 20:56 64	24/3/2017 22:01 63	26/3/2017 11:06 65	26/3/2017 20:11 64	27/2/2017 5:46 59	
20/3/2017 19:56 64	22/3/2017 21:01 64	24/3/2017 22:06 65	26/3/2017 11:11 64	26/3/2017 20:16 64	27/2/2017 5:51 60	
20/3/2017 20:01 64	22/3/2017 21:06 64	24/3/2017 22:11 64	26/3/2017 11:16 65	26/3/2017 20:21 64	27/2/2017 5:56 60	
20/3/2017 20:06 65	22/3/2017 21:11 64	24/3/2017 22:16 64	26/3/2017 11:21 65	26/3/2017 20:26 64	27/2/2017 6:01 60	
20/3/2017 20:11 64	22/3/2017 21:16 64	24/3/2017 22:21 65	26/3/2017 11:26 65	26/3/2017 20:31 65	27/2/2017 6:06 60	
20/3/2017 20:16 64	22/3/2017 21:21 64	24/3/2017 22:26 63	26/3/2017 11:31 65	26/3/2017 20:36 63	27/2/2017 6:11 61	
20/3/2017 20:21 64	22/3/2017 21:26 64	24/3/2017 22:31 63	26/3/2017 11:36 65	26/3/2017 20:41 64	27/2/2017 6:16 62	
20/3/2017 20:26 63	22/3/2017 21:31 65	24/3/2017 22:36 65	26/3/2017 11:41 65	26/3/2017 20:46 63	27/2/2017 6:21 61	
20/3/2017 20:31 64	22/3/2017 21:36 63	24/3/2017 22:41 64	26/3/2017 11:46 64	26/3/2017 20:51 64	27/2/2017 6:26 47	
20/3/2017 20:36 66	22/3/2017 21:41 63	24/3/2017 22:46 63	26/3/2017 11:51 66	26/3/2017 20:56 63	27/2/2017 6:31 52	
20/3/2017 20:41 64	22/3/2017 21:46 64	24/3/2017 22:51 63	26/3/2017 11:56 64	26/3/2017 21:01 63	27/2/2017 6:36 56	
20/3/2017 20:46 64	22/3/2017 21:51 64	24/3/2017 22:56 63	26/3/2017 12:01 64	26/3/2017 21:06 64	27/2/2017 6:41 53	
20/3/2017 20:51 64	22/3/2017 21:56 63	25/3/2017 19:01 64	26/3/2017 12:06 65	26/3/2017 21:11 64	27/2/2017 6:46 58	
20/3/2017 20:56 63	22/3/2017 22:01 65	25/3/2017 19:06 64	26/3/2017 12:11 64	26/3/2017 21:16 64	27/2/2017 6:51 59	
20/3/2017 21:01 63	22/3/2					

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
28/2/2017 0:56	61	1/3/2017 2:01	59	2/3/2017 3:06	57	3/3/2017 4:11	59	4/3/2017 5:16	58	5/3/2017 6:21	56
28/2/2017 1:01	59	1/3/2017 2:06	59	2/3/2017 3:11	58	3/3/2017 4:16	57	4/3/2017 5:21	59	5/3/2017 6:26	58
28/2/2017 1:06	62	1/3/2017 2:11	58	2/3/2017 3:16	59	3/3/2017 4:21	57	4/3/2017 5:26	60	5/3/2017 6:31	59
28/2/2017 1:11	60	1/3/2017 2:16	58	2/3/2017 3:21	57	3/3/2017 4:26	57	4/3/2017 5:31	59	5/3/2017 6:36	56
28/2/2017 1:16	59	1/3/2017 2:21	59	2/3/2017 3:26	58	3/3/2017 4:31	57	4/3/2017 5:36	58	5/3/2017 6:41	59
28/2/2017 1:21	59	1/3/2017 2:26	59	2/3/2017 3:31	57	3/3/2017 4:36	56	4/3/2017 5:41	60	5/3/2017 6:46	58
28/2/2017 1:26	60	1/3/2017 2:31	58	2/3/2017 3:36	58	3/3/2017 4:41	57	4/3/2017 5:46	59	5/3/2017 6:51	57
28/2/2017 1:31	60	1/3/2017 2:36	58	2/3/2017 3:41	57	3/3/2017 4:46	57	4/3/2017 5:51	59	5/3/2017 6:56	59
28/2/2017 1:36	59	1/3/2017 2:41	58	2/3/2017 3:46	57	3/3/2017 4:51	57	4/3/2017 5:56	60	5/3/2017 7:01	49
28/2/2017 1:41	60	1/3/2017 2:46	57	2/3/2017 3:51	57	3/3/2017 4:56	58	4/3/2017 6:01	59	5/3/2017 7:06	61
28/2/2017 1:46	59	1/3/2017 2:51	58	2/3/2017 3:56	57	3/3/2017 5:01	58	4/3/2017 6:06	59	5/3/2017 7:11	50
28/2/2017 1:51	59	1/3/2017 2:56	58	2/3/2017 4:01	56	3/3/2017 5:06	59	4/3/2017 6:11	60	5/3/2017 7:16	61
28/2/2017 1:56	58	1/3/2017 3:01	57	2/3/2017 4:06	57	3/3/2017 5:11	57	4/3/2017 6:16	60	5/3/2017 7:21	62
28/2/2017 2:01	59	1/3/2017 3:06	57	2/3/2017 4:11	57	3/3/2017 5:16	57	4/3/2017 6:21	60	5/3/2017 7:26	46
28/2/2017 2:06	58	1/3/2017 3:11	57	2/3/2017 4:16	58	3/3/2017 5:21	59	4/3/2017 6:26	61	5/3/2017 7:31	61
28/2/2017 2:11	58	1/3/2017 3:16	57	2/3/2017 4:21	56	3/3/2017 5:26	58	4/3/2017 6:31	61	5/3/2017 7:36	61
28/2/2017 2:16	58	1/3/2017 3:21	57	2/3/2017 4:26	57	3/3/2017 5:31	58	4/3/2017 6:36	62	5/3/2017 7:41	60
28/2/2017 2:21	58	1/3/2017 3:26	57	2/3/2017 4:31	57	3/3/2017 5:36	58	4/3/2017 6:41	62	5/3/2017 7:46	61
28/2/2017 2:26	59	1/3/2017 3:31	58	2/3/2017 4:36	56	3/3/2017 5:41	59	4/3/2017 6:46	49	5/3/2017 7:51	60
28/2/2017 2:31	58	1/3/2017 3:36	58	2/3/2017 4:41	58	3/3/2017 5:46	60	4/3/2017 6:51	54	5/3/2017 7:56	60
28/2/2017 2:36	58	1/3/2017 3:41	57	2/3/2017 4:46	57	3/3/2017 5:51	59	4/3/2017 6:56	52	5/3/2017 8:01	60
28/2/2017 2:41	58	1/3/2017 3:46	57	2/3/2017 4:51	57	3/3/2017 5:56	59	4/3/2017 7:01	61	5/3/2017 8:06	61
28/2/2017 2:46	58	1/3/2017 3:51	57	2/3/2017 4:56	58	3/3/2017 6:01	59	4/3/2017 7:06	60	5/3/2017 8:11	60
28/2/2017 2:51	57	1/3/2017 3:56	57	2/3/2017 5:01	57	3/3/2017 6:06	61	4/3/2017 7:11	60	5/3/2017 8:16	60
28/2/2017 2:56	57	1/3/2017 4:01	56	2/3/2017 5:06	57	3/3/2017 6:11	61	4/3/2017 7:16	61	5/3/2017 8:21	59
28/2/2017 3:01	58	1/3/2017 4:06	57	2/3/2017 5:11	58	3/3/2017 6:16	61	4/3/2017 7:21	60	5/3/2017 8:26	59
28/2/2017 3:06	58	1/3/2017 4:11	58	2/3/2017 5:16	58	3/3/2017 6:21	61	4/3/2017 7:26	60	5/3/2017 8:31	60
28/2/2017 3:11	58	1/3/2017 4:16	57	2/3/2017 5:21	59	3/3/2017 6:26	53	4/3/2017 7:31	59	5/3/2017 8:36	59
28/2/2017 3:16	57	1/3/2017 4:21	57	2/3/2017 5:26	59	3/3/2017 6:31	62	4/3/2017 7:36	58	5/3/2017 8:41	59
28/2/2017 3:21	58	1/3/2017 4:26	58	2/3/2017 5:31	58	3/3/2017 6:36	58	4/3/2017 7:41	61	5/3/2017 8:46	59
28/2/2017 3:26	59	1/3/2017 4:31	58	2/3/2017 5:36	59	3/3/2017 6:41	57	4/3/2017 7:46	59	5/3/2017 8:51	60
28/2/2017 3:31	57	1/3/2017 4:36	58	2/3/2017 5:41	59	3/3/2017 6:46	58	4/3/2017 7:51	59	5/3/2017 8:56	59
28/2/2017 3:36	58	1/3/2017 4:41	57	2/3/2017 5:46	59	3/3/2017 6:51	60	4/3/2017 7:56	59	5/3/2017 9:01	59
28/2/2017 3:41	57	1/3/2017 4:46	58	2/3/2017 5:51	60	3/3/2017 6:56	58	5/3/2017 0:01	57	5/3/2017 9:06	59
28/2/2017 3:46	57	1/3/2017 4:51	59	2/3/2017 5:56	60	3/3/2017 7:01	58	5/3/2017 0:06	59	5/3/2017 9:11	58
28/2/2017 3:51	58	1/3/2017 4:56	57	2/3/2017 6:01	59	3/3/2017 7:06	57	5/3/2017 0:11	59	5/3/2017 9:16	59
28/2/2017 3:56	58	1/3/2017 5:01	58	2/3/2017 6:06	61	3/3/2017 7:11	56	5/3/2017 0:16	58	5/3/2017 9:21	59
28/2/2017 4:01	56	1/3/2017 5:06	58	2/3/2017 6:11	60	3/3/2017 7:16	60	5/3/2017 0:21	57	5/3/2017 9:26	59
28/2/2017 4:06	57	1/3/2017 5:11	58	2/3/2017 6:16	61	3/3/2017 7:21	56	5/3/2017 0:26	59	5/3/2017 9:31	58
28/2/2017 4:11	58	1/3/2017 5:16	57	2/3/2017 6:21	61	3/3/2017 7:26	55	5/3/2017 0:31	58	5/3/2017 9:36	58
28/2/2017 4:16	57	1/3/2017 5:21	59	2/3/2017 6:26	47	3/3/2017 7:31	54	5/3/2017 0:36	57	5/3/2017 9:41	58
28/2/2017 4:21	57	1/3/2017 5:26	58	2/3/2017 6:31	49	3/3/2017 7:36	54	5/3/2017 0:41	57	5/3/2017 9:46	58
28/2/2017 4:26	58	1/3/2017 5:31	59	2/3/2017 6:36	55	3/3/2017 7:41	56	5/3/2017 0:46	57	5/3/2017 9:51	57
28/2/2017 4:31	57	1/3/2017 5:36	59	2/3/2017 6:41	58	3/3/2017 7:46	42	5/3/2017 0:51	56	5/3/2017 9:56	57
28/2/2017 4:36	57	1/3/2017 5:41	60	2/3/2017 6:46	57	3/3/2017 7:51	62	5/3/2017 0:56	57	5/3/2017 10:01	57
28/2/2017 4:41	57	1/3/2017 5:46	60	2/3/2017 6:51	59	3/3/2017 7:56	48	5/3/2017 1:01	56	5/3/2017 10:06	58
28/2/2017 4:46	57	1/3/2017 5:51	60	2/3/2017 6:56	59	4/3/2017 0:01	62	5/3/2017 1:06	58	5/3/2017 10:11	57
28/2/2017 4:51	58	1/3/2017 5:56	60	2/3/2017 7:01	56	4/3/2017 0:06	62	5/3/2017 1:11	56	5/3/2017 10:16	57
28/2/2017 4:56	58	1/3/2017 6:01	60	2/3/2017 7:06	57	4/3/2017 0:11	62	5/3/2017 1:16	55	5/3/2017 10:21	56
28/2/2017 5:01	57	1/3/2017 6:06	61	2/3/2017 7:11	64	4/3/2017 0:16	62	5/3/2017 1:21	54	5/3/2017 10:26	56
28/2/2017 5:06	57	1/3/2017 6:11	61	2/3/2017 7:16	56	4/3/2017 0:21	52	5/3/2017 1:26	57	5/3/2017 10:31	56
28/2/2017 5:11	57	1/3/2017 6:16	62	2/3/2017 7:21	48	4/3/2017 0:26	54	5/3/2017 1:31	57	5/3/2017 10:36	56
28/2/2017 5:16	58	1/3/2017 6:21	61	2/3/2017 7:26	57	4/3/2017 0:31	62	5/3/2017 1:36	57	5/3/2017 10:41	57
28/2/2017 5:21	59	1/3/2017 6:26	55	2/3/2017 7:31	45	4/3/2017 0:36	61	5/3/2017 1:41	54	5/3/2017 10:46	56
28/2/2017 5:26	59	1/3/2017 6:31	50	2/3/2017 7:36	49	4/3/2017 0:41	61	5/3/2017 1:46	51	5/3/2017 10:51	55
28/2/2017 5:31	59	1/3/2017 6:36	55	2/3/2017 7:41	52	4/3/2017 0:46	61	5/3/2017 1:51	49	5/3/2017 10:56	57
28/2/2017 5:36	59	1/3/2017 6:41	58	2/3/2017 7:46	62	4/3/2017 0:51	47	5/3/2017 1:56	51	5/3/2017 11:01	58
28/2/2017 5:41	59	1/3/2017 6:46	58	2/3/2017 7:51	61	4/3/2017 0:56	61	5/3/2017 2:01	53	5/3/2017 11:06	55
28/2/2017 5:46	59	1/3/2017 6:51	55	2/3/2017 7:56	61	4/3/2017 1:01	61	5/3/2017 2:06	50	5/3/2017 11:11	57
28/2/2017 5:51	60	1/3/2017 6:56	56	3/3/2017 0:01	40	4/3/2017 1:06	62	5/3/2017 2:11	51	5/3/2017 11:16	56
28/2/2017 5:56	60	1/3/2017 7:01	48	3/3/2017 0:06	62	4/3/2017 1:11	62	5/3/2017 2:16	52	5/3/2017 11:21	57
28/2/2017 6:01	60	1/3/2017 7:06	57	3/3/2017 0:11	61	4/3/2017 1:16	61	5/3/2017 2:21	59	5/3/2017 11:26	56
28/2/2017 6:06	60	1/3/2017 7:11	55	3/3/2017 0:16	61	4/3/2017 1:21	60	5/3/2017 2:26	49	5/3/2017 11:31	58
28/2/2017 6:11	61	1/3/2017 7:16	55	3/3/2017 0:21	54	4/3/2017 1:26	61	5/3/2017 2:31	52	5/3/2017 11:36	56
28/2/2017 6:16	60	1/3/2017 7:21	54	3/3/2017 0:26	61	4/3/2017 1:31	60	5/3/2017 2:36	53	5/3/2017 11:41	57
28/2/2017 6:21	61	1/3/2017 7:26	49	3/3/2017 0:31	54	4/3/2017 1:36	61	5/3/2017 2:41	51	5/3/2017 11:46	57
28/2/2017 6:26	61	1/3/2017 7:31	62	3/3/2017 0:36	60	4/3/2017 1:41	61	5/3/2017 2:46	47	5/3/2017 11:51	57
28/2/2017 6:31	54	1/3/2017 7:36	36	3/3/2017 0:41	61	4/3/2017 1:46	61	5/3/2017 2:51	62	5/3/2017 11:56	56
28/2/2017 6:36	55	1/3/2017 7:41	46	3/3/2017 0:46	60	4/3/2017 1:51	60	5/3/2017 2:56	62	5/3/2017 12:01	56
28/2/2017 6:41	56	1/3/2017 7:46	51	3/3/2017 0:51	61	4/3/2017 1:56	60	5/3/2017 3:01	62	5/3/2017 12:06	57
28/2/2017 6:46	60	1/3/2017 7:51	40	3/3/2017 0:56	52	4/3/2017 2:01	60	5/3/2017 3:06	50	5/3/2017 12:11	57
28/2/2017 6:51	58	1/3/2017 7:56	50	3/3/2017 1:01	61	4/3/2017 2:06	60	5/3/2017 3:11	61	5/3/2017 12:16	56
28/2/2017 6:56	60	2/3/2017 0:01	62	3/3/2017 1:06	61	4/3/2017 2:11	60	5/3/2017 3:16	62	5/3/2017 12:21	56
28/2/2017 7:01	54	2/3/2017 0:06	61	3/3/2017 1:11	60	4/3/2017 2:16	59	5/3/2017 3:21	61	5/3/2017 12:26	57
28/2/2017 7:06	57	2/3/2017 0:11	61	3/3/2017 1:16	60	4/3/2017 2:21	60	5/3/2017 3:26	62	5/3/2017 12:31	57
28/2/2017 7:11	55	2/3/2017 0:16	61	3/3/2017 1:21	60	4/3/2017 2:26	60	5/3/2017 3:31	62	5/3/2017 12:36	56
28/2/2017 7:16	55	2/3/2017 0:21	62	3/3/2017 1:26	60	4/3/2017 2:31	60	5/3/2017 3:36	62	5/3/2017 12:41	56
28/2/2017 7:21	47	2/3/2017 0:26	61	3/3/2017 1:31	60	4/3/2017 2:36	59	5/3/2017 3:41	49	5/3/2017 12:46	57
28/2/2017 7:26	55	2/3/2017 0:31	60	3/3/2017 1:36	55	4/3/2017 2:41					

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
6/3/2017 23:26	46	8/3/2017 0:31	60	9/3/2017 1:36	56	10/3/2017 2:41	62	11/3/2017 3:46	57	12/3/2017 4:51	58
6/3/2017 23:31	62	8/3/2017 0:36	61	9/3/2017 1:41	58	10/3/2017 2:46	62	11/3/2017 3:51	58	12/3/2017 4:56	58
6/3/2017 23:36	61	8/3/2017 0:41	59	9/3/2017 1:46	55	10/3/2017 2:51	61	11/3/2017 3:56	58	12/3/2017 5:01	57
6/3/2017 23:41	61	8/3/2017 0:46	60	9/3/2017 1:51	53	10/3/2017 2:56	62	11/3/2017 4:01	57	12/3/2017 5:06	58
6/3/2017 23:46	61	8/3/2017 0:51	59	9/3/2017 1:56	53	10/3/2017 3:01	61	11/3/2017 4:06	58	12/3/2017 5:11	58
6/3/2017 23:51	61	8/3/2017 0:56	61	9/3/2017 2:01	49	10/3/2017 3:06	61	11/3/2017 4:11	57	12/3/2017 5:16	58
6/3/2017 23:56	61	8/3/2017 1:01	60	9/3/2017 2:06	47	10/3/2017 3:11	61	11/3/2017 4:16	59	12/3/2017 5:21	58
7/3/2017 0:01	61	8/3/2017 1:06	60	9/3/2017 2:11	62	10/3/2017 3:16	61	11/3/2017 4:21	59	12/3/2017 5:26	58
7/3/2017 0:06	61	8/3/2017 1:11	59	9/3/2017 2:16	45	10/3/2017 3:21	61	11/3/2017 4:26	58	12/3/2017 5:31	59
7/3/2017 0:11	62	8/3/2017 1:16	59	9/3/2017 2:21	62	10/3/2017 3:26	61	11/3/2017 4:31	58	12/3/2017 5:36	59
7/3/2017 0:16	61	8/3/2017 1:21	60	9/3/2017 2:26	54	10/3/2017 3:31	61	11/3/2017 4:36	57	12/3/2017 5:41	59
7/3/2017 0:21	61	8/3/2017 1:26	59	9/3/2017 2:31	52	10/3/2017 3:36	62	11/3/2017 4:41	59	12/3/2017 5:46	60
7/3/2017 0:26	60	8/3/2017 1:31	59	9/3/2017 2:36	59	10/3/2017 3:41	61	11/3/2017 4:46	57	12/3/2017 5:51	60
7/3/2017 0:31	60	8/3/2017 1:36	61	9/3/2017 2:41	55	10/3/2017 3:46	62	11/3/2017 4:51	58	12/3/2017 5:56	60
7/3/2017 0:36	61	8/3/2017 1:41	58	9/3/2017 2:46	61	10/3/2017 3:51	61	11/3/2017 4:56	58	12/3/2017 6:01	60
7/3/2017 0:41	61	8/3/2017 1:46	58	9/3/2017 2:51	62	10/3/2017 3:56	56	11/3/2017 5:01	59	12/3/2017 6:06	60
7/3/2017 0:46	60	8/3/2017 1:51	59	9/3/2017 2:56	62	10/3/2017 4:01	61	11/3/2017 5:06	59	12/3/2017 6:11	61
7/3/2017 0:51	60	8/3/2017 1:56	58	9/3/2017 3:01	61	10/3/2017 4:06	61	11/3/2017 5:11	59	12/3/2017 6:16	60
7/3/2017 0:56	61	8/3/2017 2:01	59	9/3/2017 3:06	61	10/3/2017 4:11	61	11/3/2017 5:16	58	12/3/2017 6:21	61
7/3/2017 1:01	60	8/3/2017 2:06	58	9/3/2017 3:11	62	10/3/2017 4:16	61	11/3/2017 5:21	58	12/3/2017 6:26	62
7/3/2017 1:06	60	8/3/2017 2:11	58	9/3/2017 3:16	62	10/3/2017 4:21	61	11/3/2017 5:26	59	12/3/2017 6:31	62
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Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
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14/3/2017 3:11	57	15/3/2017 4:16	57	16/3/2017 5:21	58	17/3/2017 6:26	48	18/3/2017 7:31	58	20/3/2017 0:36	60
14/3/2017 3:16	57	15/3/2017 4:21	57	16/3/2017 5:26	58	17/3/2017 6:31	52	18/3/2017 7:36	57	20/3/2017 0:41	61
14/3/2017 3:21	57	15/3/2017 4:26	58	16/3/2017 5:31	59	17/3/2017 6:36	56	18/3/2017 7:41	53	20/3/2017 0:46	60
14/3/2017 3:26	57	15/3/2017 4:31	58	16/3/2017 5:36	59	17/3/2017 6:41	57	18/3/2017 7:46	51	20/3/2017 0:51	59
14/3/2017 3:31	58	15/3/2017 4:36	58	16/3/2017 5:41	59	17/3/2017 6:46	58	18/3/2017 7:51	62	20/3/2017 0:56	61
14/3/2017 3:36	57	15/3/2017 4:41	57	16/3/2017 5:46	60	17/3/2017 6:51	58	18/3/2017 7:56	43	20/3/2017 1:01	60
14/3/2017 3:41	57	15/3/2017 4:46	57	16/3/2017 5:51	60	17/3/2017 6:56	60	19/3/2017 0:01	50	20/3/2017 1:06	60
14/3/2017 3:46	57	15/3/2017 4:51	58	16/3/2017 5:56	60	17/3/2017 7:01	63	19/3/2017 0:06	62	20/3/2017 1:11	60
14/3/2017 3:51	57	15/3/2017 4:56	58	16/3/2017 6:01	60	17/3/2017 7:06	62	19/3/2017 0:11	61	20/3/2017 1:16	60
14/3/2017 3:56	57	15/3/2017 5:01	57	16/3/2017 6:06	61	17/3/2017 7:11	62	19/3/2017 0:16	49	20/3/2017 1:21	60
14/3/2017 4:01	57	15/3/2017 5:06	58	16/3/2017 6:11	61	17/3/2017 7:16	63	19/3/2017 0:21	62	20/3/2017 1:26	59
14/3/2017 4:06	58	15/3/2017 5:11	58	16/3/2017 6:16	61	17/3/2017 7:21	61	19/3/2017 0:26	62	20/3/2017 1:31	60
14/3/2017 4:11	57	15/3/2017 5:16	57	16/3/2017 6:21	62	17/3/2017 7:26	62	19/3/2017 0:31	55	20/3/2017 1:36	60
14/3/2017 4:16	58	15/3/2017									

Real-time Noise Data		RTN1 (Food and Environmental Hygiene Department Depot)									
20/3/2017 4:26	58	21/3/2017 5:31	58	22/3/2017 6:36	57	23/3/2017 23:41	54	25/3/2017 0:46	61	26/3/2017 1:51	61
20/3/2017 4:31	57	21/3/2017 5:36	59	22/3/2017 6:41	58	23/3/2017 23:46	54	25/3/2017 0:51	61	26/3/2017 1:56	61
20/3/2017 4:36	57	21/3/2017 5:41	59	22/3/2017 6:46	57	23/3/2017 23:51	46	25/3/2017 0:56	61	26/3/2017 2:01	60
20/3/2017 4:41	58	21/3/2017 5:46	60	22/3/2017 6:51	57	23/3/2017 23:56	52	25/3/2017 1:01	61	26/3/2017 2:06	60
20/3/2017 4:46	59	21/3/2017 5:51	60	22/3/2017 6:56	57	24/3/2017 0:01	62	25/3/2017 1:06	61	26/3/2017 2:11	60
20/3/2017 4:51	56	21/3/2017 5:56	59	22/3/2017 23:01	50	24/3/2017 0:06	61	25/3/2017 1:11	61	26/3/2017 2:16	59
20/3/2017 4:56	58	21/3/2017 6:01	60	22/3/2017 23:06	49	24/3/2017 0:11	61	25/3/2017 1:16	39	26/3/2017 2:21	60
20/3/2017 5:01	58	21/3/2017 6:06	60	22/3/2017 23:11	54	24/3/2017 0:16	61	25/3/2017 1:21	61	26/3/2017 2:26	59
20/3/2017 5:06	58	21/3/2017 6:11	61	22/3/2017 23:16	52	24/3/2017 0:21	61	25/3/2017 1:26	61	26/3/2017 2:31	59
20/3/2017 5:11	58	21/3/2017 6:16	61	22/3/2017 23:21	55	24/3/2017 0:26	62	25/3/2017 1:31	61	26/3/2017 2:36	60
20/3/2017 5:16	58	21/3/2017 6:21	62	22/3/2017 23:26	55	24/3/2017 0:31	62	25/3/2017 1:36	61	26/3/2017 2:41	59
20/3/2017 5:21	59	21/3/2017 6:26	57	22/3/2017 23:31	52	24/3/2017 0:36	61	25/3/2017 1:41	61	26/3/2017 2:46	60
20/3/2017 5:26	59	21/3/2017 6:31	53	22/3/2017 23:36	55	24/3/2017 0:41	61	25/3/2017 1:46	61	26/3/2017 2:51	60
20/3/2017 5:31	59	21/3/2017 6:36	56	22/3/2017 23:41	48	24/3/2017 0:46	61	25/3/2017 1:51	61	26/3/2017 2:56	60
20/3/2017 5:36	60	21/3/2017 6:41	60	22/3/2017 23:46	53	24/3/2017 0:51	61	25/3/2017 1:56	61	26/3/2017 3:01	59
20/3/2017 5:41	60	21/3/2017 6:46	58	22/3/2017 23:51	47	24/3/2017 0:56	61	25/3/2017 2:01	60	26/3/2017 3:06	59
20/3/2017 5:46	60	21/3/2017 6:51	60	22/3/2017 23:56	62	24/3/2017 1:01	60	25/3/2017 2:06	60	26/3/2017 3:11	59
20/3/2017 5:51	61	21/3/2017 6:56	55	23/3/2017 0:01	48	24/3/2017 1:06	61	25/3/2017 2:11	60	26/3/2017 3:16	60
20/3/2017 5:56	60	21/3/2017 23:01	44	23/3/2017 0:06	61	24/3/2017 1:11	60	25/3/2017 2:16	60	26/3/2017 3:21	59
20/3/2017 6:01	60	21/3/2017 23:06	55	23/3/2017 0:11	61	24/3/2017 1:16	61	25/3/2017 2:21	60	26/3/2017 3:26	58
20/3/2017 6:06	61	21/3/2017 23:11	56	23/3/2017 0:16	61	24/3/2017 1:21	60	25/3/2017 2:26	60	26/3/2017 3:31	59
20/3/2017 6:11	62	21/3/2017 23:16	57	23/3/2017 0:21	62	24/3/2017 1:26	60	25/3/2017 2:31	60	26/3/2017 3:36	59
20/3/2017 6:16	53	21/3/2017 23:21	53	23/3/2017 0:26	61	24/3/2017 1:31	60	25/3/2017 2:36	60	26/3/2017 3:41	60
20/3/2017 6:21	52	21/3/2017 23:26	54	23/3/2017 0:31	62	24/3/2017 1:36	59	25/3/2017 2:41	60	26/3/2017 3:46	58
20/3/2017 6:26	57	21/3/2017 23:31	56	23/3/2017 0:36	62	24/3/2017 1:41	59	25/3/2017 2:46	60	26/3/2017 3:51	59
20/3/2017 6:31	57	21/3/2017 23:36	62	23/3/2017 0:41	62	24/3/2017 1:46	59	25/3/2017 2:51	61	26/3/2017 3:56	59
20/3/2017 6:36	58	21/3/2017 23:41	53	23/3/2017 0:46	61	24/3/2017 1:51	59	25/3/2017 2:56	60	26/3/2017 4:01	58
20/3/2017 6:41	60	21/3/2017 23:46	55	23/3/2017 0:51	61	24/3/2017 1:56	59	25/3/2017 3:01	59	26/3/2017 4:06	59
20/3/2017 6:46	60	21/3/2017 23:51	54	23/3/2017 0:56	61	24/3/2017 2:01	59	25/3/2017 3:06	60	26/3/2017 4:11	58
20/3/2017 6:51	61	21/3/2017 23:56	62	23/3/2017 1:01	61	24/3/2017 2:06	58	25/3/2017 3:11	60	26/3/2017 4:16	59
20/3/2017 6:56	61	22/3/2017 0:01	62	23/3/2017 1:06	61	24/3/2017 2:11	58	25/3/2017 3:16	60	26/3/2017 4:21	58
20/3/2017 23:01	52	22/3/2017 0:06	62	23/3/2017 1:11	61	24/3/2017 2:16	57	25/3/2017 3:21	59	26/3/2017 4:26	59
20/3/2017 23:06	55	22/3/2017 0:11	61	23/3/2017 1:16	60	24/3/2017 2:21	58	25/3/2017 3:26	59	26/3/2017 4:31	59
20/3/2017 23:11	50	22/3/2017 0:16	61	23/3/2017 1:21	60	24/3/2017 2:26	59	25/3/2017 3:31	60	26/3/2017 4:36	58
20/3/2017 23:16	51	22/3/2017 0:21	61	23/3/2017 1:26	60	24/3/2017 2:31	58	25/3/2017 3:36	59	26/3/2017 4:41	58
20/3/2017 23:21	54	22/3/2017 0:26	62	23/3/2017 1:31	60	24/3/2017 2:36	58	25/3/2017 3:41	60	26/3/2017 4:46	58
20/3/2017 23:26	51	22/3/2017 0:31	61	23/3/2017 1:36	61	24/3/2017 2:41	58	25/3/2017 3:46	59	26/3/2017 4:51	59
20/3/2017 23:31	53	22/3/2017 0:36	61	23/3/2017 1:41	60	24/3/2017 2:46	58	25/3/2017 3:51	59	26/3/2017 4:56	58
20/3/2017 23:36	62	22/3/2017 0:41	60	23/3/2017 1:46	60	24/3/2017 2:51	57	25/3/2017 3:56	58	26/3/2017 5:01	57
20/3/2017 23:41	62	22/3/2017 0:46	61	23/3/2017 1:51	60	24/3/2017 2:56	58	25/3/2017 4:01	59	26/3/2017 5:06	58
20/3/2017 23:46	61	22/3/2017 0:51	61	23/3/2017 1:56	60	24/3/2017 3:01	57	25/3/2017 4:06	59	26/3/2017 5:11	58
20/3/2017 23:51	62	22/3/2017 0:56	60	23/3/2017 2:01	59	24/3/2017 3:06	57	25/3/2017 4:11	60	26/3/2017 5:16	59
20/3/2017 23:56	62	22/3/2017 1:01	60	23/3/2017 2:06	59	24/3/2017 3:11	57	25/3/2017 4:16	60	26/3/2017 5:21	59
21/3/2017 0:01	61	22/3/2017 1:06	61	23/3/2017 2:11	60	24/3/2017 3:16	57	25/3/2017 4:21	59	26/3/2017 5:26	59
21/3/2017 0:06	61	22/3/2017 1:11	60	23/3/2017 2:16	59	24/3/2017 3:21	58	25/3/2017 4:26	59	26/3/2017 5:31	59
21/3/2017 0:11	61	22/3/2017 1:16	62	23/3/2017 2:21	60	24/3/2017 3:26	57	25/3/2017 4:31	59	26/3/2017 5:36	59
21/3/2017 0:16	61	22/3/2017 1:21	60	23/3/2017 2:26	59	24/3/2017 3:31	58	25/3/2017 4:36	58	26/3/2017 5:41	59
21/3/2017 0:21	67	22/3/2017 1:26	60	23/3/2017 2:31	60	24/3/2017 3:36	58	25/3/2017 4:41	58	26/3/2017 5:46	59
21/3/2017 0:26	61	22/3/2017 1:31	60	23/3/2017 2:36	60	24/3/2017 3:41	57	25/3/2017 4:46	57	26/3/2017 5:51	60
21/3/2017 0:31	61	22/3/2017 1:36	60	23/3/2017 2:41	60	24/3/2017 3:46	57	25/3/2017 4:51	58	26/3/2017 5:56	60
21/3/2017 0:36	60	22/3/2017 1:41	59	23/3/2017 2:46	59	24/3/2017 3:51	58	25/3/2017 4:56	59	26/3/2017 6:01	59
21/3/2017 0:41	61	22/3/2017 1:46	60	23/3/2017 2:51	59	24/3/2017 3:56	58	25/3/2017 5:01	60	26/3/2017 6:06	60
21/3/2017 0:46	61	22/3/2017 1:51	59	23/3/2017 2:56	59	24/3/2017 4:01	58	25/3/2017 5:06	59	26/3/2017 6:11	60
21/3/2017 0:51	60	22/3/2017 1:56	58	23/3/2017 3:01	59	24/3/2017 4:06	57	25/3/2017 5:11	58	26/3/2017 6:16	61
21/3/2017 0:56	60	22/3/2017 2:01	59	23/3/2017 3:06	59	24/3/2017 4:11	58	25/3/2017 5:16	58	26/3/2017 6:21	60
21/3/2017 1:01	59	22/3/2017 2:06	58	23/3/2017 3:11	59	24/3/2017 4:16	57	25/3/2017 5:21	59	26/3/2017 6:26	45
21/3/2017 1:06	61	22/3/2017 2:11	58	23/3/2017 3:16	59	24/3/2017 4:21	56	25/3/2017 5:26	59	26/3/2017 6:31	39
21/3/2017 1:11	61	22/3/2017 2:16	58	23/3/2017 3:21	59	24/3/2017 4:26	57	25/3/2017 5:31	60	26/3/2017 6:36	61
21/3/2017 1:16	60	22/3/2017 2:21	58	23/3/2017 3:26	59	24/3/2017 4:31	57	25/3/2017 5:36	59	26/3/2017 6:41	42
21/3/2017 1:21	60	22/3/2017 2:26	58	23/3/2017 3:31	59	24/3/2017 4:36	57	25/3/2017 5:41	59	26/3/2017 6:46	62
21/3/2017 1:26	60	22/3/2017 2:31	59	23/3/2017 3:36	59	24/3/2017 4:41	58	25/3/2017 5:46	59	26/3/2017 6:51	62
21/3/2017 1:31	59	22/3/2017 2:36	58	23/3/2017 3:41	58	24/3/2017 4:46	56	25/3/2017 5:51	60	26/3/2017 6:56	61
21/3/2017 1:36	61	22/3/2017 2:41	58	23/3/2017 3:46	58	24/3/2017 4:51	58	25/3/2017 5:56	60	26/3/2017 7:01	54
21/3/2017 1:41	60	22/3/2017 2:46	59	23/3/2017 3:51	58	24/3/2017 4:56	58	25/3/2017 6:01	60	26/3/2017 7:06	52
21/3/2017 1:46	59	22/3/2017 2:51	58	23/3/2017 3:56	58	24/3/2017 5:01	57	25/3/2017 6:06	60	26/3/2017 7:11	53
21/3/2017 1:51	59	22/3/2017 2:56	57	23/3/2017 4:01	57	24/3/2017 5:06	58	25/3/2017 6:11	61	26/3/2017 7:16	56
21/3/2017 1:56	58	22/3/2017 3:01	58	23/3/2017 4:06	58	24/3/2017 5:11	58	25/3/2017 6:16	61	26/3/2017 7:21	57
21/3/2017 2:01	59	22/3/2017 3:06	57	23/3/2017 4:11	58	24/3/2017 5:16	58	25/3/2017 6:21	61	26/3/2017 7:26	52
21/3/2017 2:06	58	22/3/2017 3:11	57	23/3/2017 4:16	58	24/3/2017 5:21	59	25/3/2017 6:26	62	26/3/2017 7:31	62
21/3/2017 2:11	59	22/3/2017 3:16	58	23/3/2017 4:21	58	24/3/2017 5:26	59	25/3/2017 6:31	61	26/3/2017 7:36	61
21/3/2017 2:16	58	22/3/2017 3:21	58	23/3/2017 4:26	58	24/3/2017 5:31	58	25/3/2017 6:36	48	26/3/2017 7:41	50
21/3/2017 2:21	59	22/3/2017 3:26	58	23/3/2017 4:31	57	24/3/2017 5:36	59	25/3/2017 6:41	47	26/3/2017 7:46	49
21/3/2017 2:26	58	22/3/2017 3:31	57	23/3/2017 4:36	58	24/3/2017 5:41	58	25/3/2017 6:46	45	26/3/2017 7:51	48
21/3/2017 2:31	59	22/3/2017 3:36	58	23/3/2017 4:41	57	24/3/2017 5:46	60	25/3/2017 6:51	56	26/3/2017 7:56	48
21/3/2017 2:36	58	22/3/2017 3:41	58	23/3/2017 4:46	58	24/3/2017 5:51	60	25/3/2017 6:56	55	26/3/2017 23:56	48
21/3/2017 2:41	57	22/3/2017 3:46	58	23/3/2017 4:51	58	24/3/2017 5:56	61	25/3/2017 7:01	62		
21/3/2017 2:46	57	22/3/2017									

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
Normal Day 07:00-19:00											
27/2/2017 7:01	64	3/3/2017 12:31	77	9/3/2017 7:01	59	14/3/2017 13:31	66	20/3/2017 8:01	63	24/3/2017 14:31	54
27/2/2017 7:31	73	3/3/2017 13:01	78	9/3/2017 7:31	65	14/3/2017 14:01	66	20/3/2017 8:31	65	24/3/2017 15:01	66
27/2/2017 8:01	77	3/3/2017 13:31	76	9/3/2017 8:01	67	14/3/2017 14:31	66	20/3/2017 9:01	66	24/3/2017 15:31	66
27/2/2017 8:31	79	3/3/2017 14:01	75	9/3/2017 8:31	63	14/3/2017 15:01	66	20/3/2017 9:31	67	24/3/2017 16:01	67
27/2/2017 9:01	79	3/3/2017 14:31	75	9/3/2017 9:01	67	14/3/2017 15:31	65	20/3/2017 10:01	66	24/3/2017 16:31	65
27/2/2017 9:31	79	3/3/2017 15:01	74	9/3/2017 9:31	68	14/3/2017 16:01	54	20/3/2017 10:31	67	24/3/2017 17:01	63
27/2/2017 10:01	80	3/3/2017 15:31	-	9/3/2017 10:01	70	14/3/2017 16:31	66	20/3/2017 11:01	67	24/3/2017 17:31	61
27/2/2017 10:31	77	3/3/2017 16:01	66	9/3/2017 10:31	62	14/3/2017 17:01	65	20/3/2017 11:31	65	24/3/2017 18:01	61
27/2/2017 11:01	75	3/3/2017 16:31	67	9/3/2017 11:01	62	14/3/2017 17:31	60	20/3/2017 12:01	62	24/3/2017 18:31	61
27/2/2017 11:31	78	3/3/2017 17:01	54	9/3/2017 11:31	66	14/3/2017 18:01	58	20/3/2017 12:31	63	25/3/2017 7:01	58
27/2/2017 12:01	75	3/3/2017 17:31	65	9/3/2017 12:01	61	14/3/2017 18:31	59	20/3/2017 13:01	65	25/3/2017 7:31	62
27/2/2017 12:31	76	3/3/2017 18:01	66	9/3/2017 12:31	60	15/3/2017 7:01	57	20/3/2017 13:31	67	25/3/2017 8:01	58
27/2/2017 13:01	75	3/3/2017 18:31	63	9/3/2017 13:01	65	15/3/2017 7:31	60	20/3/2017 14:01	67	25/3/2017 8:31	68
27/2/2017 13:31	77	4/3/2017 7:01	60	9/3/2017 13:31	66	15/3/2017 8:01	65	20/3/2017 14:31	65	25/3/2017 9:01	67
27/2/2017 14:01	76	4/3/2017 7:31	65	9/3/2017 14:01	66	15/3/2017 8:31	65	20/3/2017 15:01	65	25/3/2017 9:31	67
27/2/2017 14:31	75	4/3/2017 8:01	62	9/3/2017 14:31	65	15/3/2017 9:01	65	20/3/2017 15:31	65	25/3/2017 10:01	68
27/2/2017 15:01	74	4/3/2017 8:31	63	9/3/2017 15:01	65	15/3/2017 9:31	66	20/3/2017 16:01	65	25/3/2017 10:31	74
27/2/2017 15:31	78	4/3/2017 9:01	66	9/3/2017 15:31	65	15/3/2017 10:01	66	20/3/2017 16:31	64	25/3/2017 11:01	59
27/2/2017 16:01	77	4/3/2017 9:31	63	9/3/2017 16:01	65	15/3/2017 10:31	65	20/3/2017 17:01	62	25/3/2017 11:31	64
27/2/2017 16:31	76	4/3/2017 10:01	62	9/3/2017 16:31	64	15/3/2017 11:01	65	20/3/2017 17:31	61	25/3/2017 12:01	62
27/2/2017 17:01	74	4/3/2017 10:31	43	9/3/2017 17:01	64	15/3/2017 11:31	63	20/3/2017 18:01	60	25/3/2017 12:31	62
27/2/2017 17:31	71	4/3/2017 11:01	62	9/3/2017 17:31	60	15/3/2017 12:01	60	20/3/2017 18:31	59	25/3/2017 13:01	66
27/2/2017 18:01	72	4/3/2017 11:31	65	9/3/2017 18:01	60	15/3/2017 12:31	63	21/3/2017 7:01	58	25/3/2017 13:31	55
27/2/2017 18:31	73	4/3/2017 12:01	61	9/3/2017 18:31	58	15/3/2017 13:01	65	21/3/2017 7:31	62	25/3/2017 14:01	52
28/2/2017 7:01	61	4/3/2017 12:31	62	10/3/2017 7:01	58	15/3/2017 13:31	67	21/3/2017 8:01	63	25/3/2017 14:31	61
28/2/2017 7:31	65	4/3/2017 13:01	61	10/3/2017 7:31	61	15/3/2017 14:01	66	21/3/2017 8:31	65	25/3/2017 15:01	67
28/2/2017 8:01	76	4/3/2017 13:31	68	10/3/2017 8:01	63	15/3/2017 14:31	66	21/3/2017 9:01	66	25/3/2017 15:31	67
28/2/2017 8:31	75	4/3/2017 14:01	67	10/3/2017 8:31	65	15/3/2017 15:01	64	21/3/2017 9:31	66	25/3/2017 16:01	66
28/2/2017 9:01	76	4/3/2017 14:31	67	10/3/2017 9:01	66	15/3/2017 15:31	64	21/3/2017 10:01	65	25/3/2017 16:31	66
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28/2/2017 10:01	77	4/3/2017 15:31	49	10/3/2017 10:01	66	15/3/2017 16:31	64	21/3/2017 11:01	67	25/3/2017 17:31	60
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28/2/2017 11:01	78	4/3/2017 16:31	64	10/3/2017 11:01	67	15/3/2017 17:31	60	21/3/2017 12:01	61	25/3/2017 18:31	58
28/2/2017 11:31	77	4/3/2017 17:01	62	10/3/2017 11:31	63	15/3/2017 18:01	60	21/3/2017 12:31	62		
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28/2/2017 12:31	70	4/3/2017 18:01	61	10/3/2017 12:31	63	16/3/2017 7:01	57	21/3/2017 13:31	66		
28/2/2017 13:01	71	4/3/2017 18:31	60	10/3/2017 13:01	66	16/3/2017 7:31	61	21/3/2017 14:01	67		
28/2/2017 13:31	75	6/3/2017 7:01	59	10/3/2017 13:31	67	16/3/2017 8:01	64	21/3/2017 14:31	65		
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28/2/2017 18:01	66	6/3/2017 11:31	65	10/3/2017 18:01	61	16/3/2017 12:31	61	22/3/2017 7:01	59	27/2/2017 19:41	57
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1/3/2017 14:01	75	7/3/2017 7:01	61	11/3/2017 14:01	64	17/3/2017 8:31	64	22/3/2017 15:01	66	27/2/2017 21:01	59
1/3/2017 14:31	74	7/3/2017 7:31	61	11/3/2017 14:31	67	17/3/2017 9:01	65	22/3/2017 15:31	56	27/2/2017 21:06	56
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1/3/2017 18:01	66	7/3/2017 11:01	62	11/3/2017 18:01	61	17/3/2017 12:31	65	23/3/2017 7:01	58	27/2/2017 21:41	55
1/3/2017 18:31	66	7/3/2017 11:31	66	11/3/2017 18:31	60	17/3/2017 13:01	66	23/3/2017 7:31	66	27/2/2017 21:46	56
1/3/2017 19:01	65	7/3/2017 12:01	67	11/3/2017 19:01	61	17/3/2017 13:31	67	23/3/2017 8:01	67	27/2/2017 21:51	55
2/3/2017 7:01	63	7/3/2017 12:31	63	13/3/2017 7:01	59	17/3/2017 14:01	67	23/3/2017 8:31	59	27/2/2017 21:56	57
2/3/2017 7:31	73	7/3/2017 13:01	65	13/3/2017 7:31	67	17/3/2017 14:31	66	23/3/2017 9:01	63	27/2/2017 22:01	56

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)										
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28/2/2017 21:01	59	2/3/2017 22:06	55	5/3/2017 7:11	55	5/3/2017 16:16	57	6/3/2017 21:21	56	8/3/2017 22:26	56
28/2/2017 21:06	61	2/3/2017 22:11	57	5/3/2017 7:16	57	5/3/2017 16:21	58	6/3/2017 21:26	55	8/3/2017 22:31	57
28/2/2017 21:11	56	2/3/2017 22:16	57	5/3/2017 7:21	57	5/3/2017 16:26	58	6/3/2017 21:31	55	8/3/2017 22:36	55
28/2/2017 21:16	55	2/3/2017 22:21	59	5/3/2017 7:26	56	5/3/2017 16:31	58	6/3/2017 21:36	56	8/3/2017 22:41	55
28/2/2017 21:21	56	2/3/2017 22:26	57	5/3/2017 7:31	56	5/3/2017 16:36	59	6/3/2017 21:41	56	8/3/2017 22:46	55
28/2/2017 21:26	57	2/3/2017 22:31	57	5/3/2017 7:36	58	5/3/2017 16:41	58	6/3/2017 21:46	55	8/3/2017 22:51	56
28/2/2017 21:31	56	2/3/2017 22:36	58	5/3/2017 7:41	61	5/3/2017 16:46	58	6/3/2017 21:51	55	8/3/2017 22:56	55
28/2/2017 21:36	55	2/3/2017 22:41	57	5/3/2017 7:46	57	5/3/2017 16:51	58	6/3/2017 21:56	56	9/3/2017 19:01	58
28/2/2017 21:41	62	2/3/2017 22:46	57	5/3/2017 7:51	57	5/3/2017 16:56	58	6/3/2017 22:01	56	9/3/2017 19:06	58
28/2/2017 21:46	56	2/3/2017 22:51	57	5/3/2017 7:56	59	5/3/2017 17:01	59	6/3/2017 22:06	57	9/3/2017 19:11	57
28/2/2017 21:51	56	2/3/2017 22:56	58	5/3/2017 8:01	57	5/3/2017 17:06	59	6/3/2017 22:11	55	9/3/2017 19:16	58
28/2/2017 21:56	59	3/3/2017 19:01	60	5/3/2017 8:06	56	5/3/2017 17:11	60	6/3/2017 22:16	58	9/3/2017 19:21	57
28/2/2017 22:01	57	3/3/2017 19:06	58	5/3/2017 8:11	56	5/3/2017 17:16	59	6/3/2017 22:21	57	9/3/2017 19:26	59
28/2/2017 22:06	59	3/3/2017 19:11	54	5/3/2017 8:16	58	5/3/2017 17:21	58	6/3/2017 22:26	56	9/3/2017 19:31	59
28/2/2017 22:11	56	3/3/2017 19:16	60	5/3/2017 8:21	58	5/3/2017 17:26	57	6/3/2017 22:31	57	9/3/2017 19:36	60
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28/2/2017 22:21	60	3/3/2017 19:26	59	5/3/2017 8:31	58	5/3/2017 17:36	59	6/3/2017 22:41	57	9/3/2017 19:46	57
28/2/2017 22:26	56	3/3/2017 19:31	59	5/3/2017 8:36	58	5/3/2017 17:41	58	6/3/2017 22:46	55	9/3/2017 19:51	58
28/2/2017 22:31	61	3/3/2017 19:36	59	5/3/2017 8:41	59	5/3/2017 17:46	58	6/3/2017 22:51	56	9/3/2017 19:56	57
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1/3/2017 22:56	57	4/3/2017 20:01	61	5/3/2017 13:06	58	5/3/2017 22:11	57	8/3/2017 19:16	57	10/3/2017 20:21	61
2/3/2017 19:01	56	4/3/2017 20:06	59	5/3/2017 13:11	57	5/3/2017 22:16	58	8/3/2017 19:21	57	10/3/2017 20:26	58
2/3/2017 19:06	57	4/3/2017 20:11	57	5/3/2017 13:16	58	5/3/2017 22:21	57	8/3/2017 19:26	58	10/3/2017 20:31	57
2/3/2017 19:11	56	4/3/2017 20:16	58	5/3/2017 13:21	58	5/3/2017 22:26	57	8/3/2017 19:31	54	10/3/2017 20:36	59
2/3/2017 19:16	57										

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
11/3/2017 19:26	62	12/3/2017 12:31	57	12/3/2017 21:36	56	14/3/2017 22:41	58	17/3/2017 19:46	59	19/3/2017 8:51	59
11/3/2017 19:31	62	12/3/2017 12:36	57	12/3/2017 21:41	57	14/3/2017 22:46	56	17/3/2017 19:51	59	19/3/2017 8:56	57
11/3/2017 19:36	59	12/3/2017 12:41	57	12/3/2017 21:46	56	14/3/2017 22:51	56	17/3/2017 19:56	57	19/3/2017 9:01	56
11/3/2017 19:41	60	12/3/2017 12:46	58	12/3/2017 21:51	57	14/3/2017 22:56	56	17/3/2017 20:01	59	19/3/2017 9:06	58
11/3/2017 19:46	61	12/3/2017 12:51	60	12/3/2017 21:56	57	15/3/2017 19:51	60	17/3/2017 20:06	57	19/3/2017 9:11	58
11/3/2017 19:51	58	12/3/2017 12:56	59	12/3/2017 22:01	57	15/3/2017 19:56	58	17/3/2017 20:11	61	19/3/2017 9:16	58
11/3/2017 19:56	61	12/3/2017 13:01	56	12/3/2017 22:06	57	15/3/2017 19:51	57	17/3/2017 20:16	57	19/3/2017 9:21	58
11/3/2017 20:01	60	12/3/2017 13:06	56	12/3/2017 22:11	56	15/3/2017 19:56	57	17/3/2017 20:21	58	19/3/2017 9:26	58
11/3/2017 20:06	60	12/3/2017 13:11	57	12/3/2017 22:16	57	15/3/2017 19:21	58	17/3/2017 20:26	57	19/3/2017 9:31	58
11/3/2017 20:11	59	12/3/2017 13:16	56	12/3/2017 22:21	60	15/3/2017 19:26	58	17/3/2017 20:31	57	19/3/2017 9:36	58
11/3/2017 20:16	58	12/3/2017 13:21	57	12/3/2017 22:26	58	15/3/2017 19:31	61	17/3/2017 20:36	59	19/3/2017 9:41	58
11/3/2017 20:21	58	12/3/2017 13:26	58	12/3/2017 22:31	57	15/3/2017 19:36	58	17/3/2017 20:41	59	19/3/2017 9:46	57
11/3/2017 20:26	59	12/3/2017 13:31	58	12/3/2017 22:36	58	15/3/2017 19:41	60	17/3/2017 20:46	57	19/3/2017 9:51	58
11/3/2017 20:31	61	12/3/2017 13:36	57	12/3/2017 22:41	58	15/3/2017 19:46	61	17/3/2017 20:51	57	19/3/2017 9:56	57
11/3/2017 20:36	54	12/3/2017 13:41	61	12/3/2017 22:46	56	15/3/2017 19:51	60	17/3/2017 20:56	58	19/3/2017 10:01	58
11/3/2017 20:41	58	12/3/2017 13:46	57	12/3/2017 22:51	57	15/3/2017 19:56	58	17/3/2017 21:01	57	19/3/2017 10:06	58
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11/3/2017 20:51	60	12/3/2017 13:56	58	13/3/2017 19:01	61	15/3/2017 20:06	59	17/3/2017 21:11	56	19/3/2017 10:16	57
11/3/2017 20:56	59	12/3/2017 14:01	57	13/3/2017 19:06	60	15/3/2017 20:11	60	17/3/2017 21:16	56	19/3/2017 10:21	58
11/3/2017 21:01	58	12/3/2017 14:06	57	13/3/2017 19:11	58	15/3/2017 20:16	59	17/3/2017 21:21	57	19/3/2017 10:26	58
11/3/2017 21:06	60	12/3/2017 14:11	57	13/3/2017 19:16	57	15/3/2017 20:21	57	17/3/2017 21:26	57	19/3/2017 10:31	57
11/3/2017 21:11	58	12/3/2017 14:16	57	13/3/2017 19:21	59	15/3/2017 20:26	61	17/3/2017 21:31	57	19/3/2017 10:36	57
11/3/2017 21:16	61	12/3/2017 14:21	58	13/3/2017 19:26	59	15/3/2017 20:31	58	17/3/2017 21:36	57	19/3/2017 10:41	57
11/3/2017 21:21	61	12/3/2017 14:26	57	13/3/2017 19:31	58	15/3/2017 20:36	57	17/3/2017 21:41	56	19/3/2017 10:46	57
11/3/2017 21:26	58	12/3/2017 14:31	57	13/3/2017 19:36	60	15/3/2017 20:41	56	17/3/2017 21:46	57	19/3/2017 10:51	58
11/3/2017 21:31	57	12/3/2017 14:36	57	13/3/2017 19:41	59	15/3/2017 20:46	57	17/3/2017 21:51	56	19/3/2017 10:56	57
11/3/2017 21:36	56	12/3/2017 14:41	56	13/3/2017 19:46	62	15/3/2017 20:51	56	17/3/2017 21:56	57	19/3/2017 11:01	58
11/3/2017 21:41	58	12/3/2017 14:46	57	13/3/2017 19:51	43	15/3/2017 20:56	57	17/3/2017 22:01	57	19/3/2017 11:06	58
11/3/2017 21:46	57	12/3/2017 14:51	57	13/3/2017 19:56	57	15/3/2017 21:01	59	17/3/2017 22:06	57	19/3/2017 11:11	59
11/3/2017 21:51	58	12/3/2017 14:56	58	13/3/2017 20:01	58	15/3/2017 21:06	57	17/3/2017 22:11	56	19/3/2017 11:16	58
11/3/2017 21:56	58	12/3/2017 15:01	56	13/3/2017 20:06	53	15/3/2017 21:11	57	17/3/2017 22:16	57	19/3/2017 11:21	57
11/3/2017 22:01	58	12/3/2017 15:06	58	13/3/2017 20:11	58	15/3/2017 21:16	57	17/3/2017 22:21	56	19/3/2017 11:26	57
11/3/2017 22:06	57	12/3/2017 15:11	60	13/3/2017 20:16	61	15/3/2017 21:21	56	17/3/2017 22:26	59	19/3/2017 11:31	57
11/3/2017 22:11	57	12/3/2017 15:16	57	13/3/2017 20:21	58	15/3/2017 21:26	57	17/3/2017 22:31	57	19/3/2017 11:36	58
11/3/2017 22:16	59	12/3/2017 15:21	59	13/3/2017 20:26	59	15/3/2017 21:31	56	17/3/2017 22:36	57	19/3/2017 11:41	57
11/3/2017 22:21	57	12/3/2017 15:26	58	13/3/2017 20:31	59	15/3/2017 21:36	56	17/3/2017 22:41	58	19/3/2017 11:46	58
11/3/2017 22:26	57	12/3/2017 15:31	58	13/3/2017 20:36	61	15/3/2017 21:41	57	17/3/2017 22:46	56	19/3/2017 11:51	57
11/3/2017 22:31	58	12/3/2017 15:36	56	13/3/2017 20:41	59	15/3/2017 21:46	57	17/3/2017 22:51	55	19/3/2017 11:56	58
11/3/2017 22:36	57	12/3/2017 15:41	58	13/3/2017 20:46	59	15/3/2017 21:51	59	17/3/2017 22:56	57	19/3/2017 12:01	58
11/3/2017 22:41	58	12/3/2017 15:46	57	13/3/2017 20:51	57	15/3/2017 21:56	57	18/3/2017 19:01	59	19/3/2017 12:06	58
11/3/2017 22:46	56	12/3/2017 15:51	56	13/3/2017 20:56	56	15/3/2017 22:01	56	18/3/2017 19:06	58	19/3/2017 12:11	58
11/3/2017 22:51	57	12/3/2017 15:56	58	13/3/2017 21:01	57	15/3/2017 22:06	58	18/3/2017 19:11	57	19/3/2017 12:16	59
11/3/2017 22:56	56	12/3/2017 16:01	57	13/3/2017 21:06	56	15/3/2017 22:11	58	18/3/2017 19:16	57	19/3/2017 12:21	60
12/3/2017 7:01	56	12/3/2017 16:06	57	13/3/2017 21:11	56	15/3/2017 22:16	57	18/3/2017 19:21	58	19/3/2017 12:26	59
12/3/2017 7:06	55	12/3/2017 16:11	57	13/3/2017 21:16	57	15/3/2017 22:21	60	18/3/2017 19:26	57	19/3/2017 12:31	62
12/3/2017 7:11	56	12/3/2017 16:16	57	13/3/2017 21:21	57	15/3/2017 22:26	60	18/3/2017 19:31	59	19/3/2017 12:36	58
12/3/2017 7:16	55	12/3/2017 16:21	56	13/3/2017 21:26	57	15/3/2017 22:31	59	18/3/2017 19:36	57	19/3/2017 12:41	60
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12/3/2017 7:26	57	12/3/2017 16:31	60	13/3/2017 21:36	57	15/3/2017 22:41	56	18/3/2017 19:46	57	19/3/2017 12:51	60
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12/3/2017 7:36	55	12/3/2017 16:41	57	13/3/2017 21:46	58	15/3/2017 22:51	55	18/3/2017 19:56	58	19/3/2017 13:01	58
12/3/2017 7:41	57	12/3/2017 16:46	58	13/3/2017 21:51	57	15/3/2017 22:56	57	18/3/2017 20:01	57	19/3/2017 13:06	58
12/3/2017 7:46	55	12/3/2017 16:51	57	13/3/2017 21:56	57	16/3/2017 19:01	61	18/3/2017 20:06	59	19/3/2017 13:11	53
12/3/2017 7:51	56	12/3/2017 16:56	58	13/3/2017 22:01	57	16/3/2017 19:06	59	18/3/2017 20:11	58	19/3/2017 13:16	58
12/3/2017 7:56	58	12/3/2017 17:01	58	13/3/2017 22:06	57	16/3/2017 19:11	57	18/3/2017 20:16	57	19/3/2017 13:21	60
12/3/2017 8:01	57	12/3/2017 17:06	56	13/3/2017 22:11	58	16/3/2017 19:16	60	18/3/2017 20:21	58	19/3/2017 13:26	58
12/3/2017 8:06	57	12/3/2017 17:11	59	13/3/2017 22:16	57	16/3/2017 19:21	59	18/3/2017 20:26	59	19/3/2017 13:31	58
12/3/2017 8:11	57	12/3/2017 17:16	56	13/3/2017 22:21	58	16/3/2017 19:26	57	18/3/2017 20:31	58	19/3/2017 13:36	60
12/3/2017 8:16	58	12/3/2017 17:21	57	13/3/2017 22:26	57	16/3/2017 19:31	58	18/3/2017 20:36	56	19/3/2017 13:41	58
12/3/2017 8:21	57	12/3/2017 17:26	57	13/3/2017 22:31	59	16/3/2017 19:36	61	18/3/2017 20:41	59	19/3/2017 13:46	59
12/3/2017 8:26	59	12/3/2017 17:31	59	13/3/2017 22:36	58	16/3/2017 19:41	61	18/3/2017 20:46	58	19/3/2017 13:51	58
12/3/2017 8:31	58	12/3/2017 17:36	57	13/3/2017 22:41	56	16/3/2017 19:46	61	18/3/2017 20:51	57	19/3/2017 13:56	58
12/3/2017 8:36	59	12/3/2017 17:41	57	13/3/2017 22:46	58	16/3/2017 19:51	61	18/3/2017 20:56	58	19/3/2017 14:01	58
12/3/2017 8:41	57	12/3/2017 17:46	60	13/3/2017 22:51	57	16/3/2017 19:56	59	18/3/2017 21:01	58	19/3/2017 14:06	58
12/3/2017 8:46	58	12/3/2017 17:51	58	13/3/2017 22:56	57	16/3/2017 20:01	60	18/3/2017 21:06	56	19/3/2017 14:11	57
12/3/2017 8:51	58	12/3/2017 17:56	57	14/3/2017 19:01	46	16/3/2017 20:06	56	18/3/2017 21:11	56	19/3/2017 14:16	50
12/3/2017 8:56	58	12/3/2017 18:01	58	14/3/2017 19:06	57	16/3/2017 20:11	60	18/3/2017 21:16	58	19/3/2017 14:21	57
12/3/2017 9:01	58	12/3/2017 18:06	58	14/3/2017 19:11	57	16/3/2017 20:16	61	18/3/2017 21:21	57	19/3/2017 14:26	57
12/3/2017 9:06	58	12/3/2017 18:11	58	14/3/2017 19:16	57	16/3/2017 20:21	60	18/3/2017 21:26	59	19/3/2017 14:31	60
12/3/2017 9:11	58	12/3/2017 18:16	58	14/3/2017 19:21	57	16/3/2017 20:26	58	18/3/2017 21:31	56	19/3/2017 14:36	57
12/3/2017 9:16	58	12/3/2017 18:21	60	14/3/2017 19:26	57	16/3/2017 20:31	61	18/3/2017 21:36	56	19/3/2017 14:41	58
12/3/2017 9:21	58	12/3/2017 18:26	58	14/3/2017 19:31	61	16/3/2017 20:36	60	18/3/2017 21:41	56	19/3/2017 14:46	58
12/3/2017 9:26	58	12/3/2017 18:31	58	14/3/2017 19:36	59	16/3/2017 20:41	58	18/3/2017 21:46	56	19/3/2017 14:51	60
12/3/2017 9:31	58	12/3/2017 18:36	57	14/3/2017 19:41	58	16/3/2017 20:46	56	18/3/2017 21:51			

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)						Night time: 23:00-07:00
19/3/2017 17:56 56	21/3/2017 19:01 59	23/3/2017 20:06 58	25/3/2017 21:11 60	26/3/2017 14:16 59			
19/3/2017 18:01 57	21/3/2017 19:06 58	23/3/2017 20:11 58	25/3/2017 21:16 56	26/3/2017 14:21 57			
19/3/2017 18:06 59	21/3/2017 19:11 59	23/3/2017 20:16 59	25/3/2017 21:21 56	26/3/2017 14:26 57			27/2/2017 0:01 54
19/3/2017 18:11 57	21/3/2017 19:16 58	23/3/2017 20:21 59	25/3/2017 21:26 56	26/3/2017 14:31 58			27/2/2017 0:06 53
19/3/2017 18:16 55	21/3/2017 19:21 59	23/3/2017 20:26 61	25/3/2017 21:31 55	26/3/2017 14:36 58			27/2/2017 0:11 53
19/3/2017 18:21 57	21/3/2017 19:26 58	23/3/2017 20:31 57	25/3/2017 21:36 57	26/3/2017 14:41 56			27/2/2017 0:16 53
19/3/2017 18:26 60	21/3/2017 19:31 60	23/3/2017 20:36 60	25/3/2017 21:41 56	26/3/2017 14:46 60			27/2/2017 0:21 53
19/3/2017 18:31 57	21/3/2017 19:36 61	23/3/2017 20:41 57	25/3/2017 21:46 56	26/3/2017 14:51 58			27/2/2017 0:26 53
19/3/2017 18:36 56	21/3/2017 19:41 57	23/3/2017 20:46 58	25/3/2017 21:51 57	26/3/2017 14:56 57			27/2/2017 0:31 52
19/3/2017 18:41 59	21/3/2017 19:46 58	23/3/2017 20:51 58	25/3/2017 21:56 58	26/3/2017 15:01 57			27/2/2017 0:36 52
19/3/2017 18:46 57	21/3/2017 19:51 59	23/3/2017 20:56 57	25/3/2017 22:01 59	26/3/2017 15:06 58			27/2/2017 0:41 56
19/3/2017 18:51 58	21/3/2017 19:56 58	23/3/2017 21:01 57	25/3/2017 22:06 59	26/3/2017 15:11 61			27/2/2017 0:46 51
19/3/2017 18:56 57	21/3/2017 20:01 57	23/3/2017 21:06 60	25/3/2017 22:11 56	26/3/2017 15:16 58			27/2/2017 0:51 53
19/3/2017 19:01 57	21/3/2017 20:06 58	23/3/2017 21:11 56	25/3/2017 22:16 56	26/3/2017 15:21 57			27/2/2017 0:56 52
19/3/2017 19:06 57	21/3/2017 20:11 57	23/3/2017 21:16 57	25/3/2017 22:21 57	26/3/2017 15:26 57			27/2/2017 1:01 52
19/3/2017 19:11 57	21/3/2017 20:16 58	23/3/2017 21:21 56	25/3/2017 22:26 57	26/3/2017 15:31 57			27/2/2017 1:06 52
19/3/2017 19:16 57	21/3/2017 20:21 59	23/3/2017 21:26 61	25/3/2017 22:31 56	26/3/2017 15:36 58			27/2/2017 1:11 52
19/3/2017 19:21 57	21/3/2017 20:26 57	23/3/2017 21:31 56	25/3/2017 22:36 58	26/3/2017 15:41 57			27/2/2017 1:16 52
19/3/2017 19:26 57	21/3/2017 20:31 57	23/3/2017 21:36 56	25/3/2017 22:41 59	26/3/2017 15:46 57			27/2/2017 1:21 52
19/3/2017 19:31 58	21/3/2017 20:36 59	23/3/2017 21:41 57	25/3/2017 22:46 59	26/3/2017 15:51 57			27/2/2017 1:26 52
19/3/2017 19:36 58	21/3/2017 20:41 57	23/3/2017 21:46 57	25/3/2017 22:51 56	26/3/2017 15:56 57			27/2/2017 1:31 52
19/3/2017 19:41 58	21/3/2017 20:46 57	23/3/2017 21:51 59	25/3/2017 22:56 57	26/3/2017 16:01 53			27/2/2017 1:36 51
19/3/2017 19:46 59	21/3/2017 20:51 57	23/3/2017 21:56 57	26/3/2017 7:01 55	26/3/2017 16:06 58			27/2/2017 1:41 51
19/3/2017 19:51 56	21/3/2017 20:56 56	23/3/2017 22:01 58	26/3/2017 7:06 55	26/3/2017 16:11 59			27/2/2017 1:46 53
19/3/2017 19:56 56	21/3/2017 21:01 56	23/3/2017 22:06 57	26/3/2017 7:11 55	26/3/2017 16:16 57			27/2/2017 1:51 52
19/3/2017 20:01 56	21/3/2017 21:06 56	23/3/2017 22:11 61	26/3/2017 7:16 55	26/3/2017 16:21 58			27/2/2017 1:56 52
19/3/2017 20:06 58	21/3/2017 21:11 56	23/3/2017 22:16 57	26/3/2017 7:21 55	26/3/2017 16:26 58			27/2/2017 2:01 52
19/3/2017 20:11 58	21/3/2017 21:16 56	23/3/2017 22:21 58	26/3/2017 7:26 56	26/3/2017 16:31 60			27/2/2017 2:06 51
19/3/2017 20:16 57	21/3/2017 21:21 56	23/3/2017 22:26 58	26/3/2017 7:31 59	26/3/2017 16:36 57			27/2/2017 2:11 51
19/3/2017 20:21 60	21/3/2017 21:26 55	23/3/2017 22:31 60	26/3/2017 7:36 57	26/3/2017 16:41 57			27/2/2017 2:16 53
19/3/2017 20:26 58	21/3/2017 21:31 56	23/3/2017 22:36 57	26/3/2017 7:41 57	26/3/2017 16:46 59			27/2/2017 2:21 51
19/3/2017 20:31 58	21/3/2017 21:36 56	23/3/2017 22:41 57	26/3/2017 7:46 56	26/3/2017 16:51 59			27/2/2017 2:26 52
19/3/2017 20:36 57	21/3/2017 21:41 57	23/3/2017 22:46 57	26/3/2017 7:51 55	26/3/2017 16:56 60			27/2/2017 2:31 50
19/3/2017 20:41 56	21/3/2017 21:46 56	23/3/2017 22:51 56	26/3/2017 7:56 58	26/3/2017 17:01 59			27/2/2017 2:36 53
19/3/2017 20:46 56	21/3/2017 21:51 56	23/3/2017 22:56 59	26/3/2017 8:01 56	26/3/2017 17:06 58			27/2/2017 2:41 50
19/3/2017 20:51 56	21/3/2017 21:56 56	24/3/2017 19:01 57	26/3/2017 8:06 58	26/3/2017 17:11 57			27/2/2017 2:46 50
19/3/2017 20:56 56	21/3/2017 22:01 56	24/3/2017 19:06 58	26/3/2017 8:11 56	26/3/2017 17:16 59			27/2/2017 2:51 51
19/3/2017 21:01 57	21/3/2017 22:06 56	24/3/2017 19:11 59	26/3/2017 8:16 57	26/3/2017 17:21 58			27/2/2017 2:56 52
19/3/2017 21:06 56	21/3/2017 22:11 56	24/3/2017 19:16 59	26/3/2017 8:21 58	26/3/2017 17:26 58			27/2/2017 3:01 51
19/3/2017 21:11 56	21/3/2017 22:16 56	24/3/2017 19:21 58	26/3/2017 8:26 58	26/3/2017 17:31 58			27/2/2017 3:06 50
19/3/2017 21:16 56	21/3/2017 22:21 56	24/3/2017 19:26 58	26/3/2017 8:31 58	26/3/2017 17:36 60			27/2/2017 3:11 50
19/3/2017 21:21 57	21/3/2017 22:26 56	24/3/2017 19:31 60	26/3/2017 8:36 57	26/3/2017 17:41 58			27/2/2017 3:16 49
19/3/2017 21:26 56	21/3/2017 22:31 56	24/3/2017 19:36 58	26/3/2017 8:41 57	26/3/2017 17:46 58			27/2/2017 3:21 49
19/3/2017 21:31 56	21/3/2017 22:36 56	24/3/2017 19:41 60	26/3/2017 8:46 57	26/3/2017 17:51 56			27/2/2017 3:26 51
19/3/2017 21:36 57	21/3/2017 22:41 57	24/3/2017 19:46 62	26/3/2017 8:51 57	26/3/2017 17:56 57			27/2/2017 3:31 50
19/3/2017 21:41 57	21/3/2017 22:46 56	24/3/2017 19:51 57	26/3/2017 8:56 60	26/3/2017 18:01 62			27/2/2017 3:36 50
19/3/2017 21:46 56	21/3/2017 22:51 55	24/3/2017 19:56 62	26/3/2017 9:01 59	26/3/2017 18:06 57			27/2/2017 3:41 49
19/3/2017 21:51 56	21/3/2017 22:56 57	24/3/2017 20:01 60	26/3/2017 9:06 60	26/3/2017 18:11 59			27/2/2017 3:46 49
19/3/2017 21:56 58	22/3/2017 19:01 61	24/3/2017 20:06 58	26/3/2017 9:11 60	26/3/2017 18:16 60			27/2/2017 3:51 50
19/3/2017 22:01 56	22/3/2017 19:06 58	24/3/2017 20:11 59	26/3/2017 9:16 60	26/3/2017 18:21 57			27/2/2017 3:56 50
19/3/2017 22:06 56	22/3/2017 19:11 59	24/3/2017 20:16 60	26/3/2017 9:21 57	26/3/2017 18:26 57			27/2/2017 4:01 50
19/3/2017 22:11 56	22/3/2017 19:16 59	24/3/2017 20:21 59	26/3/2017 9:26 60	26/3/2017 18:31 57			27/2/2017 4:06 50
19/3/2017 22:16 56	22/3/2017 19:21 60	24/3/2017 20:26 59	26/3/2017 9:31 59	26/3/2017 18:36 57			27/2/2017 4:11 50
19/3/2017 22:21 57	22/3/2017 19:26 58	24/3/2017 20:31 59	26/3/2017 9:36 57	26/3/2017 18:41 57			27/2/2017 4:16 50
19/3/2017 22:26 57	22/3/2017 19:31 60	24/3/2017 20:36 57	26/3/2017 9:41 58	26/3/2017 18:46 53			27/2/2017 4:21 50
19/3/2017 22:31 55	22/3/2017 19:36 59	24/3/2017 20:41 57	26/3/2017 9:46 59	26/3/2017 18:51 60			27/2/2017 4:26 50
19/3/2017 22:36 55	22/3/2017 19:41 59	24/3/2017 20:46 57	26/3/2017 9:51 59	26/3/2017 18:56 59			27/2/2017 4:31 50
19/3/2017 22:41 55	22/3/2017 19:46 59	24/3/2017 20:51 56	26/3/2017 9:56 58	26/3/2017 19:01 58			27/2/2017 4:36 50
19/3/2017 22:46 56	22/3/2017 19:51 58	24/3/2017 20:56 56	26/3/2017 10:01 61	26/3/2017 19:06 58			27/2/2017 4:41 49
19/3/2017 22:51 55	22/3/2017 19:56 58	24/3/2017 21:01 57	26/3/2017 10:06 59	26/3/2017 19:11 59			27/2/2017 4:46 50
19/3/2017 22:56 55	22/3/2017 20:01 60	24/3/2017 21:06 60	26/3/2017 10:11 59	26/3/2017 19:16 57			27/2/2017 4:51 51
20/3/2017 19:01 59	22/3/2017 20:06 58	24/3/2017 21:11 58	26/3/2017 10:16 58	26/3/2017 19:21 59			27/2/2017 4:56 49
20/3/2017 19:06 59	22/3/2017 20:11 59	24/3/2017 21:16 56	26/3/2017 10:21 58	26/3/2017 19:26 59			27/2/2017 5:01 50
20/3/2017 19:11 58	22/3/2017 20:16 62	24/3/2017 21:21 56	26/3/2017 10:26 59	26/3/2017 19:31 59			27/2/2017 5:06 51
20/3/2017 19:16 59	22/3/2017 20:21 61	24/3/2017 21:26 56	26/3/2017 10:31 58	26/3/2017 19:36 61			27/2/2017 5:11 51
20/3/2017 19:21 59	22/3/2017 20:26 59	24/3/2017 21:31 57	26/3/2017 10:36 57	26/3/2017 19:41 57			27/2/2017 5:16 51
20/3/2017 19:26 59	22/3/2017 20:31 59	24/3/2017 21:36 57	26/3/2017 10:41 58	26/3/2017 19:46 59			27/2/2017 5:21 50
20/3/2017 19:31 60	22/3/2017 20:36 58	24/3/2017 21:41 57	26/3/2017 10:46 60	26/3/2017 19:51 59			27/2/2017 5:26 51
20/3/2017 19:36 60	22/3/2017 20:41 58	24/3/2017 21:46 56	26/3/2017 10:51 57	26/3/2017 19:56 57			27/2/2017 5:31 51
20/3/2017 19:41 58	22/3/2017 20:46 57	24/3/2017 21:51 56	26/3/2017 10:56 58	26/3/2017 20:01 57			27/2/2017 5:36 50
20/3/2017 19:46 58	22/3/2017 20:51 57	24/3/2017 21:56 58	26/3/2017 11:01 58	26/3/2017 20:06 57			27/2/2017 5:41 51
20/3/2017 19:51 58	22/3/2017 20:56 58	24/3/2017 22:01 56	26/3/2017 11:06 59	26/3/2017 20:11 57			27/2/2017 5:46 50
20/3/2017 19:56 57	22/3/2017 21:01 57	24/3/2017 22:06 60	26/3/2017 11:11 58	26/3/2017 20:16 58			27/2/2017 5:51 52
20/3/2017 20:01 58	22/3/2017 21:06 56	24/3/2017 22:11 59	26/3/2017 11:16 58	26/3/2017 20:21 60			27/2/2017 5:56 52
20/3/2017 20:06 62	22/3/2017 21:11 57	24/3/2017 22:16 59	26/3/2017 11:21 60	26/3/2017 20:26 58			27/2/2017 6:01 50
20/3/2017 20:11 58	22/3/2017 21:16 57	24/3/2017 22:21 60	26/3/2017 11:26 57	26/3/2017 20:31 59			27/2/2017 6:06 52
20/3/2017 20:16 58	22/3/2017 21:21 58	24/3/2017 22:26 56	26/3/2017 11:31 59	26/3/2017 20:36 56			27/2/2017 6:11 53
20/3/2017 20:21 59	22/3/2017 21:26 57	24/3/2017 22:31 57	26/3/2017 11:36 59	26/3/2017 20:41 59			27/2/2017 6:16 53
20/3/2017 20:26 58	22/3/2017 21:31 59	24/3/2017 22:36 57	26/3/2017 11:41 57	26/3/2017 20:46 57			27/2/2017 6:21 54
20/3/2017 20:31 58	22/3/2017 21:36 56	24/3/2017 22:41 58	26/3/2017 11:46 57	26/3/2017 20:51 57			27/2/2017 6:26 54
20/3/2017 20:36 60	22/3/2017 21:41 56	24/3/2017 22:46 56	26/3/2017 11:51 61	26/3/2017 20:56 58			27/2/2017 6:31 54
20/3/2017 20:41 61	22/3/2017 21:46 57	24/3/2017 22:51 57	26/3/2017 11:56 57	26/3/2017 21:01 56			27/2/2017 6:36 54
20/3/2017 20:46 58	22/3/2017 21						

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
28/2/2017 0:56	62	1/3/2017 2:01	52	2/3/2017 3:06	53	3/3/2017 4:11	54	4/3/2017 5:16	53	5/3/2017 6:21	56
28/2/2017 1:01	53	1/3/2017 2:06	52	2/3/2017 3:11	54	3/3/2017 4:16	54	4/3/2017 5:21	54	5/3/2017 6:26	55
28/2/2017 1:06	39	1/3/2017 2:11	51	2/3/2017 3:16	54	3/3/2017 4:21	54	4/3/2017 5:26	56	5/3/2017 6:31	43
28/2/2017 1:11	52	1/3/2017 2:16	50	2/3/2017 3:21	52	3/3/2017 4:26	56	4/3/2017 5:31	54	5/3/2017 6:36	55
28/2/2017 1:16	52	1/3/2017 2:21	51	2/3/2017 3:26	53	3/3/2017 4:31	53	4/3/2017 5:36	54	5/3/2017 6:41	56
28/2/2017 1:21	52	1/3/2017 2:26	52	2/3/2017 3:31	53	3/3/2017 4:36	53	4/3/2017 5:41	54	5/3/2017 6:46	56
28/2/2017 1:26	52	1/3/2017 2:31	50	2/3/2017 3:36	51	3/3/2017 4:41	54	4/3/2017 5:46	56	5/3/2017 6:51	55
28/2/2017 1:31	52	1/3/2017 2:36	50	2/3/2017 3:41	53	3/3/2017 4:46	53	4/3/2017 5:51	54	5/3/2017 6:56	56
28/2/2017 1:36	53	1/3/2017 2:41	53	2/3/2017 3:46	53	3/3/2017 4:51	54	4/3/2017 5:56	54	5/3/2017 23:01	57
28/2/2017 1:41	52	1/3/2017 2:46	51	2/3/2017 3:51	53	3/3/2017 4:56	50	4/3/2017 6:01	54	5/3/2017 23:06	56
28/2/2017 1:46	51	1/3/2017 2:51	51	2/3/2017 3:56	55	3/3/2017 5:01	51	4/3/2017 6:06	54	5/3/2017 23:11	58
28/2/2017 1:51	51	1/3/2017 2:56	51	2/3/2017 4:01	53	3/3/2017 5:06	51	4/3/2017 6:11	55	5/3/2017 23:16	57
28/2/2017 1:56	52	1/3/2017 3:01	51	2/3/2017 4:06	53	3/3/2017 5:11	50	4/3/2017 6:16	54	5/3/2017 23:21	57
28/2/2017 2:01	51	1/3/2017 3:06	51	2/3/2017 4:11	53	3/3/2017 5:16	51	4/3/2017 6:21	55	5/3/2017 23:26	57
28/2/2017 2:06	50	1/3/2017 3:11	51	2/3/2017 4:16	52	3/3/2017 5:21	52	4/3/2017 6:26	55	5/3/2017 23:31	56
28/2/2017 2:11	52	1/3/2017 3:16	50	2/3/2017 4:21	53	3/3/2017 5:26	51	4/3/2017 6:31	54	5/3/2017 23:36	56
28/2/2017 2:16	51	1/3/2017 3:21	50	2/3/2017 4:26	52	3/3/2017 5:31	52	4/3/2017 6:36	56	5/3/2017 23:41	57
28/2/2017 2:21	52	1/3/2017 3:26	52	2/3/2017 4:31	53	3/3/2017 5:36	53	4/3/2017 6:41	55	5/3/2017 23:46	54
28/2/2017 2:26	51	1/3/2017 3:31	57	2/3/2017 4:36	52	3/3/2017 5:41	51	4/3/2017 6:46	55	5/3/2017 23:51	57
28/2/2017 2:31	50	1/3/2017 3:36	51	2/3/2017 4:41	53	3/3/2017 5:46	51	4/3/2017 6:51	56	5/3/2017 23:56	55
28/2/2017 2:36	51	1/3/2017 3:41	52	2/3/2017 4:46	54	3/3/2017 5:51	52	4/3/2017 6:56	57	6/3/2017 0:01	55
28/2/2017 2:41	51	1/3/2017 3:46	51	2/3/2017 4:51	55	3/3/2017 5:56	52	4/3/2017 23:01	56	6/3/2017 0:06	56
28/2/2017 2:46	51	1/3/2017 3:51	51	2/3/2017 4:56	55	3/3/2017 6:01	52	4/3/2017 23:06	56	6/3/2017 0:11	57
28/2/2017 2:51	50	1/3/2017 3:56	50	2/3/2017 5:01	54	3/3/2017 6:06	51	4/3/2017 23:11	57	6/3/2017 0:16	55
28/2/2017 2:56	50	1/3/2017 4:01	50	2/3/2017 5:06	54	3/3/2017 6:11	52	4/3/2017 23:16	57	6/3/2017 0:21	54
28/2/2017 3:01	52	1/3/2017 4:06	50	2/3/2017 5:11	52	3/3/2017 6:16	54	4/3/2017 23:21	56	6/3/2017 0:26	55
28/2/2017 3:06	54	1/3/2017 4:11	51	2/3/2017 5:16	52	3/3/2017 6:21	54	4/3/2017 23:26	57	6/3/2017 0:31	56
28/2/2017 3:11	51	1/3/2017 4:16	51	2/3/2017 5:21	54	3/3/2017 6:26	54	4/3/2017 23:31	56	6/3/2017 0:36	54
28/2/2017 3:16	50	1/3/2017 4:21	50	2/3/2017 5:26	52	3/3/2017 6:31	55	4/3/2017 23:36	56	6/3/2017 0:41	54
28/2/2017 3:21	51	1/3/2017 4:26	51	2/3/2017 5:31	54	3/3/2017 6:36	55	4/3/2017 23:41	56	6/3/2017 0:46	53
28/2/2017 3:26	50	1/3/2017 4:31	50	2/3/2017 5:36	54	3/3/2017 6:41	55	4/3/2017 23:46	56	6/3/2017 0:51	57
28/2/2017 3:31	51	1/3/2017 4:36	50	2/3/2017 5:41	55	3/3/2017 6:46	54	4/3/2017 23:51	56	6/3/2017 0:56	55
28/2/2017 3:36	51	1/3/2017 4:41	49	2/3/2017 5:46	54	3/3/2017 6:51	56	4/3/2017 23:56	57	6/3/2017 1:01	56
28/2/2017 3:41	50	1/3/2017 4:46	51	2/3/2017 5:51	54	3/3/2017 6:56	56	5/3/2017 0:01	56	6/3/2017 1:06	55
28/2/2017 3:46	51	1/3/2017 4:51	50	2/3/2017 5:56	55	3/3/2017 23:01	56	5/3/2017 0:06	56	6/3/2017 1:11	54
28/2/2017 3:51	52	1/3/2017 4:56	51	2/3/2017 6:01	53	3/3/2017 23:06	56	5/3/2017 0:11	58	6/3/2017 1:16	53
28/2/2017 3:56	51	1/3/2017 5:01	51	2/3/2017 6:06	53	3/3/2017 23:11	57	5/3/2017 0:16	56	6/3/2017 1:21	55
28/2/2017 4:01	50	1/3/2017 5:06	52	2/3/2017 6:11	54	3/3/2017 23:16	56	5/3/2017 0:21	56	6/3/2017 1:26	55
28/2/2017 4:06	50	1/3/2017 5:11	51	2/3/2017 6:16	54	3/3/2017 23:21	56	5/3/2017 0:26	55	6/3/2017 1:31	55
28/2/2017 4:11	50	1/3/2017 5:16	50	2/3/2017 6:21	56	3/3/2017 23:26	57	5/3/2017 0:31	56	6/3/2017 1:36	55
28/2/2017 4:16	50	1/3/2017 5:21	51	2/3/2017 6:26	56	3/3/2017 23:31	57	5/3/2017 0:36	56	6/3/2017 1:41	55
28/2/2017 4:21	52	1/3/2017 5:26	52	2/3/2017 6:31	56	3/3/2017 23:36	56	5/3/2017 0:41	56	6/3/2017 1:46	56
28/2/2017 4:26	51	1/3/2017 5:31	51	2/3/2017 6:36	56	3/3/2017 23:41	57	5/3/2017 0:46	55	6/3/2017 1:51	54
28/2/2017 4:31	50	1/3/2017 5:36	52	2/3/2017 6:41	56	3/3/2017 23:46	58	5/3/2017 0:51	56	6/3/2017 1:56	54
28/2/2017 4:36	49	1/3/2017 5:41	52	2/3/2017 6:46	56	3/3/2017 23:51	56	5/3/2017 0:56	56	6/3/2017 2:01	56
28/2/2017 4:41	50	1/3/2017 5:46	51	2/3/2017 6:51	56	3/3/2017 23:56	56	5/3/2017 1:01	55	6/3/2017 2:06	54
28/2/2017 4:46	49	1/3/2017 5:51	52	2/3/2017 6:56	56	4/3/2017 0:01	55	5/3/2017 1:06	55	6/3/2017 2:11	55
28/2/2017 4:51	50	1/3/2017 5:56	52	2/3/2017 23:01	57	4/3/2017 0:06	56	5/3/2017 1:11	55	6/3/2017 2:16	51
28/2/2017 4:56	51	1/3/2017 6:01	51	2/3/2017 23:06	57	4/3/2017 0:11	56	5/3/2017 1:16	55	6/3/2017 2:21	54
28/2/2017 5:01	51	1/3/2017 6:06	52	2/3/2017 23:11	56	4/3/2017 0:16	56	5/3/2017 1:21	56	6/3/2017 2:26	54
28/2/2017 5:06	51	1/3/2017 6:11	52	2/3/2017 23:16	56	4/3/2017 0:21	56	5/3/2017 1:26	57	6/3/2017 2:31	53
28/2/2017 5:11	50	1/3/2017 6:16	54	2/3/2017 23:21	56	4/3/2017 0:26	56	5/3/2017 1:31	55	6/3/2017 2:36	52
28/2/2017 5:16	52	1/3/2017 6:21	54	2/3/2017 23:26	56	4/3/2017 0:31	58	5/3/2017 1:36	55	6/3/2017 2:41	55
28/2/2017 5:21	52	1/3/2017 6:26	54	2/3/2017 23:31	55	4/3/2017 0:36	56	5/3/2017 1:41	55	6/3/2017 2:46	55
28/2/2017 5:26	51	1/3/2017 6:31	54	2/3/2017 23:36	55	4/3/2017 0:41	55	5/3/2017 1:46	54	6/3/2017 2:51	54
28/2/2017 5:31	51	1/3/2017 6:36	53	2/3/2017 23:41	55	4/3/2017 0:46	55	5/3/2017 1:51	55	6/3/2017 2:56	54
28/2/2017 5:36	52	1/3/2017 6:41	54	2/3/2017 23:46	56	4/3/2017 0:51	56	5/3/2017 1:56	55	6/3/2017 3:01	57
28/2/2017 5:41	51	1/3/2017 6:46	54	2/3/2017 23:51	56	4/3/2017 0:56	55	5/3/2017 2:01	55	6/3/2017 3:06	54
28/2/2017 5:46	51	1/3/2017 6:51	56	2/3/2017 23:56	55	4/3/2017 1:01	56	5/3/2017 2:06	55	6/3/2017 3:11	54
28/2/2017 5:51	52	1/3/2017 6:56	55	3/3/2017 0:01	56	4/3/2017 1:06	56	5/3/2017 2:11	54	6/3/2017 3:16	54
28/2/2017 5:56	53	1/3/2017 23:01	55	3/3/2017 0:06	55	4/3/2017 1:11	55	5/3/2017 2:16	54	6/3/2017 3:21	55
28/2/2017 6:01	52	1/3/2017 23:06	55	3/3/2017 0:11	55	4/3/2017 1:16	56	5/3/2017 2:21	56	6/3/2017 3:26	54
28/2/2017 6:06	53	1/3/2017 23:11	55	3/3/2017 0:16	55	4/3/2017 1:21	55	5/3/2017 2:26	55	6/3/2017 3:31	54
28/2/2017 6:11	54	1/3/2017 23:16	55	3/3/2017 0:21	55	4/3/2017 1:26	55	5/3/2017 2:31	55	6/3/2017 3:36	55
28/2/2017 6:16	53	1/3/2017 23:21	54	3/3/2017 0:26	56	4/3/2017 1:31	54	5/3/2017 2:36	54	6/3/2017 3:41	55
28/2/2017 6:21	53	1/3/2017 23:26	55	3/3/2017 0:31	55	4/3/2017 1:36	55	5/3/2017 2:41	54	6/3/2017 3:46	52
28/2/2017 6:26	54	1/3/2017 23:31	55	3/3/2017 0:36	54	4/3/2017 1:41	55	5/3/2017 2:46	54	6/3/2017 3:51	53
28/2/2017 6:31	53	1/3/2017 23:36	55	3/3/2017 0:41	55	4/3/2017 1:46	58	5/3/2017 2:51	55	6/3/2017 3:56	53
28/2/2017 6:36	54	1/3/2017 23:41	56	3/3/2017 0:46	56	4/3/2017 1:51	55	5/3/2017 2:56	55	6/3/2017 4:01	54
28/2/2017 6:41	54	1/3/2017 23:46	55	3/3/2017 0:51	55	4/3/2017 1:56	56	5/3/2017 3:01	54	6/3/2017 4:06	55
28/2/2017 6:46	55	1/3/2017 23:51	55	3/3/2017 0:56	54	4/3/2017 2:01	54	5/3/2017 3:06	55	6/3/2017 4:11	54
28/2/2017 6:51	57	1/3/2017 23:56	55	3/3/2017 1:01	53	4/3/2017 2:06	54	5/3/2017 3:11	54	6/3/2017 4:16	53
28/2/2017 6:56	56	2/3/2017 0:01	55	3/3/2017 1:06	52	4/3/2017 2:11	54	5/3/2017 3:16	54	6/3/2017 4:21	55
28/2/2017 23:01	56	2/3/2017 0:06	55	3/3/2017 1:11	53	4/3/2017 2:16	54	5/3/2017 3:21	55	6/3/2017 4:26	54
28/2/2017 23:06	54	2/3/2017 0:11	55	3/3/2017 1:16	52	4/3/2017 2:21	55	5/3/2017 3:26	55	6/3/2017 4:31	53
28/2/2017 23:11	54	2/3/2017 0:16	54	3/3/2017 1:21	54	4/3/2017 2:26	54	5/3/2017 3:31	54	6/3/2017 4:36	53
28/2/2017 23:16	55	2/3/2017 0:21	54	3/3/2017 1:26	54	4/3/2017 2:31	54	5/3/2017 3:36	54	6/3/2017 4:41	52
28/2/2017 23:21	56	2/3/2017 0:26	55	3/3/2017 1:31	53	4/3/2017 2:36	54	5/3/2017 3:41	54	6/3/2017 4:46	54
28/2/2017 23:26	55	2/3/2									

Real-time Noise Data	RTN2a (Hong Kong Electric Centre)						
6/3/2017 23:26	57	8/3/2017 0:31	57	9/3/2017 1:36	52	10/3/2017 2:41	54
6/3/2017 23:31	52	8/3/2017 0:36	57	9/3/2017 1:41	54	10/3/2017 2:46	53
6/3/2017 23:36	57	8/3/2017 0:41	57	9/3/2017 1:46	54	10/3/2017 2:51	54
6/3/2017 23:41	58	8/3/2017 0:46	57	9/3/2017 1:51	54	10/3/2017 2:56	54
6/3/2017 23:46	58	8/3/2017 0:51	57	9/3/2017 1:56	54	10/3/2017 3:01	52
6/3/2017 23:51	35	8/3/2017 0:56	56	9/3/2017 2:01	53	10/3/2017 3:06	52
6/3/2017 23:56	53	8/3/2017 1:01	58	9/3/2017 2:06	53	10/3/2017 3:11	53
7/3/2017 0:01	58	8/3/2017 1:06	57	9/3/2017 2:11	52	10/3/2017 3:16	53
7/3/2017 0:06	58	8/3/2017 1:11	57	9/3/2017 2:16	53	10/3/2017 3:21	52
7/3/2017 0:11	58	8/3/2017 1:16	56	9/3/2017 2:21	53	10/3/2017 3:26	53
7/3/2017 0:16	58	8/3/2017 1:21	56	9/3/2017 2:26	55	10/3/2017 3:31	52
7/3/2017 0:21	57	8/3/2017 1:26	57	9/3/2017 2:31	52	10/3/2017 3:36	53
7/3/2017 0:26	58	8/3/2017 1:31	56	9/3/2017 2:36	52	10/3/2017 3:41	54
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7/3/2017 2:46	57	8/3/2017 3:51	57	9/3/2017 4:56	52	10/3/2017 6:01	55
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7/3/2017 4:36	57	8/3/2017 5:41	57	9/3/2017 6:46	55	10/3/2017 7:51	55
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7/3/2017 5:16	57	8/3/2017 6:21	57	9/3/2017 7:26	55	11/3/2017 0:31	55
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7/3/2017 5:26	57	8/3/2017 6:31	57	9/3/2017 7:36	55	11/3/2017 0:41	55
7/3/2017 5:31	57	8/3/2017 6:36	57	9/3/2017 7:41	55	11/3/2017 0:46	55
7/3/2017 5:36	57	8/3/2017 6:41	58	9/3/2017 7:46	55	11/3/2017 0:51	55
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7/3/2017 5:56	57	8/3/2017 7:01	55	10/3/2017 0:06	55	11/3/2017 1:11	55
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7/3/2017 6:31	57	8/3/2017 7:36	55	10/3/2017 0:41	54	11/3/2017 1:46	54
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7/3/2017 6:51	58	8/3/2017 7:56	54	10/3/2017 1:01	54	11/3/2017 2:06	54
7/3/2017 6:56	58	9/3/2017 0:01	54	10/3/2017 1:06	53	11/3/2017 2:11	54
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7/3/2017 7:11	58	9/3/2017 0:16	56	10/3/2017 1:21	53	11/3/2017 2:26	53
7/3/2017 7:16	55	9/3/2017 0:21	54	10/3/2017 1:26	53	11/3/2017 2:31	54
7/3/2017 7:21	57	9/3/2017 0:26	53	10/3/2017 1:31	53	11/3/2017 2:36	51
7/3/2017 7:26	56	9/3/2017 0:31	54	10/3/2017 1:36	53	11/3/2017 2:41	51
7/3/2017 7:31	57	9/3/2017 0:36	54	10/3/2017 1:41	54	11/3/2017 2:46	52
7/3/2017 7:36	58	9/3/2017 0:41	54	10/3/2017 1:46	54	11/3/2017 2:51	52
7/3/2017 7:41	48	9/3/2017 0:46	53	10/3/2017 1:51	53	11/3/2017 2:56	51
7/3/2017 7:46	58	9/3/2017 0:51	54	10/3/2017 1:56	53	11/3/2017 3:01	54
7/3/2017 7:51	58	9/3/2017 0:56	54	10/3/2017 2:01	53	11/3/2017 3:06	52
7/3/2017 7:56	58	9/3/2017 1:01	54	10/3/2017 2:06	54	11/3/2017 3:11	51
7/3/2017 8:01	45	9/3/2017 1:06	53	10/3/2017 2:11	53	11/3/2017 3:16	52
7/3/2017 8:06	58	9/3/2017 1:11	54	10/3/2017 2:16	54	11/3/2017 3:21	53
7/3/2017 8:11	58	9/3/2017 1:16	54	10/3/2017 2:21	54	11/3/2017 3:26	51
7/3/2017 8:16	32	9/3/2017 1:21	53	10/3/2017 2:26	54	11/3/2017 3:31	51
7/3/2017 8:21	56	9/3/2017 1:26	52	10/3/2017 2:31	54	11/3/2017 3:36	51
7/3/2017 8:26	56	9/3/2017 1:31	54	10/3/2017 2:36	53	11/3/2017 3:41	51
7/3/2017 8:31	57	9/3/2017 1:36	53	10/3/2017 2:41	54	11/3/2017 3:46	52
7/3/2017 8:36	58	9/3/2017 1:41	54	10/3/2017 2:46	54	11/3/2017 3:51	52
7/3/2017 8:41	42	9/3/2017 1:46	54	10/3/2017 2:51	54	11/3/2017 3:56	53
7/3/2017 8:46	58	9/3/2017 1:51	53	10/3/2017 2:56	54	11/3/2017 4:01	54
7/3/2017 8:51	58	9/3/2017 1:56	53	10/3/2017 3:01	54	11/3/2017 4:06	53
7/3/2017 8:56	58	9/3/2017 2:01	53	10/3/2017 3:06	54	11/3/2017 4:11	53
7/3/2017 9:01	45	9/3/2017 2:06					

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
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13/3/2017 6:01	53	14/3/2017 23:06	56	16/3/2017 0:11	54	17/3/2017 1:16	53	18/3/2017 2:21	54	19/3/2017 3:26	53
13/3/2017 6:06	54	14/3/2017 23:11	55	16/3/2017 0:16	55	17/3/2017 1:21	53	18/3/2017 2:26	54	19/3/2017 3:31	54
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13/3/2017 6:41	55	14/3/2017 23:46	54	16/3/2017 0:51	54	17/3/2017 1:56	54	18/3/2017 3:01	54	19/3/2017 4:06	53
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14/3/2017 2:11	53	15/3/2017 3:16	51	16/3/2017 4:21	52	17/3/2017 5:26	53	18/3/2017 6:31	54	19/3/2017 7:36	54
14/3/2017 2:16	55	15/3/2017 3:21	52	16/3/2017 4:26	51	17/3/2017 5:31	51	18/3/2017 6:36	55	19/3/2017 7:41	54
14/3/2017 2:21	53	15/3/2017 3:26	51	16/3/2017 4:31	51	17/3/2017 5:36	52	18/3/2017 6:41	55	19/3/2017 7:46	54
14/3/2017 2:26	52	15/3/2017 3:31	52	16/3/2017 4:36	51	17/3/2017 5:41	53	18/3/2017 6:46	55	19/3/2017 7:51	54
14/3/2017 2:31	52	15/3/2017 3:36	51	16/3/2017 4:41	51	17/3/2017 5:46	53	18/3/2017 6:51	56	19/3/2017 7:56	54
14/3/2017 2:36	52	15/3/2017 3:41	51	16/3/2017 4:46	52	17/3/2017 5:51	52	18/3/2017 6:56	55	20/3/2017 0:01	54
14/3/2017 2:41	53	15/3/2017 3:46	53	16/3/2017 4:51	52	17/3/2017 5:56	52	18/3/2017 7:01	57	20/3/2017 0:06	53
14/3/2017 2:46	53	15/3/2017 3:51	52	16/3/2017 4:56	54	17/3/2017 6:01	55	18/3/2017 7:06	56	20/3/2017 0:11	54
14/3/2017 2:51	52	15/3/2017 3:56	52	16/3/2017 5:01	53	17/3/2017 6:06	53	18/3/2017 7:11	57	20/3/2017 0:16	53
14/3/2017 2:56	53	15/3/2017 4:01	53	16/3/2017 5:06	52	17/3/2017 6:11	54	18/3/2017 7:16	56	20/3/2017 0:21	53
14/3/2017 3:01	55	15/3/2017 4:06	52	16/3/2017 5:11	52	17/3/2017 6:16	53	18/3/2017 7:21	56	20/3/2017 0:26	54
14/3/2017 3:06	52	15/3/2017 4:11	52	16/3/2017 5:16	53	17/3/2017 6:21	54	18/3/2017 7:26	56	20/3/2017 0:31	54
14/3/2017 3:11	53	15/3/2017 4:16	52	16/3/2017 5:21	53	17/3/2017 6:26	55	18/3/2017 7:31	57	20/3/2017 0:36	54
14/3/2017 3:16	53	15/3/2017 4:21	52	16/3/2017 5:26	53	17/3/2017 6:31	54	18/3/2017 7:36	57	20/3/2017 0:41	53
14/3/2017 3:21	52	15/3/2017 4:26	52	16/3/2017 5:31	53	17/3/2017 6:36	55	18/3/2017 7:41	56	20/3/2017 0:46	53
14/3/2017 3:26	52	15/3/2017 4:31	51	16/3/2017 5:36	56	17/3/2017 6:41	55	18/3/2017 7:46	55	20/3/2017 0:51	53
14/3/2017 3:31	52	15/3/2017 4:36	52	16/3/2017 5:41	54	17/3/2017 6:46	55	18/3/2017 7:51	55	20/3/2017 0:56	54
14/3/2017 3:36	52	15/3/2017 4:41	51	16/3/2017 5:46	53	17/3/2017 6:51	56	18/3/2017 7:56	55	20/3/2017 1:01	53
14/3/2017 3:41	51	15/3/2017 4:46	52	16/3/2017 5:51	53	17/3/2017 6:56	56	19/3/2017 0:01	57	20/3/2017 1:06	54
14/3/2017 3:46	52	15/3/2017 4:51	52	16/3/2017 5:56	55	17/3/2017 7:01	49	19/3/2017 0:06	49	20/3/2017 1:11	54
14/3/2017 3:51	53	15/3/2017 4:56	53	16/3/2017 6:01	53	17/3/2017 7:06	56	19/3/2017 0:11	55	20/3/2017 1:16	52
14/3/2017 3:56	52	15/3/2017 5:01	52	16/3/2017 6:06	53	17/3/2017 7:11	57	19/3/2017 0:16	56	20/3/2017 1:21	54
14/3/2017 4:01	52	15/3/2017 5:06	53	16/3/2017 6:11	54	17/3/2017 7:16	56	19/3/2017 0:21	56	20/3/2017 1:26	52
14/3/2017 4:06	52	15/3/2017 5:11	52	16/3/2017 6:16	54	17/3/2017 7:21	56	19/3/2017 0:26	55	20/3/2017 1:31	52
14/3/2017 4:11	52	15/3/2017 5:16	52	16/3/2017 6:21	55	17/3/2017 7:26	56	19/3/2017 0:31	56	20/3/2017 1:36	52
14/3/2017 4:1											

Real-time Noise Data		RTN2a (Hong Kong Electric Centre)									
20/3/2017 4:26	50	21/3/2017 5:31	54	22/3/2017 6:36	55	23/3/2017 23:41	56	25/3/2017 0:46	55	26/3/2017 1:51	55
20/3/2017 4:31	50	21/3/2017 5:36	53	22/3/2017 6:41	55	23/3/2017 23:46	55	25/3/2017 0:51	55	26/3/2017 1:56	54
20/3/2017 4:36	52	21/3/2017 5:41	53	22/3/2017 6:46	55	23/3/2017 23:51	56	25/3/2017 0:56	55	26/3/2017 2:01	54
20/3/2017 4:41	52	21/3/2017 5:46	53	22/3/2017 6:51	55	23/3/2017 23:56	56	25/3/2017 1:01	56	26/3/2017 2:06	55
20/3/2017 4:46	53	21/3/2017 5:51	54	22/3/2017 6:56	55	24/3/2017 0:01	56	25/3/2017 1:06	55	26/3/2017 2:11	54
20/3/2017 4:51	51	21/3/2017 5:56	54	22/3/2017 23:01	56	24/3/2017 0:06	55	25/3/2017 1:11	58	26/3/2017 2:16	54
20/3/2017 4:56	51	21/3/2017 6:01	53	22/3/2017 23:06	55	24/3/2017 0:11	55	25/3/2017 1:16	56	26/3/2017 2:21	54
20/3/2017 5:01	51	21/3/2017 6:06	54	22/3/2017 23:11	55	24/3/2017 0:16	55	25/3/2017 1:21	55	26/3/2017 2:26	53
20/3/2017 5:06	51	21/3/2017 6:11	55	22/3/2017 23:16	57	24/3/2017 0:21	56	25/3/2017 1:26	54	26/3/2017 2:31	54
20/3/2017 5:11	52	21/3/2017 6:16	55	22/3/2017 23:21	56	24/3/2017 0:26	55	25/3/2017 1:31	54	26/3/2017 2:36	54
20/3/2017 5:16	52	21/3/2017 6:21	55	22/3/2017 23:26	56	24/3/2017 0:31	54	25/3/2017 1:36	54	26/3/2017 2:41	54
20/3/2017 5:21	53	21/3/2017 6:26	55	22/3/2017 23:31	56	24/3/2017 0:36	54	25/3/2017 1:41	56	26/3/2017 2:46	54
20/3/2017 5:26	52	21/3/2017 6:31	54	22/3/2017 23:36	56	24/3/2017 0:41	54	25/3/2017 1:46	57	26/3/2017 2:51	55
20/3/2017 5:31	52	21/3/2017 6:36	55	22/3/2017 23:41	55	24/3/2017 0:46	54	25/3/2017 1:51	54	26/3/2017 2:56	54
20/3/2017 5:36	53	21/3/2017 6:41	56	22/3/2017 23:46	55	24/3/2017 0:51	54	25/3/2017 1:56	56	26/3/2017 3:01	54
20/3/2017 5:41	53	21/3/2017 6:46	56	22/3/2017 23:51	55	24/3/2017 0:56	54	25/3/2017 2:01	54	26/3/2017 3:06	54
20/3/2017 5:46	53	21/3/2017 6:51	58	22/3/2017 23:56	56	24/3/2017 1:01	54	25/3/2017 2:06	55	26/3/2017 3:11	54
20/3/2017 5:51	55	21/3/2017 6:56	56	23/3/2017 0:01	56	24/3/2017 1:06	55	25/3/2017 2:11	53	26/3/2017 3:16	55
20/3/2017 5:56	53	21/3/2017 23:01	56	23/3/2017 0:06	55	24/3/2017 1:11	56	25/3/2017 2:16	55	26/3/2017 3:21	53
20/3/2017 6:01	53	21/3/2017 23:06	55	23/3/2017 0:11	55	24/3/2017 1:16	55	25/3/2017 2:21	54	26/3/2017 3:26	53
20/3/2017 6:06	53	21/3/2017 23:11	56	23/3/2017 0:16	54	24/3/2017 1:21	55	25/3/2017 2:26	54	26/3/2017 3:31	54
20/3/2017 6:11	53	21/3/2017 23:16	57	23/3/2017 0:21	55	24/3/2017 1:26	55	25/3/2017 2:31	54	26/3/2017 3:36	54
20/3/2017 6:16	54	21/3/2017 23:21	55	23/3/2017 0:26	55	24/3/2017 1:31	54	25/3/2017 2:36	50	26/3/2017 3:41	55
20/3/2017 6:21	54	21/3/2017 23:26	55	23/3/2017 0:31	54	24/3/2017 1:36	55	25/3/2017 2:41	54	26/3/2017 3:46	53
20/3/2017 6:26	55	21/3/2017 23:31	55	23/3/2017 0:36	54	24/3/2017 1:41	53	25/3/2017 2:46	55	26/3/2017 3:51	54
20/3/2017 6:31	55	21/3/2017 23:36	56	23/3/2017 0:41	54	24/3/2017 1:46	55	25/3/2017 2:51	54	26/3/2017 3:56	53
20/3/2017 6:36	55	21/3/2017 23:41	55	23/3/2017 0:46	54	24/3/2017 1:51	55	25/3/2017 2:56	54	26/3/2017 4:01	53
20/3/2017 6:41	56	21/3/2017 23:46	56	23/3/2017 0:51	54	24/3/2017 1:56	53	25/3/2017 3:01	53	26/3/2017 4:06	53
20/3/2017 6:46	55	21/3/2017 23:51	56	23/3/2017 0:56	55	24/3/2017 2:01	53	25/3/2017 3:06	55	26/3/2017 4:11	53
20/3/2017 6:51	56	21/3/2017 23:56	56	23/3/2017 1:01	54	24/3/2017 2:06	53	25/3/2017 3:11	54	26/3/2017 4:16	54
20/3/2017 6:56	55	22/3/2017 0:01	55	23/3/2017 1:06	54	24/3/2017 2:11	54	25/3/2017 3:16	53	26/3/2017 4:21	54
20/3/2017 23:01	58	22/3/2017 0:06	55	23/3/2017 1:11	54	24/3/2017 2:16	53	25/3/2017 3:21	53	26/3/2017 4:26	53
20/3/2017 23:06	56	22/3/2017 0:11	55	23/3/2017 1:16	55	24/3/2017 2:21	53	25/3/2017 3:26	53	26/3/2017 4:31	53
20/3/2017 23:11	49	22/3/2017 0:16	55	23/3/2017 1:21	54	24/3/2017 2:26	53	25/3/2017 3:31	53	26/3/2017 4:36	52
20/3/2017 23:16	57	22/3/2017 0:21	55	23/3/2017 1:26	54	24/3/2017 2:31	53	25/3/2017 3:36	53	26/3/2017 4:41	53
20/3/2017 23:21	56	22/3/2017 0:26	56	23/3/2017 1:31	54	24/3/2017 2:36	53	25/3/2017 3:41	53	26/3/2017 4:46	53
20/3/2017 23:26	57	22/3/2017 0:31	54	23/3/2017 1:36	54	24/3/2017 2:41	52	25/3/2017 3:46	53	26/3/2017 4:51	53
20/3/2017 23:31	56	22/3/2017 0:36	54	23/3/2017 1:41	55	24/3/2017 2:46	52	25/3/2017 3:51	53	26/3/2017 4:56	53
20/3/2017 23:36	55	22/3/2017 0:41	54	23/3/2017 1:46	53	24/3/2017 2:51	52	25/3/2017 3:56	53	26/3/2017 5:01	53
20/3/2017 23:41	56	22/3/2017 0:46	54	23/3/2017 1:51	54	24/3/2017 2:56	52	25/3/2017 4:01	53	26/3/2017 5:06	53
20/3/2017 23:46	56	22/3/2017 0:51	54	23/3/2017 1:56	53	24/3/2017 3:01	52	25/3/2017 4:06	52	26/3/2017 5:11	54
20/3/2017 23:51	57	22/3/2017 0:56	54	23/3/2017 2:01	53	24/3/2017 3:06	53	25/3/2017 4:11	53	26/3/2017 5:16	54
20/3/2017 23:56	56	22/3/2017 1:01	54	23/3/2017 2:06	53	24/3/2017 3:11	53	25/3/2017 4:16	53	26/3/2017 5:21	53
21/3/2017 0:01	56	22/3/2017 1:06	53	23/3/2017 2:11	53	24/3/2017 3:16	52	25/3/2017 4:21	52	26/3/2017 5:26	53
21/3/2017 0:06	56	22/3/2017 1:11	54	23/3/2017 2:16	53	24/3/2017 3:21	53	25/3/2017 4:26	52	26/3/2017 5:31	53
21/3/2017 0:11	55	22/3/2017 1:16	54	23/3/2017 2:21	53	24/3/2017 3:26	53	25/3/2017 4:31	53	26/3/2017 5:36	53
21/3/2017 0:16	56	22/3/2017 1:21	53	23/3/2017 2:26	52	24/3/2017 3:31	52	25/3/2017 4:36	52	26/3/2017 5:41	53
21/3/2017 0:21	56	22/3/2017 1:26	54	23/3/2017 2:31	53	24/3/2017 3:36	52	25/3/2017 4:41	54	26/3/2017 5:46	54
21/3/2017 0:26	55	22/3/2017 1:31	54	23/3/2017 2:36	53	24/3/2017 3:41	52	25/3/2017 4:46	53	26/3/2017 5:51	54
21/3/2017 0:31	56	22/3/2017 1:36	54	23/3/2017 2:41	53	24/3/2017 3:46	54	25/3/2017 4:51	54	26/3/2017 5:56	54
21/3/2017 0:36	55	22/3/2017 1:41	53	23/3/2017 2:46	54	24/3/2017 3:51	53	25/3/2017 4:56	54	26/3/2017 6:01	54
21/3/2017 0:41	55	22/3/2017 1:46	54	23/3/2017 2:51	53	24/3/2017 3:56	52	25/3/2017 5:01	55	26/3/2017 6:06	54
21/3/2017 0:46	58	22/3/2017 1:51	53	23/3/2017 2:56	53	24/3/2017 4:01	52	25/3/2017 5:06	55	26/3/2017 6:11	54
21/3/2017 0:51	57	22/3/2017 1:56	53	23/3/2017 3:01	53	24/3/2017 4:06	51	25/3/2017 5:11	54	26/3/2017 6:16	55
21/3/2017 0:56	55	22/3/2017 2:01	53	23/3/2017 3:06	53	24/3/2017 4:11	51	25/3/2017 5:16	54	26/3/2017 6:21	55
21/3/2017 1:01	56	22/3/2017 2:06	53	23/3/2017 3:11	53	24/3/2017 4:16	52	25/3/2017 5:21	55	26/3/2017 6:26	55
21/3/2017 1:06	56	22/3/2017 2:11	53	23/3/2017 3:16	53	24/3/2017 4:21	52	25/3/2017 5:26	56	26/3/2017 6:31	55
21/3/2017 1:11	55	22/3/2017 2:16	53	23/3/2017 3:21	52	24/3/2017 4:26	52	25/3/2017 5:31	56	26/3/2017 6:36	54
21/3/2017 1:16	55	22/3/2017 2:21	53	23/3/2017 3:26	52	24/3/2017 4:31	52	25/3/2017 5:36	54	26/3/2017 6:41	55
21/3/2017 1:21	55	22/3/2017 2:26	53	23/3/2017 3:31	52	24/3/2017 4:36	52	25/3/2017 5:41	55	26/3/2017 6:46	56
21/3/2017 1:26	55	22/3/2017 2:31	52	23/3/2017 3:36	52	24/3/2017 4:41	52	25/3/2017 5:46	54	26/3/2017 6:51	55
21/3/2017 1:31	53	22/3/2017 2:36	52	23/3/2017 3:41	52	24/3/2017 4:46	52	25/3/2017 5:51	55	26/3/2017 6:56	55
21/3/2017 1:36	54	22/3/2017 2:41	52	23/3/2017 3:46	52	24/3/2017 4:51	52	25/3/2017 5:56	55	26/3/2017 7:01	55
21/3/2017 1:41	56	22/3/2017 2:46	53	23/3/2017 3:51	53	24/3/2017 4:56	52	25/3/2017 6:01	56	26/3/2017 7:06	57
21/3/2017 1:46	54	22/3/2017 2:51	53	23/3/2017 3:56	52	24/3/2017 5:01	52	25/3/2017 6:06	55	26/3/2017 7:11	57
21/3/2017 1:51	54	22/3/2017 2:56	52	23/3/2017 4:01	52	24/3/2017 5:06	53	25/3/2017 6:11	55	26/3/2017 7:16	56
21/3/2017 1:56	54	22/3/2017 3:01	52	23/3/2017 4:06	52	24/3/2017 5:11	54	25/3/2017 6:16	55	26/3/2017 7:21	55
21/3/2017 2:01	54	22/3/2017 3:06	52	23/3/2017 4:11	52	24/3/2017 5:16	53	25/3/2017 6:21	55	26/3/2017 7:26	55
21/3/2017 2:06	55	22/3/2017 3:11	52	23/3/2017 4:16	52	24/3/2017 5:21	53	25/3/2017 6:26	55	26/3/2017 7:31	55
21/3/2017 2:11	53	22/3/2017 3:16	58	23/3/2017 4:21	52	24/3/2017 5:26	53	25/3/2017 6:31	55	26/3/2017 7:36	55
21/3/2017 2:16	53	22/3/2017 3:21	51	23/3/2017 4:26	52	24/3/2017 5:31	53	25/3/2017 6:36	56	26/3/2017 7:41	55
21/3/2017 2:21	56	22/3/2017 3:26	52	23/3/2017 4:31	51	24/3/2017 5:36	52	25/3/2017 6:41	55	26/3/2017 7:46	55
21/3/2017 2:26	53	22/3/2017 3:31	52	23/3/2017 4:36	51	24/3/2017 5:41	53	25/3/2017 6:46	56	26/3/2017 7:51	55
21/3/2017 2:31	54	22/3/2017 3:36	52	23/3/2017 4:41	52	24/3/2017 5:46	54	25/3/2017 6:51	53	26/3/2017 7:56	55
21/3/2017 2:36	53	22/3/2017 3:41	52	23/3/2017 4:46	52	24/3/2017 5:51	53	25/3/2017 6:56	58	26/3/2017 23:56	55
21/3/2017 2:41	52	22/3/2017 3:46	52	23/3/2017 4:51	52	24/3/2017 5:56	53	25/3/2017 23:01	56		
21/3/											

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
Normal Day 07:00-19:00		3/3/2017 13:01	67	9/3/2017 7:31	66	14/3/2017 14:01	68	20/3/2017 8:31	67	24/3/2017 15:01	64
27/2/2017 7:01	67	3/3/2017 13:31	68	9/3/2017 8:01	65	14/3/2017 14:31	69	20/3/2017 9:01	67	24/3/2017 15:31	64
27/2/2017 7:31	67	3/3/2017 14:01	68	9/3/2017 8:31	65	14/3/2017 15:01	69	20/3/2017 9:31	68	24/3/2017 16:01	64
27/2/2017 8:01	66	3/3/2017 14:31	67	9/3/2017 9:01	65	14/3/2017 15:31	69	20/3/2017 10:01	69	24/3/2017 16:31	64
27/2/2017 8:31	66	3/3/2017 15:01	68	9/3/2017 9:31	66	14/3/2017 16:01	68	20/3/2017 10:31	68	24/3/2017 17:01	64
27/2/2017 9:01	67	3/3/2017 15:31	67	9/3/2017 10:01	67	14/3/2017 16:31	68	20/3/2017 11:01	68	24/3/2017 17:31	65
27/2/2017 9:31	69	3/3/2017 16:01	67	9/3/2017 10:31	68	14/3/2017 17:01	67	20/3/2017 11:31	65	24/3/2017 18:01	66
27/2/2017 10:01	70	3/3/2017 16:31	67	9/3/2017 11:01	68	14/3/2017 17:31	66	20/3/2017 12:01	64	24/3/2017 18:31	66
27/2/2017 10:31	57	3/3/2017 17:01	66	9/3/2017 11:31	67	14/3/2017 18:01	66	20/3/2017 12:31	66	25/3/2017 7:01	65
27/2/2017 11:01	59	3/3/2017 17:31	67	9/3/2017 12:01	66	14/3/2017 18:31	66	20/3/2017 13:01	67	25/3/2017 7:31	66
27/2/2017 11:31	59	3/3/2017 18:01	67	9/3/2017 12:31	66	15/3/2017 7:01	67	20/3/2017 13:31	67	25/3/2017 8:01	67
27/2/2017 12:01	67	3/3/2017 18:31	67	9/3/2017 13:01	68	15/3/2017 7:31	67	20/3/2017 14:01	67	25/3/2017 8:31	67
27/2/2017 12:31	67	4/3/2017 7:01	65	9/3/2017 13:31	68	15/3/2017 8:01	66	20/3/2017 14:31	68	25/3/2017 9:01	67
27/2/2017 13:01	67	4/3/2017 7:31	65	9/3/2017 14:01	68	15/3/2017 8:31	66	20/3/2017 15:01	68	25/3/2017 9:31	67
27/2/2017 13:31	68	4/3/2017 8:01	64	9/3/2017 14:31	67	15/3/2017 9:01	68	20/3/2017 15:31	68	25/3/2017 10:01	67
27/2/2017 14:01	68	4/3/2017 8:31	68	9/3/2017 15:01	67	15/3/2017 9:31	67	20/3/2017 16:01	69	25/3/2017 10:31	67
27/2/2017 14:31	69	4/3/2017 9:01	67	9/3/2017 15:31	68	15/3/2017 10:01	68	20/3/2017 16:31	68	25/3/2017 11:01	65
27/2/2017 15:01	69	4/3/2017 9:31	68	9/3/2017 16:01	68	15/3/2017 10:31	66	20/3/2017 17:01	67	25/3/2017 11:31	67
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28/2/2017 14:31	67	6/3/2017 9:01	66	10/3/2017 15:31	67	16/3/2017 10:01	67	21/3/2017 16:31	69		
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1/3/2017 20:31	66										

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
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28/2/2017 21:41	43	2/3/2017 22:46	65	5/3/2017 7:51	65	5/3/2017 16:56	65	6/3/2017 22:01	65	9/3/2017 19:06	66
28/2/2017 21:46	65	2/3/2017 22:51	64	5/3/2017 7:56	66	5/3/2017 17:01	65	6/3/2017 22:06	65	9/3/2017 19:11	66
28/2/2017 21:51	65	2/3/2017 22:56	65	5/3/2017 8:01	66	5/3/2017 17:06	65	6/3/2017 22:11	64	9/3/2017 19:16	66
28/2/2017 21:56	66	3/3/2017 19:01	57	5/3/2017 8:06	65	5/3/2017 17:11	65	6/3/2017 22:16	65	9/3/2017 19:21	53
28/2/2017 22:01	66	3/3/2017 19:06	53	5/3/2017 8:11	65	5/3/2017 17:16	65	6/3/2017 22:21	65	9/3/2017 19:26	66
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1/3/2017 22:31	65	4/3/2017 19:36	65	5/3/2017 12:41	66	5/3/2017 21:46	65	7/3/2017 22:51	66	10/3/2017 19:56	66
1/3/2017 22:36	66	4/3/2017 19:41	66	5/3/2017 12:46	66	5/3/2017 21:51	64	7/3/2017 22:56	65	10/3/2017 20:01	65
1/3/2017 22:41	65	4/3/2017 19:46	65	5/3/2017 12:51	66	5/3/2017 21:56	65	8/3/2017 19:01	66	10/3/2017 20:06	65
1/3/2017 22:46	65	4/3/2017 19:51	65	5/3/2017 12:56	66	5/3/2017 22:01	64	8/3/2017 19:06	57	10/3/2017 20:11	66
1/3/2017 22:51	64	4/3/2017 19:56	65	5/3/2017 13:01	66	5/3/2017 22:06	64	8/3/2017 19:11	66	10/3/2017 20:16	66
1/3/2017 22:56	65	4/3/2017 20:01	66	5/3/2017 13:06	66	5/3/2017 22:11	64	8/3/2017 19:16	66	10/3/2017 20:21	45
2/3/2017 19:01	66	4/3/2017 20:06	65	5/3/2017 13:11	65	5/3/2017 22:16	64	8/3/2017 19:21	66	10/3/2017 20:26	65
2/3/2017 19:06	66	4/3/2017 20:11	64	5/3/2017 13:16	66	5/3/2017 22:21	65	8/3/2017 19:26	66	10/3/2017 20:31	65
2/3/2017 19:11	65	4/3/2017 20:16	65	5/3/2017 13:21	65	5/3/2017 22:26	64	8/3/2017 19:31	66	10/3/2017 20:36	65
2/3/2017 19:16	66	4/3/2017 20:21	65	5/3/2017 13:26	65	5/3/2017 22:31	64	8/3/2017 19:36	64	10/3/2017 20:41	65
2/3/2017 19:21	66	4/3/2017 20:26									

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
11/3/2017 19:31	56	12/3/2017 12:36	66	12/3/2017 21:41	65	14/3/2017 22:46	65	17/3/2017 19:51	66	19/3/2017 8:56	66
11/3/2017 19:36	65	12/3/2017 12:41	66	12/3/2017 21:46	65	14/3/2017 22:51	65	17/3/2017 19:56	53	19/3/2017 9:01	66
11/3/2017 19:41	65	12/3/2017 12:46	66	12/3/2017 21:51	65	14/3/2017 22:56	65	17/3/2017 20:01	66	19/3/2017 9:06	66
11/3/2017 19:46	65	12/3/2017 12:51	66	12/3/2017 21:56	65	15/3/2017 19:01	66	17/3/2017 20:06	66	19/3/2017 9:11	66
11/3/2017 19:51	66	12/3/2017 12:56	66	12/3/2017 22:01	65	15/3/2017 19:06	51	17/3/2017 20:11	66	19/3/2017 9:16	66
11/3/2017 19:56	65	12/3/2017 13:01	66	12/3/2017 22:06	65	15/3/2017 19:11	66	17/3/2017 20:16	48	19/3/2017 9:21	66
11/3/2017 20:01	65	12/3/2017 13:06	66	12/3/2017 22:11	65	15/3/2017 19:16	65	17/3/2017 20:21	66	19/3/2017 9:26	53
11/3/2017 20:06	65	12/3/2017 13:11	66	12/3/2017 22:16	65	15/3/2017 19:21	46	17/3/2017 20:26	65	19/3/2017 9:31	66
11/3/2017 20:11	65	12/3/2017 13:16	66	12/3/2017 22:21	65	15/3/2017 19:26	66	17/3/2017 20:31	65	19/3/2017 9:36	65
11/3/2017 20:16	65	12/3/2017 13:21	66	12/3/2017 22:26	64	15/3/2017 19:31	56	17/3/2017 20:36	66	19/3/2017 9:41	65
11/3/2017 20:21	65	12/3/2017 13:26	66	12/3/2017 22:31	65	15/3/2017 19:36	47	17/3/2017 20:41	65	19/3/2017 9:46	65
11/3/2017 20:26	65	12/3/2017 13:31	66	12/3/2017 22:36	65	15/3/2017 19:41	66	17/3/2017 20:46	65	19/3/2017 9:51	65
11/3/2017 20:31	65	12/3/2017 13:36	66	12/3/2017 22:41	64	15/3/2017 19:46	55	17/3/2017 20:51	65	19/3/2017 9:56	65
11/3/2017 20:36	45	12/3/2017 13:41	66	12/3/2017 22:46	64	15/3/2017 19:51	66	17/3/2017 20:56	65	19/3/2017 10:01	65
11/3/2017 20:41	64	12/3/2017 13:46	56	12/3/2017 22:51	64	15/3/2017 19:56	66	17/3/2017 21:01	59	19/3/2017 10:06	66
11/3/2017 20:46	65	12/3/2017 13:51	66	12/3/2017 22:56	64	15/3/2017 20:01	55	17/3/2017 21:06	65	19/3/2017 10:11	65
11/3/2017 20:51	65	12/3/2017 13:56	66	13/3/2017 19:01	66	15/3/2017 20:06	65	17/3/2017 21:11	65	19/3/2017 10:16	65
11/3/2017 20:56	65	12/3/2017 14:01	43	13/3/2017 19:06	66	15/3/2017 20:11	67	17/3/2017 21:16	65	19/3/2017 10:21	66
11/3/2017 21:01	65	12/3/2017 14:06	46	13/3/2017 19:11	66	15/3/2017 20:16	66	17/3/2017 21:21	66	19/3/2017 10:26	66
11/3/2017 21:06	65	12/3/2017 14:11	55	13/3/2017 19:16	66	15/3/2017 20:21	65	17/3/2017 21:26	65	19/3/2017 10:31	65
11/3/2017 21:11	65	12/3/2017 14:16	56	13/3/2017 19:21	52	15/3/2017 20:26	66	17/3/2017 21:31	66	19/3/2017 10:36	65
11/3/2017 21:16	66	12/3/2017 14:21	49	13/3/2017 19:26	66	15/3/2017 20:31	66	17/3/2017 21:36	65	19/3/2017 10:41	65
11/3/2017 21:21	66	12/3/2017 14:26	58	13/3/2017 19:31	66	15/3/2017 20:36	65	17/3/2017 21:41	65	19/3/2017 10:46	65
11/3/2017 21:26	65	12/3/2017 14:31	55	13/3/2017 19:36	66	15/3/2017 20:41	65	17/3/2017 21:46	65	19/3/2017 10:51	65
11/3/2017 21:31	65	12/3/2017 14:36	66	13/3/2017 19:41	66	15/3/2017 20:46	65	17/3/2017 21:51	65	19/3/2017 10:56	65
11/3/2017 21:36	64	12/3/2017 14:41	66	13/3/2017 19:46	65	15/3/2017 20:51	65	17/3/2017 21:56	65	19/3/2017 11:01	65
11/3/2017 21:41	65	12/3/2017 14:46	66	13/3/2017 19:51	66	15/3/2017 20:56	65	17/3/2017 22:01	66	19/3/2017 11:06	65
11/3/2017 21:46	65	12/3/2017 14:51	66	13/3/2017 19:56	66	15/3/2017 21:01	65	17/3/2017 22:06	65	19/3/2017 11:11	65
11/3/2017 21:51	65	12/3/2017 14:56	66	13/3/2017 20:01	65	15/3/2017 21:06	65	17/3/2017 22:11	65	19/3/2017 11:16	66
11/3/2017 21:56	65	12/3/2017 15:01	56	13/3/2017 20:06	66	15/3/2017 21:11	65	17/3/2017 22:16	65	19/3/2017 11:21	65
11/3/2017 22:01	65	12/3/2017 15:06	66	13/3/2017 20:11	65	15/3/2017 21:16	65	17/3/2017 22:21	65	19/3/2017 11:26	65
11/3/2017 22:06	65	12/3/2017 15:11	59	13/3/2017 20:16	66	15/3/2017 21:21	65	17/3/2017 22:26	66	19/3/2017 11:31	66
11/3/2017 22:11	65	12/3/2017 15:16	54	13/3/2017 20:21	65	15/3/2017 21:26	66	17/3/2017 22:31	65	19/3/2017 11:36	66
11/3/2017 22:16	65	12/3/2017 15:21	57	13/3/2017 20:26	65	15/3/2017 21:31	65	17/3/2017 22:36	66	19/3/2017 11:41	66
11/3/2017 22:21	65	12/3/2017 15:26	47	13/3/2017 20:31	66	15/3/2017 21:36	65	17/3/2017 22:41	66	19/3/2017 11:46	66
11/3/2017 22:26	65	12/3/2017 15:31	64	13/3/2017 20:36	65	15/3/2017 21:41	65	17/3/2017 22:46	65	19/3/2017 11:51	66
11/3/2017 22:31	65	12/3/2017 15:36	54	13/3/2017 20:41	65	15/3/2017 21:46	65	17/3/2017 22:51	65	19/3/2017 11:56	66
11/3/2017 22:36	65	12/3/2017 15:41	66	13/3/2017 20:46	65	15/3/2017 21:51	65	17/3/2017 22:56	64	19/3/2017 12:01	58
11/3/2017 22:41	65	12/3/2017 15:46	54	13/3/2017 20:51	66	15/3/2017 21:56	66	18/3/2017 19:01	64	19/3/2017 12:06	62
11/3/2017 22:46	65	12/3/2017 15:51	66	13/3/2017 20:56	65	15/3/2017 22:01	65	18/3/2017 19:06	64	19/3/2017 12:11	63
11/3/2017 22:51	65	12/3/2017 15:56	66	13/3/2017 21:01	65	15/3/2017 22:06	65	18/3/2017 19:11	64	19/3/2017 12:16	63
11/3/2017 22:56	64	12/3/2017 16:01	66	13/3/2017 21:06	64	15/3/2017 22:11	65	18/3/2017 19:16	66	19/3/2017 12:21	63
12/3/2017 7:01	64	12/3/2017 16:06	66	13/3/2017 21:11	65	15/3/2017 22:16	65	18/3/2017 19:21	66	19/3/2017 12:26	64
12/3/2017 7:06	64	12/3/2017 16:11	66	13/3/2017 21:16	65	15/3/2017 22:21	65	18/3/2017 19:26	66	19/3/2017 12:31	63
12/3/2017 7:11	66	12/3/2017 16:16	65	13/3/2017 21:21	65	15/3/2017 22:26	66	18/3/2017 19:31	66	19/3/2017 12:36	65
12/3/2017 7:16	64	12/3/2017 16:21	66	13/3/2017 21:26	65	15/3/2017 22:31	66	18/3/2017 19:36	65	19/3/2017 12:41	64
12/3/2017 7:21	65	12/3/2017 16:26	58	13/3/2017 21:31	64	15/3/2017 22:36	65	18/3/2017 19:41	66	19/3/2017 12:46	63
12/3/2017 7:26	65	12/3/2017 16:31	66	13/3/2017 21:36	64	15/3/2017 22:41	66	18/3/2017 19:46	65	19/3/2017 12:51	64
12/3/2017 7:31	65	12/3/2017 16:36	62	13/3/2017 21:41	65	15/3/2017 22:46	65	18/3/2017 19:51	65	19/3/2017 12:56	49
12/3/2017 7:36	65	12/3/2017 16:41	66	13/3/2017 21:46	65	15/3/2017 22:51	66	18/3/2017 19:56	64	19/3/2017 13:01	65
12/3/2017 7:41	65	12/3/2017 16:46	65	13/3/2017 21:51	65	15/3/2017 22:56	64	18/3/2017 20:01	66	19/3/2017 13:06	59
12/3/2017 7:46	66	12/3/2017 16:51	66	13/3/2017 21:56	65	16/3/2017 19:01	66	18/3/2017 20:06	65	19/3/2017 13:11	63
12/3/2017 7:51	65	12/3/2017 16:56	53	13/3/2017 22:01	65	16/3/2017 19:06	55	18/3/2017 20:11	65	19/3/2017 13:16	59
12/3/2017 7:56	65	12/3/2017 17:01	66	13/3/2017 22:06	65	16/3/2017 19:11	49	18/3/2017 20:16	66	19/3/2017 13:21	62
12/3/2017 8:01	65	12/3/2017 17:06	65	13/3/2017 22:11	65	16/3/2017 19:16	66	18/3/2017 20:21	65	19/3/2017 13:26	61
12/3/2017 8:06	66	12/3/2017 17:11	65	13/3/2017 22:16	65	16/3/2017 19:21	66	18/3/2017 20:26	58	19/3/2017 13:31	59
12/3/2017 8:11	66	12/3/2017 17:16	66	13/3/2017 22:21	65	16/3/2017 19:26	66	18/3/2017 20:31	65	19/3/2017 13:36	61
12/3/2017 8:16	66	12/3/2017 17:21	66	13/3/2017 22:26	65	16/3/2017 19:31	66	18/3/2017 20:36	66	19/3/2017 13:41	59
12/3/2017 8:21	65	12/3/2017 17:26	66	13/3/2017 22:31	64	16/3/2017 19:36	59	18/3/2017 20:41	66	19/3/2017 13:46	57
12/3/2017 8:26	66	12/3/2017 17:31	66	13/3/2017 22:36	65	16/3/2017 19:41	66	18/3/2017 20:46	66	19/3/2017 13:51	46
12/3/2017 8:31	66	12/3/2017 17:36	66	13/3/2017 22:41	65	16/3/2017 19:46	66	18/3/2017 20:51	66	19/3/2017 13:56	59
12/3/2017 8:36	66	12/3/2017 17:41	66	13/3/2017 22:46	64	16/3/2017 19:51	58	18/3/2017 20:56	65	19/3/2017 14:01	57
12/3/2017 8:41	66	12/3/2017 17:46	65	13/3/2017 22:51	65	16/3/2017 19:56	59	18/3/2017 21:01	65	19/3/2017 14:06	55
12/3/2017 8:46	66	12/3/2017 17:51	66	13/3/2017 22:56	64	16/3/2017 20:01	66	18/3/2017 21:06	65	19/3/2017 14:11	66
12/3/2017 8:51	66	12/3/2017 17:56	66	14/3/2017 19:01	66	16/3/2017 20:06	66	18/3/2017 21:11	65	19/3/2017 14:16	66
12/3/2017 8:56	66	12/3/2017 18:01	66	14/3/2017 19:06	58	16/3/2017 20:11	66	18/3/2017 21:16	65	19/3/2017 14:21	58
12/3/2017 9:01	66	12/3/2017 18:06	66	14/3/2017 19:11	66	16/3/2017 20:16	55	18/3/2017 21:21	65	19/3/2017 14:26	66
12/3/2017 9:06	49	12/3/2017 18:11	66	14/3/2017 19:16	66	16/3/2017 20:21	66	18/3/2017 21:26	65	19/3/2017 14:31	51
12/3/2017 9:11	66	12/3/2017 18:16	66	14/3/2017 19:21	66	16/3/2017 20:26	66	18/3/2017 21:31	66	19/3/2017 14:36	57
12/3/2017 9:16	66	12/3/2017 18:21	66	14/3/2017 19:26	66	16/3/2017 20:31	66	18/3/2017 21:36	64	19/3/2017 14:41	57
12/3/2017 9:21	66	12/3/2017 18:26	53	14/3/2017 19:31	66	16/3/2017 20:36	66	18/3/2017 21:41	65	19/3/2017 14:46	57
12/3/2017 9:26	66	12/3/2017 18:31	66	14/3/2017 19:36	66	16/3/2017 20:41	60	18/3/2017 21:46	65	19/3/2017 14:51	61
12/3/2017 9:31	66	12/3/2017 18:36	65	14/3/2017 19:41	65	16/3/2017 20:46	65	18/3/2017 21:51	65	19/3/2017 14:56	61
12/3/2017 9:36	66	12/3/2017 18:41	66	14/3/2017 19:46	65	16/3/2017 20:51	65	18/3/2017 21:56	65	19/3/2017 1	

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)				Night time: 23:00-07:00					
19/3/2017 18:01	66	21/3/2017 19:06	66	23/3/2017 20:11	55	25/3/2017 21:16	51	26/3/2017 14:21	66		
19/3/2017 18:06	66	21/3/2017 19:11	65	23/3/2017 20:16	65	25/3/2017 21:21	65	26/3/2017 14:26	66		
19/3/2017 18:11	66	21/3/2017 19:16	66	23/3/2017 20:21	66	25/3/2017 21:26	65	26/3/2017 14:31	65	27/2/2017 0:01	49
19/3/2017 18:16	66	21/3/2017 19:21	66	23/3/2017 20:26	66	25/3/2017 21:31	65	26/3/2017 14:36	65	27/2/2017 0:06	57
19/3/2017 18:21	66	21/3/2017 19:26	66	23/3/2017 20:31	66	25/3/2017 21:36	65	26/3/2017 14:41	66	27/2/2017 0:11	63
19/3/2017 18:26	66	21/3/2017 19:31	66	23/3/2017 20:36	66	25/3/2017 21:41	65	26/3/2017 14:46	66	27/2/2017 0:16	55
19/3/2017 18:31	66	21/3/2017 19:36	66	23/3/2017 20:41	65	25/3/2017 21:46	64	26/3/2017 14:51	66	27/2/2017 0:21	63
19/3/2017 18:36	66	21/3/2017 19:41	66	23/3/2017 20:46	65	25/3/2017 21:51	64	26/3/2017 14:56	57	27/2/2017 0:26	62
19/3/2017 18:41	66	21/3/2017 19:46	66	23/3/2017 20:51	65	25/3/2017 21:56	65	26/3/2017 15:01	66	27/2/2017 0:31	62
19/3/2017 18:46	66	21/3/2017 19:51	66	23/3/2017 20:56	65	25/3/2017 22:01	65	26/3/2017 15:06	65	27/2/2017 0:36	63
19/3/2017 18:51	66	21/3/2017 19:56	65	23/3/2017 21:01	65	25/3/2017 22:06	64	26/3/2017 15:11	66	27/2/2017 0:41	61
19/3/2017 18:56	66	21/3/2017 20:01	66	23/3/2017 21:06	64	25/3/2017 22:11	65	26/3/2017 15:16	66	27/2/2017 0:46	62
19/3/2017 19:01	66	21/3/2017 20:06	66	23/3/2017 21:11	65	25/3/2017 22:16	65	26/3/2017 15:21	66	27/2/2017 0:51	62
19/3/2017 19:06	43	21/3/2017 20:11	65	23/3/2017 21:16	65	25/3/2017 22:21	65	26/3/2017 15:26	65	27/2/2017 0:56	61
19/3/2017 19:11	66	21/3/2017 20:16	66	23/3/2017 21:21	66	25/3/2017 22:26	64	26/3/2017 15:31	66	27/2/2017 1:01	62
19/3/2017 19:16	66	21/3/2017 20:21	55	23/3/2017 21:26	65	25/3/2017 22:31	65	26/3/2017 15:36	66	27/2/2017 1:06	62
19/3/2017 19:21	66	21/3/2017 20:26	66	23/3/2017 21:31	65	25/3/2017 22:36	65	26/3/2017 15:41	65	27/2/2017 1:11	62
19/3/2017 19:26	66	21/3/2017 20:31	66	23/3/2017 21:36	65	25/3/2017 22:41	66	26/3/2017 15:46	65	27/2/2017 1:16	62
19/3/2017 19:31	66	21/3/2017 20:36	66	23/3/2017 21:41	65	25/3/2017 22:46	65	26/3/2017 15:51	65	27/2/2017 1:21	62
19/3/2017 19:36	66	21/3/2017 20:41	66	23/3/2017 21:46	65	25/3/2017 22:51	66	26/3/2017 15:56	66	27/2/2017 1:26	61
19/3/2017 19:41	66	21/3/2017 20:46	66	23/3/2017 21:51	65	25/3/2017 22:56	66	26/3/2017 16:01	65	27/2/2017 1:31	62
19/3/2017 19:46	66	21/3/2017 20:51	66	23/3/2017 21:56	65	26/3/2017 7:01	64	26/3/2017 16:06	56	27/2/2017 1:36	60
19/3/2017 19:51	49	21/3/2017 20:56	66	23/3/2017 22:01	65	26/3/2017 7:06	65	26/3/2017 16:11	66	27/2/2017 1:41	61
19/3/2017 19:56	66	21/3/2017 21:01	65	23/3/2017 22:06	65	26/3/2017 7:11	64	26/3/2017 16:16	66	27/2/2017 1:46	60
19/3/2017 20:01	66	21/3/2017 21:06	65	23/3/2017 22:11	65	26/3/2017 7:16	63	26/3/2017 16:21	66	27/2/2017 1:51	61
19/3/2017 20:06	66	21/3/2017 21:11	65	23/3/2017 22:16	66	26/3/2017 7:21	63	26/3/2017 16:26	66	27/2/2017 1:56	62
19/3/2017 20:11	66	21/3/2017 21:16	65	23/3/2017 22:21	65	26/3/2017 7:26	63	26/3/2017 16:31	66	27/2/2017 2:01	60
19/3/2017 20:16	46	21/3/2017 21:21	65	23/3/2017 22:26	65	26/3/2017 7:31	64	26/3/2017 16:36	66	27/2/2017 2:06	59
19/3/2017 20:21	66	21/3/2017 21:26	64	23/3/2017 22:31	66	26/3/2017 7:36	64	26/3/2017 16:41	66	27/2/2017 2:11	61
19/3/2017 20:26	59	21/3/2017 21:31	64	23/3/2017 22:36	64	26/3/2017 7:41	64	26/3/2017 16:46	65	27/2/2017 2:16	63
19/3/2017 20:31	66	21/3/2017 21:36	64	23/3/2017 22:41	66	26/3/2017 7:46	65	26/3/2017 16:51	66	27/2/2017 2:21	59
19/3/2017 20:36	66	21/3/2017 21:41	64	23/3/2017 22:46	66	26/3/2017 7:51	64	26/3/2017 16:56	66	27/2/2017 2:26	59
19/3/2017 20:41	66	21/3/2017 21:46	65	23/3/2017 22:51	65	26/3/2017 7:56	65	26/3/2017 17:01	66	27/2/2017 2:31	60
19/3/2017 20:46	66	21/3/2017 21:51	64	23/3/2017 22:56	65	26/3/2017 8:01	64	26/3/2017 17:06	66	27/2/2017 2:36	60
19/3/2017 20:51	66	21/3/2017 21:56	64	24/3/2017 19:01	64	26/3/2017 8:06	65	26/3/2017 17:11	66	27/2/2017 2:41	59
19/3/2017 20:56	66	21/3/2017 22:01	64	24/3/2017 19:06	64	26/3/2017 8:11	64	26/3/2017 17:16	66	27/2/2017 2:46	59
19/3/2017 21:01	66	21/3/2017 22:06	64	24/3/2017 19:11	66	26/3/2017 8:16	65	26/3/2017 17:21	66	27/2/2017 2:51	60
19/3/2017 21:06	66	21/3/2017 22:11	65	24/3/2017 19:16	65	26/3/2017 8:21	65	26/3/2017 17:26	66	27/2/2017 2:56	57
19/3/2017 21:11	65	21/3/2017 22:16	64	24/3/2017 19:21	66	26/3/2017 8:26	66	26/3/2017 17:31	66	27/2/2017 3:01	60
19/3/2017 21:16	65	21/3/2017 22:21	65	24/3/2017 19:26	66	26/3/2017 8:31	65	26/3/2017 17:36	66	27/2/2017 3:06	58
19/3/2017 21:21	65	21/3/2017 22:26	64	24/3/2017 19:31	66	26/3/2017 8:36	65	26/3/2017 17:41	66	27/2/2017 3:11	58
19/3/2017 21:26	65	21/3/2017 22:31	64	24/3/2017 19:36	65	26/3/2017 8:41	65	26/3/2017 17:46	65	27/2/2017 3:16	59
19/3/2017 21:31	66	21/3/2017 22:36	65	24/3/2017 19:41	65	26/3/2017 8:46	65	26/3/2017 17:51	66	27/2/2017 3:21	60
19/3/2017 21:36	65	21/3/2017 22:41	64	24/3/2017 19:46	65	26/3/2017 8:51	66	26/3/2017 17:56	65	27/2/2017 3:26	58
19/3/2017 21:41	65	21/3/2017 22:46	65	24/3/2017 19:51	66	26/3/2017 8:56	66	26/3/2017 18:01	53	27/2/2017 3:31	59
19/3/2017 21:46	65	21/3/2017 22:51	65	24/3/2017 19:56	65	26/3/2017 9:01	65	26/3/2017 18:06	66	27/2/2017 3:36	60
19/3/2017 21:51	66	21/3/2017 22:56	64	24/3/2017 20:01	49	26/3/2017 9:06	66	26/3/2017 18:11	65	27/2/2017 3:41	58
19/3/2017 21:56	65	22/3/2017 19:01	66	24/3/2017 20:06	65	26/3/2017 9:11	66	26/3/2017 18:16	66	27/2/2017 3:46	59
19/3/2017 22:01	65	22/3/2017 19:06	66	24/3/2017 20:11	66	26/3/2017 9:16	51	26/3/2017 18:21	52	27/2/2017 3:51	58
19/3/2017 22:06	66	22/3/2017 19:11	65	24/3/2017 20:16	65	26/3/2017 9:21	66	26/3/2017 18:26	66	27/2/2017 3:56	59
19/3/2017 22:11	65	22/3/2017 19:16	66	24/3/2017 20:21	65	26/3/2017 9:26	66	26/3/2017 18:31	66	27/2/2017 4:01	60
19/3/2017 22:16	66	22/3/2017 19:21	65	24/3/2017 20:26	65	26/3/2017 9:31	53	26/3/2017 18:36	65	27/2/2017 4:06	58
19/3/2017 22:21	65	22/3/2017 19:26	66	24/3/2017 20:31	65	26/3/2017 9:36	66	26/3/2017 18:41	66	27/2/2017 4:11	58
19/3/2017 22:26	66	22/3/2017 19:31	65	24/3/2017 20:36	65	26/3/2017 9:41	66	26/3/2017 18:46	66	27/2/2017 4:16	57
19/3/2017 22:31	65	22/3/2017 19:36	65	24/3/2017 20:41	65	26/3/2017 9:46	66	26/3/2017 18:51	66	27/2/2017 4:21	60
19/3/2017 22:36	65	22/3/2017 19:41	66	24/3/2017 20:46	66	26/3/2017 9:51	66	26/3/2017 18:56	66	27/2/2017 4:26	58
19/3/2017 22:41	65	22/3/2017 19:46	65	24/3/2017 20:51	65	26/3/2017 9:56	57	26/3/2017 19:01	65	27/2/2017 4:31	59
19/3/2017 22:46	64	22/3/2017 19:51	66	24/3/2017 20:56	65	26/3/2017 10:01	66	26/3/2017 19:06	66	27/2/2017 4:36	58
19/3/2017 22:51	64	22/3/2017 19:56	65	24/3/2017 21:01	65	26/3/2017 10:06	66	26/3/2017 19:11	65	27/2/2017 4:41	59
19/3/2017 22:56	65	22/3/2017 20:01	66	24/3/2017 21:06	64	26/3/2017 10:11	66	26/3/2017 19:16	65	27/2/2017 4:46	60
20/3/2017 19:01	62	22/3/2017 20:06	65	24/3/2017 21:11	66	26/3/2017 10:16	66	26/3/2017 19:21	66	27/2/2017 4:51	59
20/3/2017 19:06	63	22/3/2017 20:11	65	24/3/2017 21:16	64	26/3/2017 10:21	66	26/3/2017 19:26	66	27/2/2017 4:56	59
20/3/2017 19:11	61	22/3/2017 20:16	62	24/3/2017 21:21	65	26/3/2017 10:26	51	26/3/2017 19:31	66	27/2/2017 5:01	60
20/3/2017 19:16	62	22/3/2017 20:21	66	24/3/2017 21:26	64	26/3/2017 10:31	66	26/3/2017 19:36	66	27/2/2017 5:06	60
20/3/2017 19:21	63	22/3/2017 20:26	66	24/3/2017 21:31	65	26/3/2017 10:36	66	26/3/2017 19:41	65	27/2/2017 5:11	61
20/3/2017 19:26	63	22/3/2017 20:31	65	24/3/2017 21:36	65	26/3/2017 10:41	66	26/3/2017 19:46	64	27/2/2017 5:16	60
20/3/2017 19:31	63	22/3/2017 20:36	65	24/3/2017 21:41	65	26/3/2017 10:46	66	26/3/2017 19:51	65	27/2/2017 5:21	60
20/3/2017 19:36	64	22/3/2017 20:41	65	24/3/2017 21:46	65	26/3/2017 10:51	66	26/3/2017 19:56	65	27/2/2017 5:26	62
20/3/2017 19:41	51	22/3/2017 20:46	65	24/3/2017 21:51	65	26/3/2017 10:56	67	26/3/2017 20:01	65	27/2/2017 5:31	60
20/3/2017 19:46	66	22/3/2017 20:51	65	24/3/2017 21:56	65	26/3/2017 11:01	66	26/3/2017 20:06	65	27/2/2017 5:36	61
20/3/2017 19:51	66	22/3/2017 20:56	65	24/3/2017 22:01	65	26/3/2017 11:06	47	26/3/2017 20:11	66	27/2/2017 5:41	61
20/3/2017 19:56	51	22/3/2017 21:01	65	24/3/2017 22:06	64	26/3/2017 11:11	66	26/3/2017 20:16	65	27/2/2017 5:46	61
20/3/2017 20:01	66	22/3/2017 21:06	65	24/3/2017 22:11	66	26/3/2017 11:16	66	26/3/2017 20:21	65	27/2/2017 5:51	62
20/3/2017 20:06	53	22/3/2017 21:11	65	24/3/2017 22:16	65	26/3/2017 11:21	66	26/3/2017 20:26	65	27/2/2017 5:56	63
20/3/2017 20:11	66	22/3/2017 21:16	65	24/3/2017 22:							

Real-time Noise Data RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)

28/2/2017 0:56	65	1/3/2017 2:01	61	2/3/2017 3:06	59	3/3/2017 4:11	61	4/3/2017 5:16	63	5/3/2017 6:21	61
28/2/2017 1:01	62	1/3/2017 2:06	62	2/3/2017 3:11	59	3/3/2017 4:16	60	4/3/2017 5:21	61	5/3/2017 6:26	59
28/2/2017 1:06	60	1/3/2017 2:11	61	2/3/2017 3:16	60	3/3/2017 4:21	61	4/3/2017 5:26	60	5/3/2017 6:31	54
28/2/2017 1:11	63	1/3/2017 2:16	60	2/3/2017 3:21	60	3/3/2017 4:26	61	4/3/2017 5:31	63	5/3/2017 6:36	61
28/2/2017 1:16	61	1/3/2017 2:21	61	2/3/2017 3:26	60	3/3/2017 4:31	60	4/3/2017 5:36	61	5/3/2017 6:41	58
28/2/2017 1:21	63	1/3/2017 2:26	61	2/3/2017 3:31	60	3/3/2017 4:36	59	4/3/2017 5:41	62	5/3/2017 6:46	57
28/2/2017 1:26	62	1/3/2017 2:31	60	2/3/2017 3:36	60	3/3/2017 4:41	59	4/3/2017 5:46	62	5/3/2017 6:51	60
28/2/2017 1:31	63	1/3/2017 2:36	61	2/3/2017 3:41	59	3/3/2017 4:46	59	4/3/2017 5:51	62	5/3/2017 6:56	61
28/2/2017 1:36	62	1/3/2017 2:41	60	2/3/2017 3:46	59	3/3/2017 4:51	59	4/3/2017 5:56	63	5/3/2017 23:01	57
28/2/2017 1:41	62	1/3/2017 2:46	59	2/3/2017 3:51	60	3/3/2017 4:56	60	4/3/2017 6:01	63	5/3/2017 23:06	58
28/2/2017 1:46	62	1/3/2017 2:51	60	2/3/2017 3:56	59	3/3/2017 5:01	61	4/3/2017 6:06	63	5/3/2017 23:11	55
28/2/2017 1:51	62	1/3/2017 2:56	60	2/3/2017 4:01	58	3/3/2017 5:06	61	4/3/2017 6:11	62	5/3/2017 23:16	61
28/2/2017 1:56	61	1/3/2017 3:01	60	2/3/2017 4:06	59	3/3/2017 5:11	60	4/3/2017 6:16	40	5/3/2017 23:21	55
28/2/2017 2:01	62	1/3/2017 3:06	59	2/3/2017 4:11	58	3/3/2017 5:16	59	4/3/2017 6:21	54	5/3/2017 23:26	53
28/2/2017 2:06	61	1/3/2017 3:11	60	2/3/2017 4:16	61	3/3/2017 5:21	60	4/3/2017 6:26	55	5/3/2017 23:31	53
28/2/2017 2:11	61	1/3/2017 3:16	59	2/3/2017 4:21	59	3/3/2017 5:26	61	4/3/2017 6:31	63	5/3/2017 23:36	63
28/2/2017 2:16	61	1/3/2017 3:21	59	2/3/2017 4:26	58	3/3/2017 5:31	60	4/3/2017 6:36	59	5/3/2017 23:41	63
28/2/2017 2:21	62	1/3/2017 3:26	58	2/3/2017 4:31	60	3/3/2017 5:36	61	4/3/2017 6:41	58	5/3/2017 23:46	63
28/2/2017 2:26	61	1/3/2017 3:31	60	2/3/2017 4:36	59	3/3/2017 5:41	61	4/3/2017 6:46	60	5/3/2017 23:51	63
28/2/2017 2:31	60	1/3/2017 3:36	60	2/3/2017 4:41	59	3/3/2017 5:46	61	4/3/2017 6:51	60	5/3/2017 23:56	62
28/2/2017 2:36	61	1/3/2017 3:41	58	2/3/2017 4:46	61	3/3/2017 5:51	62	4/3/2017 6:56	62	6/3/2017 0:01	63
28/2/2017 2:41	60	1/3/2017 3:46	60	2/3/2017 4:51	60	3/3/2017 5:56	62	4/3/2017 23:01	61	6/3/2017 0:06	63
28/2/2017 2:46	61	1/3/2017 3:51	59	2/3/2017 4:56	59	3/3/2017 6:01	62	4/3/2017 23:06	60	6/3/2017 0:11	62
28/2/2017 2:51	61	1/3/2017 3:56	59	2/3/2017 5:01	60	3/3/2017 6:06	63	4/3/2017 23:11	60	6/3/2017 0:16	62
28/2/2017 2:56	59	1/3/2017 4:01	59	2/3/2017 5:06	60	3/3/2017 6:11	63	4/3/2017 23:16	61	6/3/2017 0:21	62
28/2/2017 3:01	60	1/3/2017 4:06	58	2/3/2017 5:11	60	3/3/2017 6:16	51	4/3/2017 23:21	60	6/3/2017 0:26	61
28/2/2017 3:06	61	1/3/2017 4:11	60	2/3/2017 5:16	61	3/3/2017 6:21	53	4/3/2017 23:26	60	6/3/2017 0:31	62
28/2/2017 3:11	60	1/3/2017 4:16	61	2/3/2017 5:21	60	3/3/2017 6:26	60	4/3/2017 23:31	58	6/3/2017 0:36	62
28/2/2017 3:16	60	1/3/2017 4:21	59	2/3/2017 5:26	63	3/3/2017 6:31	61	4/3/2017 23:36	59	6/3/2017 0:41	61
28/2/2017 3:21	62	1/3/2017 4:26	60	2/3/2017 5:31	61	3/3/2017 6:36	61	4/3/2017 23:41	61	6/3/2017 0:46	61
28/2/2017 3:26	61	1/3/2017 4:31	60	2/3/2017 5:36	61	3/3/2017 6:41	62	4/3/2017 23:46	59	6/3/2017 0:51	63
28/2/2017 3:31	60	1/3/2017 4:36	60	2/3/2017 5:41	62	3/3/2017 6:46	62	4/3/2017 23:51	53	6/3/2017 0:56	61
28/2/2017 3:36	60	1/3/2017 4:41	60	2/3/2017 5:46	61	3/3/2017 6:51	64	4/3/2017 23:56	52	6/3/2017 1:01	61
28/2/2017 3:41	59	1/3/2017 4:46	59	2/3/2017 5:51	62	3/3/2017 6:56	65	5/3/2017 0:01	56	6/3/2017 1:06	61
28/2/2017 3:46	60	1/3/2017 4:51	60	2/3/2017 5:56	63	3/3/2017 23:01	62	5/3/2017 0:06	59	6/3/2017 1:11	60
28/2/2017 3:51	60	1/3/2017 4:56	60	2/3/2017 6:01	62	3/3/2017 23:06	62	5/3/2017 0:11	56	6/3/2017 1:16	61
28/2/2017 3:56	59	1/3/2017 5:01	60	2/3/2017 6:06	48	3/3/2017 23:11	61	5/3/2017 0:16	50	6/3/2017 1:21	61
28/2/2017 4:01	58	1/3/2017 5:06	61	2/3/2017 6:11	63	3/3/2017 23:16	60	5/3/2017 0:21	56	6/3/2017 1:26	61
28/2/2017 4:06	59	1/3/2017 5:11	59	2/3/2017 6:16	57	3/3/2017 23:21	59	5/3/2017 0:26	53	6/3/2017 1:31	60
28/2/2017 4:11	59	1/3/2017 5:16	59	2/3/2017 6:21	57	3/3/2017 23:26	61	5/3/2017 0:31	57	6/3/2017 1:36	61
28/2/2017 4:16	59	1/3/2017 5:21	59	2/3/2017 6:26	59	3/3/2017 23:31	61	5/3/2017 0:36	53	6/3/2017 1:41	60
28/2/2017 4:21	59	1/3/2017 5:26	61	2/3/2017 6:31	60	3/3/2017 23:36	58	5/3/2017 0:41	63	6/3/2017 1:46	60
28/2/2017 4:26	60	1/3/2017 5:31	61	2/3/2017 6:36	59	3/3/2017 23:41	59	5/3/2017 0:46	51	6/3/2017 1:51	59
28/2/2017 4:31	60	1/3/2017 5:36	61	2/3/2017 6:41	62	3/3/2017 23:46	59	5/3/2017 0:51	63	6/3/2017 1:56	60
28/2/2017 4:36	59	1/3/2017 5:41	61	2/3/2017 6:46	64	3/3/2017 23:51	55	5/3/2017 0:56	50	6/3/2017 2:01	60
28/2/2017 4:41	59	1/3/2017 5:46	63	2/3/2017 6:51	64	3/3/2017 23:56	58	5/3/2017 1:01	63	6/3/2017 2:06	60
28/2/2017 4:46	60	1/3/2017 5:51	62	2/3/2017 6:56	63	4/3/2017 0:01	58	5/3/2017 1:06	63	6/3/2017 2:11	61
28/2/2017 4:51	60	1/3/2017 5:56	63	2/3/2017 23:01	60	4/3/2017 0:06	55	5/3/2017 1:11	62	6/3/2017 2:16	60
28/2/2017 4:56	60	1/3/2017 6:01	62	2/3/2017 23:06	60	4/3/2017 0:11	59	5/3/2017 1:16	63	6/3/2017 2:21	58
28/2/2017 5:01	60	1/3/2017 6:06	63	2/3/2017 23:11	65	4/3/2017 0:16	57	5/3/2017 1:21	62	6/3/2017 2:26	58
28/2/2017 5:06	59	1/3/2017 6:11	63	2/3/2017 23:16	63	4/3/2017 0:21	56	5/3/2017 1:26	50	6/3/2017 2:31	58
28/2/2017 5:11	59	1/3/2017 6:16	63	2/3/2017 23:21	57	4/3/2017 0:26	59	5/3/2017 1:31	63	6/3/2017 2:36	58
28/2/2017 5:16	60	1/3/2017 6:21	37	2/3/2017 23:26	60	4/3/2017 0:31	60	5/3/2017 1:36	63	6/3/2017 2:41	58
28/2/2017 5:21	61	1/3/2017 6:26	60	2/3/2017 23:31	58	4/3/2017 0:36	57	5/3/2017 1:41	62	6/3/2017 2:46	59
28/2/2017 5:26	62	1/3/2017 6:31	59	2/3/2017 23:36	57	4/3/2017 0:41	51	5/3/2017 1:46	63	6/3/2017 2:51	57
28/2/2017 5:31	61	1/3/2017 6:36	58	2/3/2017 23:41	57	4/3/2017 0:46	50	5/3/2017 1:51	62	6/3/2017 2:56	59
28/2/2017 5:36	61	1/3/2017 6:41	61	2/3/2017 23:46	58	4/3/2017 0:51	55	5/3/2017 1:56	62	6/3/2017 3:01	59
28/2/2017 5:41	61	1/3/2017 6:46	62	2/3/2017 23:51	53	4/3/2017 0:56	55	5/3/2017 2:01	62	6/3/2017 3:06	61
28/2/2017 5:46	62	1/3/2017 6:51	64	2/3/2017 23:56	52	4/3/2017 1:01	55	5/3/2017 2:06	62	6/3/2017 3:11	58
28/2/2017 5:51	62	1/3/2017 6:56	63	3/3/2017 0:01	56	4/3/2017 1:06	63	5/3/2017 2:11	61	6/3/2017 3:16	59
28/2/2017 5:56	62	1/3/2017 23:01	61	3/3/2017 0:06	51	4/3/2017 1:11	59	5/3/2017 2:16	62	6/3/2017 3:21	58
28/2/2017 6:01	63	1/3/2017 23:06	59	3/3/2017 0:11	55	4/3/2017 1:16	64	5/3/2017 2:21	56	6/3/2017 3:26	58
28/2/2017 6:06	59	1/3/2017 23:11	62	3/3/2017 0:16	52	4/3/2017 1:21	63	5/3/2017 2:26	61	6/3/2017 3:31	60
28/2/2017 6:11	54	1/3/2017 23:16	60	3/3/2017 0:21	59	4/3/2017 1:26	50	5/3/2017 2:31	62	6/3/2017 3:36	58
28/2/2017 6:16	55	1/3/2017 23:21	59	3/3/2017 0:26	54	4/3/2017 1:31	63	5/3/2017 2:36	61	6/3/2017 3:41	59
28/2/2017 6:21	60	1/3/2017 23:26	60	3/3/2017 0:31	63	4/3/2017 1:36	63	5/3/2017 2:41	62	6/3/2017 3:46	58
28/2/2017 6:26	60	1/3/2017 23:31	58	3/3/2017 0:36	45	4/3/2017 1:41	58	5/3/2017 2:46	62	6/3/2017 3:51	58
28/2/2017 6:31	62	1/3/2017 23:36	59	3/3/2017 0:41	63	4/3/2017 1:46	59	5/3/2017 2:51	61	6/3/2017 3:56	58
28/2/2017 6:36	61	1/3/2017 23:41	58	3/3/2017 0:46	63	4/3/2017 1:51	57	5/3/2017 2:56	61	6/3/2017 4:01	56
28/2/2017 6:41	62	1/3/2017 23:46	59	3/3/2017 0:51	62	4/3/2017 1:56	62	5/3/2017 3:01	60	6/3/2017 4:06	58
28/2/2017 6:46	65	1/3/2017 23:51	56	3/3/2017 0:56	63	4/3/2017 2:01	54	5/3/2017 3:06	61	6/3/2017 4:11	58
28/2/2017 6:51	63	1/3/2017 23:56	55	3/3/2017 1:01	51	4/3/2017 2:06	62	5/3/2017 3:11	61	6/3/2017 4:16	58
28/2/2017 6:56	63	2/3/2017 0:01	56	3/3/2017 1:06	62	4/3/2017 2:11	62	5/3/2017 3:16	61	6/3/2017 4:21	58
28/2/2017 23:01	60	2/3/2017 0:06	56	3/3/2017 1:11	63	4/3/2017 2:16	62	5/3/2017 3:21	61	6/3/2017 4:26	58
28/2/2017 23:06	58	2/3/2017 0:11	54	3/3/2017 1:16	63	4/3/2017 2:21	62	5/3/2017 3:26	61	6/3/2017 4:31	60
28/2/2017 23:11	59	2/3/2017 0:16	63	3/3/2017 1:21	62	4/3/2017 2:26	63	5/3/2017 3:31	62	6/3/2017 4:36	59
28/2/2017 23:16	59	2/3/2017 0:21	52	3/3/2017 1:26	62	4/3/2017 2:31	62	5/3/2017 3:36	61	6/3/2017 4:41	57
28/2/2017 23:21	58	2/3/2017 0:26	57	3/3/2017 1:31	62	4/3/2017 2:36	62	5/3/2017 3:41	61	6/3/2017 4:46	59
28/2/2017 23:26	58	2/3/2017 0:31	63	3/3							

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
6/3/2017 23:26	57	8/3/2017 0:31	63	9/3/2017 1:36	62	10/3/2017 2:41	61	11/3/2017 3:46	60	12/3/2017 4:51	60
6/3/2017 23:31	42	8/3/2017 0:36	63	9/3/2017 1:41	62	10/3/2017 2:46	61	11/3/2017 3:51	59	12/3/2017 4:56	61
6/3/2017 23:36	52	8/3/2017 0:41	62	9/3/2017 1:46	62	10/3/2017 2:51	61	11/3/2017 3:56	61	12/3/2017 5:01	61
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7/3/2017 3:36	59	8/3/2017 4:41	60	9/3/2017 5:46	61	10/3/2017 6:51	62	11/3/2017 7:56	58	13/3/2017 1:01	62
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7/3/2017 3:46	59	8/3/2017 4:51	60	9/3/2017 5:56	60	10/3/2017 7:01	61	12/3/2017 0:06	55	13/3/2017 1:11	60
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7/3/2017 4:11	59	8/3/2017 5:16	61	9/3/2017 6:21	55	10/3/2017 7:26	59	12/3/2017 0:31	54	13/3/2017 1:36	60
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7/3/2017 4:26	60	8/3/2017 5:31	61	9/3/2017 6:36	61	10/3/2017 7:41	57	12/3/2017 0:46	50	13/3/2017 1:51	61
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7/3/2017 4:36	59	8/3/2017 5:41	61	9/3/2017 6:46	61	10/3/2017 7:51	51	12/3/2017 0:56	63	13/3/2017 2:01	59
7/3/2017 4:41	61	8/3/2017 5:46	61	9/3/2017 6:51	64	10/3/2017 7:56	53	12/3/2017 1:01	53	13/3/2017 2:06	60
7/3/2017 4:46	60	8/3/2017 5:51	61	9/3/2017 6:56	63	11/3/2017 0:01	61	12/3/2017 1:06	60	13/3/2017 2:11	60
7/3/2017 4:51	61	8/3/2017 5:56	63	9/3/2017 7:01	58	11/3/2017 0:06	63	12/3/2017 1:11	58	13/3/2017 2:16	59
7/3/2017 4:56	60	8/3/2017 6:01	61	9/3/2017 7:06	58	11/3/2017 0:11	63	12/3/2017 1:16	56	13/3/2017 2:21	59
7/3/2017 5:01	60	8/3/2017 6:06	45	9/3/2017 7:11	58	11/3/2017 0:16	63	12/3/2017 1:21	52	13/3/2017 2:26	60
7/3/2017 5:06	59	8/3/2017 6:11	62	9/3/2017 7:16	58	11/3/2017 0:21	63	12/3/2017 1:26	54	13/3/2017 2:31	60
7/3/2017 5:11	60	8/3/2017 6:16	55	9/3/2017 7:21	60	11/3/2017 0:26	43	12/3/2017 1:31	63	13/3/2017 2:36	59
7/3/2017 5:16	61	8/3/2017 6:21	54	9/3/2017 7:26	60	11/3/2017 0:31	60	12/3/2017 1:36	63	13/3/2017 2:41	58
7/3/2017 5:21	60	8/3/2017 6:26	55	9/3/2017 7:31	59	11/3/2017 0:36	63	12/3/2017 1:41	50	13/3/2017 2:46	60
7/3/2017 5:26	61	8/3/2017 6:31	60	9/3/2017 7:36	58	11/3/2017 0:41	49	12/3/2017 1:46	53	13/3/2017 2:51	58
7/3/2017 5:31	61	8/3/2017 6:36	60	9/3/2017 7:41	57	11/3/2017 0:46	51	12/3/2017 1:51	62	13/3/2017 2:56	58
7/3/2017 5:36	62	8/3/2017 6:41	61	9/3/2017 7:46	55	11/3/2017 0:51	62	12/3/2017 1:56	63	13/3/2017 3:01	58
7/3/2017 5:41	62	8/3/2017 6:46	61	9/3/2017 7:51	49	11/3/2017 0:56	63	12/3/2017 2:01	57	13/3/2017 3:06	60
7/3/2017 5:46	62	8/3/2017 6:51	72	9/3/2017 7:56	57	11/3/2017 1:01	63	12/3/2017 2:06	62	13/3/2017 3:11	60
7/3/2017 5:51	62	8/3/2017 6:56	63	10/3/2017 0:01	56	11/3/2017 1:06	63	12/3/2017 2:11			

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
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13/3/2017 6:01	62	14/3/2017 23:06	59	16/3/2017 0:11	53	17/3/2017 1:16	62	18/3/2017 2:21	62	19/3/2017 3:26	62
13/3/2017 6:06	63	14/3/2017 23:11	58	16/3/2017 0:16	63	17/3/2017 1:21	62	18/3/2017 2:26	63	19/3/2017 3:31	61
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13/3/2017 6:16	63	14/3/2017 23:21	60	16/3/2017 0:26	54	17/3/2017 1:31	65	18/3/2017 2:36	62	19/3/2017 3:41	60
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13/3/2017 6:26	54	14/3/2017 23:31	60	16/3/2017 0:36	56	17/3/2017 1:41	62	18/3/2017 2:46	63	19/3/2017 3:51	60
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14/3/2017 1:36	61	15/3/2017 2:41	60	16/3/2017 3:46	60	17/3/2017 4:51	59	18/3/2017 5:56	62	19/3/2017 7:01	60
14/3/2017 1:41	61	15/3/2017 2:46	60	16/3/2017 3:51	59	17/3/2017 4:56	60	18/3/2017 6:01	62	19/3/2017 7:06	59
14/3/2017 1:46	61	15/3/2017 2:51	60	16/3/2017 3:56	60	17/3/2017 5:01	61	18/3/2017 6:06	62	19/3/2017 7:11	58
14/3/2017 1:51	61	15/3/2017 2:56	61	16/3/2017 4:01	59	17/3/2017 5:06	60	18/3/2017 6:11	62	19/3/2017 7:16	57
14/3/2017 1:56	61	15/3/2017 3:01	59	16/3/2017 4:06	59	17/3/2017 5:11	60	18/3/2017 6:16	58	19/3/2017 7:21	53
14/3/2017 2:01	59	15/3/2017 3:06	59	16/3/2017 4:11	59	17/3/2017 5:16	61	18/3/2017 6:21	58	19/3/2017 7:26	58
14/3/2017 2:06	60	15/3/2017 3:11	60	16/3/2017 4:16	60	17/3/2017 5:21	61	18/3/2017 6:26	62	19/3/2017 7:31	58
14/3/2017 2:11	61	15/3/2017 3:16	59	16/3/2017 4:21	61	17/3/2017 5:26	60	18/3/2017 6:31	62	19/3/2017 7:36	63
14/3/2017 2:16	60	15/3/2017 3:21	60	16/3/2017 4:26	61	17/3/2017 5:31	61	18/3/2017 6:36	55	19/3/2017 7:41	56
14/3/2017 2:21	60	15/3/2017 3:26	60	16/3/2017 4:31	60	17/3/2017 5:36	60	18/3/2017 6:41	58	19/3/2017 7:46	58
14/3/2017 2:26	60	15/3/2017 3:31	60	16/3/2017 4:36	60	17/3/2017 5:41	53	18/3/2017 6:46	57	19/3/2017 7:51	56
14/3/2017 2:31	59	15/3/2017 3:36	60	16/3/2017 4:41	59	17/3/2017 5:46	62	18/3/2017 6:51	58	19/3/2017 7:56	53
14/3/2017 2:36	59	15/3/2017 3:41	59	16/3/2017 4:46	60	17/3/2017 5:51	62	18/3/2017 6:56	60	20/3/2017 0:01	63
14/3/2017 2:41	60	15/3/2017 3:46	61	16/3/2017 4:51	60	17/3/2017 5:56	62	18/3/2017 7:01	60	20/3/2017 0:06	62
14/3/2017 2:46	60	15/3/2017 3:51	61	16/3/2017 4:56	60	17/3/2017 6:01	63	18/3/2017 7:06	60	20/3/2017 0:11	48
14/3/2017 2:51	60	15/3/2017 3:56	59	16/3/2017 5:01	60	17/3/2017 6:06	63	18/3/2017 7:11	60	20/3/2017 0:16	45
14/3/2017 2:56	61	15/3/2017 4:01	59	16/3/2017 5:06	61	17/3/2017 6:11	54	18/3/2017 7:16	61	20/3/2017 0:21	62
14/3/2017 3:01	59	15/3/2017 4:06	61	16/3/2017 5:11	60	17/3/2017 6:16	60	18/3/2017 7:21	60	20/3/2017 0:26	63
14/3/2017 3:06	60	15/3/2017 4:11	61	16/3/2017 5:16	61	17/3/2017 6:21	51	18/3/2017 7:26	59	20/3/2017 0:31	54
14/3/2017 3:11	60	15/3/2017 4:16	60	16/3/2017 5:21	60	17/3/2017 6:26	55	18/3/2017 7:31	60	20/3/2017 0:36	62
14/3/2017 3:16	58	15/3/2017 4:21	60	16/3/2017 5:26	61	17/3/2017 6:31	60	18/3/2017 7:36	62	20/3/2017 0:41	63
14/3/2017 3:21	59	15/3/2017 4:26	59	16/3/2017 5:31	61	17/3/2017 6:36	60	18/3/2017 7:41	59	20/3/2017 0:46	62
14/3/2017 3:26	58	15/3/2017 4:31	61	16/3/2017 5:36	62	17/3/2017 6:41	61	18/3/2017 7:46	60	20/3/2017 0:51	62
14/3/2017 3:31	60	15/3/2017 4:36	60	16/3/2017 5:41	62	17/3/2017 6:46	62	18/3/2017 7:51	59	20/3/2017 0:56	62
14/3/2017 3:36	59	15/3/2017 4:41	61	16/3/2017 5:46	62	17/3/2017 6:51	62	18/3/2017 7:56	53	20/3/2017 1:01	61
14/3/2017 3:41	58	15/3/2017 4:46	60	16/3/2017 5:51	63	17/3/2017 6:56	61	19/3/2017 0:01	59	20/3/2017 1:06	62
14/3/2017 3:46	60	15/3/2017 4:51	61	16/3/2017 5:56	63	17/3/2017 23:01	60	19/3/2017 0:06	57	20/3/2017 1:11	62
14/3/2017 3:51	59	15/3/2017 4:56	61	16/3/2017 6:01	62	17/3/2017 23:06	64	19/3/2017 0:11	60	20/3/2017 1:16	61
14/3/2017 3:56	59	15/3/2017 5:01	61	16/3/2017 6:06	63	17/3/2017 23:11	61	19/3/2017 0:16	56	20/3/2017 1:21	61
14/3/2017 4:01	59	15/3/2017 5:06	61	16/3/2017 6:11	54	17/3/2017 23:16	61	19/3/2017 0:21	61	20/3/2017 1:26	61
14/3/2017 4:06	59	15/3/2017 5:11	61	16/3/2017 6:16	51	17/3/2017 23:21	61	19/3/2017 0:26	57	20/3/2017 1:31	61
14/3/2017 4:11	58	15/3/2017 5:16	60	16/3/2017 6:21	58	17/3/2017 23:26	60	19/3/2017 0:31	55	20/3/2017 1:36	60
14/3/2017 4:16	61										

Real-time Noise Data		RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School)									
20/3/2017 4:26	58	21/3/2017 5:31	61	22/3/2017 6:36	61	23/3/2017 23:41	57	25/3/2017 0:46	55	26/3/2017 1:51	62
20/3/2017 4:31	59	21/3/2017 5:36	61	22/3/2017 6:41	60	23/3/2017 23:46	58	25/3/2017 0:51	57	26/3/2017 1:56	63
20/3/2017 4:36	58	21/3/2017 5:41	61	22/3/2017 6:46	62	23/3/2017 23:51	53	25/3/2017 0:56	58	26/3/2017 2:01	62
20/3/2017 4:41	59	21/3/2017 5:46	61	22/3/2017 6:51	62	23/3/2017 23:56	59	25/3/2017 1:01	54	26/3/2017 2:06	63
20/3/2017 4:46	60	21/3/2017 5:51	62	22/3/2017 6:56	63	24/3/2017 0:01	51	25/3/2017 1:06	58	26/3/2017 2:11	62
20/3/2017 4:51	61	21/3/2017 5:56	62	22/3/2017 23:01	55	24/3/2017 0:06	54	25/3/2017 1:11	57	26/3/2017 2:16	62
20/3/2017 4:56	59	21/3/2017 6:01	62	22/3/2017 23:06	58	24/3/2017 0:11	53	25/3/2017 1:16	57	26/3/2017 2:21	62
20/3/2017 5:01	60	21/3/2017 6:06	62	22/3/2017 23:11	58	24/3/2017 0:16	55	25/3/2017 1:21	51	26/3/2017 2:26	62
20/3/2017 5:06	60	21/3/2017 6:11	42	22/3/2017 23:16	58	24/3/2017 0:21	52	25/3/2017 1:26	52	26/3/2017 2:31	61
20/3/2017 5:11	61	21/3/2017 6:16	44	22/3/2017 23:21	58	24/3/2017 0:26	63	25/3/2017 1:31	51	26/3/2017 2:36	62
20/3/2017 5:16	59	21/3/2017 6:21	58	22/3/2017 23:26	59	24/3/2017 0:31	53	25/3/2017 1:36	57	26/3/2017 2:41	61
20/3/2017 5:21	61	21/3/2017 6:26	58	22/3/2017 23:31	57	24/3/2017 0:36	63	25/3/2017 1:41	63	26/3/2017 2:46	62
20/3/2017 5:26	61	21/3/2017 6:31	61	22/3/2017 23:36	59	24/3/2017 0:41	60	25/3/2017 1:46	52	26/3/2017 2:51	62
20/3/2017 5:31	61	21/3/2017 6:36	60	22/3/2017 23:41	58	24/3/2017 0:46	63	25/3/2017 1:51	49	26/3/2017 2:56	62
20/3/2017 5:36	62	21/3/2017 6:41	62	22/3/2017 23:46	58	24/3/2017 0:51	46	25/3/2017 1:56	63	26/3/2017 3:01	61
20/3/2017 5:41	62	21/3/2017 6:46	62	22/3/2017 23:51	57	24/3/2017 0:56	63	25/3/2017 2:01	48	26/3/2017 3:06	62
20/3/2017 5:46	62	21/3/2017 6:51	63	22/3/2017 23:56	57	24/3/2017 1:01	63	25/3/2017 2:06	63	26/3/2017 3:11	61
20/3/2017 5:51	62	21/3/2017 6:56	64	23/3/2017 0:01	55	24/3/2017 1:06	47	25/3/2017 2:11	54	26/3/2017 3:16	61
20/3/2017 5:56	62	21/3/2017 7:01	57	23/3/2017 0:06	57	24/3/2017 1:11	63	25/3/2017 2:16	62	26/3/2017 3:21	61
20/3/2017 6:01	63	21/3/2017 23:06	59	23/3/2017 0:11	54	24/3/2017 1:16	63	25/3/2017 2:21	63	26/3/2017 3:26	61
20/3/2017 6:06	61	21/3/2017 23:11	59	23/3/2017 0:16	63	24/3/2017 1:21	63	25/3/2017 2:26	62	26/3/2017 3:31	61
20/3/2017 6:11	53	21/3/2017 23:16	60	23/3/2017 0:21	58	24/3/2017 1:26	63	25/3/2017 2:31	62	26/3/2017 3:36	60
20/3/2017 6:16	57	21/3/2017 23:21	59	23/3/2017 0:26	54	24/3/2017 1:31	63	25/3/2017 2:36	62	26/3/2017 3:41	61
20/3/2017 6:21	60	21/3/2017 23:26	58	23/3/2017 0:31	50	24/3/2017 1:36	62	25/3/2017 2:41	53	26/3/2017 3:46	63
20/3/2017 6:26	59	21/3/2017 23:31	59	23/3/2017 0:36	56	24/3/2017 1:41	61	25/3/2017 2:46	63	26/3/2017 3:51	61
20/3/2017 6:31	62	21/3/2017 23:36	57	23/3/2017 0:41	63	24/3/2017 1:46	62	25/3/2017 2:51	63	26/3/2017 3:56	62
20/3/2017 6:36	60	21/3/2017 23:41	58	23/3/2017 0:46	63	24/3/2017 1:51	60	25/3/2017 2:56	63	26/3/2017 4:01	61
20/3/2017 6:41	62	21/3/2017 23:46	59	23/3/2017 0:51	62	24/3/2017 1:56	61	25/3/2017 3:01	61	26/3/2017 4:06	61
20/3/2017 6:46	64	21/3/2017 23:51	57	23/3/2017 0:56	62	24/3/2017 2:01	61	25/3/2017 3:06	62	26/3/2017 4:11	62
20/3/2017 6:51	63	21/3/2017 23:56	57	23/3/2017 1:01	63	24/3/2017 2:06	60	25/3/2017 3:11	62	26/3/2017 4:16	61
20/3/2017 6:56	64	22/3/2017 0:01	53	23/3/2017 1:06	63	24/3/2017 2:11	61	25/3/2017 3:16	62	26/3/2017 4:21	61
20/3/2017 23:01	58	22/3/2017 0:06	53	23/3/2017 1:11	63	24/3/2017 2:16	60	25/3/2017 3:21	61	26/3/2017 4:26	60
20/3/2017 23:06	62	22/3/2017 0:11	51	23/3/2017 1:16	61	24/3/2017 2:21	60	25/3/2017 3:26	61	26/3/2017 4:31	61
20/3/2017 23:11	60	22/3/2017 0:16	57	23/3/2017 1:21	62	24/3/2017 2:26	61	25/3/2017 3:31	62	26/3/2017 4:36	60
20/3/2017 23:16	60	22/3/2017 0:21	49	23/3/2017 1:26	61	24/3/2017 2:31	61	25/3/2017 3:36	62	26/3/2017 4:41	61
20/3/2017 23:21	59	22/3/2017 0:26	56	23/3/2017 1:31	61	24/3/2017 2:36	61	25/3/2017 3:41	62	26/3/2017 4:46	60
20/3/2017 23:26	58	22/3/2017 0:31	55	23/3/2017 1:36	62	24/3/2017 2:41	60	25/3/2017 3:46	62	26/3/2017 4:51	62
20/3/2017 23:31	59	22/3/2017 0:36	63	23/3/2017 1:41	62	24/3/2017 2:46	59	25/3/2017 3:51	62	26/3/2017 4:56	61
20/3/2017 23:36	55	22/3/2017 0:41	62	23/3/2017 1:46	61	24/3/2017 2:51	59	25/3/2017 3:56	62	26/3/2017 5:01	61
20/3/2017 23:41	57	22/3/2017 0:46	62	23/3/2017 1:51	62	24/3/2017 2:56	59	25/3/2017 4:01	61	26/3/2017 5:06	59
20/3/2017 23:46	54	22/3/2017 0:51	62	23/3/2017 1:56	62	24/3/2017 3:01	60	25/3/2017 4:06	62	26/3/2017 5:11	60
20/3/2017 23:51	48	22/3/2017 0:56	62	23/3/2017 2:01	61	24/3/2017 3:06	59	25/3/2017 4:11	61	26/3/2017 5:16	61
20/3/2017 23:56	58	22/3/2017 1:01	63	23/3/2017 2:06	60	24/3/2017 3:11	59	25/3/2017 4:16	61	26/3/2017 5:21	60
21/3/2017 0:01	63	22/3/2017 1:06	63	23/3/2017 2:11	61	24/3/2017 3:16	59	25/3/2017 4:21	62	26/3/2017 5:26	61
21/3/2017 0:06	53	22/3/2017 1:11	62	23/3/2017 2:16	61	24/3/2017 3:21	59	25/3/2017 4:26	61	26/3/2017 5:31	61
21/3/2017 0:11	54	22/3/2017 1:16	53	23/3/2017 2:21	61	24/3/2017 3:26	59	25/3/2017 4:31	61	26/3/2017 5:36	62
21/3/2017 0:16	63	22/3/2017 1:21	62	23/3/2017 2:26	61	24/3/2017 3:31	60	25/3/2017 4:36	60	26/3/2017 5:41	61
21/3/2017 0:21	56	22/3/2017 1:26	62	23/3/2017 2:31	61	24/3/2017 3:36	60	25/3/2017 4:41	61	26/3/2017 5:46	62
21/3/2017 0:26	56	22/3/2017 1:31	61	23/3/2017 2:36	61	24/3/2017 3:41	60	25/3/2017 4:46	60	26/3/2017 5:51	61
21/3/2017 0:31	63	22/3/2017 1:36	62	23/3/2017 2:41	61	24/3/2017 3:46	59	25/3/2017 4:51	60	26/3/2017 5:56	62
21/3/2017 0:36	51	22/3/2017 1:41	62	23/3/2017 2:46	60	24/3/2017 3:51	60	25/3/2017 4:56	61	26/3/2017 6:01	61
21/3/2017 0:41	63	22/3/2017 1:46	62	23/3/2017 2:51	60	24/3/2017 3:56	61	25/3/2017 5:01	61	26/3/2017 6:06	62
21/3/2017 0:46	63	22/3/2017 1:51	61	23/3/2017 2:56	60	24/3/2017 4:01	59	25/3/2017 5:06	62	26/3/2017 6:11	62
21/3/2017 0:51	49	22/3/2017 1:56	60	23/3/2017 3:01	60	24/3/2017 4:06	60	25/3/2017 5:11	61	26/3/2017 6:16	53
21/3/2017 0:56	62	22/3/2017 2:01	61	23/3/2017 3:06	62	24/3/2017 4:11	59	25/3/2017 5:16	60	26/3/2017 6:21	63
21/3/2017 1:01	63	22/3/2017 2:06	60	23/3/2017 3:11	60	24/3/2017 4:16	60	25/3/2017 5:21	61	26/3/2017 6:26	53
21/3/2017 1:06	63	22/3/2017 2:11	61	23/3/2017 3:16	60	24/3/2017 4:21	59	25/3/2017 5:26	61	26/3/2017 6:31	58
21/3/2017 1:11	56	22/3/2017 2:16	59	23/3/2017 3:21	59	24/3/2017 4:26	60	25/3/2017 5:31	61	26/3/2017 6:36	48
21/3/2017 1:16	63	22/3/2017 2:21	60	23/3/2017 3:26	59	24/3/2017 4:31	59	25/3/2017 5:36	62	26/3/2017 6:41	61
21/3/2017 1:21	62	22/3/2017 2:26	59	23/3/2017 3:31	59	24/3/2017 4:36	58	25/3/2017 5:41	62	26/3/2017 6:46	55
21/3/2017 1:26	62	22/3/2017 2:31	61	23/3/2017 3:36	60	24/3/2017 4:41	59	25/3/2017 5:46	62	26/3/2017 6:51	57
21/3/2017 1:31	62	22/3/2017 2:36	61	23/3/2017 3:41	60	24/3/2017 4:46	59	25/3/2017 5:51	62	26/3/2017 6:56	58
21/3/2017 1:36	62	22/3/2017 2:41	60	23/3/2017 3:46	60	24/3/2017 4:51	60	25/3/2017 5:56	62	26/3/2017 7:01	59
21/3/2017 1:41	63	22/3/2017 2:46	60	23/3/2017 3:51	60	24/3/2017 4:56	60	25/3/2017 6:01	62	26/3/2017 23:06	59
21/3/2017 1:46	62	22/3/2017 2:51	60	23/3/2017 3:56	61	24/3/2017 5:01	60	25/3/2017 6:06	62	26/3/2017 23:11	55
21/3/2017 1:51	60	22/3/2017 2:56	59	23/3/2017 4:01	58	24/3/2017 5:06	60	25/3/2017 6:11	62	26/3/2017 23:16	59
21/3/2017 1:56	60	22/3/2017 3:01	59	23/3/2017 4:06	60	24/3/2017 5:11	59	25/3/2017 6:16	63	26/3/2017 23:21	58
21/3/2017 2:01	60	22/3/2017 3:06	60	23/3/2017 4:11	60	24/3/2017 5:16	61	25/3/2017 6:21	51	26/3/2017 23:26	58
21/3/2017 2:06	61	22/3/2017 3:11	59	23/3/2017 4:16	60	24/3/2017 5:21	60	25/3/2017 6:26	55	26/3/2017 23:31	54
21/3/2017 2:11	60	22/3/2017 3:16	59	23/3/2017 4:21	59	24/3/2017 5:26	61	25/3/2017 6:31	56	26/3/2017 23:36	50
21/3/2017 2:16	60	22/3/2017 3:21	61	23/3/2017 4:26	59	24/3/2017 5:31	61	25/3/2017 6:36	52	26/3/2017 23:41	56
21/3/2017 2:21	61	22/3/2017 3:26	60	23/3/2017 4:31	61	24/3/2017 5:36	61	25/3/2017 6:41	51	26/3/2017 23:46	53
21/3/2017 2:26	60	22/3/2017 3:31	59	23/3/2017 4:36	59	24/3/2017 5:41	60	25/3/2017 6:46	67	26/3/2017 23:51	59
21/3/2017 2:31	61	22/3/2017 3:36	59	23/3/2017 4:41	59	24/3/2017 5:46	61	25/3/2017 6:51	62	26/3/2017 23:56	63
21/3/2017 2:36	60	22/3/2017 3:41	60	23/3/2017 4:46	59	24/3/2017 5:51	62	25/3/2017 6:56	61		
21/3/2017 2:41	60	22/3/2017 3:46	59	23/3/2017 4:51	59	24/3/2017 5:56	63	25/3/2017 23:01	60		
21/3/2017 2:46	58	22/3/2017 3:51</									

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)										
Normal Day 07:00-19:00	3/3/2017 13:01	64	9/3/2017 7:31	61	14/3/2017 14:01	64	20/3/2017 8:31	62	24/3/2017 15:01	66	
27/2/2017 7:01	61	3/3/2017 13:31	64	9/3/2017 8:01	62	14/3/2017 14:31	64	20/3/2017 9:01	63	24/3/2017 15:31	64
27/2/2017 7:31	62	3/3/2017 14:01	67	9/3/2017 8:31	64	14/3/2017 15:01	65	20/3/2017 9:31	64	24/3/2017 16:01	64
27/2/2017 8:01	61	3/3/2017 14:31	65	9/3/2017 9:01	65	14/3/2017 15:31	64	20/3/2017 10:01	65	24/3/2017 16:31	65
27/2/2017 8:31	63	3/3/2017 15:01	63	9/3/2017 9:31	67	14/3/2017 16:01	65	20/3/2017 10:31	65	24/3/2017 17:01	64
27/2/2017 9:01	63	3/3/2017 15:31	65	9/3/2017 10:01	68	14/3/2017 16:31	64	20/3/2017 11:01	65	24/3/2017 17:31	61
27/2/2017 9:31	64	3/3/2017 16:01	65	9/3/2017 10:31	66	14/3/2017 17:01	62	20/3/2017 11:31	62	24/3/2017 18:01	61
27/2/2017 10:01	64	3/3/2017 16:31	65	9/3/2017 11:01	66	14/3/2017 17:31	61	20/3/2017 12:01	62	24/3/2017 18:31	60
27/2/2017 10:31	64	3/3/2017 17:01	64	9/3/2017 11:31	65	14/3/2017 18:01	61	20/3/2017 12:31	62	25/3/2017 7:01	60
27/2/2017 11:01	64	3/3/2017 17:31	64	9/3/2017 12:01	62	14/3/2017 18:31	60	20/3/2017 13:01	64	25/3/2017 7:31	61
27/2/2017 11:31	64	3/3/2017 18:01	62	9/3/2017 12:31	62	15/3/2017 7:01	61	20/3/2017 13:31	64	25/3/2017 8:01	62
27/2/2017 12:01	61	3/3/2017 18:31	62	9/3/2017 13:01	64	15/3/2017 7:31	61	20/3/2017 14:01	63	25/3/2017 8:31	62
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27/2/2017 15:31	64	4/3/2017 10:01	68	9/3/2017 16:31	64	15/3/2017 11:01	65	20/3/2017 17:31	62	25/3/2017 12:01	65
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27/2/2017 17:01	63	4/3/2017 11:31	61	9/3/2017 18:01	61	15/3/2017 12:31	63	21/3/2017 7:01	61	25/3/2017 13:31	64
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28/2/2017 7:01	60	4/3/2017 13:31	53	10/3/2017 8:01	62	15/3/2017 14:31	64	21/3/2017 9:01	67	25/3/2017 15:31	63
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28/2/2017 18:01	61	6/3/2017 12:31	63	11/3/2017 7:01	60	16/3/2017 13:31	65	22/3/2017 8:01	63		
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1/3/2017 13:01	62	7/3/2017 7:01	60	11/3/2017 14:01	63	17/3/2017 9:01	61	22/3/2017 15:01	65		
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1/3/2017 14:01	64	7/3/2017 8:01	62	11/3/2017 15:01	65	17/3/2017 10:01	65	22/3/2017 16:01	66		
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1/3/2017 15:01	65	7/3/2017 9:01	63	11/3/2017 16:01	64	17/3/2017 11:01	65	22/3/2017 17:01	63		
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1/3/2017 16:01	65	7/3/2017 10:31	67	11/3/2017 17:01	63	17/3/2017 12:01	61	22/3/2017 18:01	60		
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1/3/2017 18:01	61	7/3/2017 12:31	63	13/3/2017 7:01	60	17/3/2017 14:01	65	23/3/2017 8:01	62		
1/3/2017 18:31	61	7/3/2017 13:01	66	13/3/2017 7:31	61	17/3/2017 14:31	65	23/3/2017 8:31	64		
2/3/2017 7:01	60	7/3/2017 13:31	65	13/3/2017 8:01	63	17/3/2017 15:01	63	23/3/2017 9:01	65		
2/3/2017 7:31	61	7/3/2017 14:01	67	13/3/2017 8:31	62	17/3/2017 15:31	65	23/3/2017 9:31	65		
2/3/2017 8:01	62	7/3/2017 14:31	67	13/3/2017 9:01	63	17/3/2017 16:01	65	23/3/2017 10:01	65		
2/3/2017 8:31	62	7/3/2017 15:01	67	13/3/2017 9:31							

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)										
28/2/2017 21:01	62	2/3/2017 22:06	62	5/3/2017 7:11	58	5/3/2017 16:16	54	6/3/2017 21:21	60	8/3/2017 22:26	61
28/2/2017 21:06	60	2/3/2017 22:11	62	5/3/2017 7:16	58	5/3/2017 16:21	56	6/3/2017 21:26	60	8/3/2017 22:31	61
28/2/2017 21:11	60	2/3/2017 22:16	62	5/3/2017 7:21	62	5/3/2017 16:26	55	6/3/2017 21:31	59	8/3/2017 22:36	61
28/2/2017 21:16	61	2/3/2017 22:21	62	5/3/2017 7:26	62	5/3/2017 16:31	55	6/3/2017 21:36	59	8/3/2017 22:41	60
28/2/2017 21:21	61	2/3/2017 22:26	62	5/3/2017 7:31	59	5/3/2017 16:36	56	6/3/2017 21:41	59	8/3/2017 22:46	61
28/2/2017 21:26	60	2/3/2017 22:31	62	5/3/2017 7:36	60	5/3/2017 16:41	55	6/3/2017 21:46	59	8/3/2017 22:51	60
28/2/2017 21:31	60	2/3/2017 22:36	62	5/3/2017 7:41	61	5/3/2017 16:46	57	6/3/2017 21:51	59	8/3/2017 22:56	60
28/2/2017 21:36	63	2/3/2017 22:41	62	5/3/2017 7:46	60	5/3/2017 16:51	56	6/3/2017 21:56	60	9/3/2017 19:01	60
28/2/2017 21:41	61	2/3/2017 22:46	61	5/3/2017 7:51	59	5/3/2017 16:56	56	6/3/2017 22:01	60	9/3/2017 19:06	61
28/2/2017 21:46	60	2/3/2017 22:51	62	5/3/2017 7:56	60	5/3/2017 17:01	55	6/3/2017 22:06	59	9/3/2017 19:11	61
28/2/2017 21:51	62	2/3/2017 22:56	61	5/3/2017 8:01	61	5/3/2017 17:06	53	6/3/2017 22:11	59	9/3/2017 19:16	62
28/2/2017 21:56	61	3/3/2017 19:01	63	5/3/2017 8:06	60	5/3/2017 17:11	55	6/3/2017 22:16	61	9/3/2017 19:21	62
28/2/2017 22:01	61	3/3/2017 19:06	59	5/3/2017 8:11	60	5/3/2017 17:16	58	6/3/2017 22:21	60	9/3/2017 19:26	63
28/2/2017 22:06	60	3/3/2017 19:11	56	5/3/2017 8:16	60	5/3/2017 17:21	63	6/3/2017 22:26	60	9/3/2017 19:31	62
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28/2/2017 22:16	62	3/3/2017 19:21	63	5/3/2017 8:26	61	5/3/2017 17:31	61	6/3/2017 22:36	61	9/3/2017 19:41	62
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1/3/2017 21:56	59	4/3/2017 19:01	62	5/3/2017 12:06	60	5/3/2017 21:11	59	7/3/2017 22:16	60	10/3/2017 19:21	61
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1/3/2017 22:06	60	4/3/2017 19:11	62	5/3/2017 12:16	61	5/3/2017 21:21	60	7/3/2017 22:26	63	10/3/2017 19:31	61
1/3/2017 22:11	61	4/3/2017 19:16	62	5/3/2017 12:21	64	5/3/2017 21:26	59	7/3/2017 22:31	59	10/3/2017 19:36	61
1/3/2017 22:16	60	4/3/2017 19:21	62	5/3/2017 12:26	54	5/3/2017 21:31	59	7/3/2017 22:36	61	10/3/2017 19:41	62
1/3/2017 22:21	61	4/3/2017 19:26	61	5/3/2017 12:31	51	5/3/2017 21:36	59	7/3/2017 22:41	61	10/3/2017 19:46	61
1/3/2017 22:26	59	4/3/2017 19:31	62	5/3/2017 12:36	63	5/3/2017 21:41	59	7/3/2017 22:46	63	10/3/2017 19:51	61
1/3/2017 22:31	63	4/3/2017 19:36	62	5/3/2017 12:41	61	5/3/2017 21:46	59	7/3/2017 22:51	59	10/3/2017 19:56	61
1/3/2017 22:36	60	4/3/2017 19:41	62	5/3/2017 12:46	61	5/3/2017 21:51	59	7/3/2017 22:56	59	10/3/2017 20:01	61
1/3/2017 22:41	60	4/3/2017 19:46	62	5/3/2017 12:51	61	5/3/2017 21:56	59	8/3/2017 19:01	53	10/3/2017 20:06	61
1/3/2017 22:46	59	4/3/2017 19:51	61	5/3/2017 12:56	62	5/3/2017 22:01	58	8/3/2017 19:06	61	10/3/2017 20:11	61
1/3/2017 22:51	60	4/3/2017 19:56	61	5/3/2017 13:01	61	5/3/2017 22:06	59	8/3/2017 19:11	62	10/3/2017 20:16	63
1/3/2017 22:56	60	4/3/2017 20:01	63	5/3/2017 13:06	62	5/3/2017 22:11	59	8/3/2017 19:16	62	10/3/2017 20:21	58
2/3/2017 19:01	63	4/3/2017 20:06	61	5/3/2017 13:11	55	5/3/2017 22:16	60	8/3/2017 19:21	62	10/3/2017 20:26	63
2/3/2017 19:06	63	4/3/2017 20:11	61	5/3/2017 13:16	56	5/3/2017 22:21	59	8/3/2017 19:26	63	10/3/2017 20:31	61
2/3/2017 19:11	63	4/3/2017 20:16	61	5/3/2017 13:21	61	5/3/2017 22:26	59	8/3/2017 19:31	61	10/3/2017 20:36	61
2/3/2017 19:16	63	4/3/2017 20:21	61	5/3/2017 13:26	62	5/3/2017 22:31	58	8/3/2017 19:36	62	10/3/2017 20:41	61
2/3/2017 19:21	63	4/3/2017 20:26	61	5							

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
11/3/2017 19:31	61	12/3/2017 12:36	60	12/3/2017 21:41	59	14/3/2017 22:46	60	17/3/2017 19:51	50	19/3/2017 8:56	61
11/3/2017 19:36	61	12/3/2017 12:41	61	12/3/2017 21:46	59	14/3/2017 22:51	59	17/3/2017 19:56	61	19/3/2017 9:01	61
11/3/2017 19:41	60	12/3/2017 12:46	62	12/3/2017 21:51	60	14/3/2017 22:56	60	17/3/2017 20:01	61	19/3/2017 9:06	60
11/3/2017 19:46	61	12/3/2017 12:51	61	12/3/2017 21:56	59	15/3/2017 19:01	61	17/3/2017 20:06	61	19/3/2017 9:11	62
11/3/2017 19:51	60	12/3/2017 12:56	61	12/3/2017 22:01	60	15/3/2017 19:06	60	17/3/2017 20:11	63	19/3/2017 9:16	61
11/3/2017 19:56	61	12/3/2017 13:01	61	12/3/2017 22:06	60	15/3/2017 19:11	61	17/3/2017 20:16	61	19/3/2017 9:21	61
11/3/2017 20:01	61	12/3/2017 13:06	60	12/3/2017 22:11	60	15/3/2017 19:16	61	17/3/2017 20:21	61	19/3/2017 9:26	60
11/3/2017 20:06	61	12/3/2017 13:11	60	12/3/2017 22:16	60	15/3/2017 19:21	61	17/3/2017 20:26	61	19/3/2017 9:31	61
11/3/2017 20:11	60	12/3/2017 13:16	60	12/3/2017 22:21	61	15/3/2017 19:26	61	17/3/2017 20:31	61	19/3/2017 9:36	61
11/3/2017 20:16	60	12/3/2017 13:21	61	12/3/2017 22:26	60	15/3/2017 19:31	62	17/3/2017 20:36	62	19/3/2017 9:41	61
11/3/2017 20:21	60	12/3/2017 13:26	60	12/3/2017 22:31	59	15/3/2017 19:36	62	17/3/2017 20:41	62	19/3/2017 9:46	61
11/3/2017 20:26	60	12/3/2017 13:31	61	12/3/2017 22:36	60	15/3/2017 19:41	61	17/3/2017 20:46	61	19/3/2017 9:51	62
11/3/2017 20:31	62	12/3/2017 13:36	61	12/3/2017 22:41	59	15/3/2017 19:46	63	17/3/2017 20:51	60	19/3/2017 9:56	61
11/3/2017 20:36	63	12/3/2017 13:41	59	12/3/2017 22:46	58	15/3/2017 19:51	62	17/3/2017 20:56	61	19/3/2017 10:01	61
11/3/2017 20:41	59	12/3/2017 13:46	63	12/3/2017 22:51	59	15/3/2017 19:56	61	17/3/2017 21:01	61	19/3/2017 10:06	60
11/3/2017 20:46	60	12/3/2017 13:51	62	12/3/2017 22:56	59	15/3/2017 20:01	61	17/3/2017 21:06	60	19/3/2017 10:11	60
11/3/2017 20:51	61	12/3/2017 13:56	62	13/3/2017 19:01	62	15/3/2017 20:06	62	17/3/2017 21:11	60	19/3/2017 10:16	61
11/3/2017 20:56	60	12/3/2017 14:01	59	13/3/2017 19:06	61	15/3/2017 20:11	62	17/3/2017 21:16	60	19/3/2017 10:21	62
11/3/2017 21:01	60	12/3/2017 14:06	60	13/3/2017 19:11	60	15/3/2017 20:16	62	17/3/2017 21:21	60	19/3/2017 10:26	61
11/3/2017 21:06	60	12/3/2017 14:11	60	13/3/2017 19:16	61	15/3/2017 20:21	60	17/3/2017 21:26	61	19/3/2017 10:31	61
11/3/2017 21:11	60	12/3/2017 14:16	61	13/3/2017 19:21	62	15/3/2017 20:26	62	17/3/2017 21:31	60	19/3/2017 10:36	60
11/3/2017 21:16	62	12/3/2017 14:21	62	13/3/2017 19:26	62	15/3/2017 20:31	61	17/3/2017 21:36	60	19/3/2017 10:41	61
11/3/2017 21:21	61	12/3/2017 14:26	62	13/3/2017 19:31	61	15/3/2017 20:36	61	17/3/2017 21:41	61	19/3/2017 10:46	60
11/3/2017 21:26	60	12/3/2017 14:31	63	13/3/2017 19:36	62	15/3/2017 20:41	60	17/3/2017 21:46	60	19/3/2017 10:51	60
11/3/2017 21:31	60	12/3/2017 14:36	59	13/3/2017 19:41	61	15/3/2017 20:46	61	17/3/2017 21:51	62	19/3/2017 10:56	60
11/3/2017 21:36	59	12/3/2017 14:41	60	13/3/2017 19:46	62	15/3/2017 20:51	60	17/3/2017 21:56	61	19/3/2017 11:01	60
11/3/2017 21:41	60	12/3/2017 14:46	59	13/3/2017 19:51	63	15/3/2017 20:56	60	17/3/2017 22:01	60	19/3/2017 11:06	61
11/3/2017 21:46	60	12/3/2017 14:51	59	13/3/2017 19:56	60	15/3/2017 21:01	61	17/3/2017 22:06	61	19/3/2017 11:11	61
11/3/2017 21:51	61	12/3/2017 14:56	61	13/3/2017 20:01	61	15/3/2017 21:06	60	17/3/2017 22:11	60	19/3/2017 11:16	59
11/3/2017 21:56	60	12/3/2017 15:01	59	13/3/2017 20:06	61	15/3/2017 21:11	60	17/3/2017 22:16	61	19/3/2017 11:21	60
11/3/2017 22:01	61	12/3/2017 15:06	59	13/3/2017 20:11	60	15/3/2017 21:16	60	17/3/2017 22:21	61	19/3/2017 11:26	59
11/3/2017 22:06	60	12/3/2017 15:11	60	13/3/2017 20:16	62	15/3/2017 21:21	60	17/3/2017 22:26	61	19/3/2017 11:31	60
11/3/2017 22:11	60	12/3/2017 15:16	59	13/3/2017 20:21	60	15/3/2017 21:26	60	17/3/2017 22:31	60	19/3/2017 11:36	61
11/3/2017 22:16	61	12/3/2017 15:21	60	13/3/2017 20:26	60	15/3/2017 21:31	60	17/3/2017 22:36	62	19/3/2017 11:41	61
11/3/2017 22:21	59	12/3/2017 15:26	62	13/3/2017 20:31	61	15/3/2017 21:36	60	17/3/2017 22:41	60	19/3/2017 11:46	61
11/3/2017 22:26	60	12/3/2017 15:31	61	13/3/2017 20:36	60	15/3/2017 21:41	60	17/3/2017 22:46	60	19/3/2017 11:51	62
11/3/2017 22:31	60	12/3/2017 15:36	59	13/3/2017 20:41	61	15/3/2017 21:46	60	17/3/2017 22:51	60	19/3/2017 11:56	63
11/3/2017 22:36	59	12/3/2017 15:41	56	13/3/2017 20:46	60	15/3/2017 21:51	62	17/3/2017 22:56	60	19/3/2017 12:01	62
11/3/2017 22:41	60	12/3/2017 15:46	61	13/3/2017 20:51	61	15/3/2017 21:56	60	18/3/2017 19:01	60	19/3/2017 12:06	63
11/3/2017 22:46	60	12/3/2017 15:51	61	13/3/2017 20:56	60	15/3/2017 22:01	60	18/3/2017 19:06	59	19/3/2017 12:11	63
11/3/2017 22:51	59	12/3/2017 15:56	63	13/3/2017 21:01	60	15/3/2017 22:06	60	18/3/2017 19:11	59	19/3/2017 12:16	63
11/3/2017 22:56	60	12/3/2017 16:01	61	13/3/2017 21:06	60	15/3/2017 22:11	60	18/3/2017 19:16	60	19/3/2017 12:21	63
12/3/2017 7:01	59	12/3/2017 16:06	60	13/3/2017 21:11	60	15/3/2017 22:16	60	18/3/2017 19:21	60	19/3/2017 12:26	63
12/3/2017 7:06	61	12/3/2017 16:11	60	13/3/2017 21:16	60	15/3/2017 22:21	62	18/3/2017 19:26	61	19/3/2017 12:31	55
12/3/2017 7:11	60	12/3/2017 16:16	60	13/3/2017 21:21	60	15/3/2017 22:26	61	18/3/2017 19:31	61	19/3/2017 12:36	62
12/3/2017 7:16	58	12/3/2017 16:21	60	13/3/2017 21:26	60	15/3/2017 22:31	61	18/3/2017 19:36	61	19/3/2017 12:41	64
12/3/2017 7:21	60	12/3/2017 16:26	61	13/3/2017 21:31	60	15/3/2017 22:36	61	18/3/2017 19:41	61	19/3/2017 12:46	63
12/3/2017 7:26	60	12/3/2017 16:31	62	13/3/2017 21:36	60	15/3/2017 22:41	60	18/3/2017 19:46	61	19/3/2017 12:51	62
12/3/2017 7:31	59	12/3/2017 16:36	60	13/3/2017 21:41	60	15/3/2017 22:46	59	18/3/2017 19:51	60	19/3/2017 12:56	62
12/3/2017 7:36	59	12/3/2017 16:41	59	13/3/2017 21:46	60	15/3/2017 22:51	59	18/3/2017 19:56	62	19/3/2017 13:01	62
12/3/2017 7:41	60	12/3/2017 16:46	60	13/3/2017 21:51	60	15/3/2017 22:56	60	18/3/2017 20:01	60	19/3/2017 13:06	62
12/3/2017 7:46	59	12/3/2017 16:51	60	13/3/2017 21:56	60	16/3/2017 19:01	62	18/3/2017 20:06	61	19/3/2017 13:11	52
12/3/2017 7:51	60	12/3/2017 16:56	60	13/3/2017 22:01	60	16/3/2017 19:06	62	18/3/2017 20:11	61	19/3/2017 13:16	64
12/3/2017 7:56	60	12/3/2017 17:01	60	13/3/2017 22:06	59	16/3/2017 19:11	62	18/3/2017 20:16	60	19/3/2017 13:21	51
12/3/2017 8:01	60	12/3/2017 17:06	59	13/3/2017 22:11	60	16/3/2017 19:16	62	18/3/2017 20:21	60	19/3/2017 13:26	62
12/3/2017 8:06	60	12/3/2017 17:11	60	13/3/2017 22:16	60	16/3/2017 19:21	62	18/3/2017 20:26	61	19/3/2017 13:31	62
12/3/2017 8:11	61	12/3/2017 17:16	59	13/3/2017 22:21	60	16/3/2017 19:26	61	18/3/2017 20:31	59	19/3/2017 13:36	62
12/3/2017 8:16	60	12/3/2017 17:21	60	13/3/2017 22:26	59	16/3/2017 19:31	62	18/3/2017 20:36	60	19/3/2017 13:41	61
12/3/2017 8:21	60	12/3/2017 17:26	53	13/3/2017 22:31	61	16/3/2017 19:36	62	18/3/2017 20:41	62	19/3/2017 13:46	62
12/3/2017 8:26	61	12/3/2017 17:31	61	13/3/2017 22:36	61	16/3/2017 19:41	63	18/3/2017 20:46	60	19/3/2017 13:51	62
12/3/2017 8:31	60	12/3/2017 17:36	61	13/3/2017 22:41	59	16/3/2017 19:46	61	18/3/2017 20:51	60	19/3/2017 13:56	63
12/3/2017 8:36	61	12/3/2017 17:41	63	13/3/2017 22:46	60	16/3/2017 19:51	63	18/3/2017 20:56	60	19/3/2017 14:01	63
12/3/2017 8:41	60	12/3/2017 17:46	61	13/3/2017 22:51	59	16/3/2017 19:56	62	18/3/2017 21:01	60	19/3/2017 14:06	63
12/3/2017 8:46	60	12/3/2017 17:51	60	13/3/2017 22:56	60	16/3/2017 20:01	62	18/3/2017 21:06	61	19/3/2017 14:11	62
12/3/2017 8:51	61	12/3/2017 17:56	60	14/3/2017 19:01	61	16/3/2017 20:06	61	18/3/2017 21:11	60	19/3/2017 14:16	57
12/3/2017 8:56	61	12/3/2017 18:01	60	14/3/2017 19:06	61	16/3/2017 20:11	62	18/3/2017 21:16	61	19/3/2017 14:21	62
12/3/2017 9:01	61	12/3/2017 18:06	59	14/3/2017 19:11	61	16/3/2017 20:16	63	18/3/2017 21:21	61	19/3/2017 14:26	61
12/3/2017 9:06	62	12/3/2017 18:11	59	14/3/2017 19:16	61	16/3/2017 20:21	61	18/3/2017 21:26	60	19/3/2017 14:31	62
12/3/2017 9:11	61	12/3/2017 18:16	56	14/3/2017 19:21	60	16/3/2017 20:26	61	18/3/2017 21:31	60	19/3/2017 14:36	61
12/3/2017 9:16	61	12/3/2017 18:21	62	14/3/2017 19:26	60	16/3/2017 20:31	62	18/3/2017 21:36	61	19/3/2017 14:41	61
12/3/2017 9:21	61	12/3/2017 18:26	61	14/3/2017 19:31	62	16/3/2017 20:36	63	18/3/2017 21:41	60	19/3/2017 14:46	61
12/3/2017 9:26	61	12/3/2017 18:31	62	14/3/2017 19:36	62	16/3/2017 20:41	61	18/3/2017 21:46	61	19/3/2017 14:51	62
12/3/2017 9:31	61	12/3/2017 18:36	60	14/3/2017 19:41	61	16/3/2017 20:46	60	18/3/2017 21:51	60	19/3/2017 14:56	61
12/3/2017 9:36	60	12/3/2017 18:41	58	14/3/2017 19:46	61	16/3/2017 20:51	61	18/3/2017 21:56			

Real-time Noise Data	RTN4 (Causeway Bay Community Centre)			Night time: 23:00-07:00		
19/3/2017 18:01 61	21/3/2017 19:06 61	23/3/2017 20:11 62	25/3/2017 21:16 61	26/3/2017 14:21 61		
19/3/2017 18:06 62	21/3/2017 19:11 60	23/3/2017 20:16 61	25/3/2017 21:21 61	26/3/2017 14:26 60		
19/3/2017 18:11 61	21/3/2017 19:16 60	23/3/2017 20:21 61	25/3/2017 21:26 61	26/3/2017 14:31 61	27/2/2017 0:01 58	
19/3/2017 18:16 60	21/3/2017 19:21 61	23/3/2017 20:26 62	25/3/2017 21:31 60	26/3/2017 14:36 61	27/2/2017 0:06 58	
19/3/2017 18:21 62	21/3/2017 19:26 61	23/3/2017 20:31 61	25/3/2017 21:36 60	26/3/2017 14:41 60	27/2/2017 0:11 58	
19/3/2017 18:26 62	21/3/2017 19:31 62	23/3/2017 20:36 62	25/3/2017 21:41 60	26/3/2017 14:46 60	27/2/2017 0:16 58	
19/3/2017 18:31 61	21/3/2017 19:36 61	23/3/2017 20:41 61	25/3/2017 21:46 60	26/3/2017 14:51 61	27/2/2017 0:21 57	
19/3/2017 18:36 61	21/3/2017 19:41 61	23/3/2017 20:46 61	25/3/2017 21:51 61	26/3/2017 14:56 61	27/2/2017 0:26 57	
19/3/2017 18:41 61	21/3/2017 19:46 61	23/3/2017 20:51 60	25/3/2017 21:56 60	26/3/2017 15:01 60	27/2/2017 0:31 57	
19/3/2017 18:46 61	21/3/2017 19:51 60	23/3/2017 20:56 61	25/3/2017 22:01 61	26/3/2017 15:06 61	27/2/2017 0:36 58	
19/3/2017 18:51 61	21/3/2017 19:56 61	23/3/2017 21:01 60	25/3/2017 22:06 60	26/3/2017 15:11 63	27/2/2017 0:41 57	
19/3/2017 18:56 61	21/3/2017 20:01 61	23/3/2017 21:06 63	25/3/2017 22:11 60	26/3/2017 15:16 61	27/2/2017 0:46 57	
19/3/2017 19:01 61	21/3/2017 20:06 61	23/3/2017 21:11 61	25/3/2017 22:16 60	26/3/2017 15:21 61	27/2/2017 0:51 56	
19/3/2017 19:06 61	21/3/2017 20:11 62	23/3/2017 21:16 64	25/3/2017 22:21 60	26/3/2017 15:26 61	27/2/2017 0:56 56	
19/3/2017 19:11 61	21/3/2017 20:16 61	23/3/2017 21:21 60	25/3/2017 22:26 61	26/3/2017 15:31 60	27/2/2017 1:01 57	
19/3/2017 19:16 61	21/3/2017 20:21 61	23/3/2017 21:26 62	25/3/2017 22:31 60	26/3/2017 15:36 62	27/2/2017 1:06 57	
19/3/2017 19:21 61	21/3/2017 20:26 61	23/3/2017 21:31 60	25/3/2017 22:36 61	26/3/2017 15:41 61	27/2/2017 1:11 56	
19/3/2017 19:26 61	21/3/2017 20:31 60	23/3/2017 21:36 61	25/3/2017 22:41 62	26/3/2017 15:46 62	27/2/2017 1:16 57	
19/3/2017 19:31 61	21/3/2017 20:36 61	23/3/2017 21:41 60	25/3/2017 22:46 61	26/3/2017 15:51 61	27/2/2017 1:21 56	
19/3/2017 19:36 61	21/3/2017 20:41 60	23/3/2017 21:46 61	25/3/2017 22:51 59	26/3/2017 15:56 61	27/2/2017 1:26 56	
19/3/2017 19:41 61	21/3/2017 20:46 60	23/3/2017 21:51 60	25/3/2017 22:56 59	26/3/2017 16:01 63	27/2/2017 1:31 56	
19/3/2017 19:46 61	21/3/2017 20:51 61	23/3/2017 21:56 60	26/3/2017 7:01 59	26/3/2017 16:06 61	27/2/2017 1:36 55	
19/3/2017 19:51 60	21/3/2017 20:56 61	23/3/2017 22:01 59	26/3/2017 7:06 60	26/3/2017 16:11 62	27/2/2017 1:41 55	
19/3/2017 19:56 60	21/3/2017 21:01 60	23/3/2017 22:06 61	26/3/2017 7:11 59	26/3/2017 16:16 61	27/2/2017 1:46 56	
19/3/2017 20:01 60	21/3/2017 21:06 59	23/3/2017 22:11 62	26/3/2017 7:16 59	26/3/2017 16:21 61	27/2/2017 1:51 56	
19/3/2017 20:06 60	21/3/2017 21:11 60	23/3/2017 22:16 60	26/3/2017 7:21 59	26/3/2017 16:26 61	27/2/2017 1:56 57	
19/3/2017 20:11 61	21/3/2017 21:16 60	23/3/2017 22:21 60	26/3/2017 7:26 59	26/3/2017 16:31 63	27/2/2017 2:01 54	
19/3/2017 20:16 60	21/3/2017 21:21 60	23/3/2017 22:26 61	26/3/2017 7:31 60	26/3/2017 16:36 61	27/2/2017 2:06 56	
19/3/2017 20:21 61	21/3/2017 21:26 60	23/3/2017 22:31 61	26/3/2017 7:36 59	26/3/2017 16:41 61	27/2/2017 2:11 56	
19/3/2017 20:26 61	21/3/2017 21:31 60	23/3/2017 22:36 60	26/3/2017 7:41 60	26/3/2017 16:46 62	27/2/2017 2:16 54	
19/3/2017 20:31 61	21/3/2017 21:36 60	23/3/2017 22:41 60	26/3/2017 7:46 59	26/3/2017 16:51 62	27/2/2017 2:21 55	
19/3/2017 20:36 60	21/3/2017 21:41 60	23/3/2017 22:46 60	26/3/2017 7:51 59	26/3/2017 16:56 61	27/2/2017 2:26 55	
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19/3/2017 20:46 60	21/3/2017 21:51 59	23/3/2017 22:56 60	26/3/2017 8:01 60	26/3/2017 17:06 62	27/2/2017 2:36 55	
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20/3/2017 19:56 61	22/3/2017 21:01 61	24/3/2017 22:06 63	26/3/2017 11:11 59	26/3/2017 20:16 60	27/2/2017 5:46 56	
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20/3/2017 20:16 61	22/3/2017 21:21 60	24/3/2017 22:26 60	26/3/2017 11:31 62	26/3/2017 20:36 59	27/2/2017 6:06 58	
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20/3/2017 20:41 61	22/3/2017 21:46 60	24/3/2017 22:51 60	26/3/2017 11:56 59	26/3/2017 21:01 59	27/2/2017 6:31 60	
20/3/2017 20:46 61	22/3/2017 21:51 60	24/3/2017 22:56 60	26/3/2017 12:01 60	26/3/2017 21:06 61	27/2/2017 6:36 60	
20/3/2017 20:51 62	22/3/2017 21:56 61	25/3/2017 19:01 60	26/3/2017 12:06 61	26/3/2017 21:11 59	27/2/2017 6:41 60	
20/3/2017 20:56 60	22/3/2017 22:01 62	25/3/2017 19:06 62	26/3/2017 12:11 60	26/3/2017 21:16 59	27/2/2017 6:46 61	
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Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
28/2/2017 0:56	56	1/3/2017 2:01	56	2/3/2017 3:06	54	3/3/2017 4:11	60	4/3/2017 5:16	55	5/3/2017 6:21	58
28/2/2017 1:01	60	1/3/2017 2:06	56	2/3/2017 3:11	56	3/3/2017 4:16	60	4/3/2017 5:21	56	5/3/2017 6:26	59
28/2/2017 1:06	57	1/3/2017 2:11	55	2/3/2017 3:16	55	3/3/2017 4:21	61	4/3/2017 5:26	58	5/3/2017 6:31	59
28/2/2017 1:11	56	1/3/2017 2:16	56	2/3/2017 3:21	54	3/3/2017 4:26	60	4/3/2017 5:31	56	5/3/2017 6:36	58
28/2/2017 1:16	56	1/3/2017 2:21	56	2/3/2017 3:26	54	3/3/2017 4:31	60	4/3/2017 5:36	56	5/3/2017 6:41	59
28/2/2017 1:21	57	1/3/2017 2:26	56	2/3/2017 3:31	55	3/3/2017 4:36	60	4/3/2017 5:41	57	5/3/2017 6:46	59
28/2/2017 1:26	56	1/3/2017 2:31	55	2/3/2017 3:36	55	3/3/2017 4:41	60	4/3/2017 5:46	56	5/3/2017 6:51	59
28/2/2017 1:31	56	1/3/2017 2:36	55	2/3/2017 3:41	54	3/3/2017 4:46	60	4/3/2017 5:51	57	5/3/2017 6:56	59
28/2/2017 1:36	56	1/3/2017 2:41	55	2/3/2017 3:46	55	3/3/2017 4:51	60	4/3/2017 5:56	57	5/3/2017 7:01	59
28/2/2017 1:41	56	1/3/2017 2:46	55	2/3/2017 3:51	55	3/3/2017 4:56	61	4/3/2017 6:01	56	5/3/2017 7:06	58
28/2/2017 1:46	57	1/3/2017 2:51	54	2/3/2017 3:56	54	3/3/2017 5:01	60	4/3/2017 6:06	57	5/3/2017 7:11	59
28/2/2017 1:51	55	1/3/2017 2:56	55	2/3/2017 4:01	54	3/3/2017 5:06	61	4/3/2017 6:11	57	5/3/2017 7:16	58
28/2/2017 1:56	55	1/3/2017 3:01	55	2/3/2017 4:06	54	3/3/2017 5:11	60	4/3/2017 6:16	59	5/3/2017 7:21	58
28/2/2017 2:01	56	1/3/2017 3:06	54	2/3/2017 4:11	55	3/3/2017 5:16	60	4/3/2017 6:21	58	5/3/2017 7:26	58
28/2/2017 2:06	55	1/3/2017 3:11	55	2/3/2017 4:16	55	3/3/2017 5:21	61	4/3/2017 6:26	58	5/3/2017 7:31	57
28/2/2017 2:11	55	1/3/2017 3:16	54	2/3/2017 4:21	54	3/3/2017 5:26	60	4/3/2017 6:31	58	5/3/2017 7:36	57
28/2/2017 2:16	55	1/3/2017 3:21	54	2/3/2017 4:26	55	3/3/2017 5:31	61	4/3/2017 6:36	60	5/3/2017 7:41	58
28/2/2017 2:21	56	1/3/2017 3:26	54	2/3/2017 4:31	56	3/3/2017 5:36	61	4/3/2017 6:41	59	5/3/2017 7:46	57
28/2/2017 2:26	55	1/3/2017 3:31	55	2/3/2017 4:36	54	3/3/2017 5:41	60	4/3/2017 6:46	60	5/3/2017 7:51	57
28/2/2017 2:31	55	1/3/2017 3:36	56	2/3/2017 4:41	56	3/3/2017 5:46	44	4/3/2017 6:51	61	5/3/2017 7:56	57
28/2/2017 2:36	56	1/3/2017 3:41	55	2/3/2017 4:46	55	3/3/2017 5:51	61	4/3/2017 6:56	59	6/3/2017 0:01	57
28/2/2017 2:41	55	1/3/2017 3:46	55	2/3/2017 4:51	56	3/3/2017 5:56	60	4/3/2017 7:01	59	6/3/2017 0:06	58
28/2/2017 2:46	55	1/3/2017 3:51	55	2/3/2017 4:56	55	3/3/2017 6:01	60	4/3/2017 7:06	59	6/3/2017 0:11	57
28/2/2017 2:51	54	1/3/2017 3:56	54	2/3/2017 5:01	55	3/3/2017 6:06	61	4/3/2017 7:11	60	6/3/2017 0:16	57
28/2/2017 2:56	55	1/3/2017 4:01	54	2/3/2017 5:06	54	3/3/2017 6:11	60	4/3/2017 7:16	59	6/3/2017 0:21	56
28/2/2017 3:01	55	1/3/2017 4:06	54	2/3/2017 5:11	55	3/3/2017 6:16	61	4/3/2017 7:21	59	6/3/2017 0:26	56
28/2/2017 3:06	55	1/3/2017 4:11	55	2/3/2017 5:16	55	3/3/2017 6:21	51	4/3/2017 7:26	59	6/3/2017 0:31	57
28/2/2017 3:11	55	1/3/2017 4:16	55	2/3/2017 5:21	56	3/3/2017 6:26	55	4/3/2017 7:31	59	6/3/2017 0:36	56
28/2/2017 3:16	55	1/3/2017 4:21	55	2/3/2017 5:26	56	3/3/2017 6:31	53	4/3/2017 7:36	59	6/3/2017 0:41	56
28/2/2017 3:21	57	1/3/2017 4:26	55	2/3/2017 5:31	55	3/3/2017 6:36	58	4/3/2017 7:41	60	6/3/2017 0:46	56
28/2/2017 3:26	53	1/3/2017 4:31	56	2/3/2017 5:36	56	3/3/2017 6:41	58	4/3/2017 7:46	58	6/3/2017 0:51	58
28/2/2017 3:31	55	1/3/2017 4:36	57	2/3/2017 5:41	56	3/3/2017 6:46	57	4/3/2017 7:51	58	6/3/2017 0:56	56
28/2/2017 3:36	55	1/3/2017 4:41	54	2/3/2017 5:46	57	3/3/2017 6:51	59	4/3/2017 7:56	58	6/3/2017 1:01	56
28/2/2017 3:41	55	1/3/2017 4:46	55	2/3/2017 5:51	57	3/3/2017 6:56	58	5/3/2017 0:01	58	6/3/2017 1:06	56
28/2/2017 3:46	55	1/3/2017 4:51	56	2/3/2017 5:56	57	3/3/2017 7:01	60	5/3/2017 0:06	59	6/3/2017 1:11	56
28/2/2017 3:51	55	1/3/2017 4:56	54	2/3/2017 6:01	57	3/3/2017 7:06	59	5/3/2017 0:11	58	6/3/2017 1:16	57
28/2/2017 3:56	54	1/3/2017 5:01	56	2/3/2017 6:06	57	3/3/2017 7:11	49	5/3/2017 0:16	58	6/3/2017 1:21	56
28/2/2017 4:01	55	1/3/2017 5:06	55	2/3/2017 6:11	58	3/3/2017 7:16	60	5/3/2017 0:21	58	6/3/2017 1:26	56
28/2/2017 4:06	55	1/3/2017 5:11	55	2/3/2017 6:16	59	3/3/2017 7:21	59	5/3/2017 0:26	59	6/3/2017 1:31	55
28/2/2017 4:11	54	1/3/2017 5:16	54	2/3/2017 6:21	59	3/3/2017 7:26	59	5/3/2017 0:31	58	6/3/2017 1:36	56
28/2/2017 4:16	54	1/3/2017 5:21	56	2/3/2017 6:26	60	3/3/2017 7:31	59	5/3/2017 0:36	57	6/3/2017 1:41	55
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28/2/2017 6:41	61	1/3/2017 7:46	59	3/3/2017 0:51	61	4/3/2017 1:56	57	5/3/2017 3:01	56	6/3/2017 4:06	53
28/2/2017 6:46	61	1/3/2017 7:51	58	3/3/2017 0:56	61	4/3/2017 2:01	57	5/3/2017 3:06	56	6/3/2017 4:11	55
28/2/2017 6:51	38	1/3/2017 7:56	58	3/3/2017 1:01	60	4/3/2017 2:06	57	5/3/2017 3:11	55	6/3/2017 4:16	55
28/2/2017 6:56	60	2/3/2017 0:01	58	3/3/2017 1:06	60	4/3/2017 2:11	57	5/3/2017 3:16	55	6/3/2017 4:21	54
28/2/2017 7:01	59	2/3/2017 0:06	58	3/3/2017 1:11	60	4/3/2017 2:16	56	5/3/2017 3:21	55	6/3/2017 4:26	55
28/2/2017 7:06	60	2/3/2017 0:11	57	3/3/2017 1:16	50	4/3/2017 2:21	56	5/3/2017 3:26	56	6/3/2017 4:31	54
28/2/2017 7:11	59	2/3/2017 0:16	57	3/3/2017 1:21	48	4/3/2017 2:26	57	5/3/2017 3:31	55	6/3/2017 4:36	54
28/2/2017 7:16	60	2/3/2017 0:21	58	3/3/2017 1:26	52	4/3/2017 2:31	56	5/3/2017 3:36	55	6/3/2017 4:41	54
28/2/2017 7:21	59	2/3/2017 0:26	58	3/3/2017 1:31	53	4/3/2017 2:36	56	5/3/2017 3:41	56	6/3/2017 4:46	55
28/2/2017 7:26	60	2/3/2017 0:31	58	3/3/2017 1:36	59	4/3/2017 2:41	56	5/3/2017 3:46	55	6/	

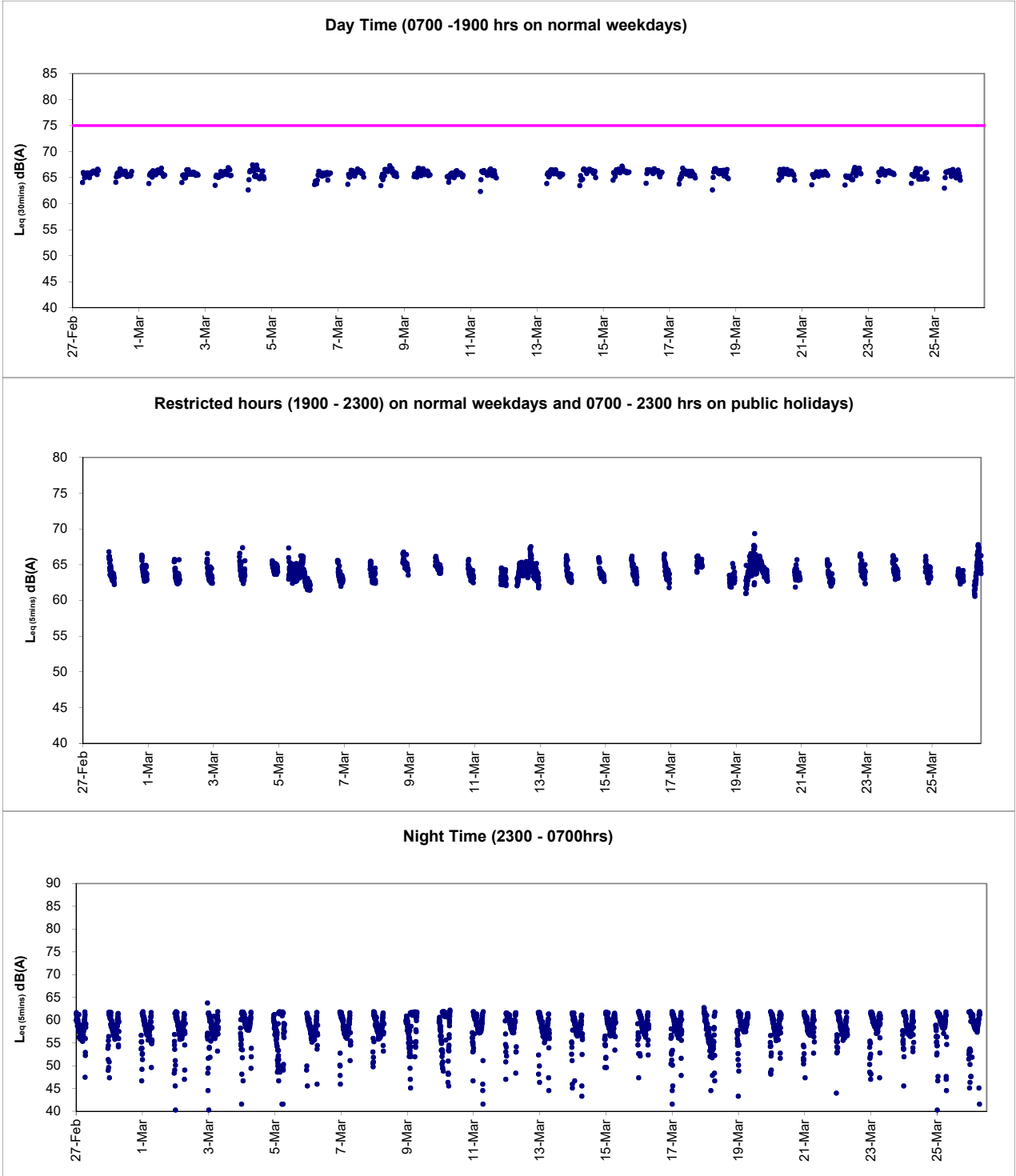
Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
6/3/2017 23:26	59	8/3/2017 0:31	57	9/3/2017 1:36	59	10/3/2017 2:41	56	11/3/2017 3:46	56	12/3/2017 4:51	55
6/3/2017 23:31	58	8/3/2017 0:36	57	9/3/2017 1:41	59	10/3/2017 2:46	56	11/3/2017 3:51	56	12/3/2017 4:56	56
6/3/2017 23:36	58	8/3/2017 0:41	56	9/3/2017 1:46	59	10/3/2017 2:51	56	11/3/2017 3:56	56	12/3/2017 5:01	55
6/3/2017 23:41	58	8/3/2017 0:46	57	9/3/2017 1:51	59	10/3/2017 2:56	57	11/3/2017 4:01	56	12/3/2017 5:06	55
6/3/2017 23:46	58	8/3/2017 0:51	56	9/3/2017 1:56	59	10/3/2017 3:01	54	11/3/2017 4:06	56	12/3/2017 5:11	56
6/3/2017 23:51	57	8/3/2017 0:56	58	9/3/2017 2:01	59	10/3/2017 3:06	55	11/3/2017 4:11	56	12/3/2017 5:16	55
6/3/2017 23:56	58	8/3/2017 1:01	57	9/3/2017 2:06	59	10/3/2017 3:11	55	11/3/2017 4:16	56	12/3/2017 5:21	56
7/3/2017 0:01	61	8/3/2017 1:06	57	9/3/2017 2:11	58	10/3/2017 3:16	54	11/3/2017 4:21	56	12/3/2017 5:26	56
7/3/2017 0:06	59	8/3/2017 1:11	56	9/3/2017 2:16	58	10/3/2017 3:21	56	11/3/2017 4:26	56	12/3/2017 5:31	56
7/3/2017 0:11	59	8/3/2017 1:16	57	9/3/2017 2:21	58	10/3/2017 3:26	55	11/3/2017 4:31	55	12/3/2017 5:36	57
7/3/2017 0:16	57	8/3/2017 1:21	56	9/3/2017 2:26	60	10/3/2017 3:31	55	11/3/2017 4:36	56	12/3/2017 5:41	57
7/3/2017 0:21	58	8/3/2017 1:26	56	9/3/2017 2:31	59	10/3/2017 3:36	55	11/3/2017 4:41	56	12/3/2017 5:46	58
7/3/2017 0:26	57	8/3/2017 1:31	60	9/3/2017 2:36	58	10/3/2017 3:41	55	11/3/2017 4:46	55	12/3/2017 5:51	57
7/3/2017 0:31	57	8/3/2017 1:36	56	9/3/2017 2:41	58	10/3/2017 3:46	56	11/3/2017 4:51	55	12/3/2017 5:56	57
7/3/2017 0:36	58	8/3/2017 1:41	56	9/3/2017 2:46	58	10/3/2017 3:51	55	11/3/2017 4:56	56	12/3/2017 6:01	57
7/3/2017 0:41	57	8/3/2017 1:46	56	9/3/2017 2:51	58	10/3/2017 3:56	56	11/3/2017 5:01	56	12/3/2017 6:06	57
7/3/2017 0:46	57	8/3/2017 1:51	56	9/3/2017 2:56	58	10/3/2017 4:01	55	11/3/2017 5:06	56	12/3/2017 6:11	58
7/3/2017 0:51	57	8/3/2017 1:56	55	9/3/2017 3:01	58	10/3/2017 4:06	55	11/3/2017 5:11	56	12/3/2017 6:16	57
7/3/2017 0:56	58	8/3/2017 2:01	56	9/3/2017 3:06	58	10/3/2017 4:11	54	11/3/2017 5:16	54	12/3/2017 6:21	58
7/3/2017 1:01	57	8/3/2017 2:06	55	9/3/2017 3:11	58	10/3/2017 4:16	55	11/3/2017 5:21	55	12/3/2017 6:26	59
7/3/2017 1:06	57	8/3/2017 2:11	55	9/3/2017 3:16	58	10/3/2017 4:21	56	11/3/2017 5:26	56	12/3/2017 6:31	59
7/3/2017 1:11	56	8/3/2017 2:16	55	9/3/2017 3:21	57	10/3/2017 4:26	55	11/3/2017 5:31	57	12/3/2017 6:36	59
7/3/2017 1:16	57	8/3/2017 2:21	55	9/3/2017 3:26	58	10/3/2017 4:31	55	11/3/2017 5:36	56	12/3/2017 6:41	59
7/3/2017 1:21	57	8/3/2017 2:26	55	9/3/2017 3:31	58	10/3/2017 4:36	54	11/3/2017 5:41	55	12/3/2017 6:46	60
7/3/2017 1:26	56	8/3/2017 2:31	55	9/3/2017 3:36	58	10/3/2017 4:41	55	11/3/2017 5:46	57	12/3/2017 6:51	59
7/3/2017 1:31	55	8/3/2017 2:36	56	9/3/2017 3:41	58	10/3/2017 4:46	55	11/3/2017 5:51	57	12/3/2017 6:56	59
7/3/2017 1:36	57	8/3/2017 2:41	56	9/3/2017 3:46	57	10/3/2017 4:51	55	11/3/2017 5:56	56	12/3/2017 7:01	58
7/3/2017 1:41	56	8/3/2017 2:46	56	9/3/2017 3:51	58	10/3/2017 4:56	55	11/3/2017 6:01	56	12/3/2017 7:06	59
7/3/2017 1:46	55	8/3/2017 2:51	55	9/3/2017 3:56	58	10/3/2017 5:01	54	11/3/2017 6:06	57	12/3/2017 7:11	59
7/3/2017 1:51	55	8/3/2017 2:56	54	9/3/2017 4:01	58	10/3/2017 5:06	55	11/3/2017 6:11	57	12/3/2017 7:16	58
7/3/2017 1:56	55	8/3/2017 3:01	55	9/3/2017 4:06	57	10/3/2017 5:11	54	11/3/2017 6:16	57	12/3/2017 7:21	58
7/3/2017 2:01	56	8/3/2017 3:06	54	9/3/2017 4:11	57	10/3/2017 5:16	55	11/3/2017 6:21	58	12/3/2017 7:26	58
7/3/2017 2:06	56	8/3/2017 3:11	54	9/3/2017 4:16	57	10/3/2017 5:21	55	11/3/2017 6:26	59	12/3/2017 7:31	58
7/3/2017 2:11	55	8/3/2017 3:16	54	9/3/2017 4:21	58	10/3/2017 5:26	56	11/3/2017 6:31	59	12/3/2017 7:36	58
7/3/2017 2:16	54	8/3/2017 3:21	54	9/3/2017 4:26	58	10/3/2017 5:31	56	11/3/2017 6:36	59	12/3/2017 7:41	59
7/3/2017 2:21	55	8/3/2017 3:26	54	9/3/2017 4:31	58	10/3/2017 5:36	56	11/3/2017 6:41	59	12/3/2017 7:46	58
7/3/2017 2:26	55	8/3/2017 3:31	55	9/3/2017 4:36	58	10/3/2017 5:41	57	11/3/2017 6:46	59	12/3/2017 7:51	57
7/3/2017 2:31	55	8/3/2017 3:36	55	9/3/2017 4:41	58	10/3/2017 5:46	56	11/3/2017 6:51	59	12/3/2017 7:56	58
7/3/2017 2:36	55	8/3/2017 3:41	54	9/3/2017 4:46	57	10/3/2017 5:51	58	11/3/2017 6:56	59	13/3/2017 0:01	58
7/3/2017 2:41	54	8/3/2017 3:46	55	9/3/2017 4:51	58	10/3/2017 5:56	56	11/3/2017 7:01	61	13/3/2017 0:06	57
7/3/2017 2:46	55	8/3/2017 3:51	54	9/3/2017 4:56	58	10/3/2017 6:01	57	11/3/2017 7:06	60	13/3/2017 0:11	57
7/3/2017 2:51	54	8/3/2017 3:56	54	9/3/2017 5:01	57	10/3/2017 6:06	57	11/3/2017 7:11	59	13/3/2017 0:16	57
7/3/2017 2:56	55	8/3/2017 4:01	54	9/3/2017 5:06	58	10/3/2017 6:11	57	11/3/2017 7:16	60	13/3/2017 0:21	57
7/3/2017 3:01	54	8/3/2017 4:06	54	9/3/2017 5:11	58	10/3/2017 6:16	58	11/3/2017 7:21	59	13/3/2017 0:26	57
7/3/2017 3:06	54	8/3/2017 4:11	55	9/3/2017 5:16	58	10/3/2017 6:21	57	11/3/2017 7:26	59	13/3/2017 0:31	57
7/3/2017 3:11	55	8/3/2017 4:16	54	9/3/2017 5:21	58	10/3/2017 6:26	60	11/3/2017 7:31	59	13/3/2017 0:36	57
7/3/2017 3:16	55	8/3/2017 4:21	55	9/3/2017 5:26	58	10/3/2017 6:31	59	11/3/2017 7:36	58	13/3/2017 0:41	57
7/3/2017 3:21	55	8/3/2017 4:26	54	9/3/2017 5:31	58	10/3/2017 6:36	60	11/3/2017 7:41	59	13/3/2017 0:46	57
7/3/2017 3:26	54	8/3/2017 4:31	55	9/3/2017 5:36	58	10/3/2017 6:41	60	11/3/2017 7:46	59	13/3/2017 0:51	57
7/3/2017 3:31	55	8/3/2017 4:36	55	9/3/2017 5:41	58	10/3/2017 6:46	60	11/3/2017 7:51	59	13/3/2017 0:56	56
7/3/2017 3:36	55	8/3/2017 4:41	54	9/3/2017 5:46	58	10/3/2017 6:51	61	11/3/2017 7:56	59	13/3/2017 1:01	57
7/3/2017 3:41	55	8/3/2017 4:46	55	9/3/2017 5:51	59	10/3/2017 6:56	61	12/3/2017 0:01	58	13/3/2017 1:06	56
7/3/2017 3:46	55	8/3/2017 4:51	55	9/3/2017 5:56	59	10/3/2017 7:01	59	12/3/2017 0:06	58	13/3/2017 1:11	55
7/3/2017 3:51	55	8/3/2017 4:56	54	9/3/2017 6:01	59	10/3/2017 7:06	59	12/3/2017 0:11	58	13/3/2017 1:16	55
7/3/2017 3:56	55	8/3/2017 5:01	55	9/3/2017 6:06	59	10/3/2017 7:11	59	12/3/2017 0:16	59	13/3/2017 1:21	55
7/3/2017 4:01	53	8/3/2017 5:06	54	9/3/2017 6:11	59	10/3/2017 7:16	59	12/3/2017 0:21	58	13/3/2017 1:26	56
7/3/2017 4:06	55	8/3/2017 5:11	55	9/3/2017 6:16	60	10/3/2017 7:21	59	12/3/2017 0:26	58	13/3/2017 1:31	55
7/3/2017 4:11	54	8/3/2017 5:16	54	9/3/2017 6:21	60	10/3/2017 7:26	59	12/3/2017 0:31	58	13/3/2017 1:36	55
7/3/2017 4:16	55	8/3/2017 5:21	55	9/3/2017 6:26	61	10/3/2017 7:31	59	12/3/2017 0:36	58	13/3/2017 1:41	54
7/3/2017 4:21	55	8/3/2017 5:26	56	9/3/2017 6:31	60	10/3/2017 7:36	59	12/3/2017 0:41	57	13/3/2017 1:46	55
7/3/2017 4:26	54	8/3/2017 5:31	56	9/3/2017 6:36	48	10/3/2017 7:41	59	12/3/2017 0:46	57	13/3/2017 1:51	56
7/3/2017 4:31	54	8/3/2017 5:36	56	9/3/2017 6:41	44	10/3/2017 7:46	59	12/3/2017 0:51	57	13/3/2017 1:56	56
7/3/2017 4:36	55	8/3/2017 5:41	55	9/3/2017 6:46	53	10/3/2017 7:51	59	12/3/2017 0:56	58	13/3/2017 2:01	54
7/3/2017 4:41	55	8/3/2017 5:46	55	9/3/2017 6:51	61	10/3/2017 7:56	59	12/3/2017 1:01	58	13/3/2017 2:06	55
7/3/2017 4:46	55	8/3/2017 5:51	57	9/3/2017 6:56	39	11/3/2017 0:01	59	12/3/2017 1:06	58	13/3/2017 2:11	55
7/3/2017 4:51	55	8/3/2017 5:56	57	9/3/2017 7:01	59	11/3/2017 0:06	58	12/3/2017 1:11	58	13/3/2017 2:16	54
7/3/2017 4:56	55	8/3/2017 6:01	57	9/3/2017 7:06	59	11/3/2017 0:11	58	12/3/2017 1:16	58	13/3/2017 2:21	55
7/3/2017 5:01	54	8/3/2017 6:06	57	9/3/2017 7:11	59	11/3/2017 0:16	58	12/3/2017 1:21	58	13/3/2017 2:26	54
7/3/2017 5:06	55	8/3/2017 6:11	58	9/3/2017 7:16	59	11/3/2017 0:21	57	12/3/2017 1:26	57	13/3/2017 2:31	54
7/3/2017 5:11	55	8/3/2017 6:16	59	9/3/2017 7:21	59	11/3/2017 0:26	35	12/3/2017 1:31	57	13/3/2017 2:36	54
7/3/2017 5:16	55	8/3/2017 6:21	58	9/3/2017 7:26	59	11/3/2017 0:31	58	12/3/2017 1:36	57	13/3/2017 2:41	55
7/3/2017 5:21	56	8/3/2017 6:26	59	9/3/2017 7:31	58	11/3/2017 0:36	59	12/3/2017 1:41	58	13/3/2017 2:46	56
7/3/2017 5:26	55	8/3/2017 6:31	60	9/3/2017 7:36	58	11/3/2017 0:41	58	12/3/2017 1:46	57	13/3/2017 2:51	53
7/3/2017 5:31	56	8/3/2017 6:36	60	9/3/2017 7:41	58	11/3/2017 0:46	59	12/3/2017 1:51	57	13/3/2017 2:56	54
7/3/2017 5:36	56	8/3/2017 6:41	60	9/3/2017 7:46	58	11/3/2017 0:51	58	12/3/2017 1:56	58	13/3/2017 3:01	54
7/3/2017 5:41	57	8/3/2017 6:46	60	9/3/2017 7:51	57	11/3/2017 0:56	58	12/3/2017 2:01	57	13/3/2017 3:06	56
7/3/2017 5:46	56	8/3/2017 6:51	60	9/3/2017 7:56	58	11/3/2017 1:01	59	12/3/2017 2:06	58	13/3/2017 3:11	53
7/3/2017 5:51	56	8/3/2017 6:56	60	10/3/2017 0:01	58	11/3/2017 1:06	58				

Real-time Noise Data		RTN4 (Causeway Bay Community Centre)									
13/3/2017 5:56	56	14/3/2017 23:01	60	16/3/2017 0:06	58	17/3/2017 1:11	57	18/3/2017 2:16	56	19/3/2017 3:21	56
13/3/2017 6:01	57	14/3/2017 23:06	59	16/3/2017 0:11	58	17/3/2017 1:16	56	18/3/2017 2:21	57	19/3/2017 3:26	56
13/3/2017 6:06	57	14/3/2017 23:11	59	16/3/2017 0:16	58	17/3/2017 1:21	56	18/3/2017 2:26	56	19/3/2017 3:31	56
13/3/2017 6:11	58	14/3/2017 23:16	59	16/3/2017 0:21	58	17/3/2017 1:26	56	18/3/2017 2:31	57	19/3/2017 3:36	55
13/3/2017 6:16	58	14/3/2017 23:21	60	16/3/2017 0:26	59	17/3/2017 1:31	60	18/3/2017 2:36	56	19/3/2017 3:41	56
13/3/2017 6:21	58	14/3/2017 23:26	60	16/3/2017 0:31	59	17/3/2017 1:36	57	18/3/2017 2:41	56	19/3/2017 3:46	54
13/3/2017 6:26	60	14/3/2017 23:31	59	16/3/2017 0:36	58	17/3/2017 1:41	55	18/3/2017 2:46	58	19/3/2017 3:51	55
13/3/2017 6:31	59	14/3/2017 23:36	59	16/3/2017 0:41	58	17/3/2017 1:46	56	18/3/2017 2:51	56	19/3/2017 3:56	54
13/3/2017 6:36	60	14/3/2017 23:41	59	16/3/2017 0:46	58	17/3/2017 1:51	56	18/3/2017 2:56	56	19/3/2017 4:01	55
13/3/2017 6:41	61	14/3/2017 23:46	59	16/3/2017 0:51	58	17/3/2017 1:56	56	18/3/2017 3:01	56	19/3/2017 4:06	56
13/3/2017 6:46	60	14/3/2017 23:51	59	16/3/2017 0:56	57	17/3/2017 2:01	55	18/3/2017 3:06	56	19/3/2017 4:11	54
13/3/2017 6:51	60	14/3/2017 23:56	58	16/3/2017 1:01	57	17/3/2017 2:06	56	18/3/2017 3:11	57	19/3/2017 4:16	56
13/3/2017 6:56	59	15/3/2017 0:01	59	16/3/2017 1:06	57	17/3/2017 2:11	55	18/3/2017 3:16	56	19/3/2017 4:21	55
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13/3/2017 23:11	59	15/3/2017 0:16	58	16/3/2017 1:21	56	17/3/2017 2:26	55	18/3/2017 3:31	56	19/3/2017 4:36	55
13/3/2017 23:16	59	15/3/2017 0:21	59	16/3/2017 1:26	57	17/3/2017 2:31	55	18/3/2017 3:36	56	19/3/2017 4:41	55
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13/3/2017 23:26	58	15/3/2017 0:31	58	16/3/2017 1:36	57	17/3/2017 2:41	55	18/3/2017 3:46	56	19/3/2017 4:51	55
13/3/2017 23:31	58	15/3/2017 0:36	58	16/3/2017 1:41	57	17/3/2017 2:46	56	18/3/2017 3:51	56	19/3/2017 4:56	56
13/3/2017 23:36	59	15/3/2017 0:41	57	16/3/2017 1:46	56	17/3/2017 2:51	56	18/3/2017 3:56	56	19/3/2017 5:01	55
13/3/2017 23:41	59	15/3/2017 0:46	57	16/3/2017 1:51	56	17/3/2017 2:56	56	18/3/2017 4:01	55	19/3/2017 5:06	55
13/3/2017 23:46	60	15/3/2017 0:51	57	16/3/2017 1:56	56	17/3/2017 3:01	55	18/3/2017 4:06	56	19/3/2017 5:11	55
13/3/2017 23:51	58	15/3/2017 0:56	57	16/3/2017 2:01	56	17/3/2017 3:06	55	18/3/2017 4:11	55	19/3/2017 5:16	55
13/3/2017 23:56	58	15/3/2017 1:01	58	16/3/2017 2:06	55	17/3/2017 3:11	54	18/3/2017 4:16	56	19/3/2017 5:21	56
14/3/2017 0:01	58	15/3/2017 1:06	56	16/3/2017 2:11	56	17/3/2017 3:16	55	18/3/2017 4:21	57	19/3/2017 5:26	55
14/3/2017 0:06	58	15/3/2017 1:11	57	16/3/2017 2:16	55	17/3/2017 3:21	55	18/3/2017 4:26	56	19/3/2017 5:31	56
14/3/2017 0:11	57	15/3/2017 1:16	58	16/3/2017 2:21	55	17/3/2017 3:26	55	18/3/2017 4:31	55	19/3/2017 5:36	56
14/3/2017 0:16	58	15/3/2017 1:21	57	16/3/2017 2:26	56	17/3/2017 3:31	54	18/3/2017 4:36	55	19/3/2017 5:41	56
14/3/2017 0:21	57	15/3/2017 1:26	56	16/3/2017 2:31	56	17/3/2017 3:36	55	18/3/2017 4:41	56	19/3/2017 5:46	56
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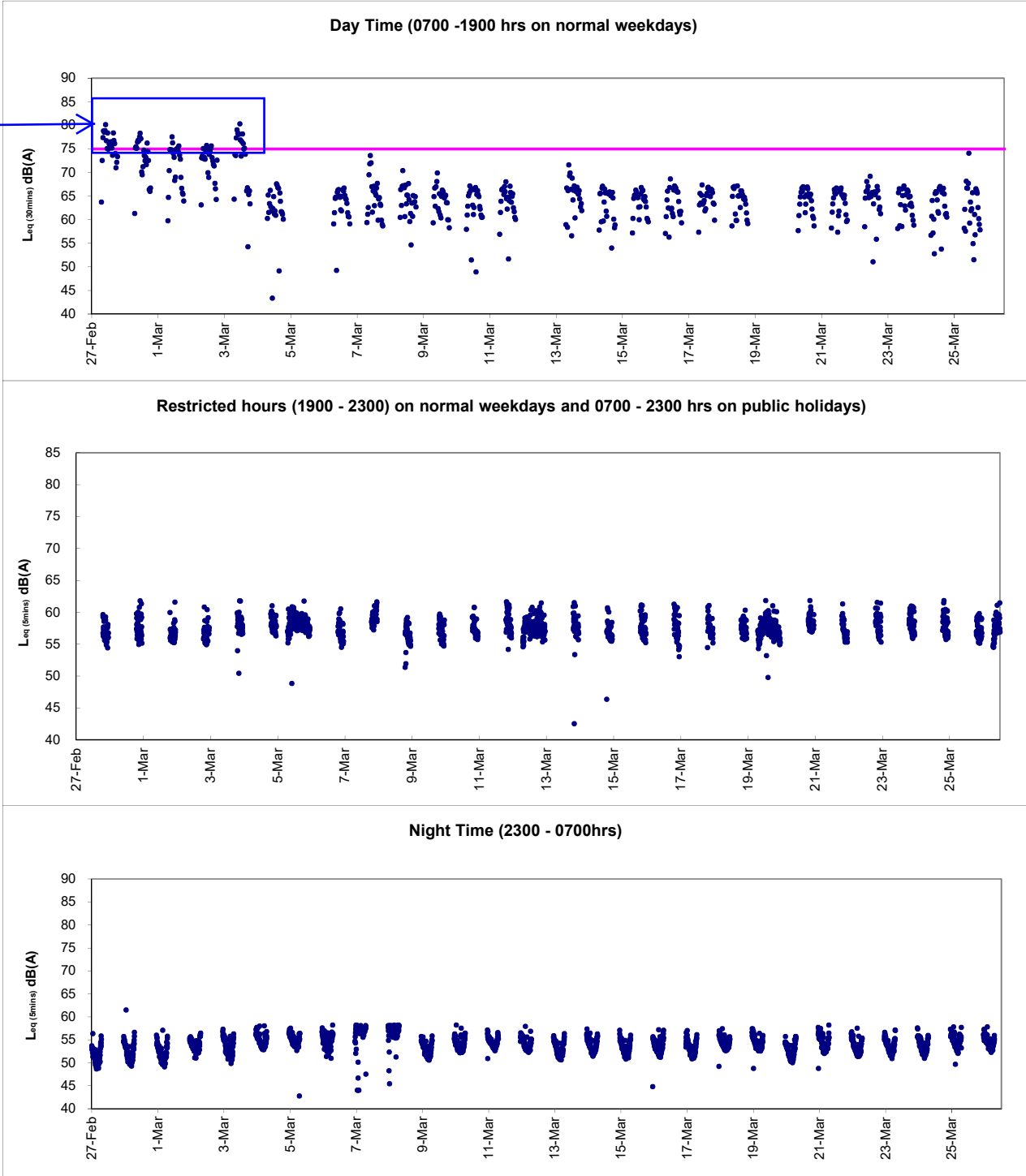
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21/3/2017 2:26	58	22/3/2017 3:31	54	23/3/2017 4:36	55	24/3/2017 5:41	56	25/3/2017 6:46	60	26/3/2017 23:51	59
21/3/2017 2:31	58	22/3/2017 3:36	55	23/3/2017 4:41	55	24/3/2017 5:46	57	25/3/2017 6:51	60	26/3/2017 23:56	59
21/3/2017 2:36	57	22/3/2017 3:41	55	23/3/2017 4:46	54	24/3/2017 5:51	57	25/3/2017 6:56	60		
21/3/2017 2:41	55	22/3/2017 3:46	56	23/3/2017 4:51	55	24/3/2017 5:56	57	25/3/2017 7:01	59		
21/3/2017 2:46	56</										



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



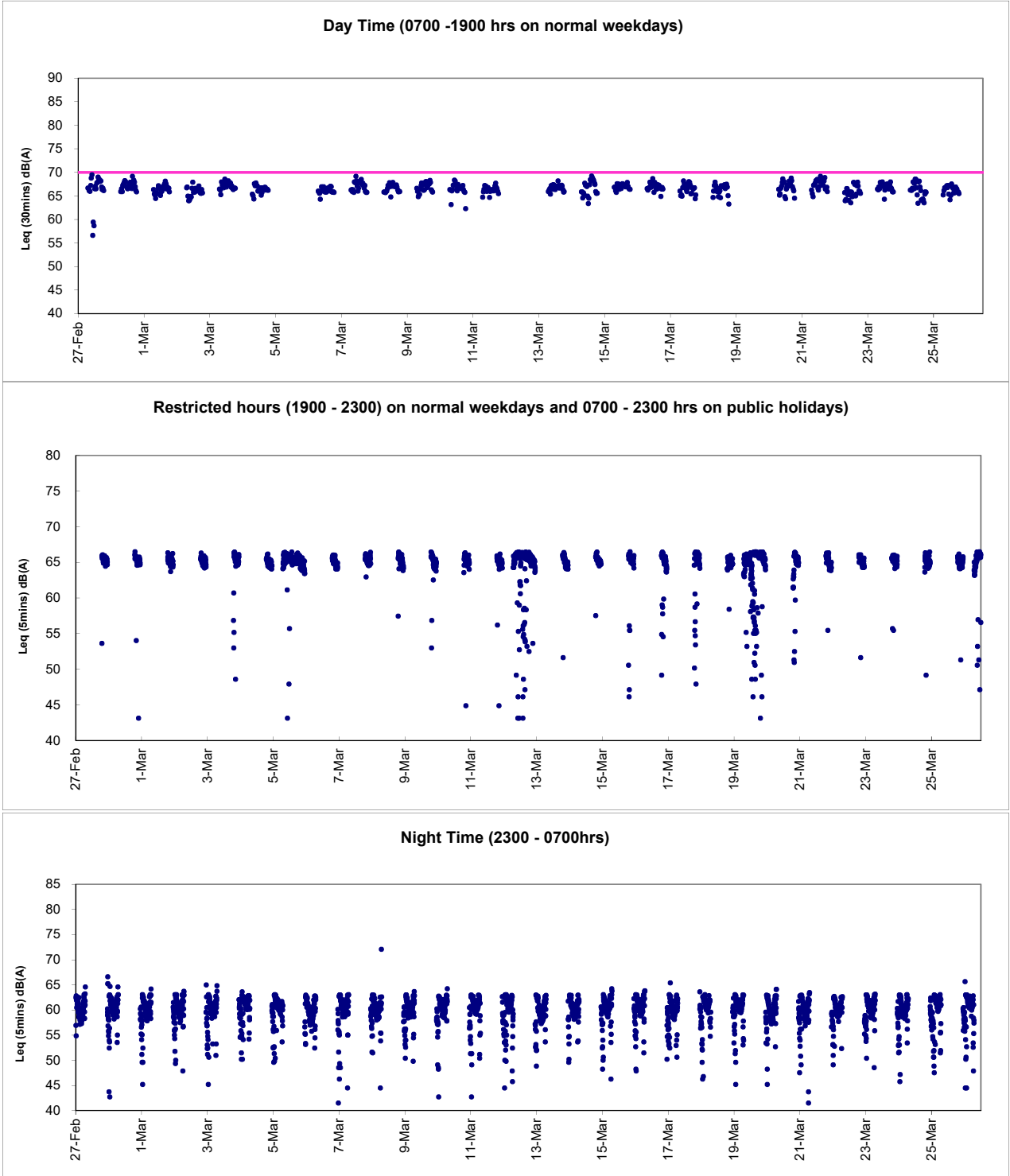
Graphic Presentation of Real Time Noise Monitoring Result (RTN2a- Hong Kong Electric Centre)



After checking with Contractor of HY/2009/19, sheet piling, pre bored drilling and breaking works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and temporary noise barrier was generally implemented and breaking works was conducted behind physical building structure while formworks, bar fixing and concreting works were conducted on 27, 28 February and 01, 02 and 03 March 2017 and no particular noise was considered for the works. Nevertheless, building construction works with breaking and hammering works under non-CWB private development site at Oil Street was conducted at the building level adjacent to the noise monitoring station and were considered as the major noise contribution across the monitoring period. As such, the exceedances were considered as non-Project related.

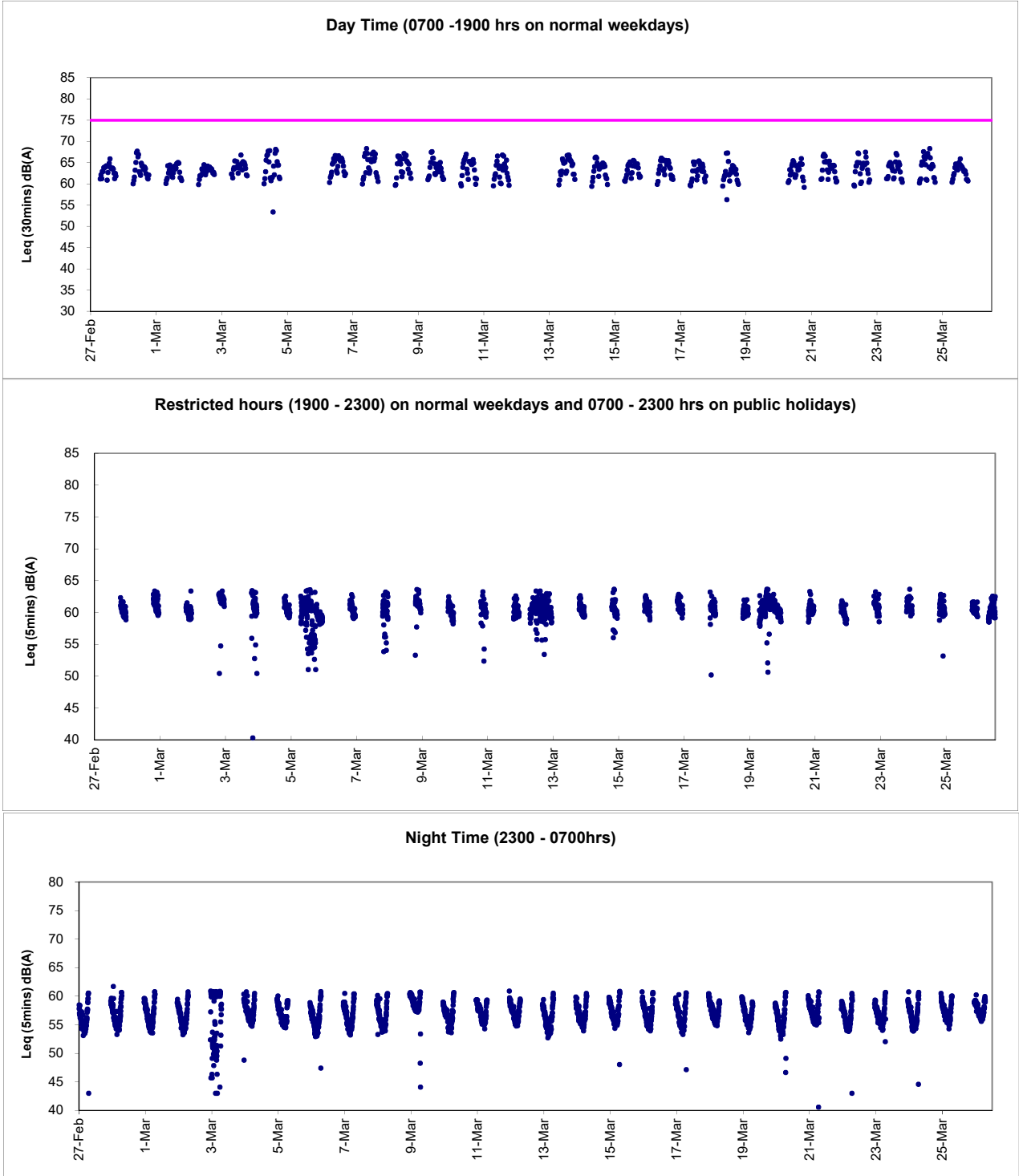


Graphic Presentation of Real Time Noise Monitoring Result (RTN3-Yu Lee Mo Fan Memorial School)





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





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">1. Notify ER, IEC and Contractor;2. Carry out investigation;3. Report the results of investigation to the IEC, ER and Contractor;4. Discuss with the IEC and Contractor on remedial measures required;5. Increase monitoring frequency to check mitigation effectiveness. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none">1. Review the investigation results submitted by the ET;2. Review the proposed remedial measures by the Contractor and advise the ER accordingly;3. Advise the ER on the effectiveness of the proposed remedial measures. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none">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. <p>(The above actions should be taken within 2 working days after the exceedance is identified)</p>	<ol style="list-style-type: none">1. Submit noise mitigation proposals to IEC and ER;2. Implement noise mitigation proposals. <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	<ol style="list-style-type: none"> 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) 	<ol style="list-style-type: none"> 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) 	<ol style="list-style-type: none"> 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) 	<ol style="list-style-type: none"> 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
ACTION LEVEL				
1. Exceedance for one sample	<ol style="list-style-type: none"> Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency to daily. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Check monitoring data submitted by ET; Check Contractor's working method. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Notify Contractor. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Rectify any unacceptable practice; Amend working methods if appropriate. (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"> Identify source; Inform IEC and ER; Advise the ER on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ET on the effectiveness of the proposed remedial measures; Supervise Implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Submit proposals for remedial to ER within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)
LIMIT LEVEL				
1. Exceedance for one sample	<ol style="list-style-type: none"> Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ER on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate. (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"> Notify IEC, ER, Contractor and EPD; Identify source; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Ensure remedial measures properly implemented; 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. (The above actions should be taken within 2 working days after the exceedance is identified)	<ol style="list-style-type: none"> Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; 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)



Appendix 6.2

Summary for Notification of Exceedance



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A043	2-Mar-17	8:00	CMA5b- Pedestrian Plaza	287.3	24hr TSP (ug/m ³)	181.0	260	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 02 to 03 March 2017 was recorded as ranged from 5 - 6). In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HY/2011/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A032	2-Mar-17	8:00	CMA5b- Pedestrian Plaza	287.3	24hr TSP (ug/m ³)	181.0	260	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition was implemented and no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 02 to 03 March 2017 was recorded as ranged from 5 - 6). In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A034	2-Mar-17	8:00	CMA5b- Pedestrian Plaza	287.3	24hr TSP (ug/m ³)	181.0	260	<p>Possible reason: Elevated TSP level potentially in relate to ambient environment and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 02 to 03 March 2017 was recorded as ranged from 5 - 6). In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A044	3-Mar-17	8:02	CMA5b- Pedestrian Plaza	393.5	1hr TSP (ug/m ³)	339.7	500	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HY/2011/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A045	3-Mar-17	9:30	CMA5b- Pedestrian Plaza	348.1	1hr TSP (ug/m ³)	339.7	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HY/2011/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A046	3-Mar-17	13:00	CMA5b- Pedestrian Plaza	826.4	1hr TSP (ug/m ³)	339.7	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: Despite ground paving by concrete and plant mobilization were undertaken on the monitoring date at the Central Ventilation Building under Contractor of HY/2011/08, no particular observation regarding air quality impact was observed during sampling. Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HY/2011/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A035	3-Mar-17	8:02	CMA5b- Pedestrian Plaza	393.5	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition were implemented and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A036	3-Mar-17	9:30	CMA5b- Pedestrian Plaza	348.1	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition were implemented and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A037	3-Mar-17	13:00	CMA5b- Pedestrian Plaza	826.4	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by contractor.</p> <p>Remarks / Other Obs: Despite concreting, formwork erection and rebar fixing were undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2012/08, dust suppression measure including haul road maintained in dampened condition were implemented and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2012/08 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A038	3-Mar-17	8:02	CMA5b- Pedestrian Plaza	393.5	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2009/01 and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A039	3-Mar-17	9:30	CMA5b- Pedestrian Plaza	348.1	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2009/01 and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>
X_16A040	3-Mar-17	13:00	CMA5b- Pedestrian Plaza	826.4	1hr TSP (ug/m ³)	332.0	500	<p>Possible reason: Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken on the monitoring date at around Pedestrian Plaza under Contractor of HK/2009/01 and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period on 03 March 2017 was recorded at 6) and elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project construction activities opposite to the monitoring station was observed on the monitoring date.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and other sources affecting local ambient condition such as road traffic next to the monitoring station. Nevertheless, the Contractor of HK/2009/01 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A031	3-Mar-17	13:00	CMA4a- SPCA	939.9	1hr TSP (ug/m ³)	312.0	500	<p>Possible reason: Elevated TSP level potentially in relate to ambient air quality and non WDII-CWB renovation works next to the monitoring station.</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. Mitigation measures including covering of stockpile and watering for haul road and during loading and unloading of material were implemented by the Contractor</p> <p>Remarks / Other Obs: Despite backfilling works at Portion 3&4 and tunnel structure works at Portion 5 were conducted on 03 March 2017 on the monitoring date around the monitoring station under Contractor of HK/2009/02, dust suppression measure including covering of stockpile and watering for haul road and during loading and unloading of material were implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling.</p> <p>Meanwhile, severe smog was reported observed across the period on 01 March 2017 and it is considered that exceedance was potentially in relate to the residual effect of the severe smog observed (AQHI at Eastern District Station during monitoring period was recorded at 6 on 03 March 2017 during monitoring period). Also, elevated TSP level was observed across other monitoring stations from Wanchai to North Point Districts on the same monitoring date. In addition, non WDII-CWB Project renovation works was conducted next to the monitoring station.</p> <p>In view of the above, the exceedance was considered to be non-project related and potentially contributed by ambient air quality and the observed renovation works next to the monitoring station. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain regularly dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A048	27-Mar-17	10:35	CMA1b- Oil Street Site Office	570.6	1 hr TSP (ug/m ³)	320.1	500	<p>Possible reason: Elevated TSP level in relate to local ambient condition around monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: Concrete and bar fixing works was undertaken under Contract HY/2011/08 on the monitoring date at around Oil Street Site Office while regular water spraying on ground was generally implemented by the Contractor and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.</p>



Ref. No.	Date	Time	Location	Measured TSP Level	Unit	Action Level	Limit Level	Follow-up action
X_16A047	27-Mar-17	10:35	CMA1b- Oil Street Site Office	570.6	1 hr TSP (ug/m ³)	320.1	500	<p>Possible reason: Elevated TSP level in relate to local ambient condition around monitoring station</p> <p>Action taken / to be taken: Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures.</p> <p>Remarks / Other Obs: No construction works was undertaken under Contract HY/2009/19 on the monitoring date at around Oil Street Site Office while the haul road around the concerned location was observed maintained in dampened condition and no particular observation regarding air quality impact was observed during sampling. In view of the above, the limit level exceedance was considered to be non-project related and contributed by local ambient condition.</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
					<p>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</p> <p>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.</p> <p>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.</p> <p>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</p>	
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)	<p>1) RSS notified ET to carry out investigation on 17 October 2011.</p> <p>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.</p> <p>3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011.</p> <p>4) Contractor was reminded to enhance regular checking and maintenance to all plants at site.</p> <p>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.</p>	Closed
111104	04/11/2011	Mr. Liu from	Wan Chai	Complain about a tree near the	<p>1) ET confirmed with the Resident Site Staff that</p>	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">• 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.• 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. 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">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.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 0700.3) 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	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">1) RSS notified ET on 17 April 2012.2) 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.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.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.	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130308	06/03/2013	ICC Case#1-407181502	Tin Hau	A complaint regarding the dropping of fine rock material into surrounding waterbody was observed during rock breaking operation with two excavators in active operation at the Eastern Breakwater of Causeway Bay Typhoon Shelter near the North Point lighthouse.	<p>1) RSS notified ET on 8 Marc 2013</p> <p>2) ET confirmed with RSS that excavation works, installation of buoy, flashing light and silt curtain and dredging works were undertaken at Eastern Breakwater during the concerned period on 6 March 2013. One backhoe equipped with breaker and one derrick barge were confirmed in operation while another backhoe was at idle during the concerned period on 6 March 2013.</p> <p>3) Reviewing the photo record provided by RSS, the condition of the silt curtain deployed around the Eastern Breakwater on 6 March 2013 was found to be in good condition. It is considered that the silt curtain was properly in place during the concerned period and the concerned act of dropping of fine rock material was confined within the silt curtain boundary without adverse impact to the nearby water quality.</p> <p>Further follow up was conducted on 12 March 2013 during weekly environmental audit inspection, the silt curtain deployed around the concerned area was found to be maintained in good condition and the water quality at the concerned work area was generally satisfactory. No violation of the Environmental Permit condition was found.</p> <p>The contracotr was advised and committed to implement preventive measures to mimize the potential impact of work including conducting regular diver check to ensure the integrity and the extend of silt curtain deployment and to provide adequtae back up stock of silt curtain for emergency use.</p>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130606	30/5/2013	ICC Ref. No.: #1-430164728	Central – Man Kat Street	1. A number of trees (approximately more than ten) along Man Kat Street were found to be in poor health condition with withered and yellow leaves. The complainant has requested a follow-up by relevant department.	1) RSS notify ET on 6 June 2013 2) ET confirmed with the Resident Site Staff that According to the information provided by RSS, 13 no. of the trees - Roystonea regia (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned location raised by the complainant was found to be withered and yellow leaves and 1 no. of tree- Khaya senegalensis (T1712) raised by the complainant was found to be in poor health condition. No construction works was undertaken by Contract HY/2009/18 at the concerned planter area where the affected trees are located. It was also observed that an active CEDD construction works area under a separate contractor not related to Central Wan Chai Bypass Project was found to be located within the concerned planter area. 3) A follow-up joint inspection with RSS and Landscape specialist was conducted on 10 June 2013, it was considered that the withered and yellow leaves of the affected trees (T1674, T1675, T1676, T1677, T1678, T1679, T1680, T1681, T1683, T1644, T1643, T1641, T1639) at the concerned planter area were contributed by natural life cycle of the affected trees and the health condition of the affected trees were considered to be fair. It was also noted that an active CEDD works area was located within the concerned planter area in close proximity to few of the concerned trees (T1644, T1643, T1641, T1639) According to tree inspection records from Jan 2013 to May 2013 confirmed by RSS (Document Ref: CI-F1-043b, CI-F1-044b, CI-F1-045b, CI-F1-046b, CI-F1-047b), the affected tree (T1712) at the concerned planter area was considered to show sign of withering and considered to be in poor health condition in latest tree survey report confirmed by RSS.	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>During the follow-up inspection on 10 June 2013, It was observed that construction material and oil drum were placed near the the roots area of other trees within the CEDD works. Despite the above observation, no direct evidence was found on site which indicates the work front have contributed to the poor health condition of the affected tree (T1712) at the time of investigation.</p> <p>4) The relevant contractor have removed the construction material near the root area of the trees retained on site and conduct pruning to remove the withered and yellow leaves retained on tree trunk to minimize impact on the trees appearance.In addition, safety supporting wire was provided for concerned tree (T1712)</p> <p>5) ET recommended the contractor to keep in view the health condition of the concerned tree (T1712) and apply permission for tree felling together with tree compensation plan if considered necessary. Furthermore, the contractor was reminded to implement regular checking of tree health condition and regular removal of withered leaves to maintain the overall tree appearance.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
130611	30 May 2013 and 1 June 2013	EPD Ref.:H04/RS/0001 1587-13	Area near Central Pier	1. Noise was emanated from the construction site near the Central Piers at around 0900 hrs on 30 May 2013 and other days and requested follow up action by relevant department.	<p>1) RSS notify ET on 11 June 2013</p> <p>2) ET confirmed with the Resident Site Staff that According the information confirmed by RSS, major noise generating construction activities undertaken at works area near Central Pier during the concerned time include</p> <ul style="list-style-type: none">- Breaking up existing D-wall concrete and excavation at portion 4B and 4C- Sheet piling works at Portion VI (Man Kat Street) <p>3) Total 1 no. of Backhoe with breaker, 1 no. of Backhoe with vibratory hammer and 4 no.s of pneumatic breakers were deployed for the above construction activities.</p> <p>Reviewing the noise monitoring data at monitoring stations (M7e- International Finance Centre Eastern End of Podium and M7w- International Finance Centre Western End of Podium), no limit level exceedances were recorded during routine noise monitoring event on 28 May 2013 and 03 June 2013. As similar construction works activities conducted on 30 May 2013 was continued across the above monitoring period, the noise emanated from the construction activities under Contract HY/2009/18 was considered to complied with the statutory requirement.</p> <p>In addition, weekly environmental site inspection was conducted on 30 May 2013 at around 10:00. According to the inspection record, no particular observation regarding noise impact was recorded and the mitigation measures including erection of temporary noise barrier was observed in place.</p> <p>As such, no direct information associated with the noise concerned raised was considered available and no non-conformity was identified.</p> <p>4) ET recommend the contractor to review the need of additional noise mitigation measures to further reduce the noise enmated during construction works for pier side public area.</p>	<p>Interim report submitted to EPD on 19 June 2013,</p> <p>EPD advised no further comment on 5 Aug 2013 and final report for case closing submitted on 6 Aug 2013.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
131010	03 Oct 2013	ICC Ref. No.1-467000768	Area between Central Pier and International Finance Centre	Noise and air quality impact was experienced at the area located between IFC and Central Pier during peak hours.	<p>ET confirmed with the Resident Site Staff that</p> <p>1) The major construction activities at the concerned location conducted over the past three months include;</p> <ul style="list-style-type: none">- Formwork, rebar and concreting- Backfilling- Water-proofing- Scaffolding erection <p>2) Mitigation measures implemented by the Contractor for the above construction works include</p> <ul style="list-style-type: none">- Select quiet plant and work methods;- Check plant and equipment for condition;- For use of powered mechanical equipment during restricted hours: Obtain necessary Construction Noise Permit and strictly comply with their conditions;- Frequently spray water to major haul road and stockpiles to suppress dust generation; and- Cover stockpiles with impervious sheets <p>The construction activities including backfilling, concreting and other associated tunnel works were undertaken in the past three months. Having reviewing the monitoring data of the monitoring stations in the vicinity of the concerned location raised by the complainant, namely monitoring station M7e and M7w (Noise Monitoring Station) and MA1e and MA1w (Air Monitoring Station), no action or limit level exceedance was recorded.</p> <p>In addition, mitigations measures including water spraying and erection of noise barrier were observed during weekly site inspection in August and September 2013 and reminders on dust mitigations measures given during weekly site inspection to the contractor were rectified. As such, the construction activities under Contract HY/2009/18 were considered in compliance with the statutory requirement and no cumulative air/ noise quality impact was observed in the past three months.</p>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Elevated noise level at monitoring station M7e (International Finance Centre East Podium) was noted on 24 September 2013. The Contractor is recommended to review the current measures and to implement additional noise mitigation measures to further avoid potential impact to nearby public area during construction works.	
131217	16 Dec 2013	ICC Case Ref.: 1-484998552	Victoria Park near Hing Fat Street Exit	Sweeping of muddy water into public drains.	<p>ET confirmed with the Resident Site Staff that</p> <p>1)The major construction activities around the concerned location conducted on 16 Dec 2013 a.m.includes: -Preparation work of rootball for tree transplanting</p> <p>According to the information provided by RSS, the construction activities around the concerned location on 16 Dec 2013 include preparation work of rootball for tree transplanting at Zone 17/18.</p> <p>A further investigation on the complaint was conducted on 19 Dec 2013 during weekly environmental inspection. It was observed that a tree worksarea comprised of mainly loosen soil was located near the concerned location. It was considered that the inclined surface and loosen soil nature of the concerned worksarea could have led to the muddy surface runoff in rain. Deposition of muddy runoff onto nearby public pavement outside worksarea was hence resulted and was subsequently cleaned into nearby public stormwater drain by the Contractor’s workers on the complaint date. As such, the case was considered as works related.</p> <p>Sandbags, geotextile and gravels were immediately placed by the Contractor around the gullies at the concerned location to prevent leftover muddy runoff to the public stormwater drain as observed during the weekly inspection on 19 Dec 2013.</p> <p>With respect to the follow-up raised by the complainant on 19 Dec 2013, sandbags, geotextile and gravels placed at gullies located at public area were removed by the Contractor on the same day for maintaining passible public pavement. Follow up measures including sandbag bundle and covering of worksarea with impervious sheeting was immediately placed at the source of impact at the concerned worksarea boundary by the Contractor.</p>	Final investigation report issued on 20 Dec 2013. Case closed on 3 Jan 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
131224	24 Dec 2013	(ICC Case Ref.: 1-486434321	Victoria Park Children Playground	Odour and large amount of dust particles affecting the public user of the Victoria Park near Children playground	<p>ET confirmed with the Resident Site Staff that</p> <p>1) The major construction activities around the concerned location conducted on 24 Dec 2013 include:</p> <ul style="list-style-type: none">- Breaking up existing pillar box for new children playground Portion II- Pressing of sheet pile at bowling green for ELS works Portion XII- Welding work for preparation of sheetpiling work at bowling green Portion VI- Demolition of existing pavilion for bowling green Portion VI <p>-Felling of tree TA50 at Victoria Park Zone</p> <p>2) Mitigation measures implemented by the Contractor for the above construction works include</p> <ul style="list-style-type: none">-Water spraying for demolition and other dust generating works. <p>According to the relevant site records, breaking up of existing pillar box, pressing of sheet pile, welding work for preparation of sheetpiling demolition of existing pavilion and felling of tree TA50 at Victoria Park Zone 13 were conducted at the concerned location during the time of complaint.</p> <p>Based on information and photo record provided by the RSS, dust mitigation measures including water spraying during dust generating works were implemented by the Contractor at the concerned location on 24 Dec 2013.</p> <p>Follow-up investigation was conducted on 27 Dec 2013 during weekly environmental inspection, dust mitigation measures including water spraying to dusty area and major dust generation works were confirmed in place despite a general reminder was given to the contractor to enhance the water spraying to dusty haul road during dry season. Based on on-going site inspection and the follow-up investigation, the site condition was considered generally satisfactory and no non-conformance was identified.</p> <p>Upon further review on the supplementary information provided by the complainant on 31 Dec 2013 and investigation conducted on 2 Jan 2014, the tree felling work of tree TA50 was located nearest to the location of the complainant. According to the location plan provided by the RSS and on site investigation, the tree felling work</p>	Case closed and full investigation report issued on 3 Jan 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>for TA50 was immediately in front of the location of the complainant. Based on site observation, scrap material of bark and leaves inevitably generated from cutting of branches during tree felling work was considered to be the most probable cause for the observation raised by the complainant at the concerned location on 24 Dec 2013.</p> <p>Furthermore, welding work was observed near the concerned location and was considered to be the potential source for the smell and exhaust fumes as described by the complainant. Notwithstanding the above, welding work was not identified as a work activity with air quality impact under Project EIA report but it would be desirable to implement preventive measures to minimize potential nuisance to nearby public.</p>	
140123	22 Jan 2014	ICC Case Ref.:1-494077682	Causeway Bay Typhoon Shelter	<p>Construction works have been undertaken during restricted hours until 2300 hrs and occasionally the working hours were extended to around 0100 hrs at nighttime period over the last two to three months at a construction site located within Causeway Bay Typhoon Shelter. For instance, concreting and excavation works were conducted at the concerned location on 22 Jan 2014 during nighttime hours and generated noise impact to the complainant.</p>	<p>ET confirmed with the Resident Site Staff that No construction activity was undertaken at workzone TS1 under HY/2009/15 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. No construction activity was undertaken at workzone TS3 under HY/2010/08 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 1900 to 0000 hrs on 21 Jan 2014; Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating from 1900 to 0000hrs on 21 Jan 2014.</p> <p>Concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter from 0000 to 0700 hrs on 22 Jan 2014;</p> <p>Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were operating from 1900 to 0000hrs on 22 Jan 2014</p>	Case closed and full investigation report issued on 4 Feb 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to the relevant site records, from 1900-0000hrs on 21 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 8 no.s of concrete lorry mixers, 1 no. of water pump, 2 no.s of concrete pumps (lorry mounted), 1 no. of mobile crane QPME (diesel) and 3 no.s of vibratory pokers were operating at the above period.</p> <p>From 0000 to 0700 hrs on 22 Jan 2014, concreting for base slab and hanger wall was conducted at workzone TS2 under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 1. no of concrete lorry mixer, 1 no. of water pump, 1 no. of concrete pump (lorry mounted), 1 no. of vibratory poker were found operating at the above period.</p> <p>After reviewing relevant photo records and information verified by RSS and the Construction Noise Permit (CNP) no.GW-RS1384-13, it was considered that several conditions of CNP GW-RS1384-13 were not fulfilled by the Contractor in particular for the item(s) below,</p> <p>No acoustic installation was provided for the relevant PME(s) used as stated in CNP condition 3.d.during the concerned concreting works.</p> <p>From 1900 to 2300 hours on 21 Jan 2014, the PME(s) used on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13.</p> <p>From 0000 to 0700 hours on 22 Jan 2014, the PME(s) used by the Contractor on-site did not comply with any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in CNP no.GW-RS1384-13.</p> <p>From 1900 to 2300 hours on 21 Jan 2014 and from 0000 to 0700 hours on 22 Jan 2014, PME (Concrete Lorry Mixer) was deployed by the Contractor without barge enclosure and was unable to comply with condition 3.a. in CNP no.GW-RS1384-13.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140127	24 Jan 2014	ICC Case Ref.: 1-494612639	Works area adjacent to the Victoria Park Bowling Green	Noise generated from piling works conducted at the works area adjacent to the Victoria Park Bowling Green have created nuisance to the Bowling Green users.	<p>ET confirmed with the Resident Site Staff that The major construction activities around the concerned location conducted on 23 Jan 2014 include:</p> <p>Pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works on 23 Jan 2014. Splicing of sheetpile Ch.275-285 (LHS) for ELS works on 23 Jan 2014.</p> <p>Mitigation measures implemented by the Contractor for the above construction works include:</p> <p>Installation of acoustic panels along hoarding line at East Bowling Green; Installation of addition noise barriers on top of hoarding at East Bowling Green; Display of publicity notices along hoarding line; and No noisy work shall be carried out at the areas adjoining East Bowling Green as if there is any Bowling Green competition event to be held (i.e. Saturday afternoon).</p> <p>According to relevant site records, pressing of sheetpile Ch.279-285 (RHS) and Ch.317 for ELS works and splicing of sheetpile Ch.275-285 (LHS) for ELS works were conducted at the concerned location during the time of complaint.</p> <p>Based on the photo records and information verified by RSS, noise mitigation measures including installation of acoustic panels along hoarding line at East Bowling Green and installation of addition noise barriers on top of hoarding at East Bowling Green were implemented by the Contractor at the concerned location. Furthermore, no noisy work was conducted by contractor at the areas adjoining</p>	Case closed and full investigation report issued on 6 Feb 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>East Bowling Green when there is any Bowling Green competition event to be held.</p> <p>Follow-up investigation was conducted on 29 Jan 2014 during weekly environmental inspection, noise mitigation measures including noise barriers and acoustic panels were confirmed in place and maintained in good condition. According to previous environmental inspections recorded in Jan 2014, no particular observation regarding the noise impact was recorded. As such, no non-conformity was identified.</p>	
140311	27 Feb 2014	EPD Complaint Case (Ref:H04/RS/00 04232-14) received by ET on 11 March 2014	Central IFC Area	Excessive noise (from the operation of compressors, other heavy machinery and concrete breaking) was emanated from the construction site near IFC in daytime on 27 Feb 2014.	<p>ET confirmed with the Resident Site Staff that the major construction activities at the concerned location conducted on 27 Feb 2014 (Daytime) include:</p> <ul style="list-style-type: none"> Backfilling works between north wall and sheetpiles and for roof slab; Site hoarding removal; Formwork erection and removal works, falsework erection; Concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner; Concreting works for profile barrier inside cut and cover tunnel; and Rebar fixing works and WVB basement remediation works. <p>Mitigation measures implemented by the Contractor for the above construction works include:</p> <ul style="list-style-type: none"> Use of quiet plants (air compressor with a Noise Emission Label of 99 dB(A)). 	<p>Interim report submitted to EPD on 18 March 2014,</p> <p>EPD advised no further comment on 26 March 2014 and final report for case closing issued on 26 March 2014</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to relevant site records, major noise emanating construction activities conducted around the concerned location on 27 Feb 2014 include concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner and concreting works.</p> <p>Based on information verified by the RSS, noise mitigation measure including utilization of quiet air compressor with noise emission label of 99 dB(A) was implemented by the Contractor on the 27 February 2014 to minimize the potential noise impact.</p> <p>Having reviewed the monitoring data of the monitoring stations in the vicinity of the construction site near IFC, namely noise monitoring stations M7e and M7w, no limit level exceedances were recorded on 24 Feb 2014 and 4 March 2014 and the major concrete breaking works at the concerned location conducted on 27 February 2014 was continued across the above monitoring period. In addition, no particular observations regarding noise impact were recorded during weekly site inspection conducted on 27 Feb 2014. No non-conformity was identified. As such, the construction activities under Contract HY/2009/18 were considered generally in compliance with the statutory requirement.</p> <p>Nevertheless, in view of the concern regarding noise nuisance raised by public, it is considered desirable for the Contractor to review and strengthen the noise mitigation measures around the concerned location.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 March 2014, additional noise mitigation measure including erection of noise blanket for concrete breaking works were implemented by the Contractor to further minimize the noise nuisance to nearby public</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
140623	11 June 2014	EPD Complaint Case (Ref:H04/RS/00 013590-14) received by ET on 23 June 2014	Foot Bridge to Central Pier 7	Excessive Paint Spray Odour	<p>A public complaint regarding odour concern referred by EPD was received by ET on 23 June 2014.</p> <p>The complainant reported that excessive paint spray odour was detected at the foot-bridge to the Central Pier 7.</p> <p>ET confirmed with the Resident Site Staff that spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705 was conducted at roof slab Bay12 on 11 June 2014 and</p> <p>Screeding concrete placing from Ch1700 to Ch1683 was conducted at roof slab Bay12 on 11 June 2014 and</p> <p>Backfilling and removal of concrete blocks was conducted at roof slab Bay 11 and Bay 10-north on 11 June 2014</p> <p>According to relevant site records, major construction activities conducted around the concerned location on 11 June 2014 include spraying of waterproofing membrane (integritank) from Ch1700 to Ch1705; screeding concrete placing from Ch1700 to Ch1683 and backfilling and removal of concrete blocks. Having reviewed the relevant information verified by RSS, the chemicals applied at the concerned area on 11 June 2014 are waterproof paint and paint adhesives.</p> <p>In view of the concern regarding odour nuisance raised by the public, it is considered desirable for the Contractor to review the application method for waterproof layer nearby public area to minimize the nuisance caused to the surroundings.</p>	<p>Preliminary report issued on 25 June 2014.</p> <p>Interim report submitted to EPD on 30 June 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Follow-up inspection was conducted during weekly environmental inspection on 26 June 2014, no further spraying works was conducted by the Contractor at the concerned area and no particular odour was observed at the concerned location.	
20140723	21 July 2014	ICC complaint (ICC Case Ref.: 2-341537112) received by ET on 23 July 2014	Area opposite to Ngan Tao Building	Noise nuisance due to works and machine at opposite project site during nighttime	<p>A public complaint regarding construction noise impact referred by RSS was received by ET on 25 July 2014 (ICC Case Ref.: 2-341537112 dated 21 July 2014). The complainant reported that :</p> <p>At 00:57hrs on 21 July 2014, he could not sleep due to work and machine at the project site opposite to the building (Ngan Tao Building), where he was living, were still going on and in operation. Noise traveled to his flat despite it was some distance away.</p> <p>ET confirmed with the Resident Site Staff that dewatering works was conducted under HY/2009/19 at the works area at Watson Road from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014. Total 1 no. of generator and 23 nos. of dewatering pumps were in operation. Mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation.</p> <p>According to the relevant site records under Contract HY/2009/19, from around 23:00hrs on 20 July 2014 to 01:00hrs on 21 July 2014, dewatering works was conducted under HY/2009/19 at the works area at Watson Road. Total 1 no. of generator and 23 nos. of dewatering pump were in</p>	<p>Final Investigation report (Issue1) issued on 31 July 2014.</p> <p>Final investigation report (Issue 2) based on further follow-up issued on 12 Aug 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>operation at the above period.</p> <p>In addition, mobilization of telescopic arm excavator to trailer truck was performed under HY/2009/19 at the works area at Watson Road from around 00:15hrs to 01:00hrs on 21 July 2014. Total 1 no. of telescopic arm excavator and 1 no. of trailer truck were in operation.</p> <p>After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered that the below condition of CNP no.GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19.</p> <p>From 00:15hrs to 01:00hrs on 21 July 2014, the PME(s) (1 no. of telescopic arm excavator and 1 no. of trailer truck) operated under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no.GW-RS0152-14.</p> <p>Notwithstanding the above, according to the information provided by the RSS, the telescopic arm excavator was mobilized at night time hours with consideration that passage of vehicle with large plant & machinery through cross harbour tunnel shall be conducted after mid-night.</p> <p>the Contractor of HY/2009/19 was advised to review the need to renew relevant CNP for PME grouping with respect to specific site operation requirements such that the Construction Noise Permit would be followed. Furthermore, the Contractor of HY/2009/19 was suggested to review the arrangement for PME mobilization with maintenance need to be conducted within specific period allowed under the relevant CNP(s).</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20140801	30 July 2014	ICC complaint (ICC Case Ref.: 2-360638977) received by ET on 01 August 2014	Area opposite to Harbour Heights	Noise of sand and gravel movements at area opposite to the Harbour Heights	<p>A public complaint regarding construction noise impact referred by RSS was received by ET on 01 Aug 2014 (ICC Case Ref.: 2-360638977 dated 31 July 2014). The complainant reported that at 01:20hrs on 30 July 2014, the complainant was woken up by the noise of sand and gravel movements at area opposite to the Harbour Heights.</p> <p>ET confirmed with the Resident Site Staff that EVB excavation was undertaken at the works area around Watson Road under HY/2009/19 before 23:00hrs on 29 July 2014. (Total 1 no. of excavator, 1 no. of dump truck, 23 nos. of underground dewatering pump and 3 nos. of generator were in operation).</p> <p>Dewatering works was undertaken at works area around Watson Road under HY/2009/19 from 23:00hrs on 29 July 2104 to 01:00 hrs on 30 July 2014. (Total 23 nos. of underground dewatering pumps and 1 no. of generator were in operation).</p> <p>Mobilization of PMEs was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. (1 no. of excavation machine and 1 no. of dump truck were in operation). No other construction activity or operation was performed at the area opposite to Harbour Heights from 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014 under HY/2009/19.</p> <p>According to the relevant site records, before 2300hrs on 29 July 2014, EVB excavation at the works area around Watson Road was conducted under HY/2009/19. (Total 1 no. of dump truck , 1 no. of excavator, 3 nos. of generators and 23 nos. of dewatering pumps were in operation at the</p>	Final investigation report issued on 12 Aug 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>above period).</p> <p>From around 23:00hrs on 29 July 2014 to 01:00hrs on 30 July 2014, dewatering works at works area around Watson Road was conducted under HY/2009/19. Total 23 nos. of dewatering pumps were operating at the above period.</p> <p>In addition, mobilization of PMEs was performed at works area around Watson Road under HY/2009/19 from 00:45hrs to 01:30hrs on 30 July 2014. Total 1 no. of excavation machine and 1 no. of dump truck were in operation. After reviewing relevant records and information verified by RSS and the Construction Noise Permit (CNP) no. GW-RS0152-14, it was considered the below condition of CNP GW-RS0152-14 was not fulfilled by the Contractor of HY/2009/19. From around 00:45hrs to 01:30hrs on 30 July 2014, the operation of PME(s) (1 no. of excavator and 1 no. of dump truck) under the Contractor of HY/2009/19 on-site could not follow any given PME grouping requirement(s) as stated in condition 3.a. and condition 3.d. in no. GW-RS0152-14.</p> <p>Notwithstanding the above, according to the information provided by the RSS, the excavator and dump truck were mobilized away from the edge of the temporary ELS structure towards the area opposite to the Harbour Heights after 23:00hrs under safety consideration.</p> <p>The Contractor of HY/2009/19 was advised to review the arrangement and location for retaining and securing PME(s)/ plants to minimize the movements of PME or plants after completion of works such that the Construction Noise Permit would be followed.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20140929	26 Sep 2014	ICC complaint (ICC Case Ref.: 2-466911619) received by ET on 29 September 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>A public complaint regarding visual impact referred by RSS was received by ET on 29 September 2014 (ICC Case Ref.: 2-466911619 dated 26 September 2014)</p> <p>The complainant reported that on 26 September 2014 at around 00:50hrs, light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance.</p> <p>ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound.</p> <p>The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p>	Final Investigation report submitted on 9 October 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p> <p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141006	25,26 Sep 2014	ICC complaint (ICC Case Ref.: 2-469099657) received by ET on 06 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>A public complaint regarding visual impact referred by RSS was received by ET on 6 October 2014 (ICC Case Ref.: 2-469099657 dated 26 September 2014). The complainant reported that on 25 September 2014 night and on 26 September 2014 at around 23:23 hrs, light originating from the flyover under Central-Wan Chai Bypass Project was emitted towards City Garden direction and caused light nuisance.</p> <p>ET confirmed with the Resident Site Staff that the light emission on 25 and 26 September 2014 at the concerned area was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>According to the relevant information provided by RSS, the light emission on 25 and 26 September 2014 at the concerned location was originated from the temporary lighting provided at the soffit of the permanent noise enclosure at the new Island Eastern Corridor Eastbound.</p> <p>The lighting was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after traffic diversion on 28 September 2014. Nevertheless, in view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p>	Final Investigation report submitted on 9 October 2014.



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					<p>Follow-up inspection was conducted during weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented by the Contractor of HY/2009/19, the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p> <p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings and the Contractor of HY/2009/19 will replace the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20141010	07 Oct 2014	ICC complaint (ICC Case Ref.: 2-487376144) received by ET on 10 October 2014	IEC flyover opposite to City Garden	Light originating from the flyover under Central-WanChai Bypass Project was emitted towards City Garden direction and caused light nuisance	<p>ET confirmed with the Resident Site Staff that temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014.</p> <p>Temporary lighting was provided at the concerned area at the soffit of the permanent noise enclosure at the new Island Eastern Corridor (IEC) Eastbound which was necessary to provide sufficient illumination for the traffic operation on the new IEC Eastbound after the traffic diversion on 28 September 2014. In view of the public concern regarding light nuisance raised by the public, it is considered desirable for the Contractor to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surrounding receivers as far as practicable.</p> <p>During weekly environmental inspection on 8 October 2014, additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure to minimize the nuisance caused to the surroundings. Further to the interim measure implemented, on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	Final investigation report submitted on 14 Oct 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>The Contractor of HY/2009/19 was suggested to review the lighting arrangement and implement additional measures to minimize the nuisance caused to the surroundings receivers as far as practicable.</p> <p>Additional measures including erection of green net and tarpaulin sheet were provided by the Contractor of HY/2009/19 at the concerned area as interim measure and on 13 October 2014 the Contractor of HY/2009/19 have replaced the concerned temporary lighting with temporary lighting facing Victoria Harbour at the other side of the road to minimize the light nuisance to the surroundings.</p>	
141016	14 Oct 2014	EPD complaint EPD Ref.:H05/RS/00 025795-14) received by ET on 16 October 2014	work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	Construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 16 October 2014 (EPD Ref.: EP860/E2/24 Annex IV dated 16 October 2014).</p> <p>The complainant reported that construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.</p> <p>ET confirmed with the Resident Site Staff that From 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.</p> <p>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p>	<p>Updated interim investigation with supplementary information submitted to EPD on 17 November 2014.</p> <p>EPD advised no further comment on the updated interim report and case closed on 27 Nov 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.</p> <p>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p> <p>From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation.</p> <p>From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation.</p> <p>According to the relevant site records under Contract HK/2009/02, from 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p> <p>From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation.</p> <p>From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation.</p> <p>In view of the above findings, no direct information associated with the noise concern was considered available.</p>	
20141108	07 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00027 815-14) received by ET on 10 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.	<p>A public complaint regarding odour concern referred by EPD was received by ET on 07 November 2014 (EPD Ref.: H05/RS/00027815-14 dated 10 November 2014).</p> <p>The complainant reported that Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.</p> <p>ET confirmed with the Resident Site Staff that ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool).</p> <p>Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated.</p> <p>Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier.</p> <p>Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.</p>	<p>Interim investigation report submitted to EPD on 17 November 2014.</p> <p>EPD advised no comment on the interim report and case closed on 1 Dec 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Dredging works was conducted on 7 November 2014 during daytime at WCR3 (East of old Wan Chai Ferry Pier)</p> <p>Total 1 no. of dredger, 1 no. of hopper and 1 no. of tug boat were operated.</p> <p>According to the relevant site records under Contract HK/2009/02, ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool). Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated. Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site. The condition of chemical waste storage was considered satisfactory and no malodour was identified. Despite no information related to malodour was identified, the Contractor was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.</p> <p>Based on the relevant information provided by RSS, despite no information associated with the malodour concern was identified after investigation, the Contractor was reminded to conduct regular checking on the condition of PME used on site to ensure only well maintained PME are used on site</p> <p>The interim report would be submitted to EPD on 17 November 2014.</p>	



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20141113	12 Nov 2014	EPD complaint (EPD Ref.: H05/RS/00028 253-14) received by ET on 13 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians.	<p>A public complaint regarding odour concern referred by EPD was received by ET on 13 November 2014 (EPD Ref.: H05/RS/00028253-14 dated 13 November 2014). The complainant reported that Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians. (Contract HK/2009/02)</p> <p>ET confirmed with the Resident Site Staff that demolition works was conducted under Contract HK/2009/02 on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated.</p> <p>According to the relevant site records under Contract HK/2009/02, demolition works was conducted on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated.</p> <p>In addition, investigation found that due to malfunctioning of one of the excavators deployed at old Wan Chai Ferry Pier, dark smoke was emitted from the defective excavator for a short period of approximately 30 seconds at around 15:00 hrs on 12 November 2014. The operation of excavator was immediately suspended and followed by repair works. The normal operation of the excavator was resumed after repair.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on-site and the Contractor of HK/2009/02 was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.</p>	<p>Interim investigation report submitted to EPD on 19 November 2014.</p> <p>EPD advised no comment on the interim report and case closed on 8 Dec 2014.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
20150127	21 Jan 2015	EPD complaint (EPD Ref.: H05/RS/00001 725-15) received by ET on 27 January 2015 and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015	A portion of Hung Hing Road immediately to the east of Marsh Road near SPCA	Construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.	<p>A public complaint regarding air quality impact referred by EPD was received by ET on 27 January 2015 (EPD Case Ref.: H05/RS/00001725-15 dated 27 January 2015) and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015. The complainant reported that construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.</p> <p>ET confirmed with the Resident Site Staff that the major construction activities around the concerned location conducted on 21 January 2015 include breaking of seawall blocks and D-wall at TPCWAW; concreting, grouting and drilling works at TPCWAW;reclamation/ backfilling works at TPCWAW</p> <p>Mitigation measures implemented by the Contractor for the above construction works include spraying haul road with water; covering bagged cement with tarpaulin; providing three sided and top covering for grouting stations; providing water spraying to dusty activities such as breaking works</p> <p>According to the relevant site records, breaking of seawall blocks and D-wall, concreting, grouting and drilling works and reclamation/ backfilling works were conducted at TPCWAW. Dust mitigation measures including spraying haul road with water, covering bagged cement with tarpaulin, providing three sided and top covering for grouting stations and water spraying to dusty activities such as breaking works were implemented by the Contractor of HY/2009/15 near the concerned location on 21 January 2015.</p>	Interim report submitted to EPD on 9 February 2015, EPD advised no comment on 27 February 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Follow-up investigation was conducted on 27 January 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works; and provision of three sides and top covering for grouting station were confirmed in place.</p> <p>In addition, based on the review of the monitoring data of the monitoring station located at the concerned location raised by the complainant, namely monitoring station CMA3a , no action or limit level exceedance was recorded during air quality monitoring conducted on 20 and 21 January 2015. Nevertheless, the Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on the complaint date was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants.</p> <p>As such, the site condition under Contract HY/2009/15 at the concerned location was considered to be generally satisfactory and no non-conformity related to cumulative air quality impact was observed. Nevertheless, in view of the public concern, the contractor was reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.</p> <p>ET confirmed with the Resident Site Staff that the major construction activities under Contract HK/2009/02 around the concerned location conducted on 21 January 2015 include trenching grabbing for D-wall construction at temporary road eastward, shear pin installation at temporary road westward and ground Investigation drilling at temporary road westward</p>	



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					<p>Mitigation measures implemented by the Contractor of HK/2009/02 for the above construction works include regular water spraying at haul road, vehicle wheel-washing at the ingress/egress (Gate No. 4) to the temporary road, hard paving at the works area at temporary road northward and frequent water spraying at the ingress/egress (Gate No. 4) to the temporary road.</p> <p>According to the relevant site records, trenching grabbing for D-wall construction, shear pin installation and ground investigation drilling works were conducted at the concerned location. Dust mitigation measures including water spraying for haul road, vehicle wheel washing and hard paving for a section of works area nearby public road were implemented by the Contractor of HK/2009/02 near the concerned location on 21 January 2015.</p> <p>Follow-up investigation was conducted on 5 February 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works and provision of wheel washing combine with cleaning of public road were confirmed in place and no dust related impact from the construction works was observed. The Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on 21 January 2015 was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants. Based on reviewing relevant impact monitoring data, elevated TSP were recorded at monitoring stations across Wan Chai West area to North Point area and a non-Project related exceedance was recorded at nearby monitoring station CMA4a (at SPCA) on 21 January 2015 due to ambient air pollutant.</p>	



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					<p>In addition, it was noted that a section of the works area at the concerned location was not provided with site hoarding. Based on further review on relevant records it was noted that the works area at concerned section was either hard paved or have to maintain adequate line of sight due to traffic safety consideration. The Contractor of HK/2009/02 was advised to inform EPD with respect to the site constraint and provide relevant updated meeting records on the arrangement for review.</p> <p>In view of the public concern, the contractor has committed to conduct additional cleaning of the concerned public road section once a week to minimize potential nuisance caused to nearby road users. The contractor was also reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.</p>	
20150409	07 April 2015 09 April 2015	EPD complaint (Ref.:H05/RS/00008074-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site exit near Expo Drive Central; Construction site gate V2 & gate V8	Construction dust was generated from lorries transporting out of the construction via site exit without wheel washing	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00008074-15 dated 9 April 2015). The complainant reported that: Construction dust was generated from lorries transporting out of the construction via site exit near Expo Drive Central without wheel washing at the morning of 7 April 2015. Lorries were also found transporting out of the construction site via gates V2 and V8 without wheel washing and causing dust nuisance at about 10:30 hours on 9 April 2015.</p> <p>ET confirmed with the Resident Site Staff that on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p>	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



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					<p>2. On 9 April 2015, major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p> <p>Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include water hose was provided for wheel washing at Gate V2 and Gate V8, concrete paving at site exit, dump truck fitted with mechanic cover and cleaned before leaving construction site, regular street washing at Expo Drive Central.</p> <p>According to the relevant site records under Contract HK/2009/01, on 7 April 2015, major vehicle movements included oil tanker passing at Gate V2 at Expo Drive East and dump truck passing at Gate V8 at Expo Drive Central under Contract HK/2009/01 while on 9 April 2015 major vehicle movements include oil tanker, crane lorry and dump truck passing at at Gate V2 at Expo Drive East and dump truck at Gate V8 at Expo Drive Central under Contract HK/2009/01.</p> <p>At the above locations, mitigation measures including water hose for wheel washing at Gate V2 and Gate V8; concrete paving at site exit; dump truck fitted with mechanic cover and cleaned before leaving construction site and regular street washing at Expo Drive Central were generally adopted by the Contractor of HK/2009/01.</p> <p>In view of the public concern on the complaint date, the Contractor of HK/2009/01 was advised to conduct cleaning at the concerned site exit point and the section of public road adjoining the site exit to clear any residue grit and silt desposit to avoid further dust impact.</p>	



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					<p>Follow up inspection was conducted on 16 April 2015 during weekly environmental inspection and mitigation measures including water spraying for dusty haul road and provision of wheel washing were in place. The construction site exit was observed clear from residue silt / grit at the concerned location.</p> <p>In view of the public concern, the contractor was advised to conduct training to the construction site workers to enhance the effectiveness of wheel washing and to ensure proper wheel washing is provided for dump truck and other vehicle prior to leaving the construction site to avoid generating any dust nuisance.</p>	
20150409A	03 April 2015 to 07 April 2015	EPD complaint (Ref.:H05/RS/00007861-15 dated 9 April 2015) received by ET on 09 April 2015	Construction site at Convention Avenue near Renaissance Harbour View Hotel	Construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 09 April 2015 (EPD Ref.:H05/RS/00007861-15 dated 9 April 2015). The complainant reported that construction noise was emanated from the construction site at Convention Avenue near Renaissance Harbour View Hotel during the period of Easter Holiday, including April 3 at about 13:00 hours.</p> <p>ET confirmed with the Resident Site Staff that from 3 April 2015 to 7 April 2015, from 08:00 hours to 18:00 hours, and at about 13:00 hours on 3 April 2015 at area CWB Tunnel Stage 3, backfilling works was conducted under HK/2009/01. Either 1 no. of dump truck and 1 no. of excavator was operated on site at each given time during the concerned period.</p> <p>According to the relevant site records under Contract HK/2009/01, from across 08:00hrs to 18:00hrs during the period from 3 April 2015 to 7 April 2015, backfilling works was conducted under Contract HK/2009/01 at CWB Tunnel Stage 3. Either 1 no. of dump truck and 1 no. of excavator was operated on site at each given time during the</p>	Interim report submitted to EPD on 17 April 2015, EPD advised no comment on 30 April 2015 on the interim report submitted and case closed.



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					<p>concerned period and the relevant Construction Noise Permit GW-RS0104-15 for the works was in place and the same construction activity was undertaken at around 13:00hrs on 3 April 2015. No other concurrent construction activity was undertaken at the concerned location during the concerned period under Contract HK/2009/01. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement.</p> <p>Nevertheless, in view of the concern regarding the noise nuisance raised by the public at the concerned location, it is considered desirable for the Contractor of HK/2009/01 to review the truck unloading procedures of the specific construction task to minimize potential noise emanated during the course for work.</p>	
20150415	13 April 2015	ICC complaint case (ICC Case Ref.: 2-885677297 dated 13 April 2015) received by ET on 15 April 2015	Construction Site at Causeway Bay Typhoon Bay Shelter	Unnecessary light nuisance from the construction site	<p>A public complaint regarding visual impact received by the RSS was referred to the ET on 15 April 2015 (ICC Case Ref.: 2-885677297 dated 13 April 2015). The complainant reported that " I live in a building next to Gloucester Road in Causeway Bay. Recently, I am suffering from unnecessary light source from the construction site. The banners of the construction companies are always illuminated with very bright lights."</p> <p>ET confirmed with the Resident Site Staff that the concerned lighting for the banners was maintained under Contract HY/2010/08.</p> <p>The concerned lighting for the banners was maintained under Contract HY/2010/08 and the concerned lighting was subsequently switched off at all times since 13 April 2015 to alleviate the lighting nuisance caused to the surroundings.</p>	Final Investigation report issued on 20 April 2015 and case closed



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20150423	21 April 2015	EPD complaint case (EPD Case Ref: :H05/RS/00009456-15 dated 23 April 2015) received by ET on 23 April 2015	Road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel	Construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel causing nuisance	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 23 April 2015 (EPD Ref.:H05/RS/00009456-15 dated 23 April 2015). The complainant reported that construction noise emanated from the road work at Fleming Road and Convention Avenue near Renaissance Harbour View Hotel almost every night recently causing nuisance.</p> <p>ET confirmed with the Resident Site Staff that from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation.</p> <p>According to the relevant site records under Contract HK/2009/01, from 21:00hrs on 20 April 2015 to 06:00hrs on 21 April 2015 and from 21:00hrs on 21 April 2015 to 06:00hrs on 22 April 2015, cooling main connection works was undertaken by the Contractor of Contract HK/2009/01 at the concerned location. Total 1 no. of crane lorry and 1 no. of excavator were in operation during the concerned period and the relevant Construction Noise Permit GW-RS0269-15 was confirmed in place. The construction activity conducted under Contract HK/2009/01 during the concerned period was in compliance with the statutory requirement. In view of the potential noise nuisance, a notice to affected parties was issued by the Contractor of Contract HK/2009/01 to the nearby residents including Renaissance Harbour View Hotel on 17 April 2015. Besides, construction works undertaken by other parties at the concerned location was observed at the concerned period.</p>	Final Investigation report issued on 18 May 2015 and case closed



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20150601	29 May 2015	EPD complaint case (EPD Case Ref: :H05/RS/00013254-15 dated 1 June 2015) received by ET on 23 April 2015	Construction site gates V2 and V3 near Expo Drive Central	Vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 01 June 2015 (EPD Ref.:H05/RS/00013254-15 dated 1 June 2015). The complainant reported that vehicle with plate no. TG2426 was found leaving the construction site at gate V2 near Expo Drive Central without wheel-washed at about 10:33hrs on 29 May 2015. The complainant also alleged that water spraying at the gates V2 and V3 near Expo Drive Central was insufficient causing dust nuisance to the public.</p> <p>ET confirmed with the Resident Site Staff that on 29 May 2015, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3.</p> <p>Mitigation measures adopted by the Contractor of HK/2009/01 at the above locations include, water hose was provided for wheel washing at Gate V2 and Gate V3.</p> <p>According to the relevant site records under Contract HK/2009/01, vehicle record indicated that concerned vehicle TG 2426 has entered and exited the construction site via gate V3 on 29 May 2015 under Contract HK/2009/01. As confirmed by WDII RSS, the concerned construction site Gate V2 and Gate V3 have been closed from 31 May 2015 and formed part of the construction site area.</p> <p>Follow up inspection was conducted on 3 June 2015 during weekly environmental inspection and mitigation measures including wheel washing were implemented at construction exit gates around the concerned location despite a vehicle was observed leaving the construction site via Gate V8 without wheel washing. The Contractor was immediately advised to review and strengthen the control measures for vehicle exits to ensure wheel washing are provided for exiting vehicles.</p>	Interim report submitted to EPD on 08 June 2015, EPD advised no comment on 22 June 2015 on the interim report submitted and case closed.



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					In view of the public concern and the site observation, the Contractor of HK/2009/01 has implemented enhanced site exit control measures using red string to alert drivers to stop their vehicles for cleaning before leaving the construction site and wheel washing facilities including water hose were implemented at Gate V1 and Gate V10 around the concerned location and the vehicle gate V8 was subsequently closed. In addition, removal of spoil arising from wheel washing around site exit location would be conducted by the Contractor of HK/2009/01 as appropriate to alleviate for potential dust impact at construction site exits.	
20150608	04 June 2015	EPD Ref.:H05/RS/0013843-15 dated 8 June 2015	A portion of construction site of Contract HK/2012/08 outside Fleet Arcade	Construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays.	<p>A public complaint regarding construction noise impact referred by EPD was received by ET on 8 June 2015 (EPD Ref.:H05/RS/00013843-15 dated 8 June 2015). The complainant reported that construction noise was generated from the construction site of Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays.</p> <p>ET confirmed with the Resident Site Staff that from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 at site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation.</p> <p>According to the relevant site records under Contract HK/2012/08, from 08:00hrs to 18:00hrs on 31 May 2015 (Sunday), construction work including steel welding was conducted under Contract HK/2012/08 site portion zone A1 opposite to Fleet Arcade. Total one welding machine was in operation and the relevant Construction Noise Permit GW-RS0296-15 was confirmed in place. The construction activity conducted under Contract</p>	Interim report submitted to EPD on 16 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.



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					<p>HK/2012/08 during the concerned period was in compliance with the statutory requirement. Ad-hoc inspection was conducted during weekly environmental inspection on 9 June 2015 and it was noted that Construction Noise Permits under Contract HK/2012/08 were posted at site entrance locations for public inspection.</p> <p>In view of the potential noise nuisance, the Contractor was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance. Besides, other construction sites at the concerned location were observed.</p> <p>Furthermore, a meeting was held on 15 June 2015 between the EPD, Contractor of HK/2012/08, WDII RSS team and the Environmental Team on the public concern and the Contractor of HK/2012/08 has committed to review the re-application for the Construction Noise Permits GW-RS0223-15 and GW-RS0296-15 on usage of PMEs at a portion of site area outside the Fleet Arcade during public holiday including Sundays to minimize for the potential noise nuisance to nearby public.</p>	
150622	18 June 2015	EPD Ref.:H05/RS/00015054-15 dated 22 June 2015	A mooring location near shore and at location outside Wan Chai Sports Ground	Dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site	A public complaint regarding dark smoke and malodour concern referred by EPD was received by ET on 22 June 2015 (EPD Ref.: H05/RS/00015054-15 dated 22 June 2015). The complainant reported that dark smoke and malodour emission was observed from a hopper barge moored near shore and other construction plants under operation from the reclamation construction site with Contract no. HK/2009/02 at location outside Wan Chai Sports Ground caused air pollution. The complainant alleged that the said situation had been observed for a prolonged period.	Interim report submitted to EPD on 29 June 2015 and EPD advised no comment on 20 July 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>ET confirmed with the Resident Site Staff that reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 from 15 June 2015 to 19 June 2015. Total 3 nos. of mobile crane were in operation. On 17 June 2015, one no. of concrete pump truck and two nos. of concrete mixer were in operation. Excavation and Lateral Support was conducted at Portions 3 & 4 from 15 June 2015 to 19 June 2015. Total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. In addition, on 15 June 2015, 17 June 2015 and 19 June 2015, 1 no. of derrick barge was moored near Portions 3 & 4 for transportation of the excavated material away from site.</p> <p>According to the relevant site records under Contract HK/2009/02, from 15 June 2015 to 19 June 2015, reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 and total 3 nos. of mobile crane, one no. of concrete pump truck (on 17 June 2015 only) and two nos. of concrete mixer (on 17 June 2015 only) were in operation; excavation and lateral support was conducted at Portions 3 & 4 and total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. Based on relevant site record, no hopper barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 near Portions 3 & 4 for transportation of the excavated material from Portions 3 & 4 away from site on 15 June 2015, 17 June 2015 and 19 June 2015 respectively.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 25 June 2015, no dark smoke and malodour emission was observed from the PMEs operating on-site. A derrick barge was</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					observed moored near Portions 3 & 4 and excavated material was transferred to the derrick barge by the excavators on land without barge operation and no particular dark smoke and malodour emission was observed. Nevertheless, the Contractor was reminded to conduct regular checking on the condition of the derrick barge and other PMEs deployed on site to ensure only well maintained PMEs are used to avoid potential dark smoke and maldour emission affecting nearby public.	
150714	11 July 2015	ICC Complaint (Ref:#2-1149562777) referred by RSS was received by ET on 14 July 2015	A portion of site area adjacent to Hing Fat Street Site entrance	Direct discharge of muddy effluent into marine waters	<p>A public complaint regarding direct discharge of muddy effluent referred by RSS was received by ET on 14 July 2015 (ICC Ref.: #2-1149562777). The complainant reported that:</p> <p>Muddy effluent was directly discharged into nearby marine waters by Chun Wo worker. Further information was received by ET from RSS on 23 July 2015 and the complaint date was clarified to be 11 July 2015 and the concerned vehicle registration number shall be JV 7319.</p> <p>ET confirmed with the Resident Site Staff that no construction works was undertaken by the Contractors HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015.</p> <p>No construction works was undertaken by the Contractor of HY/2009/19 and adjacent Central WanChai Bypass Project construction site at the concerned location on 11 July 2015 and the concerned vehicle (License Plate JV 7319 labelled as Chun Wo) was confirmed not belonging to the Contractor of HY/2009/19.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 14 July 2015, no direct discharge connection was further observed on site.</p>	Updated Final investigation report submitted on 27 July 2015.



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					<p>No construction works was undertaken by Central WanChai Bypass Project at the concerned location and no sump pit or works area under Central WanChai Bypass Project associated with potential muddy effluent discharge was identified. In addition, a construction area with excavated pit under WSD Contract 12/WSD/10 was noted at the concerned location behind the alleged vehicle responsible for direct discharge of muddy effluent.</p> <p>Based on the further review on the information received on 23 July 2015, the alleged direct discharge was observed originating from the works area under WSD Contract 12/WSD/10 and not related to the Central Wan Chai Bypass Project construction works.</p>	
150723	20 July 2015	EPD Ref.:H05/RS/0018040-15 dated 23 July 2015	Ex-Wanchai Ferry Pier near 720 & 722 Bus stop	Malodour from marine sediment	<p>A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015).</p> <p>The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 & 722 bus stop. (Contract HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015.</p> <p>According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date.</p>	Interim report submitted to EPD on 30 July 2015. EPD advised no comment on 17 August 2015 on the interim report submitted and case closed.



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					<p>Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location.</p> <p>Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.</p>	
150904	01 Sept 2015	EPD Ref.: H05/RS/0002 2241-15 dated 04 September 2015 received by ET on 4 September 2015	East of New WanChai Ferry Pier	Dropping of excavated material from land to sea during loading of material	<p>A public complaint regarding dropping of excavated material from land to sea referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H05/RS/00022241-15 dated 04 September 2015). The complainant reported that dropping of excavated materials from land to sea during loading of materials by excavator at the construction site to work boat. (Contract HK/2009/02)</p> <p>ET confirmed with the Resident Site Staff that transferring of C&D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was undertaken by Contract HK/2009/02 on 01 September 2015.</p> <p>Mitigation measure including providing tarpaulin sheet to cover the gap between seawall and the hopper barge to prevent dropping of material to the sea was implemented by the Contractor.</p> <p>According to the relevant site records under Contract HK/2009/02, transferring of C&D materials from land to hopper barge by excavator at seaside along CWB Tunnel Portions 3 and 4 was carried out on 01 September 2015 and mitigation measures including provision of tarpaulin sheet between</p>	Interim report submitted to EPD on 14 September 2015. EPD advised no comment on 5 October 2015 on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>seawall and the hopper barge was implemented by the Contractor of HK/2009/02 on the concerned date. Follow-up inspection was conducted during weekly environmental inspection on 10 September 2015. Transferring of C&D materials from land to barge by excavator was observed at the concerned location and mitigation measures including provision of tarpaulin sheet between seawall and hopper barge and the material transfer works was generally in order. Nevertheless, the Contractor of HK/2009/02 was reminded to maintain the handling procedure for C&D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge.</p> <p>The Contractor was reminded to maintain the handling procedure for C&D materials transfer from land to hopper barge and regularly inspect the condition of the tarpaulin sheet provided to ensure the nearby water quality are not affected by the loading and unloading of material from land side to hopper barge.</p>	
150904	02 Sept 2015	EPD Ref.: H04/RS/0002 2385-15 dated 04 September 2015 received by ET on 04 September 2015	Location outside Fleet Arcade	Construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during	A public complaint regarding construction noise and dust and exhaust emission referred by EPD was received by ET on 04 September 2015 (EPD Ref.: H04/RS/00022385-15 dated 04 September 2015). The complainant reported that construction noise was generated from the construction site of HK/2012/08 at location outside Fleet Arcade during night time on weekdays and daytime during General Holidays. The complainant also concerned construction dust and exhaust emission from derrick barges during transporting C&D material at the site. (Contract HK/2012/08)	Interim report submitted to EPD on 14 September 2015. 2 nd interim report submitted to EPD on 17 Dec 2015



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
				transporting C&D material at the site.	<p>ET confirmed with the Resident Site Staff that from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation.</p> <p>From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one derrick barge was in operation.</p> <p>From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>One derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location.</p> <p>Based on the relevant site records, from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold</p>	3 rd interim report submitted to EPD on 31 Dec 2015



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					<p>and timber and installation of bulkhead was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one generator and one circular saw were in operation and the relevant Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place.</p> <p>From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location and from 1900hrs on 31 August 2015 to 0700hrs on 01 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location.</p> <p>From 1900hrs to 2115 hrs on 01 September 2015, unloading of soil was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one derrick barge was in operation and the Construction Noise Permit GW-RS0296-15 for the concerned operation was confirmed in place.</p> <p>From 2300hrs on 01 September 2015 to 0700hrs on 02 September 2015, no construction works was undertaken by the Contractor of HK/2012/08 at the concerned location. In view of the above, the construction activities conducted under Contract HK/2012/08 during the concerned period was in compliance with the statutory requirement.</p>	



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					<p>In addition, one derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location. Follow-up inspection was conducted during weekly environmental inspection on 08 September 2015 and no dark smoke emission was observed from the derrick barge moored outside the concerned location. Nevertheless, the Contractor of HK/2012/08 was reminded to conduct regular checking on the condition of the all derrick barges deployed on site to ensure only well maintained equipment are used to avoid potential dark smoke emission affecting nearby public and the Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance.</p> <p>The Contractor was reminded to conduct regular checking on the condition of derrick barges deployed on site to ensure only well maintained equipments are used on site to avoid potential dark smoke emission affecting nearby public.</p> <p>The Contractor of HK/2012/08 was reminded to upkeep the site control system for construction works carrying out at restricted hours and night time for Construction Noise Permit compliance.</p>	



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151117	Not specified	EPD complaint received by ET on 17 Novmeber 2015	Causeway Bay Typhoon Shelter	Improper handling or bentonite and marine sediment generated from construction works and contaminated discharge from water treatment plant into Victoria Harbour	<p>A public complaint regarding illegal disposal of construction waste referred by EPD was received by ET on 17 November 2015. The complainant reported that over 10,000 m3 of bentonite after usage for construction of diaphragm wall was disposed of at Victoria Harbour.</p> <p>The Contractor recently deployed mobile crane to transfer the bentonite from mud pit on to works barge. The bentonite was then mixed with soil and transported to the Public Fill. During the course, seepage of slurry through grab generated drop off to marine waters and the soil mixing generated dust impact to nearby yacht club, typhoon shelter and affect nearby public and boats.</p> <p>Disposal of dredged marine sediment was not carried out in accordance with the Management of Dredged/Excavated Sediment. Instead the marine sediment was covered by sand and soil and transported to the Public Fill.</p> <p>White or greyish effluent was discharged directly into Victoria Harbour marine waters from wastewater treatment plant on construction site.</p> <p>In response to the complaint concern, additional water quality monitoring from end November 2015 to mid January 2016 until the post-diaphragm wall construction activities and all bentonite silos and residue bentonite slurry at TS3 were completely removed had been undertaken by the Environmental Team and additional site inspections</p>	<p>Interim investigation report submitted to EPD on 24 November 2015.</p> <p>2nd interim investigation report submitted to EPD on 17 December 2015.</p> <p>3rd interim investigation report submitted to EPD on 31 December 2015.</p> <p>Final investigation report submitted on 5 February 2016.</p>



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					<p>have been conducted by the ET and the investigation findings were included in the interim investigation reports separately submitted to the EPD. In addition, the ET and IEC have conducted checking on the waste disposal records and site construction records with the CWB RSS team to confirm the key construction activities during the concerned period and the quantities of inert C&D material disposed.</p> <p>Specific enhancement on site supervision was undertake by the CWB RSS team to ensure the properly handling of the remaining bentonite slurry in terms of the following:</p> <p>Depth of the bentonite slurry at the primary mixing pit (at south of TS3) was recorded by RSS team daily at regular intervals starting from 22nd December 2015 to record the changes in the level of slurry, particularly before end of works and at the start of works on the next day to confirm no significant change in bentonite slurry level during non-working hours until the complete removal of the mud pit.</p> <p>During the silo dismantling stage, the amount of residue bentonite cleared from the remaining silo were monitored on daily basis to record of the residue bentonite transferred for mixing and final disposal.</p>	



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					The Environmental Team will continue to keep in view on the contractor environmental mitigation measures during the routine inspections, with specific attention at TS3 area on the effectiveness of Contractor's remediation measures and check the implementation of site measures in accordance with the EIA and EM&A Manual recommendations.	
ICC complaint case (ICC Ref: 2-159316569 4) dated 26 November 2015	26 No 2015	ICC complaint received by ET on 27 November 2015	Construction area outside City Garden Block 11	Noise nuisance due to windblown slapping of a metal onto adjacent barrier at night time	<p>A public complaint regarding noise impact referred by RSS was received by ET on 27 November 2015 (ICC Case Ref.: 2-1593165694 dated 26 November 2015). The complainant reported that noise was emanated from the IECL construction site outside City Garden Block 11 due to the windblown slapping of a metal sheet onto adjacent barrier causing nuisance to nearby residents at night time.</p> <p>ET confirmed with the Resident Site Staff that the noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete block footing fronting City Garden.</p> <p>The noise nuisance was caused by the windblown action of the corrugated metal sheet loosely affixed onto the temporary noise barrier panel above a concrete blocking footing fronting City Garden. The concerned corrugated metal sheet was removed by the Contractor of HY/2009/19 on 27 November 2015 to avoid further generation of noise nuisance.</p>	Final investigation report to be issued on 01 December 2015.



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					The Contractor was reminded to check and ensure metal sheetings and other material stored within the construction site are properly affixed to avoid potential noise nuisance due to windblown action.	
EPD complaint case (EPD Ref: H04/RS/00 028924-15 dated 04 December 2015	12 November 2015	EPD complaint received by ET on 04 December 2015	Two International Finance Centre at Finance Street, Central	Construction dust generated from construction site near Two International Finance Centre	<p>A public complaint regarding construction dust impact referred by EPD was received by ET on 04 December 2015 (EPD Ref: H04/RS/00028924-15). The complainant reported that excessive construction dust was generated from the construction site near Two International Finance Centre at Finance Street, Central</p> <p>ET confirmed with the Resident Site Staff that bridge works and drains/ sewers construction at the concerned location was undertaken by Contract HY/2009/18 on 12 November 2015. A stockpile which would be reused for backfilling was stored at the concerned location by Contract HY/2009/18 on 12 November 2015.</p> <p>Mitigation measures implemented by the Contractor for the above construction works including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.</p>	<p>1st interim report submitted to EPD on 14 December 2015</p> <p>2nd interim report submitted to EPD on 4 January 2016</p> <p>EPD advised no comment on 07 January 2015 on the report submitted and case closed.</p>



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					<p>According to relevant site records confirmed by RSS, bridge works and drains/ sewers construction at the concerned location was undertaken by Contractor of HY/2009/18 on 12 November 2015 and a stockpile which would be reused for backfilling was stored at the concerned location. Mitigation measures including covering of idled portion of stockpile and dampening of the exposed stockpile was implemented for the stockpile at the concerned location.</p> <p>In view of the public concern on potential dust impact at the concerned location, the Contractor of HY/2009/18 rearranged the works sequence and placed concrete blocks at the bridge retaining wall to allow for early commencement of backfilling on 19 November 2015 to minimize the size of the stockpile at an earlier stage. Additional water sprinklers were installed on 27 November 2015 to further enhance the dampening of the stockpile surface during excavation.</p> <p>Follow-up inspection was conducted during weekly environmental inspection on 10 December 2015 and mitigation measures including covering of stockpile stored at the concerned location was implemented while it was observed that stockpiles stored near Man Chiu Street was not properly covered. The Contractor of HY/2009/18 was advised to promptly provide covering to all idled stockpile stored on site and the Contractor was reminded to enhance the</p>	



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					watering during excavated material handling near the concerned location. Further follow up inspection was conducted on 17 December 2015 and mitigation measures including covering and watering for idle stockpile and material handling were implemented.	
ICC complaint case (ICC Case Ref: 2-1656689815 dated 14 December 2015	14 December 2015	EPD complaint received by ET on 04 December 2015	Construction area outside City Garden Block 10 and Block 11	Incessant noise emanating from the construction site of the Island East Corridor link that forms part of the Central Wanchai Bypass Project	<p>A public complaint regarding noise impact referred by RSS was received by ET on 16 December 2015 (ICC Case Ref.: 2-1656689815 dated 14 December 2015). The complainant reported that:</p> <p>Incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project.</p> <p>Over the past couple of weeks, there have been loud mechanical pounding at the construction site over the reclaimed area between Blocks 10 and 11 of City Garden. As can be seen, machines have been breaking open the concrete paved on top of the reclaimed area. Work often starts well before 9am on weekdays and, barring a brief period of lull during lunch hours, would often continue unabated untill after 5pm. Although I note that certain noise reduction measures have been put into place (e.g. the erection of flimsy noise barriers around the work area), the noise created is still enormous, and this has become a significant nuisance for residents</p>	Final report was issued on 23 December 2015 and case closed.



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					<p>living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours.</p> <p>ET confirmed with the Resident Site Staff that concreting breaking works was carried out with one breaker on 7, 9, 11, 12 and 14 December 2015 and the breaking works at the concerned location were completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works.</p> <p>According to information confirmed by RSS, concreting breaking works was carried out by one excavator mounted breaker on 7, 9, 11, 12 and 14 December 2015 and the concerned breaking works outside City Garden Block 10 and Block 11 was completed on 14 December 2015 morning. Noise mitigation measures including temporary noise barriers near the point of breaking and covering the breaker with acoustic mat were provided during the concerned concrete breaking works. Based on the further review on the record of the environmental inspection conducted on 09 December 2015, the Contractor of HY/2009/19 was reminded to temporary noise barrier provided for the pile cap demolition shall follow the the Environmental Permit EP-364/2009/D requirement.</p>	



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					Follow up inspection was conducted during weekly environmental inspection on 17 December 2015, the concerned breaking works opposite to City Garden Block 10 and Block 11 was observed completed while the Contractor was reminded that the remaining section of temporary noise barrier in accordance with the latest Environmental Permit EP-364/2009/D shall be completed on site as soon as possible. According to the information provided by RSS, the temporary noise barrier in accordance with the Environmental Permit requirement opposite to City Garden was substantially completed on 21 December 2015. In view of the public concern, the Contractor was suggested to consider to review the works duration at daytime and conduct other future breaking works around the concerned location intermittently to minimize the potential noise nuisance caused to the surroundings.	
EPD Ref.: H05/RS/00 000570-16 dated 14 January 2016	07 January 2016	EPD complaint received by ET on 14 January 2016	Lung King Street	Operation of powered mechanical equipment at the construction site near Lung King Street after 1900hrs.	<p>A public complaint regarding construction noise referred by EPD was received by ET on 14 January 2016 (EPD Ref.: H05/RS/00000570-16 dated 14 January 2016). The complainant reported that there was operation of powered mechanical equipment at the construction site near Lung King Street after 1900hrs. (Contract HK/2012/08)</p> <p>ET confirmed with the Resident Site Staff that from 1900hrs to 2115hrs on 06 January 2016, shifting of equipment and socket H-pile casing was undertaken by the Contractor of HK/2012/08 at the concerned location. Total one crawler crane was in operation.</p>	Interim investigation report submitted to EPD on 22 January 2016. EPD advised on 17 February no comment on the interim report submitted and case closed.



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					<p>According to the relevant site records provided by RSS, shifting of equipment and socket H-pile casing was undertaken by the Contractor of HK/2012/08 at the concerned location from 1900hrs to 2115hrs on 06 January 2016. Total one crawler crane was in operation and the relevant Construction Noise Permit GW-RS0976-15 for the concerned operation was confirmed in place.</p> <p>Based on the above, the construction activities conducted under Contract HK/2012/08 on 06 January 2016 after 1900hrs was in compliance with the statutory requirement. Nevertheless, the Contractor was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance in view of the nearby public concern.</p>	
ICC complaint case (ICC Ref.: #2-1754682833 and ICC Ref: #2-1759629742	19 January 2016	EPD complaint received by ET on 19 January 2016	Hung Hing Road	Drainage at Hung Hing Road, Causeway Bay near the entrance of Cross Harbour Tunnel was blocked and sewage was overflowing from the sewer.	<p>Two public complaints regarding the subject matter on blocked drainage were referred by RSS was received by ET on 19 January 2016 (ICC Ref.: #2-1754682833 and ICC Ref: #2-1759629742).</p> <p>The first complainant (ICC Ref.: #2-1754682833) on 11 January 2016 reported that the drainage at Hung Hing Road, Causeway Bay near the entrance of Cross Harbour Tunnel was blocked and sewage was overflowing from the sewer.</p> <p>The first complainant on 13 January 2016 enquired the status of follow-up, the complainant reported that the sewage overflow was severe and pose environmental hygiene concern to the</p>	Final investigation report issued on 27 January 2016



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					<p>surroundings.</p> <p>The first complainant on 14 January 2016 reported that the situation was not improved and would escalate the case if not addressed.</p> <p>The second complainant on 12 January 2016 (ICC Ref: #2-1759629742) reported that a foul sewer was found choking and foul water flows onto the carriageways.</p> <p>ET confirmed with the Resident Site Staff that no discharge point from the Contractor of HY/2009/15 is located within the concern portion of public drain (roadside gully) along Hung Hing Road.</p> <p>The observed yellow pipe extending from the roadside gully at Hung Hing Road into the site area under Contract HY/2009/15 was installed by the Contractor of HY/2009/15 to pump excessive sewage from the roadside gully on 11 January 2016.</p> <p>According to relevant site records and information provided by RSS, a steady flow of wastewater, noticeably sewer-like odour, was seeping through an existing sewage manhole at Hung Hing Road on 11 January 2016 and resulting in the formation of local ponding formed around the low point gully nearby.</p> <p>Based on relevant site information, no discharge point from the Contractor of HY/2009/15 was located at the concerned public drain (roadside gully) along Hung Hing Road while the observed yellow pipe extending from the roadside gully at Hung Hing Road into Contract HY/2009/15 site area was installed by the Contractor of HY/2009/15 to pump excessive sewage from the roadside gully on 11 January 2016. In view of no discharge point established under Contractor HY/2009/15 was observed at the concerned portion of Hung Hing Road, no direct information</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					indicating the association with the Contractor of HY/2009/15 is considered available. Follow up inspection was conducted during the weekly environmental inspection on 26 January 2016, no further accumulation of wastewater and no particular blockage of the concerned roadside gully at Hung Hing Road was observed. In addition, no overflow from the roadside sewer was observed. Nevertheless, the Contractor of HY/2009/15 was reminded to upkeep the site exit condition to avoid any potential impact to the surroundings.	
EPD complaint case (EPD Case Ref.:H05/RS/00001524-16	22 January 2016	EPD complaint received by ET on 22 January 2016	Hung Hing Road	Construction wastewater from the China Stat's construction site under Contract HY/2009/15 was discharged from the site exit at Hung Hing Road near the Royal Hong Kong Yacht Club to the carriage of Hung Hing Road causing accumulation of stagnant water	A public complaint regarding the blockage of public drainage referred by EPD was received by ET on 22 January 2016 (EPD Case Ref.: H05/RS/00001524-16). The complainant reported that construction wastewater from the China State's construction site under Contract HY/2009/15 was discharged from the site exit at Hung Hing Road near the Royal Hong Kong Yacht Club to the carriage of Hung Hing Road causing accumulation of stagnant water starting from 11 January 2016. ET confirmed with the Resident Site Staff that no construction activities with potential runoff at the main entrance of PRE Office was conducted under Contractor of HY/2009/15 on 11, 14, 15 and 17 January 2016. Concreting for Seawall Reinstatement at TPCWAE was conducted under Contractor of HY/2009/15 on 12 January 2016 and 18 January 2016. Concreting for construction works at covered Tunnel by using concrete pump at TPCWAE was conducted under Contractor of HY/2009/15 on 13 January 2016 and 16 January 2016. According to relevant site records and information	Interim investigation report submitted to EPD on 01 February 2016. EPD advised on 17 February no comment on the interim report submitted and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>provided by RSS, a steady flow of wastewater, noticeably sewer-like odour, was seeping through an existing sewage manhole at Hung Hing Road on 11 January 2016 and resulting in the formation of local ponding formed around the low point gully nearby.</p> <p>Based on relevant site information provided by RSS, no construction activity with potential runoff at the main entrance of PRE Office were conducted under Contractor of HY/2009/15 on 11, 14, 15 and 17 January 2016 while concreting for seawall reinstatement at TPCWAE were conducted on 12 January 2016 and 18 January 2016 and concreting for construction works at covered Tunnel by using concrete pump at TPCWAE were conducted on 13 January 2016 and 16 January 2016. All construction runoff was pumped to the wastewater treatment facility. In addition, no discharge point from the Contractor of HY/2009/15 was located at the concerned public drain (roadside gully) along Hung Hing Road.</p> <p>Follow up inspection was conducted during the weekly environmental inspection on 26 January 2016. No further accumulation of wastewater and particular blockage of the concerned roadside gully at Hung Hing Road was observed and no overflow from the roadside sewer was observed. The condition of the construction site exit under HY/2009/15 was generally in order and no particular construction surface runoff was observed. Nevertheless, the Contractor of HY/2009/15 was reminded to upkeep the site exit condition to avoid any potential impact to the surroundings.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref.: H05/RS/000 03169-16 dated 16 February 2016	16 February 2016	EPD complaint received by ET on 16 February 2016	West of HKCEC	Construction work at construction site of CEDD Wan Chai Development Phase II reclamation project around 2200hrs	<p>A public complaint regarding construction works at restricted hours referred by EPD was received by ET on 16 February 2016 (EPD Ref.:H05/RS/00003169-16 dated 16 February 2016). The complainant reported that:</p> <p>There was construction work at construction site of CEDD Wan Chai Development Phase II reclamation project around 2200hrs on 06 February 2016 at the west of HKCEC within the work area of Contract HK/2012/08.</p> <p>ET confirmed with the Resident Site Staff that from 1900hrs to 2300hrs on 06 February 2016, no site activity was undertaken by the Contractor of HK/2012/08 at the concerned location and site activities under the Contractor of HK/2012/08 at the concerned area were stopped around 1700hrs on 06 February 2016.</p> <p>According to the relevant site records provided by RSS, from 1900hrs to 2300hrs on 06 February 2016, no site activity was undertaken by the Contractor of HK/2012/08 at the concerned location and site activities under the Contractor of HK/2012/08 at the concerned area were stopped around 1700hrs on 06 February 2016.</p> <p>Nevertheless, the Contractor was reminded to upkeep the site control system for any construction works carried out during restricted hours and night time for Construction Noise Permit compliance.</p>	Interim investigation report submitted to EPD on 23 February 2016.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC Ref.: CASE#2- 193863740 3 dated 01 March 2016	01 March 2016	ICC complaint received by ET on 03 March 2016	Lung King Street near the parking spaces for motorcycles	Construction noise was emanated from road works	<p>A public complaint regarding construction noise referred by ICC was received by ET on 03 March 2016 (ICC Ref.: CASE#2-1938637403 dated 01 March 2016). The complainant reported that construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface.</p> <p>Further information was referred by RSS on 15 March 2016, the complainant clarified on 15 March 2016 that construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface during midnight and has lasted for one and half month resulting in nuisance to nearby residence.</p> <p>Further information was referred by RSS on 18 March 2016, the complainant further clarified on 18 March 2016 that the concerned location shall be Lung King Street near the parking spaces for motorcycles and the Contract no. as stated on the publicity board is HK/2012/08. Furthermore, the complainant identified the noise was from power generators.</p> <p>ET confirmed with the Resident Site Staff that there was neither construction works nor operation of power generators under Contract HK/2012/08 at the concerned location from 1900hrs to 0700hrs during the period from 23 February 2016 to 14 March 2016.</p> <p>Based on the complaint information referred by ICC on 3 March 2016, according to the relevant site records provided by RSS, from 0800hrs to 1800hrs on both 29 February 2016 and 01 March 2016, drainage works was undertaken by Contract HK/2012/08 at Lung Wo Road and one excavator was in operation for soil excavation. Follow up inspection was conducted during the weekly environmental site inspection on 08 March 2016</p>	<p>1st investigation report issued on 11 March 2016.</p> <p>2nd investigation report issued on 23 March 2016 and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>and no particular noise emanating works was observed.</p> <p>Based on the further information provided by the complainant on 15 March 2016, the complainant clarified on 15 March 2016 that Construction noise was emanated from road works located between Lung Wo Road and Lung Wui Road Interface during midnight and has lasted for one and half month resulting in nuisance to nearby residence. On 18 March 2016, the complainant further clarified on 18 March 2016 that the concerned location shall be Lung King Street near the parking spaces for motorcycles and the Contract no. as stated on the publicity board is HK/2012/08. Furthermore, the complainant identified the noise was from power generators. According to the relevant site records provided by RSS, there was neither construction works nor operation of power generators under Contract HK/2012/08 at the concerned location from 1900hrs to 0700hrs during the period from 23 February 2016 to 14 March 2016.</p> <p>Nevertheless, in view of the public concern, the Contractor is recommended to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref.: H05/RS/000 05206-16 dated 10 March 2016	07 March 2016	EPD complaint received by ET on 10 March 2016	Waterfront at Lung King Street	Construction dust, plant exhaust and construction noise generated from the construction work of Contract HK/2012/08 at waterfront of Lung King Street caused nuisance, and the water quality at the waterfront of Lung King Street was becoming worse that accumulation of the floating refuse and foam was found	<p>A public complaint regarding construction dust, plant exhaust, construction noise and water quality referred by EPD was received by ET on 10 March 2016 (EPD Ref.: H05/RS/00005206-16 dated 10 March 2016). The complainant reported that construction dust, plant exhaust and construction noise generated from the construction work of Contract HK/2012/08 at waterfront of Lung King Street caused nuisance, and the water quality at the waterfront of Lung King Street was becoming worse that accumulation of the floating refuse and foam was found.</p> <p>ET confirmed with the Resident Site Staff that soil excavation at ELS area, Zone A2(2), was carried out, where at approx. 100m from the waterfront of Lung King Street from 08:00 hrs to 18:00 hrs on 07 March 2016 under Contract HK/2012/08. Two excavators were involved at that location. Erection of falsework for culvert L was carried out near the waterfront of Lung King Street from 08:00 hrs to 18:00 hrs on 07 March 2016 under Contract HK/2012/08. One lorry crane was involved for lifting falsework elements. Dust suppression measures including the water sprinklers were installed along site haul road.</p> <p>Regularly removed the floating refuse at the waterfront of Lung King Street was conducted by the Contractor of HK/2012/08. The concerned observed floating foam at the waterfront of Lung King Street was found originating from the diverted cooling mains discharge.</p> <p>According to the relevant site records provided by RSS, soil excavation at ELS area, Zone A2(2) was carried out, where at approx.100m from the waterfront of Lung King Street under Contract</p>	<p>Interim investigation report submitted to EPD on 18 March 2016.</p> <p>EPD advised no comment on 29 April 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>HK/2012/08 from 08:00hrs to 18:00hrs on 07 March 2016 and two excavators were in operation at that location while erection of falsework for culvert L was carried out near the waterfront of Lung King Street from 08:00hrs and 18:00hrs on 07 March 2016 under Contract HK/2012/08 and one lorry crane was involved for lifting falsework elements. Dust suppression measures including the use of water sprinklers along the site haul road was implemented by the Contractor of HK/2012/08 and removal of floating refuse was regularly conducted at the waterfront of Lung King Street by the Contractor of HK/2012/08. Upon investigation, the concerned observed floating foam at the waterfront of Lung King Street was found originating from the diverted cooling mains discharge.</p> <p>Follow up inspection was conducted during the weekly environmental site inspection on 15 March 2016 and dust suppression measures including watering for haul road, tarpaulin sheet covering for cement bags stored on site and three side and top covering for grouting station were implemented while and no dark smoke emission from the plant and machinery deployed on site was observed. Noise mitigation measures including acoustic covering was implementing for excavator mounted breaker. In addition, removal of floating refuse on site was observed implemented by the Contractor of HK/2012/08 and no accumulation of floating refuse was found. The concerned foam originating from diverted cooling mains discharge was observed during inspection and the dispersion of the concerned foam of unknown chemical nature was observed isolated from the nearby public area.</p> <p>Nevertheless, in view of the public concern, the</p>	



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					Contractor was recommended to maintain regular checking of the plants and equipment deployed on site to avoid potential air quality impact to the nearby public and to maintain adequate dust suppression measures on site to avoid potential dust impact to the surroundings. The Contractor was reminded to maintain regular cleaning of floating refuse within the construction site area to avoid potential nuisance to the surroundings. The Contractor was also reminded to maintain the noise mitigation measure if breaking works would be required. The Contractor was also suggested to reflect the observed foam to relevant Cooling Mains owners.	
EPD Ref.: H05/RS/000 06732-16 dated 10 March 2016	23 March 2016	EPD complaint received by ET on 31 March 2016	Seafront opposite to City Garden	Muddy water discharge from construction site outside City Garden	<p>A public complaint regarding direct discharge of muddy effluent referred by EPD was received by ET on 31 March 2016 (Case Ref.: H08/RS/00006732-16). The complainant reported that:</p> <p>Muddy water was observed discharged from the construction site of Central – Wan Chai Bypass – Tunnel (North Point Section) and Island Eastern Corridor Link (Contract No. HY/2009/19) into Victoria Harbour via a drain hole.</p> <p>ET confirmed with the Resident Site Staff that pipe Laying works between Pier 32 and Pier 33 and excavation and blinding works for Manhole at Pier 34 were in progress on 22 March 2016.</p> <p>The observed drain hole was identified to be the outlet point of a manhole and a section of an abandoned U-channel (extending from the concerned manhole to the Hong Kong Electric Substation in length along the site boundary) was adjoining the concerned manhole and sandbag was previously placed at the U-channel at the location near the inlet point to the concerned manhole.</p>	<p>The interim investigation report was submitted to EPD on 11 April 2016.</p> <p>EPD advised no comment on 02 September 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Based on the site records confirmed by RSS, pipe laying works between Pier 32 and Pier 33 and excavation and blinding works for Manhole at Pier 34 were in progress on 22 March 2016. The observed drain hole was identified to be the outlet point of a manhole and a section of an abandoned U-channel (extending from the concerned manhole to the Hong Kong Electric Substation in length along the site boundary) was adjoining the concerned manhole and sandbag was previously placed at the U-channel at the location near the inlet point to the concerned manhole. In addition, no site discharge point was connected to the aforesaid U-channel and the concerned manhole. In view of the environmental concern, the following remedial and precautionary actions were taken by the Contractor of HY/2009/19 on 29 March 2016.</p> <ul style="list-style-type: none">i) Plugging the inlet point of the concerned manhole (connecting to the abandoned U-channel) with concrete;ii) Plugging the outlet of the concerned manhole (connecting to the observed drain hole) with concrete;iii) Filling the concerned manhole with rubbles;iv) Shifting the unused wastewater treatment plant around the concerned location to other site location for use. <p>Follow-up inspection was conducted by the Environmental Team on 06 April 2016. No further contaminated runoff discharge was observed from the concerned drain hole and precautionary measures including provision of concrete bunding was implemented along the site boundary at the concerned location to avoid potential surface overflow. The pipe laying works and the excavation works was found at distant location</p>	



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					<p>away from the concerned drain hole with no surface drain connection and no particular effluent was generated from the work. As such, no information indicate the discharge was related to the above construction activities.</p> <p>However, it was noted that another section of surface drainage channel within the construction site (perpendicular in direction to the initial identified abandoned U-channel) was also in connection to concerned manhole and minor residue mud deposition was observed within the surface drainage channel. Despite the above additional surface drainage channel identified, the outlet point of concerned final manhole (in connection with the observed drain hole) was observed plugged with concrete and filled with rubbles as rectification measure to avoid any further contaminated runoff discharge via the observed drain hole.</p> <p>Nevertheless, the Contractor of HY/2009/19 was reminded to conduct regular cleaning works for site surface drainage channel to avoid accumulation of silt and soil and avoid potential overflow by directing the surface runoff within the surface drainage channel to proper collection point for necessary treatment prior to discharge. The Contractor of HY/2009/19 was also reminded to check and review other surface drainage channel within the construction site to avoid potential runoff related impact via surface drainage channel to the nearby waters.</p> <p>In addition, it was noticed that water was discharged from a piping extending from City Garden and the discharged water would result in seepage across the site hoarding into the abandoned U-channel. The Contractor of HY/2009/19 was suggested to liaise with the City Garden Management Office for proper connection</p>	



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					of the observed pipping with discharge to prevent further seepage water into the construction site.	
H08/RS/000 07662-16	05 April 2016	EPD complaint received by ET on 05 April 2016	Construction area opposite to Harbour Heights	Construction dust emission arising from drilling activity	<p>A public complaint regarding construction dust emission was referred by EPD was received by ET on 05 April 2016 (Case Ref.: H08/RS/00007662-16). The complainant reported that construction dust emission arising from drilling activity from the construction site of Central – Wan Chai Bypass – Tunnel (North Point Section) and Island Eastern Corridor Link (Contract No. HY/2009/19).</p> <p>ET confirmed with the Resident Site Staff that drilling holes for installation of starter bars was carried out under Contract HY/2009/19 at the vertical cut face of the existing IEC road slab on 05 April 2016</p> <p>Based on the site records confirmed by RSS, drilling holes for installation of starter bars was carried out under Contract HY/2009/19 at the vertical cut face of the existing IEC road slab on 05 April 2016 and according to the photo information provided by the EPD, no dust suppression measures was implemented during the observed drilling works on 05 April 2016.</p> <p>According to Air Pollution Control Ordinance, for pneumatic or power-driven drilling, cutting and polishing, water or a dust suppression chemical shall be continuously sprayed on the surface where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation that causes dust emission is carried out, unless the process is accompanied by the operation of an effective dust extraction and filtering device.</p>	<p>The interim report was submitted to the EPD on 14 April 2016.</p> <p>EPD conducted follow up site visit on rectification measures on 21 April 2016. A inspection record form (Pink Form) was issued to the Contractor regarding the observed incident.</p> <p>EPD advised no comment on 02 September 2016 on the interim report submitted and case closed.</p>



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					Follow-up inspection was conducted on 06 April 2016, rectification actions including the use of vacuum suction to extract dust generated during the concerned drilling works was observed implemented by the Contractor of HY/2009/19 for starter bars drilling works.	
ICC Case Ref.:2-2036525055 dated 27 March 2016	27 March 2016	ICC complaint case received by ET on 11 April 2016	Victoria Park Road Pedestrian Pathway	Toppling of tree	<p>An ICC public complaint regarding landscape aspect was referred by RSS was received by ET on 11 April 2016 (Case Ref.:2-2036525055). The complainant reported that a tree (6 meters in height and 1.5 meters in diameter) was found toppled at 111 Victoria Park Road, near Lamp post 38632 and blocking the Pedestrian pathway on 27 March 2016.</p> <p>ET confirmed with the Resident Site Staff that the concerned tree was identified as T710 and no construction activity in the vicinity of tree T710 on 27 March 2016 and no construction works are required in or near its vicinity.</p> <p>Based on the site records confirmed by RSS, the concerned tree was identified as the retained tree T710 maintained under the Contract of HY/2010/08 and the concerned tree T710 was located outside the assessment area in the relevant Project EIA Report. No construction works are required in the vicinity of concerned tree T710 and no construction activity was conducted in the vicinity of tree T710 on 27 March 2016. Nevertheless, based on RSS information, recent tree monitoring report indicates an existing cavity at trunk and the concerned tree T710 has been recommended to be felled in the tree risk assessment Form 2.</p> <p>With respect to the observed incident of the toppling of the concerned tree T710, the</p>	Investigation Report issued on 15 April 2016 and case closed



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					Contractor of HY/2010/08 was instructed by RSS to remove the broken trunk/ remains to avoid impact to the surroundings. The concerned tree T710 shall be compensated by the Contractor of HY/2010/08 in accordance with the Development Bureau Technical Circular (Works) No. 7/2015 and the detail on compensation would be further agreed with Victoria Park Management Office. Follow-up inspection was conducted on 13 April 2016, and the remaining parts of the concerned tree T710 was observed felled to avoid further impact to nearby public road.	
Not available	12 April 2016	A CEDD public complaint referred by RSS was received by ET on 13 April 2016	East of Star Ferry Piers	Muddy water was observed to disperse from Contract HK/2009/02 site area to Victoria Harbour occasionally as there was no silt curtain installed under the buoyancy floats. The location concerned was the East of Star Ferry Piers (Contract No. HK/2009/02).	<p>A CEDD public complaint regarding muddy dispersion referred by RSS was received by ET on 13 April 2016. The complainant reported that muddy water was observed to disperse from Contract HK/2009/02 site area to Victoria Harbour occasionally as there was no silt curtain installed under the buoyancy floats. The location concerned was the East of Star Ferry Piers (Contract No. HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that no marine construction activities or land construction activities under Contract HK/2009/02 at the concerned location on 12 April 2016. Surface runoff control measures including provision of concrete bund at the concerned location was implemented by Contract HK/2009/02. No soil & silt deposition along the seawall at the concerned location on 12 April 2016. No discharge point located in the vicinity of the concerned location under Contract HK/2009/02. Silt curtain with buoyancy floats acting as anchor points was installed at Monitoring Station RW21-P789 for Water intakes.</p>	Investigation report issued on 19 April 2016 and case closed



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					<p>Based on the site records confirmed by RSS, no marine construction activities or land construction activities was carried out under Contract HK/2009/02 at the concerned location on 12 April 2016 and no soil and silt deposition was found along the seawall at the concerned location and precautionary measures for site runoff control including provision of concrete bund along boundary of site area near the waterfront around the concerned location was implemented by the Contractor HK/2009/02. In addition, no discharge point under Contract HK/2009/02 was located in the vicinity of the concerned location. Based on information confirmed by RSS, the buoyancy floats deployed at the concerned location are acting as the anchor points for the silt curtain deployed around the WQM Station RW21-P789 for the WSD and Cooling Water Intakes group.</p> <p>Follow-up inspection was conducted on 14 April 2016, no surface runoff from the construction site nor discharge of contaminated effluent was observed around the concerned location and precautionary measures including the provision of concrete bund at the concerned location was observed maintained by the Contractor of HK/2009/02 and the silt curtain deployed around the WQM station RW21-P789 was generally in order.</p> <p>In view of the public concern on the water quality, the Contractor of HK/2009/02 was reminded to maintain effective surface runoff protection and provide proper collection point of construction effluent around the concerned location to avoid potential surface runoff related impact.</p>	



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EPD Ref.: H05/RS/000 08367-16 dated 13 April 2016	13 April 2016	A public complaint referred by EPD was received by ET on 13 April 2016	Outside the Hong Kong Academy for Performing Arts	Muddy water discharge from construction site	<p>A public complaint regarding muddy water discharge referred by EPD was received by ET on 13 April 2016 (EPD Ref.: H05/RS/00008367-16 dated 13 April 2016). The complainant reported that muddy water was discharged from the construction work of Contract HK/2012/08 to the sea outside the Hong Kong Academy for Performing Arts on 13 April 2016 morning.</p> <p>ET confirmed with the Resident Site Staff that internal transport of soil to the hopper barge for storage via landing barge was conducted by Contractor of HK/2012/08 during 0800 hours to 1000 hours on 13 April 2016 at the sea outside the concerned location and 3 nos. of dump trucks were deployed for the operation.</p> <p>Protection measure including provision of sandbag bunding along the side of the landing barge was implemented by the Contractor of HK/2012/08.</p> <p>According to the relevant site records provided by RSS, internal transport of soil to the hopper barge for storage via landing barge was conducted by Contractor of HK/2012/08 during 0800 hours to 1000 hours on 13 April 2016 at the sea outside the concerned location and 3 nos. of dump trucks were deployed for the operation. Protection measure including provision of sandbag bunding along the side of the landing barge was implemented by the Contractor of HK/2012/08. In addition, amber rainstorm warning signal was hoisted from 0630 hours to 1200 hours on 13 April 2016 and during the above time period, muddy water was observed from the upstream of culvert L outside the HK/2012/08 site.</p> <p>Follow up inspection was conducted on 19 April 2016, protection measures including provision of</p>	<p>Interim investigation report was submitted to the EPD on 21 April 2016.</p> <p>EPD advised no further comment on 06 June 2016 on the interim report submitted and case closed.</p>



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					<p>sandbag bunding along the side of the landing barge was implemented and no mud or soil deposition was observed along the seawall and no discharge point was located within the temporary water channel connecting the Culvert L outfall location to the Victoria Harbour. In addition, piling works was observed at the north side of Zone A1 on 19 April 2016 and construction effluent collection from piling work via sedimentation tank to wastewater treatment facility was implemented and steel barrier was installed around the piling works area to mitigate against potential surface runoff related impact.</p> <p>Nevertheless, in view of the public concern, the Contractor was reminded to maintain adequate perimeter embankment protection along the seawall boundary and maintain proper construction effluent collection system to avoid potential runoff related impact to nearby waters.</p>	
EPD Ref: H05/RS/000 12646-16 dated 27 May 2016	26 May 2016	A public complaint referred by EPD was received by ET on 27 May 2016	Construction Site near Wanchai Ferry Pier	Operation of generator around the clock	<p>A EPD complaint regarding noise nuisance referred by RSS was received by ET on 27 May 2016 (EPD Ref: H05/RS/00012646-16 dated 27 May 2016). The complainant reported that a generator was operated round-the-clock in the Chun Wo- CRGL JV construction site near Wanchai Ferry Pier that cause noise nuisance. (Contract No. HK/2009/02).</p> <p>ET confirmed with the Resident Site Staff that a generator deployed under Contract HK/2009/02 near the covered walkway for Wanchai Ferry Pier at Portion 2 area and was operated from 1900hrs on 24 May 2016 to 0700hrs on 25 May 2016 and from 1900hrs on 25 May 2016 to 0700hrs on 26 May 2016. The generator was used for the power supply of lighting inside Tunnel Portions 1 and 2. According to the relevant site records provided by</p>	<p>Interim investigation report submitted to EPD on 7 June 2016.</p> <p>EPD advised no further comment on 05 August 2016 on the report submitted and case closed.</p>



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					<p>RSS, a generator deployed under Contract HK/2009/02 near the covered walkway for Wanchai Ferry Pier at Portion 2 area and was operated from 1900hrs on 24 May 2016 to 0700hrs on 25 May 2016 and from 1900hrs on 25 May 2016 to 0700hrs on 26 May 2016. The generator was used for the power supply of lighting inside Tunnel Portions 1 and 2. Based on review on site information, relevant Construction Noise Permits GW-RS0516-16 and GW-RS0390-16 for the operation of the concerned generator were confirmed in place while no sufficient site information was considered available to demonstrate the use of acoustic enclosure for the operation of the generator following the special condition 3d item 4. Despite the above, the Contractor of HK/2009/02 has suspended the use of the generator at the concerned location after 2300hours to minimize potential noise concern to the surroundings from 28 May 2016.</p> <p>Nevertheless, the Contractor of HK/2009/02 was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance and maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



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EPD Ref: H08/RS/000 14627-16 dated 16 June 2016	15 June 2016	A public complaint referred by EPD was received by ET on 16 June 2016	Construction area of Island Eastern Corridor near Sea View Estate.	Splashing from the working area of Island Eastern Corridor near Sea View Estate.	<p>A public complaint was referred by EPD was received by ET on 16 June 2016 (Case Ref.: H08/RS/00014627-16). The complainant reported that his or her properties were covered by many water stains which were splashing from the working area of Island Eastern Corridor near Sea View Estate.</p> <p>ET confirmed with the Resident Site Staff that rebar fixing was carried out on 13 and 14 June 2016 under the Contractor of HY/2009/19 while formwork cleaning and laying concrete for stitching and curing work for concrete were carried out under the Contractor of HY/2009/19 on 15 June 2016 and 16 June 2016 respectively.</p> <p>Mitigation measures including provision of metal cover underneath the bridge deck in slanting position at Watson Road to prevent spilling of water onto public road and provision of tarpaulin sheet along the guard rails of the bridge deck at Pier 19-20 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19.</p> <p>Based on the site records confirmed by RSS, rebar fixing was carried out on 13 and 14 June 2016 under the Contractor of HY/2009/19 while formwork cleaning and laying concrete for stitching and curing work for concrete were carried out under the Contractor of HY/2009/19 on 15 June 2016 and 16 June 2016 respectively.</p> <p>Mitigation measures including provision of metal cover underneath the bridge deck in slanting position at Watson Road to prevent spilling of water onto public road and provision of tarpaulin sheet along the guard rails of the bridge deck at Pier 19-20 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19.</p>	The interim report submitted to the EPD on 29 June 2016. EPD advised no comment on the interim report submitted and case closed on 02 September 2016.



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					<p>Follow up inspection was conducted on 22 June 2016, mitigation measures including the use of metal cover underneath the bridge deck at Watson Road and provision of tarpaulin sheet along the guard rails of the section of bridge deck opposite to Sea View Estate were implemented by the Contractor of HY/2009/19. No particular spilling or splashing of construction water was observed during inspection around the concerned location.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2009/19 was suggested that the direction of the water hose shall be pointed away from the public area as far as practicable during water use or watering for dust suppression to avoid potential splashing nuisance caused to the surroundings. The Contractor of HY/2009/19 was also reminded to maintain proper site drainage to direct surface runoff generated from construction works or cleaning to the proper collection point within site area to avoid potential nuisance to the surroundings.</p>	
EPD Ref: H08/RS/000 16213-16 dated 14 July 2016	30 June 2016	A public complaint referred by EPD was received by ET on 14 July 2016	Construction Site of TS3 near Slip Road 8	Night time construction noise from construction works between 0200hrs to 0300hrs and construction dust emission from construction site of TS3 near Slip Road 8 section.	<p>A public complaint referred by EPD was received by ET on 14 July 2016 (Case Ref.: H08/RS/00016213-16). The complainant reported the concern about night time construction noise from construction works between 0200hrs to 0300hrs and construction dust emission from construction site of TS3 near Slip Road 8 section.</p> <p>ET confirmed with the Resident Site Staff that excavation at TS3 and loading of material onto derrick barge (Shun Tat 28) by crawler crane was undertaken by the Contractor of HY/2010/08 from 19:00hrs to around 02:00hrs on 30 June 2016. Total one crawler crane was in operation.</p> <p>Noise mitigation measures including equipping the crawler crane with noise barrier was implemented</p>	The interim report submitted to the EPD on 22 July 2016



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>by the Contractor of HY/2010/08.</p> <p>Dust mitigation measures including manual spraying of water and mist nozzles are deployed on the ground level and at the cofferdam.</p> <p>Based on the site records confirmed by RSS, excavation at TS3 and loading of material onto derrick barge (Shun Tat 28) by crawler crane was undertaken by the Contractor of HY/2010/08 from 19:00hrs on 29 June 2016 to around 02:00hrs on 30 June 2016. No construction works was conducted at the concerned location after around 02:00hrs on 30 June 2016. Total one crawler crane was in operation and noise mitigation measures including equipping the crawler crane with noise barrier was implemented by the Contractor of HY/2010/08.</p> <p>Based on review on relevant record, Construction Noise Permit GW-RS0434-16 for the operation of crawler crane at the concerned location was in place. However, based on relevant site record, it was noted that the crawler crane deployed during the concerned period could not match with the specific PME requirement under condition 3a (Crane, crawler, mounted with noise barrier (Kobelco 7250S)) of the Construction Noise Permit GW-RS0434-16 between 23:00hrs to 07:00hrs on the following day. Dust mitigation measures including manual spraying of water and mist nozzles were deployed on the ground level and at the cofferdam.</p> <p>Follow up inspection was conducted on 20 July 2016, the potential concerned excavation works at the concerned location was not observed and no particular dust impact was observed around the concerned location.</p> <p>In view of the above, the Contractor of HY/2010/08 was advised to review the site control system for</p>	



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					construction works carried out during restricted hours to check and ensure the model/ specific PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public. Also, the Contractor of HY/2010/08 was reminded to maintain sufficient watering for excavated material handling to avoid potential dust nuisance to the surroundings.	
EPD Ref: H08/RS/000 22448-16 dated 06 September 2016	04 Sept 2016	A public complaint referred by EPD was received by ET on 06 September 2016	Road construction works area near Causeway Bay Typhoon Shelter	Construction noise from road construction work near Causeway Bay Typhoon Shelter	<p>A public complaint referred by EPD was received by ET on 06 September 2016 (Case Ref.: H08/RS/00022448-16). The complainant reported that construction noise from the road construction work near Causeway Bay Typhoon Shelter during 0800hrs to 2100 hrs on 04 September 2016 (Sunday) caused nuisance. The complainant also indicated that the construction noise was generated up to 0100 hrs on normal weekdays.</p> <p>ET confirmed with the Resident Site Staff that underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100hrs on 04 September 2016. Total 1 no. of generator and 1 no. of welding machine were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 01 September 2016 to 0100hrs on 02 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 02 September 2016 to 0100hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Grouting works at Victoria Park Road Eastbound</p>	<p>The interim report submitted to EPD on 20 September 2016.</p> <p>EPD advised no comment on 31 October 2016 on the interim report submitted and case closed.</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>slow lane was conducted from 2300hrs to 2359hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.</p> <p>Based on the site records confirmed by RSS, underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100hrs on 04 September 2016, total 1 no. of generator and 1 no. of welding machine were in operation and relevant Construction Noise Permit GW-RS0442-16 was in place. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 01 September 2016 to 0100hrs on 02 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs on 02 September 2016 to 0100hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Grouting works at Victoria Park Road Eastbound slow lane was conducted from 2300hrs to 2359hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation. Relevant Construction Noise Permit GW-RS0531-16 was in place for the above construction activities.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD Ref: H08/RS/000 24768-16 dated 07 October 2016	28 Sept 2016 04 Oct 2016	A public complaint referred by EPD was received by ET on 07 October 2016	Causeway Bay Typhoon Shelter	Construction work at the construction site in Causeway Bay Typhoon Shelter area was found after 1900hrs on 28 September 2016 and 04 October 2016 that caused noise nuisance.	<p>A public complaint referred by EPD was received by ET on 07 October 2016 (Case Ref.: H08/RS/00024768-16). The complainant reported that construction work at the construction site in Causeway Bay Typhoon Shelter area was found after 1900hrs on 28 September 2016 and 04 October 2016 that caused noise nuisance. The complainant also reported that there were 5 concrete lorry mixers operating at the above site after 1900hrs on 04 October 2016.</p> <p>ET confirmed with the Resident Site Staff that concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 28 September 2016. One concrete pump and two concrete lorry mixers were in operation. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3 (W). Concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 04 October 2016. One concrete pump and two concrete lorry mixers were in operation. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3 (W).</p> <p>Based on the site records confirmed by RSS, concreting for tunnel structure in TS3 (W) was conducted from 1900hrs to 2300hrs on 28 September 2016 and from 1900hrs to 2300hrs on 04 October 2016 and total one concrete pump and two concrete lorry mixers were in operation during the above concerned periods. One no. of concrete lorry mixer was located at the East of TS3 (W) and one no. of concrete lorry mixer was located at the west of TS3(W) during the above concerned periods and relevant Construction Noise Permit</p>	The interim investigation report was submitted to EPD on 18 October 2016.



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					<p>GW-RS0434-16 and GW-RS0407-16 were in place for the construction works conducted during the above concerned periods.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
EPD Ref: H05/RS/0002 9722-16 dated 22 November 2016	15 Nov 2016	A public complaint referred by EPD received by ET on 22 November 2016	Construction Site near Wanchai Ferry Pier	Noise was emanated in the Chun Wo – CRGLJV construction site near Wanchai Ferry Pier till late night and caused nuisance to nearby sensitive receivers.	<p>An EPD complaint regarding noise nuisance referred by EPD was received by ET on 22 November 2016 (EPD Ref: H05/RS/00029722-16 dated 22 November 2016). The complainant reported that noise was emanated in the Chun Wo – CRGLJV construction site near Wanchai Ferry Pier till late night and caused nuisance to nearby sensitive receivers.</p> <p>ET confirmed with the Resident Site Staff that Excavation works at Portion 5 was conducted under Contract HK/2009/02 at Portion 5 area (West of Wan Chai Ferry Pier) from 1900hrs to 2300hrs on 14 November 2016. Total two crawler cranes, two excavators and two generators were operated at ground level and four excavators were operated below ground level. No construction activity was conducted under Contract HK/2009/02 from 2300hrs on 14 November 2016 to 0700hrs on 15 November 2016. Total two generators were operated at ground level for lighting illumination of Portion 5.</p>	Interim investigation report submitted to EPD on 29 November 2016.



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					<p>According to information provided by RSS, excavation works at Portion 5 was conducted under Contract HK/2009/02 at Portion 5 area (West of Wan Chai Ferry Pier) from 1900hrs to 2300hrs on 14 November 2016. Total two crawler cranes and two excavators were operated at ground level and four excavators were operated below ground level. Two generators were operated at ground level. Based on review on site information, relevant Construction Noise Permits GW-RS0593-15 for the above construction activities and above operation of the generators were confirmed in place. No construction activity was conducted under Contract HK/2009/02 from 2300hrs on 14 November 2016 to 0700hrs on 15 November 2016 and two generators were operated at ground level for lighting illumination of Portion 5.</p> <p>In view of the public concern, the Contractor of HK/2009/02 confirmed that the two generators for lighting power supply at ground level after 2300hrs had been suspended and replaced by other two generators located below ground level at Portion 5 area since 23 November 2016 to minimize the noise impact to the surroundings. In addition, the Contractor of HK/2009/02 was reminded to upkeep the site control system for construction works carried out during restricted hours and night time for Construction Noise Permit compliance and maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public. Also, the Contractor of HK/2009/02 was recommended to review the enhancement noise mitigation measure to be adopted for the generators deployed at ground level before 2300hrs to alleviate potential noise concern to the surroundings.</p>	



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EPD ref: H08/RS/0003 0890-16 dated 07 December 2016	24 Nov 2016	A public complaint referred by EPD received by ET on 07 December 2016	Construction Site at Victoria Park	Noise emanated from the construction site at Victoria Park after 1900hrs.	<p>A public complaint referred by EPD was received by ET on 07 December 2016 (Case Ref.: H08/RS/00030890-16). The complainant reported that Noise was emanated in the construction site near Victoria Park after 19:00 and caused nuisance to nearby sensitive receivers on 24 November 2016. ET confirmed with the Resident Site Staff that welding works for the tie-rod for the vertical blinding concrete was undertaken by the Contractor of HY/2010/08 at the construction site in the Victoria Park from 1900hrs to 2300hrs on 24 November 2016. Total 3 nos. of welding machines (electric), 3 nos. of water pumps (electric) and 1 no. of AquaSED were in operation.</p> <p>Based on the site records confirmed by RSS, welding works for the tie-rod for the vertical blinding concrete was undertaken by the Contractor of HY/2010/08 at the construction site in the Victoria Park from 1900hrs to 2300hrs on 24 November 2016. Total 3 nos. of welding machines (electric), 3 nos. of water pumps (electric) and 1 no. of AquaSED were in operation and relevant Construction Noise Permit GW-RS0930-16 was in place for the construction works conducted during the above concerned period. In addition, according to relevant site information confirmed by RSS, the welding machines, water pumps and AquaSED were connected to and powered by Hong Kong Electric power grid. Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	Investigation report submitted to EPD on 16 December 2016. Under EPD review



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
EPD complaint H08/RS/000 01175-17 dated 16 January 2016	10 January 2017	A public complaint referred by EPD received by ET on 16 January 2017	Causeway Bay Typhoon Shelter	Construction work at the reclamation site in Causeway Bay Typhoon Shelter area (Under the Island Eastern Corridor) was found after 1900hrs on 10 January 2017 and the concrete lorry mixer and concrete pump may not comply with the Construction Noise Permit	<p>A public complaint referred by EPD was received by ET on 16 January 2017 (Case Ref.: H08/RS/00001175-17). The complainant reported that construction work at the reclamation site in Causeway Bay Typhoon Shelter area (Under the Island Eastern Corridor) was found after 1900hrs on 10 January 2017. The complainant reported that there were 3 concrete pumps and around 10 concrete lorry mixers operating at the above site during the said period which may not comply with the Construction Noise Permit.</p> <p>ET confirmed with the Resident Site Staff that concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 1900hrs and 2000hrs on 10 January 2017.</p> <p>Total 3 nos. of Lorry Mounted Concrete Pumps and 6 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 2 nos. of the operating Lorry Mounted Concrete Pumps and 4 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>Concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 2000hrs and 2030hrs 10 January 2017. Total 2 nos. of Lorry Mounted Concrete Pump and 4 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 1 no. of the operating Lorry Mounted Concrete Pumps and 2 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p>	Interim investigation report submitted to EPD on 03 February 2017.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 2030hrs and 2300hrs 10 January 2017. Total 1 no. of Lorry Mounted Concrete Pump and 2 nos. of Concrete Lorry Mixers were operated at TS3.</p> <p>Based on the site records confirmed by RSS, concreting of tunnel structure was conducted under Contract HY/2010/08 at Temporary Reclamation Area TS3 between 1900hrs and 2300hrs on 10 January 2017. From 1900hrs to 2000hrs, total 3 nos. of Lorry Mounted Concrete Pumps and 6 nos. of Concrete Lorry Mixers while temporary noise barrier was provided for 2 nos. of the operating Lorry Mounted Concrete Pumps and 4 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>From 2000hrs to 2030hrs, total 2 nos. of Lorry Mounted Concrete Pump and 4 nos. of Concrete Lorry Mixers were operated at TS3 while temporary noise barrier was provided for 1 no. of the operating Lorry Mounted Concrete Pumps and 2 nos. of the operating Concrete Lorry Mixers. Total 1 no. of Concrete Lorry Mixer was at stand-by within TS3 Works area.</p> <p>From 2030hrs to 2300hrs, total 1 no. of Lorry Mounted Concrete Pump and 2 nos. of Concrete Lorry Mixers were operated at TS3.</p> <p>Relevant Construction Noise Permit GW-RS1232-16 (Corresponding PME Groups operated include Group M, Group K and Group H) was in place for the construction works conducted during the above concerned periods and based on RSS information, a designated personnel on-site was responsible for controlling and supervising the switching between PME Groups. Meanwhile, there</p>	



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					<p>is no sufficient information to conclude if the concerned PME(s) (Concrete Lorry Mixer and Lorry Mounted Concrete Pump) deployed behind the temporary noise barrier provided were not visible to nearby sensitive receivers.</p> <p>As multiple PME grouping under the Construction Noise Permit are involved, the Contractor of HY/2010/08 was reminded to strictly follow the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in strict compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
ICC complaint case (Ref: #2-3218844776) dated 23 December 2017	22 Dec 2016	ICC complaint case referred by RSS received by ET on 18 January 2017	Construction Site Gate Exit near Expo Drive East	No wheel washing from CEDD work site, no supervision from the Resident Site Staff, mud was dispersed on the road and flush to the communal drain by Chun Wo-China Railway JV HK/2009/02.	<p>A public complaint regarding the subject matter on wheel washing referred by RSS was received by ET on 18 January 2017 (ICC Ref: #2-3218844776). The complainant reported that no wheel washing from CEDD work site, no supervision from the Resident Site Staff, mud was dispersed on the road and flush to the communal drain by Chun Wo-China Railway JV HK/2009/02.</p> <p>ET confirmed with the Resident Site Staff that the concerned location was Site Exit Gate No. 6 at Expo Drive East operated and maintained under HK/2009/02 on 22 December 2016. Site measures including provision of wheel washing facility was implemented by the Contractor of HK/2009/02 on the concerned date.</p> <p>According to information provided by RSS, the concerned location was Site Exit Gate No. 6 at Expo Drive East operated and maintained under HK/2009/02 on 22 December 2016. In view of the environmental concern, remedial measures including i) instructing all workers to conduct wheel</p>	Final investigation report issued on 23 January 2017.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>washing within the designated location with collection pit to prevent overflow of washing effluent and ii) manual removal of dirt/silt by worker instead of water flushing in case of dirt/muddy trail found on road were implemented by the Contractor on 28 December 2016. Also, the Contractor of HK/2009/02 was further reminded by the WDII RSS to maintain proper wheel washing facilities at Gate No.6 and inspect regularly to ensure that all vehicles leaving the site to public roads are free of mud.</p> <p>Nevertheless, the Environmental Team further reminded the Contractor on 04 January 2017 that site measures including i) wheel washing operation shall be conducted at the designated location behind the backfall to avoid overflow of washing effluent onto public road ii) any silt/ soil deposited of the public road shall be cleared manually shall be strictly followed and relevant remedial actions were taken by the Contractor of HK/2009/02 on 04 January 2017.</p> <p>According to site inspection conducted on 17 January 2017, the concerned site exit Gate No.6 was maintained in proper condition, no silt/ mud deposition was observed on the public road and wheel washing was conducted by the Contractor of HK/2009/02 at the designated location within the construction site to avoid overflow of washing effluent onto nearby public road.</p>	



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ICC complaint case (Ref: #2-3512033936) dated 20 February 2017	20 February 2017	ICC complaint case referred by RSS received by ET on 24 February 2017	Victoria Park Swimming Pool	Noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance.	<p>An ICC complaint referred by RSS was received by ET on 24 February 2017 (CASE#2-3512033936). The complainant reported that noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance. ET confirmed with the Resident Site Staff that no works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 21 December 2016 to 20 February 2017.</p> <p>No works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 21 December 2016 to 20 February 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	Final Investigation Report issued on 02 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC complaint case (Ref: #2-3515474831) dated 21 February 2017	21 February 2017	ICC complaint case referred by RSS received by ET on 24 February 2017	Construction Site near Victoria Park Swimming Park and Causeway Bay Typhoon Shelter	Noise was emanated from the construction site near Victoria Park Swimming Pool between 2300hrs to 2400hrs in the past months and caused nuisance.	<p>An ICC complaint referred by RSS was received by ET on 24 February 2017 (CASE#2-3515474831). The complainant reported that noise was emanated from the construction site near Victoria Park Swimming Pool and Causeway Bay Typhoon Shelter between 1900hrs to 2400hrs in the past months and caused nuisance.</p> <p>ET confirmed with the Resident Site Staff that concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2300hrs on 13, 14, 15, 16 and 18 February 2017. Total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated.</p> <p>Concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2100hrs on 21 February 2017. Total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated. Concreting of tunnel structure at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 17 and 20 February 2017. Total 1 no. of concrete pump and 2 nos. of concrete mixers were operated. Bar bending at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 13, 14, 15, 16, 18 and 19 February 2017. Total 1 no. bar bender and cutter was operated. No works was conducted under Contract HY/2010/08 near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) across the period from 13 February 2017 to 21 February 2017.</p> <p>Based on the site records confirmed by RSS, no works was conducted under Contract HY/2010/08</p>	Final Investigation Report issued on 07 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>near Victoria Park Swimming Pool (Hing Fat Street) during the restricted hours (from 1900hrs to 0700hrs on the following day) from 13 February 2017 to 20 February 2017. Concreting of tunnel structure at Temporary Reclamation Area TS3 was conducted under Contract HY/2010/08 between 1900hrs and 2300hrs on 13, 14, 15, 16 and 18 February 2017 and total 3 nos. of concrete pumps and 6 nos. of concrete lorry mixers were operated. Concreting of tunnel structure at Temporary Reclamation Area TS3 were conducted under Contract HY/2010/08 between 1900hrs and 2100hrs on 21 February 2017 and total 3 nos. of concrete pump and 6 nos. of concrete lorry mixers were operated. Relevant Construction Noise Permit GW-RS0029-17 was in place while it is considered that there is no sufficient information to indicate whether the Powered Mechanical Equipment were deployed at the designed location stipulated under the relevant Construction Noise Permit with noise mitigation measures required.</p> <p>Concreting of tunnel structure at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 17 and 20 February 2017. Total 1 no. of concrete pump and 2 nos. concrete mixers were operated. Bar bending at Zone C was conducted under Contract HY/2010/08 between 1900hrs to 2300hrs on 13, 14, 15, 16, 18 and 19 February 2017 and total 1 no. bar bender and cutter was operated. Relevant Construction Noise Permit GW-RS1366-13 was in place while it is considered that there is no sufficient information to indicate whether the Powered Mechanical Equipment were deployed at the designed location stipulated under the relevant Construction Noise Permit with noise mitigation measures required.</p>	



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					<p>Nevertheless, further to the joint ad-hoc inspection conducted by the ET/IEC on 13 February 2017 during restricted hours (between 1900hrs to 2200hrs), concurrent operations of 4 nos. of concrete lorry trucks at the Southern Side of TS3 near Construction Site Entrance and concurrent operations of 2 nos. of concrete lorry pumps and 2 nos. of concrete lorry truck at Western and Northern Side of TS3 were observed while the temporary noise barrier provided for the concrete lorry pump and concrete lorry truck at the Northern Side of TS3 could not screen entirely the concrete lorry truck and concrete lorry pump (Located at Northern Side of TS3) from nearby sensitive receivers. Therefore, it is considered that the above operations observed could not follow the PME grouping requirement and the specific condition 3.d.4 under the relevant Construction Noise Permit.</p> <p>In view of the above, the Contractor of HY/2010/08 was advised to enhance the site supervision and strictly implement the site control system for construction works carried out during restricted hours to ensure the PMEs deployed strictly comply with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	



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ICC complaint case (Ref: #2-3521097579) dated 22 February 2017	22 February 2017	ICC complaint case referred by RSS received by ET on 27 February 2017	Construction Site at Victoria Harbour near Victoria Park	Noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.	<p>An ICC complaint referred by RSS was received by ET on 27 February 2017 (CASE#2-3521097579). The complainant reported that noise was emanated from the construction Site at Victoria Harbour near Victoria Park from 0000hrs to 0200hrs on Tuesday and caused nuisance and Concrete Lorry was observed on scene.</p> <p>ET confirmed with the Resident Site Staff that no construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.</p> <p>No construction work was conducted under HY/2010/08 at Zone C (Victoria Park Road) and Temporary Reclamation Area Zone between 0000hrs to 0200hrs on 21 February 2017 and between 0000hrs to 0200hrs on 22 February 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	Final Investigation Report issued on 02 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
ICC Complaint Case (CASE #2-357615753 8 dated 05 March 2017)	05 March 2017	ICC complaint referred by RSS was received by ET on 06 March 2017	Construction works area under Contract HK/2009/02 for Wanchai Development Phase II	Noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.	<p>An ICC complaint referred by RSS was received by ET on 06 March 2017 (CASE#2-3576157538). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.</p> <p>ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level.</p> <p>Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.</p> <p>According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below</p>	Investigation report issued on 10 March 2017 and case closed.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.</p> <p>Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
EPD complaint (Case Ref: H05/RS/00 06240-17)	05 March 2017	EPD complaint referred by RSS was received by ET on 14 March 2017. EPD clarified the complaint case shall be referred by ICC Complaint Hotline (CASE #2-3576157538)	Construction works area under Contract HK/2009/02 for Wanchai Development Phase II	Noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.	<p>A EPD complaint was referred to the ET on 14 March 2017 (CASE Ref: H05/RS/0006240-17). The complainant reported that noise was emanated from the construction works under Contract HK/2009/02 for Wanchai Development Phase II on 05 March 2017 and potential violation of ordinance was suspected.</p> <p>ET confirmed with the Resident Site Staff that no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level.</p> <p>Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 no. of loader were in operation below ground level.</p>	<p>Interim Investigation report issued on 10 March 2017 and case closed.</p> <p>Under EPD Review</p>



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>According to the information confirmed by RSS, no works was conducted under Contract HK/2009/02 from 0000hrs to 0830hrs on 05 March 2017. Removal ELS waling at Portion 5 (West of WanChai Ferry Pier) was conducted under Contract HK/2009/02 from 0830hrs to 1700hrs on 05 March 2017. Total 2 nos. of crawler cranes were in operation at ground level. Tunnel backfilling and construction of temporary walls at Portions 3&4 (Near Wan Shing Street) were conducted under Contract HK/2009/02 from 0830hrs to 1700hrs. Total 1 no. of excavator and 1 no. of dump truck were in operation at ground level and 2 nos. of excavator and 1 loader were in operation below ground level. Relevant Construction Noise Permit GW-RS1305-16 was in place.</p> <p>Nevertheless, in view of the public concern, the Contractor of HK/2009/02 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HK/2009/02 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	
ICC complaint Case (CASE#2-3603182890) dated 10 March 2017	10 March 2017	An ICC complaint referred by RSS was received by ET on 13 March 2017	Construction Site at Victoria Park	Noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.	<p>An ICC complaint referred by RSS was received by ET on 13 March 2017 (CASE#2-3603182890). The complainant reported that noise was emanated from the construction Site at Victoria Park from 2300hrs to 2400hrs on 10 March 2017 and caused nuisance to nearby residents.</p> <p>ET confirmed with the Resident Site Staff that no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.</p>	Investigation Report issued on 15 March 2017 and case closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<p>Based on the information provided by the RSS, no construction work was conducted under Contract HY/2010/08 at Victoria Park at from 2300hrs to 2400hrs on 10 March 2017.</p> <p>Nevertheless, in view of the public concern, the Contractor of HY/2010/08 was reminded to maintain the site control system for construction works carried out during restricted hours to ensure the PMEs deployed are in compliance with relevant Construction Noise Permit. The Contractor of HY/2010/08 was also reminded to maintain regular maintenance of the plant and equipment deployed to avoid potential nuisance to the nearby public.</p>	





Appendix 10.1

Construction Programme of Individual Contracts

Contract No. HK/2009/01

Wan Chai Development Phase II – Central -Wan Chai Bypass at
Hong Kong Convention and Exhibition Centre

Construction Activities For Three Months Rolling

Construction Activities	Dec 2016	Jan 2017	Feb 2017	Mar 2017	Apr 2017
Reinstatement of Amenity Area					
Road and Drain Works					



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Total Float	Activity % Complete	2017			
							Jan	Feb	Mar	Apr
HK/2012/08 Revised Works Programme Rev.9(DD 31 December 2016)										
Dredging and Reclamation										
Marine Work Construction										
Others - Landing Steps										
MAR21420	Zone A2 - [summary] landing steps at seawall 13	73	09-Feb-17	11-May-17	-23	0%				
MAR21360	Zone A2 - [summary] landing steps at seawall 4	77	09-Feb-17	16-May-17	-27	0%				
MAR21380	Zone B - [summary] landing steps at seawall 5	73	09-Feb-17	11-May-17	-23	0%				
MAR21400	Zone D - [summary] landing steps at seawall 9	70	09-Feb-17	08-May-17	-20	0%				
Works for Section Completion										
Construction										
Section II - MVB Structure										
MVB Substructure - ELS & Structural Works for Portion A										
MVB Substructure - Other Works for Portion A										
SII11400	Sec II - MVB A: Backfilling to ground level (2.0mPD to 4.0mPD)	14	17-Jan-17	30-Jan-17	-163	0%				
SII11320	Sec II - MVB A: Remove falsework & formwork	10	05-Jan-17	14-Jan-17	-143	0%				
SII11340	Sec II - MVB A: Repair defect	10	15-Jan-17	24-Jan-17	-143	0%				
SII11360	Sec II - MVB A: Screeding of Roof Slab	7	10-Jan-17	16-Jan-17	-163	0%				
SII11344	Sec II - MVB A: Waterproofing of D-wall	5	25-Jan-17	29-Jan-17	-143	0%				
SII11350	Sec II - MVB A: Waterproofing of Roof Slab	7	10-Jan-17	16-Jan-17	-163	0%				
MVB Substructure - ELS & Structural Works for Portion B										
MVB Substructure - Structural Works for Portion B										
SII12450	Sec II - MVB B - Construct remaining wall and slab below B1/F	11	31-Dec-16*	10-Jan-17	-255	0%				
SII12560	Sec II - MVB B: Construct wall above capping beam and slab at G/F	28	19-Jan-17	15-Feb-17	-160	0%				
SII12520	Sec II - MVB B: Construct Capping Beam at South	19	31-Dec-16	18-Jan-17	-160	0%				
SII12500	Sec II - MVB B: Construct wall of B1/F and capping beam at East	15	31-Dec-16	14-Jan-17	-259	0%				
MVB Substructure - Other Works for Portion B										
SII12360	Sec II - MVB B: Repair Defect	10	25-Jan-17	03-Feb-17	-154	0%				
SII12120	Sec II - MVB B: seal up the openings	5	25-Jan-17	29-Jan-17	-143	0%				
SII12420	Sec II - MVB B: Waterproofing of D-wall	6	04-Feb-17	09-Feb-17	-154	0%				
SII12100	Sec III - MVB B: Remove falsework & formwork	10	15-Jan-17	24-Jan-17	-154	0%				
MVB Substructure - ELS & Structural Works for Portion C										
MVB Substructure - ELS for Portion C										
SII12380	Sec III - MVB C : Remove bulhead wall between MVB plant room and MVB South	7	21-Dec-16 A	06-Jan-17	-185	56.25%				
MVB Substructure - Structural Works for Portion C										
SII12600	Sec II - MVB Plant Room : Construct fence wall above G/F slab	14	25-Feb-17	10-Mar-17	-192	0%				

Data Date:
31-Dec-16

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

**3 Months Rolling Programme for Non-CRIII
(Jan 2017 - March 2017)
Ref. to DWP Rev. 9**

Date	Revision	Checked	Approved
20-Nov-16	8		



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Total Float	Activity % Complete	2017			
							Jan	Feb	Mar	Apr
SII12260	Sec II - MVB Plant Room : Construct Floor Slab of G/F	11	14-Jan-17	24-Jan-17	-192	0%				
SII12580	Sec II - MVB Plant Room : Construct slab of Raised Floor	15	10-Feb-17	24-Feb-17	-192	0%				
SII12240	Sec II - MVB Plant Room : Construct Wall of B1/F	14	22-Dec-16 A	13-Jan-17	-192	15%				
SII12540	Sec II - MVB Plant Room : Construct wall of Raised Floor	16	25-Jan-17	09-Feb-17	-192	0%				
Section II A - CWB Tunnel & Slip Road Structures and Facilities										
CWB A2(2)										
CWB A2 (2) - ELS & Tunnel Structure										
CWB A2 - Other Works										
SIIA12660	Sec II A - CWB A2(2) : Backfilling from +2.0mPD to formation level	25	07-Feb-17	03-Mar-17	-229	0%				
SIIA12610	Sec II A - CWB A2(2) : Backfilling up to +2.0 mPD	14	25-Nov-16 A	13-Jan-17	-229	0%				
SIIA12630	Sec II A - CWB A2(2) : Demolition of temporary Dwall	24	14-Jan-17	06-Feb-17	-229	0%				
CWB B & A2(1)										
CWB B - ELS & Tunnel Structure										
CWB A2(1) & B - Tunnel Structure										
SIIA13900	Sec II A - CWB B: Construct Bay 7b - OHVD	15	13-Jan-17	27-Jan-17	-257	0%				
SIIA13920	Sec II A - CWB B: Construct Bay 7b - Top Slab	14	02-Feb-17	15-Feb-17	-257	0%				
SIIA13880	Sec II A - CWB B: Construct Bay 7b - Wall	19	19-Dec-16 A	18-Jan-17	-257	38.71%				
CWB A2(1) & B - Associated Facilities										
SIIA14460	Sec II A - CWB A2(1) & B : Civil Provisions - waterproofing & lay screeding	14	19-Feb-17	04-Mar-17	-231	0%				
SIIA14480	Sec II A - CWB A2(1) & B : Remove flasework & formwork	7	16-Feb-17	22-Feb-17	-257	0%				
SIIA14500	Sec II A - CWB A2(1) & B : Repair defect	7	23-Feb-17	02-Mar-17	-209	0%				
CWB C (W)										
CWB C(W) - ELS & Tunnel Structure										
CWB C(W) - Tunnel Structure										
SIIA12650	Sec II A - CWB CW: Construct Bay 1 & 2 - Internal Wall	8	09-Jan-17	16-Jan-17	-258	0%				
SIIA12700	Sec II A - CWB CW: Construct Bay 1 & 2 - OHVD	11	17-Jan-17	27-Jan-17	-258	0%				
SIIA12720	Sec II A - CWB CW: Construct Bay 1 & 2 - Roof Slab	23	03-Feb-17	25-Feb-17	-258	0%				
SIIA12640	Sec II A - CWB CW: Construct Bay 1 & 2 - Southern Wall	8	09-Jan-17	16-Jan-17	-257	0%				
SIIA12460	Sec II A - CWB CW: Construct Bay 2b - B1/F slab	14	23-Jan-17	05-Feb-17	-111	0%				
SIIA12520	Sec II A - CWB CW: Construct Bay 2b - G/F roof slab	7	13-Feb-17	19-Feb-17	-118	0%				
SIIA12430	Sec II A - CWB CW: Construct Bay 2b - Saw cut D-wall at B1/F	14	09-Jan-17	22-Jan-17	-118	0%				
SIIA12480	Sec II A - CWB CW: Construct Bay 2b - Saw cut D-wall at G/F	21	23-Jan-17	12-Feb-17	-118	0%				
SIIA12180	Sec II A - CWB CW: Construct Raking Struts	4	23-Dec-16 A	03-Jan-17	-258	50%				
SIIA12200	Sec II A - CWB CW: Remove walling/struct/concrete packing	5	04-Jan-17	08-Jan-17	-258	0%				
CWB C(W) - Associated Facilities										
SIIA14220	Sec II A - CWB CW: Remove flasework & formwork	7	26-Feb-17	04-Mar-17	-258	0%				
SIIA14240	Ssec II A - CWB CW: Repair defect	7	26-Feb-17	04-Mar-17	-258	0%				
CWB C (E)										
CWB C(E) - ELS & Tunnel Structure										
CWB C(E) - Tunnel Structure										



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Total Float	Activity % Complete	2017			
							Jan	Feb	Mar	Apr
SIIA13455	Sec II A - CWB CE: Construct Bay 3 - Roof Slab	11	17-Jan-17	27-Jan-17	-240	0%				
SIIA13444	Sec II A - CWB CE: Remove concrete wall between C1 and zone CE (Bay 3)	6	11-Jan-17*	16-Jan-17	-240	0%				
CWB C(E) - Other Works										
SIIA13325	Sec II A - CWB CE: backfill to +4.0mPD	45	11-Feb-17	27-Mar-17	-154	0%				
SIIA13300	Sec II A - CWB CE: Remove falsework and formwork	8	28-Jan-17	04-Feb-17	-240	0%				
SIIA13310	Sec IIA - CWB CE: Repair defect	8	06-Feb-17	14-Feb-17	-195	0%				
SIIA13316	Ssec IIA - CWB CE: Waterproofing of D-wall	5	15-Feb-17	20-Feb-17	-195	0%				
CWB C(E) - Associated Facilities										
SIIA14272	Sec II A - CWB CE: Civil Provisions - lay screeding and waterproofing	14	28-Jan-17	10-Feb-17	-154	0%				
CWB C - Exhaust Duct										
CWB C - Exhaust Duct Structural Work										
SIIA12936	Sec II A - Exhaust Duct at Slip Rd 3: Demolish bulkhead between MVB south and exhaust duct	18	15-Jan-17	01-Feb-17	-259	0%				
SIIA12938	Sec II A - Exhaust Duct at Slip Rd3: Construt Bay 1 - base slab	8	02-Feb-17	09-Feb-17	-259	0%				
SIIA13480	Sec II A - Exhaust Duct at Slip Rd3: Construt Bay 1 - roof slab	8	19-Feb-17	26-Feb-17	-259	0%				
SIIA12940	Sec II A - Exhaust Duct at Slip Rd3: Construt Bay 1 - wall	9	10-Feb-17	18-Feb-17	-259	0%				
CWB C - Exhaust Duct Others										
SIIA12950	Sec II A - Exhaust Duct at Slip Rd3: dismantle formwork / falsework	12	27-Feb-17	10-Mar-17	-259	0%				
CWB D - Slip Road 1										
CWB D - Slip Road 1 - ELS & Tunnel Structure										
CWB D - Slip Road 1 - ELS										
CWB D - SR1 - ELS - Bay 1 & 2										
SIIA 12584	Sec II A - CWB SR1 Concrete Plug: Remove concrete bulkhead	14	02-Feb-17	15-Feb-17	-249	0%				
CWB D - Slip Road 1 - Tunnel Structure										
SIIA13060	Sec II A - CWB SR1: Construct Bay 1a - Base Slab (adjacent to C4 unit)	17	11-Jan-17	27-Jan-17	-249	0%				
SIIA13080	Sec II A - CWB SR1: Construct Bay 1a - Roof Slab (adjacen to C4 unit)	13	16-Feb-17	28-Feb-17	-249	0%				
SIIA13055	Sec II A - CWB SR1: Trimming and post drill to Bay 1a base slab	11	31-Dec-16	10-Jan-17	-249	0%				
CWB D - Associated Facilities										
SIIA13940	Sec II A - CWB SR1 : Repair Defect	7	08-Jan-17	14-Jan-17	-209	0%				
SIIA13980	Sec II A - CWB SR1 : Waterproofing of D-wall	5	15-Jan-17	19-Jan-17	-209	0%				
SIIA12580	Sec II A - CWB SR1: Civil Provisions - Waterproofing & lay screeding	14	09-Jan-17	22-Jan-17	-212	0%				
SIIA13560	Sec II A - CWB SR1: Remove falsework and formwork	7	01-Jan-17	07-Jan-17	-209	0%				
CWB D - Slip Road 1 - Trough / Retaining Wall										
CWB D - Slip Road 1 - Trough/Retaining Wall Temp Work & ELS										
SIIA13320	Sec II A - CWB SR1 Trough & RW: Remedial works for Blinding layer (Trough Bay 1)	10	10-Jan-17	19-Jan-17	-271	0%				
SIIA13780	Sec II A - CWB SR1 Trough & RW: Remedial works for Blinding layer (Trough Bay 2)	5	05-Jan-17	09-Jan-17	-271	0%				
SIIA14000	Sec II A - CWB SR1 Trough & RW: Remedial works for Blinding layer (Trough Bay 3)	5	14-Dec-16 A	04-Jan-17	-271	75%				
SIIA14080	Sec II A - CWB SR1 Trough & RW: Retaining Wall - Cast Blinding Layer	2	15-Jan-17	16-Jan-17	-263	0%				
SIIA14060	Sec II A - CWB SR1 Trough & RW: Retaining Wall - Excavation	7	08-Jan-17*	14-Jan-17	-263	0%				
CWB D - Slip Road 1 - Trough/Retaining Wall Structure										
SIIA13800	Sec II A - CWB SR1 Trough & RW: Retaining Walls RW3 (bay 1)	19	17-Jan-17	04-Feb-17	-263	0%				



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Total Float	Activity % Complete	2017			
							Jan	Feb	Mar	Apr
SIIA13820	Sec II A - CWB SR1 Trough & RW: Retaining Walls RW3 (bay 2&3)	18	25-Jan-17	11-Feb-17	-263	0%				
SIIA13860	Sec II A - CWB SR1 Trough & RW: Retaining Walls RW4 (bay 1)	19	17-Jan-17	04-Feb-17	-256	0%				
SIIA12800	Sec II A - CWB SR1 Trough & RW: Trough Structure - Base Slab & Wall (bay 1)	31	20-Jan-17	19-Feb-17	-271	0%				
SIIA13740	Sec II A - CWB SR1 Trough & RW: Trough Structure - Base Slab & Wall (bay 3)	19	05-Jan-17	23-Jan-17	-244	0%				
SIIA13720	Sec II A - CWB SR1 Trough & RW: Trough Structure - Base Slab & Wall (bay 2)	31	10-Jan-17	09-Feb-17	-261	0%				
CWB D - Slip Road 1 - Trough/ Retaining Wall Other Works										
SIIA13845	Sec II A - CWB SR1: Waterproofing & lay screeding	14	20-Feb-17	05-Mar-17	-271	0%				
Section III A - Road A2, A4, A5, Area 11; Implement 2nd Stage ITA										
Roadwork & Utilities at CR11/A1										
SIIIA10260	Sec III A - roadwork and utilities (Zone A1) - Backfill to pavement founding level	42	06-Jan-17	28-Feb-17	-188	0%				
Roadwork & Utilities at B										
SIIIA10840	Sec III A - roadwork and utilities (Zone B) - Backfill to pavement founding level	40	28-Feb-17	19-Apr-17	-188	0%				
Box Culvert L1 & FRP-L - Bay 8										
Box Culvert L1 & FRP-L - Bay 8 Structure										
CUL11323	Culvert L - Bay 8 - construct base slab (Portion 1)	14	31-Dec-16	13-Jan-17	-259	0%				
CUL11324	Culvert L - Bay 8 - construct base slab (Portion 2)	9	14-Jan-17	22-Jan-17	-259	0%				
CUL11326	Culvert L - Bay 8 - construct wall	14	23-Jan-17	05-Feb-17	-259	0%				
CUL11328	Culvert L - bay 8 - constr top slab	11	17-Feb-17	27-Feb-17	-259	0%				
CUL11327	Culvert L - Bay 8 - Dismantle formwork & Remove sheet pipe	11	06-Feb-17	16-Feb-17	-259	0%				
Box Culvert L1 & FRP-L - Bay 8 Others										
CUL11340	Culvert L - bay 8 - backfill above box section	12	28-Feb-17	13-Mar-17	-211	0%				
Section VI D - Area 8B & 10										
WDII Box 1 Construction										
WDII Box 1 Remaining Structure										
WD-C6090	Sec VID - Remaining of Box I: Blasting tank at wall 12, 15 & 16	23	02-Feb-17	28-Feb-17	-237	0%				
WD-C6040	Sec VID - Remaining of Box I: Construct lower part BHW, Wall 12, 15 and 16	10	12-Dec-16 A	09-Jan-17	-290	62.96%				
WD-C6060	Sec VID - Remaining of Box I: Construct Upper part BHW, Wall 12, 15 and 16	17	10-Jan-17	26-Jan-17	-290	0%				
WD-C6080	Sec VID - Remaining of Box I: Construct Wall 13(23m run)	37	10-Jan-17	15-Feb-17	-278	0%				
WD-C6075	Sec VID -Remaining of Box I: Extension of sacrificial wall (2.3m)	37	27-Jan-17	04-Mar-17	-281	0%				
Section IV - Slip Road 3										
Roadwork & Utilities (Lung King Street)										
SIV11060	Sec IV - Stage 3: Roadwork & Utilities	23	11-Nov-16 A	27-Jan-17	-79	0%				
Section VII - Remainder Works										
Retaining Wall RW5 Construction										
SVII10660	Sec VII - Retaining Wall RW5 (bay 1) - construct base slab and wall	18	03-Feb-17*	23-Feb-17	-24	0%				
SVII10680	Sec VII - Retaining wall RW5 (bay 2) - construct base slab and wall	18	24-Feb-17	16-Mar-17	-24	0%				
SVII10800	Sec VII - Retaining wall RW5 (bay 3) - construct base slab and wall	18	03-Feb-17	23-Feb-17	-24	0%				
SVII10820	Sec VII - Retaining wall RW5 (bay 4) - construct base slab and wall	18	24-Feb-17	16-Mar-17	-24	0%				
Landing Steps Construction										
Landing Steps BSW13										



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Total Float	Activity % Complete	2017			
							Jan	Feb	Mar	Apr
SVIII10700	Sec VII - Landing steps (BSW13) - construct mass concrete coping	26	09-Feb-17*	10-Mar-17	-27	0%				
Landing Steps BSW4										
SVIII10940	Sec VII - Landing steps (BSW4) - construct mass concrete coping	26	09-Feb-17	10-Mar-17	-27	0%				
Landing Steps BSW5										
SVIII11020	Sec VII - Landing steps (BSW5) - construct mass concrete coping	26	09-Feb-17	10-Mar-17	-23	0%				
Landing Steps BSW9										
SVIII11100	Sec VII - Landing steps (BSW9) - construct mass concrete coping	24	09-Feb-17*	08-Mar-17	-20	0%				
Promenade Seawall Parapet Construction										
SVIII10400	Sec VII - construct block seawall mass concrete coping & backfill to pavement formation	60	06-Feb-17*	20-Apr-17	-12	0%				
Section VIII - Landscape Softworks										
Soft Landscaping Works										
SVIII10040	Sec VIII - Trees Planting	64	31-Dec-16	21-Mar-17	-57	0%				
Section X - Protection & Preservation of Trees										
Soft Landscaping Works										
SX10020	Sec X - Protection & Preservation of Trees	265	31-Jan-13 A	21-Sep-17	-52	83.76%				
VO : Construction of Box 4A & 4B										
Box 4A										
4A10000	Concrete Fill with 300 dia. carrier drain (Approx. 50m)	10	05-Jan-17*	14-Jan-17	-217	0%				
4A10020	Internal Suspended Slab & Internal Wall	13	15-Jan-17	27-Jan-17	-217	0%				
Box 4B										
4B10000	Concrete Fill with 300 dia. carrier drain (Approx. 50m)	10	05-Jan-17	14-Jan-17	-205	0%				
4B10010	Internal Suspended Slab & Internal Wall	13	15-Jan-17	27-Jan-17	-217	0%				

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017					
						Jan				Feb				Mar	
Update 2017-01-20 CWB - Central Interchange (2014-06-20) Revised DWP R7															
PRELIMINARIES															
Access Dates & Milestones															
Commencement & Completion															
1005	Contract Construction Completion	0d		20-Jan-17*	-355d										
1010	Contract DLP and Establishment Works for Landscape Completion	0d		29-Jan-17*	0d										
SECTION 5 - ALL WORKS IN PORTION V & VA															
CWB Trough B - CH1360 to CH1480															
Preliminaries															
1533	V - Permanent Reinstatement Finance Street for TTA6 (Both lanes) & drainage settlement- (VO V/021)	142d	16-Nov-15 A	24-Jan-17	-361d										
Trough Internal Works															
VO207	VO207 - Revised Details of Roadside Barrier at Trough B	24d	08-Nov-16 A	16-Feb-17	-375d										
SECTION 6 - ALL WORKS IN PORTION VI															
General Surface Works															
Formation & Roadworks															
Irrigation System															
14916	Area VIII (New cross road pipes added)	140d	05-Nov-15 A	09-Feb-17	-296d										
14912	Area VI	78d	18-Apr-16 A	01-Mar-17	-313d										
14914	Area VII	78d	18-Apr-16 A	22-Feb-17	-307d										
14908	Area IV / Area V	78d	28-Jun-16 A	09-Feb-17	-296d										
14920	Area X	78d	04-Jul-16 A	09-Feb-17	-296d										
Roadworks															
VO189	VO189 (Dated 20 May 2015) - Revised General Arrangement of the Mounting Post for Height Detector	106d	15-Dec-15 A	04-Feb-17	-310d										
14926	Area 3	66d	19-Dec-15 A	20-Feb-17	-321d										
14922	Area 1a / Area 1b	129d	28-Dec-15 A	20-Feb-17	-305d										

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

Leighton Contractors (Asia) Limited

Programme Update 76 (January 2017)

THREE MONTH ROLLING

Project ID: U076
 Baseline: DCP7-2c
 Layout: Update Three Month Rolling U076
 Page 1 of 3

Date	Revision	Checked	Appro...
20-Dec-16	U075	AT	PT
20-Jan-17	U076	AT	PT

Data Date: 20-Jan-17

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

TASK filters: 3 Months_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
14928	Area 4	18d	15-Apr-16 A	27-Feb-17	-321d				
VO150	VO150 (Dated 03 Jul 2015) - Replacement of Damaged Lattice	18d	06-Feb-17*	25-Feb-17	-310d				
Finishes & Landscaping									
14948	Area 4	12d	09-Nov-16 A	10-Mar-17	-321d				
SECTION 7, 7A, 7B & 7C - LANDSCAPE ESTABLISHMENT									
4020	EST - Portion IVD Landscape Establishment	365d	03-Nov-14 A	02-Feb-17	-457d				
4000	EST - Portion IIIA Landscape Establishment	365d	20-Jan-17*	19-Jan-18	-713d				
4030	EST - Portion V Landscape Establishment	365d	20-Jan-17*	19-Jan-18	-808d				
4040	EST - Portion VI Landscape Establishment	365d	11-Mar-17	10-Mar-18	-405d				
SECTION 8 - PRESERVATION & PROTECTION OF TREES									
4100	Tree - Preservation & Protection of Existing Trees	1759d	14-Dec-10 A	10-Mar-17	-405d				
Key Dates for Completion of Sections									
Anticipated Completion									
1139	KD16 - Anticipated Completion	0d		10-Mar-17*	-405d				
1114	KD10 - Anticipated Completion	0d		31-Mar-17*	-426d				
Contract Required Completion									
1095	KD12 - Section 7A Complete (DAY-1870)	0d		20-Jan-17*	-443d				
1105	KD14 - Section 7B Complete (DAY-1870)	0d		20-Jan-17*	-443d				
1115	KD10 - Section 6 Complete (DAY-1958)	0d		20-Jan-17*	-355d				
1125	KD11 - Section 7 Complete (DAY-1965)	0d		20-Jan-17*	-348d				
1140	KD16 - Section 8 Complete (DAY-1958)	0d		20-Jan-17*	-355d				
1135	KD15 - Section 7C Complete (DAY-2323)	0d		29-Jan-17*	0d				
Portion Handover Dates									
Anticipated Handover									
2960a	Portion IIIA Handover - Remaining (KD3 + 28 days) - (EOT 26.5 days added)	0d		20-Jan-17*	-658d				

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

Leighton Contractors (Asia) Limited Programme Update 76 (January 2017) THREE MONTH ROLLING

Project ID: U076
 Baseline: DCP7-2c
 Layout: Update Three Month Rolling U076
 Page 2 of 3

Date	Revision	Checked	Appro...
20-Dec-16	U075	AT	PT
20-Jan-17	U076	AT	PT

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017																
						Jan			Feb			Mar			Apr							
						1	2	3	1	2	3	1	2	3	1	2	3					
Contract Required Handover																						
3096	Portion VI Handover (KD10 + 28 days)	0d		20-Jan-17*	-327d																	



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

Leighton Contractors (Asia) Limited
Programme Update 76 (January 2017)
THREE MONTH ROLLING

Project ID: U076
 Baseline: DCP7-2c
 Layout: Update Three Month Rolling U076
 Page 3 of 3

Date	Revision	Checked	Appro...
20-Dec-16	U075	AT	PT
20-Jan-17	U076	AT	PT

Activity ID	Activity Name	Rem Dur	Start	Finish	2016							2017						
					2016							2017						
					18	25	01	08	15	22	29	05	12	19	26	05	12	19
3MRP - Nov 2016 to Feb 2017																		
02 - PRE-CONSTRUCTION WORKS																		
02.3 - Method Statement / Shop Drawings																		
0230-1390	MS Landscape Deck Structure - ER Review & Comment	0	26-Oct-16 A	22-Nov-16 A	Review & Comment													
0230-1400	MS Landscape Deck Structure - Resubmission	0	23-Nov-16 A	20-Dec-16 A	MS Landscape Deck Structure - Resubmission													
0230-1410	MS Landscape Deck Structure - ER Approval	28	20-Dec-16	16-Jan-17	MS Landscape Deck Structure - ER Approval													
0240-1280	Landscaping Design - ER Review/Resubmission	28	20-Dec-16	16-Jan-17	Landscaping Design - ER Review/Resubmission													
0240-1290	Landscaping Design - ER Approval	28	07-Dec-16 A	13-Feb-17	Landscaping Design - ER Approval													
0240-1295	Landscaping Design - Fabrication & Delivery	28	14-Feb-17	13-Mar-17	Landscaping Design - Fabrication & Delivery													
0240-1298	Green Roof Minimum 2 years Establishment - Start	0	04-Jan-17		Green Roof Minimum 2 years Establishment - Start													
0240-2470	MS for for trial erection of green roof - No Adverse Comment	15	30-Oct-16 A	03-Jan-17	MS for for trial erection of green roof - No Adverse Comment													
A3210	MS for LG-BM Assembly at Pier(F8B - F9B) - ER Review / Comment	0	21-Nov-16 A	26-Nov-16 A	MS for LG-BM Assembly at Pier(F8B - F9B) - ER Review / Comment													
A3220	MS for LG-BM Assembly at Pier(F8B - F9B) - Resubmission	0	27-Nov-16 A	02-Dec-16 A	MS for LG-BM Assembly at Pier(F8B - F9B) - Resubmission													
A3230	MS for LG-BM Assembly at Pier(F8B - F9B) - No Adverse Comment	0	03-Dec-16 A	08-Dec-16 A	MS for LG-BM Assembly at Pier(F8B - F9B) - No Adverse Comment													
02.5 - Bridge Segment/Beam Off-site Precasting																		
0250-4010	Bridge F3B - Pier F8B Segment - 6 nos. (S2) - Mould 2	0	14-Nov-16 A	05-Dec-16 A	Bridge F3B - Pier F8B Segment - 6 nos. (S2) - Mould 2													
0250-4015	Bridge F2B - Pier F3B2 Segment - 5 nos. (S2) - Mould 2	4	06-Dec-16 A	23-Dec-16	Bridge F2B - Pier F3B2 Segment - 5 nos. (S2) - Mould 2													
0250-4017	Bridge F1B2 - Pier F2B2 Segment - 11 nos. (S1) - Mould 2	37	24-Dec-16	08-Feb-17	Bridge F1B2 - Pier F2B2 Segment - 11 nos. (S1) - Mould 2													
0250-4018	Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1) - Mould 2	37	09-Feb-17	23-Mar-17	Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1) - Mould 2													
0250-4040	Bridge F3B - Pier F7B Segment - 11 nos. (S1) - Mould 1	0	17-Oct-16 A	21-Nov-16 A	Bridge F3B - Pier F7B Segment - 11 nos. (S1) - Mould 1													
0250-4045	Bridge F3B - Pier F6B Segment - 13 nos. (S2) - Mould 1	13	22-Nov-16 A	04-Jan-17	Bridge F3B - Pier F6B Segment - 13 nos. (S2) - Mould 1													
0250-4050	Bridge F2B - Pier F4B Segment - 13 nos. (S1) - Mould 1	37	05-Jan-17	18-Feb-17	Bridge F2B - Pier F4B Segment - 13 nos. (S1) - Mould 1													
0250-4055	Bridge F1B2 - Abut D12 Segment - 6 nos. (S2) - Mould 1	20	20-Feb-17	14-Mar-17	Bridge F1B2 - Abut D12 Segment - 6 nos. (S2) - Mould 1													
0250-4100	Bridge F1B1 - Pier F3B1 Segment - 7 nos. (T) - Mould 3	19	02-Jan-17*	23-Jan-17	Bridge F1B1 - Pier F3B1 Segment - 7 nos. (T) - Mould 3													
0250-4110	Bridge F1B1 - Pier F2B1 Segment - 11 nos. (T) - Mould 3	28	24-Jan-17	27-Feb-17	Bridge F1B1 - Pier F2B1 Segment - 11 nos. (T) - Mould 3													
0250-4115	Bridge F1B1 - Pier F1B1 Segment - 13 nos. (T) - Mould 3	32	28-Feb-17	06-Apr-17	Bridge F1B1 - Pier F1B1 Segment - 13 nos. (T) - Mould 3													
A3160	Delivery of Segments - Bridge F3B	14	13-Jan-17	31-Jan-17	Delivery of Segments - Bridge F3B													
A3170	Delivery of Segments - Bridge F2B	18	03-Feb-17	23-Feb-17	Delivery of Segments - Bridge F2B													
05 - SECTION 2 & 2A OF THE WORKS																		
05.1 - Cut & Cover Tunnel Ch 4855-4932 (APS Footprint)																		
05.1.6 - EVB Sub-structure & Tunnel																		
05.1.6 - EVB Outstanding Works																		
0515-3099	Complete EVB Outstanding Works	0		28-Feb-17*	Complete EVB Outstanding Works													
A1960.3	Reinstate the temporary opening	3	07-Jan-17	10-Jan-17	Reinstate the temporary opening													
A1960.5	Sheet Pile Removal	5	10-Nov-16 A	24-Dec-16	Sheet Pile Removal													
A1962.3	Backfill (N46-64/S48-67) for East Vent Bldg - Stage 3	8	10-Nov-16 A	29-Dec-16	Backfill (N46-64/S48-67) for East Vent Bldg - Stage 3													
A1963	Concrete paving / Finishing surface (part 1)	15	30-Dec-16	16-Jan-17	Concrete paving / Finishing surface (part 1)													
A1963.3	Concrete paving / Finishing surface (part 2)	15	17-Jan-17	04-Feb-17	Concrete paving / Finishing surface (part 2)													

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

Contract HY/2009/19
Three Months Rolling Programme (20 Dec 2016 to 19 Feb 2017)

Activity ID	Activity Name	Original Duration	Start	Finish	2016					2017				
					Dec	Jan	Feb	Mar	Apr	Jan	Feb	Mar	Apr	
A2080	Bay S9R Top Slab (29m approx.)	1d	08-Dec-16 A	30-Dec-16	■ Bay S9R Top Slab (29m approx.)									
A2070	Bay N9R Top Slab (26m approx.)	1d	17-Dec-16 A	04-Jan-17	■ Bay N9R Top Slab (26m approx.)									
SR8 Tunnel Structure		96d	13-Nov-16 A	16-Feb-17										
Base Slab of Slip Road 8 (SR8) - 8000 m3		73d	13-Nov-16 A	24-Jan-17										
A2130	Placement of Seawall Blocks for SR4B Construction	8d	13-Nov-16 A	30-Dec-16	■ Placement of Seawall Blocks for SR4B Construction									
A2150	Placement of Seawall Blocks for SR5B Construction	8d	18-Nov-16 A	01-Jan-17	■ Placement of Seawall Blocks for SR5B Construction									
A2170	Placement of Seawall Blocks for SR6B Construction	8d	16-Dec-16 A	02-Jan-17	■ Placement of Seawall Blocks for SR6B Construction									
A2200	Bay SR8B	8d	30-Dec-16	06-Jan-17	■ Bay SR8B									
A2140	Bay SR4B	7d	31-Dec-16	06-Jan-17	■ Bay SR4B									
A2160	Bay SR5B	7d	01-Jan-17	08-Jan-17	■ Bay SR5B									
A2180	Bay SR6B	5d	02-Jan-17	07-Jan-17	■ Bay SR6B									
A2190	Bay SR7B	5d	11-Jan-17	15-Jan-17	■ Bay SR7B									
A2110	Breaking to the Cut Off Level of Diaphragm Wall to be Carried Out after Bay S3R Completion	2d	18-Jan-17	19-Jan-17	■ Breaking to the Cut Off Level of Diaphragm Wall to be Carried Out after Bay S3R Completion									
A2120	Bay SR3B	5d	20-Jan-17	24-Jan-17	■ Bay SR3B									
Wall Structure of SR8 - 2500 m3		27d	07-Jan-17	02-Feb-17										
A2230	Removal of 4th layer and 5th layer ELS	6d	07-Jan-17	12-Jan-17	■ Removal of 4th layer and 5th layer ELS									
A2270	Removal of 4th layer and 5th layer ELS	6d	07-Jan-17	13-Jan-17	■ Removal of 4th layer and 5th layer ELS									
A2250	Removal of 4th layer and 5th layer ELS	6d	08-Jan-17	14-Jan-17	■ Removal of 4th layer and 5th layer ELS									
A2240	Bay SR4 Walls	7d	13-Jan-17	19-Jan-17	■ Bay SR4 Walls									
A2280	Bay SR6 Walls	7d	13-Jan-17	20-Jan-17	■ Bay SR6 Walls									
A2260	Bay SR5 Walls	7d	14-Jan-17	21-Jan-17	■ Bay SR5 Walls									
A2290	Removal of 5th layer ELS	4d	16-Jan-17	19-Jan-17	■ Removal of 5th layer ELS									
A2300	Bay SR7 Walls	5d	20-Jan-17	24-Jan-17	■ Bay SR7 Walls									
A2210	Removal of 4th layer and 5th layer ELS	4d	25-Jan-17	28-Jan-17	■ Removal of 4th layer and 5th layer ELS									
A2220	Bay SR3 Walls	5d	29-Jan-17	02-Feb-17	■ Bay SR3 Walls									
OHVD Structure, Maintenance Walkway and Profile Barrier of SR8 - 2000 m3		35d	04-Jan-17	07-Feb-17										
A2320	Bay SR1R OHVD, Maintenance Walkway and Profile Barrier	7d	04-Jan-17*	10-Jan-17	■ Bay SR1R OHVD, Maintenance Walkway and Profile Barrier									
A2380	Removal of 5th Layer ELS	5d	07-Jan-17	11-Jan-17	■ Removal of 5th Layer ELS									
A2390	Bay SR8R OHVD, Maintenance Walkway and Profile Barrier	4d	12-Jan-17	15-Jan-17	■ Bay SR8R OHVD, Maintenance Walkway and Profile Barrier									
A2340	Bay SR4R OHVD, Maintenance Walkway and Profile Barrier	5d	20-Jan-17	24-Jan-17	■ Bay SR4R OHVD, Maintenance Walkway and Profile Barrier									
A2360	Bay SR6R OHVD, Maintenance Walkway and Profile Barrier	4d	20-Jan-17	24-Jan-17	■ Bay SR6R OHVD, Maintenance Walkway and Profile Barrier									
A2350	Bay SR5R OHVD, Maintenance Walkway and Profile Barrier	7d	21-Jan-17	28-Jan-17	■ Bay SR5R OHVD, Maintenance Walkway and Profile Barrier									
A2370	Bay SR7R OHVD, Maintenance Walkway and Profile Barrier	4d	25-Jan-17	28-Jan-17	■ Bay SR7R OHVD, Maintenance Walkway and Profile Barrier									
A2330	Bay SR3R OHVD, Maintenance Walkway and Profile Barrier	5d	03-Feb-17	07-Feb-17	■ Bay SR3R OHVD, Maintenance Walkway and Profile Barrier									
Top Slab of SR8 - 12000 m3		37d	11-Jan-17	16-Feb-17										
A2400	Bay SR1R	10d	11-Jan-17	20-Jan-17	■ Bay SR1R									
A2460	Bay SR8R	9d	16-Jan-17	24-Jan-17	■ Bay SR8R									
A2440	Bay SR6R	9d	24-Jan-17	02-Feb-17	■ Bay SR6R									
A2420	Bay SR4R	6d	25-Jan-17	30-Jan-17	■ Bay SR4R									
A2430	Bay SR5R	8d	28-Jan-17	05-Feb-17	■ Bay SR5R									
A2450	Bay SR7R	9d	29-Jan-17	06-Feb-17	■ Bay SR7R									
A2410	Bay SR3R	7d	10-Feb-17	16-Feb-17	■ Bay SR3R									
Earthwork Backfilling, ELS Removal and Water Recharging		122d	10-Nov-16 A	11-Mar-17										
East Portion		116d	10-Nov-16 A	05-Mar-17										

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				
					Dec	Jan	Feb	Mar	Apr		
A2470	Stage 1 Backfilling- 6000 m3 (-30 mPD~ -20 mPD, Bay 2 -Bay 4) - 500 m3 per day	13d	10-Nov-16 A	17-Jan-17							
A2480	Stage 2 Backfilling- 28000 m3 (-20 mPD~ -10 mPD, Bay 2- Bay 4) - 1560 m3 per day	18d	18-Jan-17	04-Feb-17							
A2490	Stage 3 Backfilling- 18000 m3 (-10mPD~ -7.0 mPD, Bay 2- Bay 4) - 1000 m3 per day	18d	05-Feb-17	22-Feb-17							
A2510	Closure of wall opening in Bay 1 of CCT (Wall 4 and Wall 5)	11d	12-Feb-17	23-Feb-17							
A2520	Stage 5 Backfilling ~ 10000 m3 (-30 mPD ~ -7.0 mPD, Bay 1) ~ 1000 m3 per day	11d	18-Feb-17	28-Feb-17							
A2500	Removal of 2nd Layer ELS and Removal of Reprop inside Tunnel (Bay 2- Bay 4)	10d	23-Feb-17	04-Mar-17							
A2515	Backfilling of Bay 1	11d	23-Feb-17	05-Mar-17							
A2530	Removal of 2nd Layer ELS (Bay 1)	5d	01-Mar-17	05-Mar-17							
West Portion		33d	13-Jan-17	14-Feb-17							
A2540	Stage 4 Backfilling - 69000 m3 (-30mPD~ -7.0 mPD, Bay 5-8) - 2500 m3 per day	28d	13-Jan-17	09-Feb-17							
A2550	Removal of 2nd Layer ELS - 10 days	13d	02-Feb-17	14-Feb-17							
Water Recharge (CNY- 27/1- 2/2)		6d	06-Mar-17	11-Mar-17							
A2560	Water Re-charge to ELS Cofferdam	6d	06-Mar-17	11-Mar-17							
Skin Wall Removal Works between TS4/TS3W and Shaft D Closure		85d	30-Dec-16	24-Mar-17							
A2570	Design Review and ICE Cert for 1st Stage Skin Wall Removal	15d	30-Dec-16	13-Jan-17							
A2580	Skin Wall Removal Works between TS4/TS3W - 20 days (1st stage) - SR8	20d	14-Jan-17	02-Feb-17							
A2590	Skin Wall Removal Works between TS4/TS3W - 20 days (2nd stage) - After Tunnel Roof Slab Completion - E/B and W/B	20d	03-Feb-17	22-Feb-17							
A2600	Construction of Remaining Tunnel Structure between CH. 4260.2- 4265.2 at SOL T100 for Mainline E/B, W/B, SR8	30d	23-Feb-17	24-Mar-17							
A2610	Shaft D R/C Slab Reinstatement	20d	23-Feb-17	14-Mar-17							
Removal Bulkhead at CH525 (TS3W / SR8 Junction)		51d	21-Jan-17	12-Mar-17							
A4830	Curing Period for Removal of Scaffolding of Bay SR1R of SR8 Roof Slab	10d	21-Jan-17	30-Jan-17							
A5180	Remove Scaffolding of SR1R Roof	4d	31-Jan-17	03-Feb-17							
A6080	Remove Bulkhead between TS3W & SR8	37d	04-Feb-17	12-Mar-17							
Works in KD8		66d	27-Jan-17	02-Apr-17							
TS3W - Remove Temporary Reclamation		66d	27-Jan-17	02-Apr-17							
Stage 1 - North West Corner (Bay Z4-25 to Bay 20)		24d	27-Jan-17	19-Feb-17							
A2650	Break concrete slab at Bay Z4-25 to Bay 20	4d	27-Jan-17	30-Jan-17							
A2660	Remove filled material to -4.35mPD at Bay Z4-25 to Bay 19 (6,500m3)	8d	31-Jan-17	07-Feb-17							
A2670	Remove seawall blocks at Bay Z4-25 to Bay 20 (426 nos.)	8d	08-Feb-17	15-Feb-17							
A2680	Remove filled material to -7.0 mPD	4d	16-Feb-17	19-Feb-17							
Stage 2 - North to East Side (Bay 19 to Bay 11 + Bay 26 to Bay 28)		14d	31-Jan-17	13-Feb-17							
A2690	Break concrete slab at Bay 19 to Bay 11 + Bay 26 to Bay 28 (2,500m2)	7d	31-Jan-17	06-Feb-17							
A2700	Remove filled material to +2.8mPD (2,500m3)	7d	07-Feb-17	13-Feb-17							
Stage 3 - North to East Side (Bay 19 to bay 26)		22d	12-Mar-17	02-Apr-17							
North West D-wall Opening		19d	12-Mar-17	30-Mar-17							
A2720	Core D-wall cut holes at Panel DW02 to NA6 (27 nos.)	4d	12-Mar-17	15-Mar-17							
A2730	Vertical cut at Panel DW02 to NA6 (19 nos.)	8d	16-Mar-17	23-Mar-17							
A2740	Horizontal cut at Panel DW02 to NA6 (25 nos.)	7d	24-Mar-17	30-Mar-17							
North East & East		22d	12-Mar-17	02-Apr-17							
A2750	Remove filled material to -4.35mPD (22,500m3)	9d	12-Mar-17	20-Mar-17							
A2760	Remove seawall blocks at Bay 19 to 11 & Bay 26 to 28 (1,335 nos.)	13d	21-Mar-17	02-Apr-17							
Works in KD6		333d	19-Apr-16 A	18-Mar-17							
Works in SR8 (Open Cut Method)		333d	19-Apr-16 A	18-Mar-17							
SR8 (Zone C) - Ch. 528 to Ch. 368		109d	18-Nov-16 A	18-Mar-17							

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017							
					Dec	Jan	Feb	Mar	Apr					
ELS														
Area B (CH475 to CH514) - steel Deck EB + SR8/TS3 Interface														
Strut & Waling Installation for SL5														
A3470	Area B - Waling Installation	6d	19-Nov-16 A	02-Dec-16 A										
A3480	Area B - Strut Installation for SL5	9d	30-Nov-16 A	03-Dec-16 A										
A1621	Area B - Bracing Installation for Layer 2 (Bottom Horizontal & Diagonal)	1d	07-Dec-16 A	07-Dec-16 A										
Excavation to -17.9mPD From SL5 to Formation (3,908 m3 / 540m3/D approx.3.3m Depth)														
A3440	Area B - Excavation 1st cycle (1.2m Depth) & Lagging Plate	4d	30-Nov-16 A	01-Dec-16 A										
A3450	Area B - Excavation 2nd cycle (1.2m Depth) & Lagging Plate	4d	02-Dec-16 A	03-Dec-16 A										
A3460	Area B - Excavation 3rd cycle (0.9m Depth) & Lagging Plate	3d	04-Dec-16 A	05-Dec-16 A										
Excavation for Rock Fill (1000mm Below F.L./1,576 m3/ 540m3/D)														
A3490	Area B - Excavation further down to 1000mm below F.L.	1d	30-Dec-16	30-Dec-16										
A3500	Area B - Lay & Compact Rock Fill	4d	31-Dec-16	03-Jan-17										
A3510	Area B - Blinding / Divert Ground Water by Submerge Pump	2d	03-Jan-17	04-Jan-17										
Tunnel Structure														
Area A (CH384 to CH475 - Victoria Park to Steel Deck WB + IEC)														
Vertical Blinding Bay C1 to C4														
A4300	Bay C4	13d	29-Nov-16 A	09-Dec-16 A										
Tunnel Structure at Area A - Bay C1 to C4														
Bay C2														
Structure														
1.2m Thick Base Slab														
T1350	C2 Base - Concreting	1d	30-Nov-16 A	30-Nov-16 A										
T1370	C2 Base - Remove 3th & 5th Strut SL3 & SL5 (2 Nos@SL5 & 8 Nos@SL3)	3d	09-Dec-16 A	16-Dec-16 A										
1m Thick Tunnel Wall at Both Sides & OHVD Slab														
T1380	C2 Wall & OHVD - Erect Scaffolding & Soffit Formwork	4d	22-Dec-16 A	30-Dec-16										
T1390	C2 Wall & OHVD - Steel Fixing & Wall Formwork	5d	30-Dec-16	03-Jan-17										
T1400	C2 Wall & OHVD - Concreting	1d	04-Jan-17	04-Jan-17										
400mm Thick OHVD Hanger Wall & 1.2m Thick Top Slab														
T1440	C2 OHVD Hanger Wall & Roof - Erect Falsework & Soffit Formworks + Hanger Wall Formwork	3d	05-Jan-17	07-Jan-17										
T1450	C2 OHVD Hanger Wall & Roof - Steel Fixing (+1 d for Wall Steel fixing)	6d	08-Jan-17	13-Jan-17										
T1460	C2 OHVD Hanger Wall & Roof - Top slab CJ Formwork Erection & Water Stop	2d	14-Jan-17	15-Jan-17										
T1470	C2 OHVD Hanger Wall & Roof - Concreting	1d	16-Jan-17	16-Jan-17										
Removal of Falseworks & SL4														
T1550	C2 Roof - 10 Days Curing of Roof Prior to Removal of Falsework	10d	17-Jan-17	26-Jan-17										
T1560	C2 Roof - Remove Falsework	6d	27-Jan-17	05-Feb-17										
T2730	C2 Wall - Remove Strut SL4 (8 No / Layer/ Bay C2)	3d	06-Feb-17	08-Feb-17										
Egress Passage														
Wall of EP														
A3780	C2 Erect Scaffolding & working Platform	1d	08-Feb-17	09-Feb-17										
A3750	C2 Internal Wall Formwork	2d	09-Feb-17	11-Feb-17										
A3760	C2 Steel Fixing to Wall	2d	11-Feb-17	13-Feb-17										
A3770	C2 External Wall Formwork	3d	13-Feb-17	16-Feb-17										
A3790	C2 Concrete to Wall	1d	16-Feb-17	17-Feb-17										

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017				
					Dec	Jan	Feb	Mar	Apr		
Roof of EP											
A3800	C2 Scaffolding & Soffit Formwork	3d	17-Feb-17	20-Feb-17							
A3810	C2 Steel Fixing to Roof	2d	20-Feb-17	22-Feb-17							
A3820	C2 Side Formwork for Wall up to Roof Top	2d	22-Feb-17	24-Feb-17							
A3830	C2 Concrete to Roof	1d	24-Feb-17	25-Feb-17							
Utility Trough											
Left Hand Side											
A3850	C2 - LHS Backing Concrete of Utility Trough	4d	25-Feb-17	01-Mar-17							
A3840	C2 - LHS Profile Barrier of Utility Trough	4d	01-Mar-17	05-Mar-17							
Right Hand Side											
A3860	C2 - RHS Backing Concrete of Utility Trough	4d	08-Feb-17	12-Feb-17							
A3870	C2 - RHS Profile Barrier of Utility Trough	4d	12-Feb-17	16-Feb-17							
Bay C1											
Structure											
A4280	Fixing T-Grid Waterproofing on Base Slab & Vertical Blinding	3d	18-Nov-16 A	01-Dec-16 A							
1.2m Thick Base Slab											
T2780	C1 Base - Rebar Fixing	5d	02-Dec-16 A	06-Dec-16 A							
T2790	C1 Base - Kicker Formwork & Water Stop	2d	07-Dec-16 A	07-Dec-16 A							
T2800	C1 Base - Concreting	1d	08-Dec-16 A	08-Dec-16 A							
T2820	C1 Base - Remove 3th & 5th Strut SL3 & SL5 (0 Nos@SL5 & 6 Nos@SL3)	2d	12-Dec-16 A	19-Dec-16 A							
1m Thick Tunnel Wall at Both Sides & OHVD Slab											
T2830	C1 Wall & OHVD - Erect Scaffolding & Soffit Formwork	3d	30-Dec-16	01-Jan-17							
T2840	C1 Wall & OHVD - Steel Fixing	4d	02-Jan-17	05-Jan-17							
T2850	C1 Wall & OHVD - Wall Formwork + Side Formwork for OHVD Slab	1d	06-Jan-17	06-Jan-17							
T2860	C1 Wall & OHVD - Concreting	1d	07-Jan-17	07-Jan-17							
400mm Thick OHVD Hanger Wall & 1.2m Thick Top Slab											
T2870	C1 OHVD Hanger Wall & Roof - Erect Falsework & Soffit Formworks + Hanger Wall Formwork	3d	08-Jan-17	10-Jan-17							
T2880	C1 OHVD Hanger Wall & Roof - Steel Fixing (+1 D for Wall Steel Fixing)	6d	11-Jan-17	16-Jan-17							
T2890	C1 OHVD Hanger Wall & Roof - Top slab CJ Formwork Erection & Water Stop	1d	17-Jan-17	17-Jan-17							
T2910	C1 OHVD Hanger Wall & Roof - Concreting	1d	18-Jan-17	18-Jan-17							
Removal of Falseworks & SL4											
T1310	C1 Roof - 10 Days Curing of Roof Prior to Removal of Falsework	10d	19-Jan-17	28-Jan-17							
T1320	C1 Roof - Remove Falsework	6d	01-Feb-17	06-Feb-17							
T2740	C1 Wall - Remove Strut SL4 (6 No / Layer/ Bay C1)	2d	07-Feb-17	08-Feb-17							
Egress Passage											
Wall of EP											
A3650	C1 Erect Scaffolding & working Platform	1d	09-Feb-17	09-Feb-17							
A3620	C1 Internal Wall Formwork	2d	10-Feb-17	11-Feb-17							
A3630	C1 Steel Fixing to Wall	2d	12-Feb-17	13-Feb-17							
A3640	C1 External Wall Formwork	3d	14-Feb-17	16-Feb-17							
A3660	C1 Concrete to Wall	1d	17-Feb-17	17-Feb-17							
Roof of EP											
A3670	C1 Scaffolding & Soffit Formwork	3d	18-Feb-17	20-Feb-17							
A3680	C1 Steel Fixing to Roof	2d	21-Feb-17	22-Feb-17							

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017			
					Dec	Jan	Feb	Mar	Apr	
Utility Trough										
Left Hand Side										
A4000	C3 - LHS Backing Concrete of Utility Trough	4d	27-Feb-17	02-Mar-17	C3 - LHS Backing Concrete of Utility Trough					
A4010	C3 - LHS Profile Barrier of Utility Trough	4d	03-Mar-17	06-Mar-17	C3 - LHS Profile Barrier of Utility Trough					
Right Hand Side										
A4020	C3 - RHS Backing Concrete of Utility Trough	4d	10-Feb-17	13-Feb-17	C3 - RHS Backing Concrete of Utility Trough					
A4030	C3 - RHS Profile Barrier of Utility Trough	4d	14-Feb-17	17-Feb-17	C3 - RHS Profile Barrier of Utility Trough					
Bay C4										
Structure										
A4310	Fixing T-Grid Waterproofing on Base Slab & Vertical Blinding	3d	14-Dec-16 A	18-Dec-16 A	Fixing T-Grid Waterproofing on Base Slab & Vertical Blinding					
1.2m Thick Base Slab										
T3120	C4 Base - Rebar Fixing	3d	19-Dec-16 A	21-Dec-16 A	C4 Base - Rebar Fixing					
T3130	C4 Base - Kicker Formwork & Water Stop	2d	22-Dec-16 A	22-Dec-16 A	C4 Base - Kicker Formwork & Water Stop					
T3140	C4 Base - Concreting	1d	23-Dec-16 A	23-Dec-16 A	C4 Base - Concreting					
T3160	C4 Base - Remove 3th & 5th Strut SL3 & SL5 (3 Nos@SL5 & 8 Nos@SL3)	4d	30-Dec-16	02-Jan-17	C4 Base - Remove 3th & 5th Strut SL3 & SL5 (3 Nos@SL5 & 8 Nos@SL3)					
1m Thick Tunnel Wall at Both Sides & OHVD Slab										
T3170	C4 Wall & OHVD - Erect Scaffolding & Soffit Formwork	4d	02-Jan-17	06-Jan-17	C4 Wall & OHVD - Erect Scaffolding & Soffit Formwork					
T3180	C4 Wall & OHVD - Steel Fixing	5d	06-Jan-17	11-Jan-17	C4 Wall & OHVD - Steel Fixing					
T3190	C4 Wall & OHVD - Wall Formwork + Side Formwork for OHVD Slab	1d	11-Jan-17	12-Jan-17	C4 Wall & OHVD - Wall Formwork + Side Formwork for OHVD Slab					
T3200	C4 Wall & OHVD - Concreting	1d	12-Jan-17	13-Jan-17	C4 Wall & OHVD - Concreting					
400mm Thick OHVD Hanger Wall & 1.2m Thick Top Slab										
T3210	C4 OHVD Hanger Wall & Roof - Erect Falsework & Soffit Formworks + Hanger Wall Formwork	3d	13-Jan-17	16-Jan-17	C4 OHVD Hanger Wall & Roof - Erect Falsework & Soffit Formworks + Hanger Wall Formwork					
T3220	C4 OHVD Hanger Wall & Roof - Steel Fixing (+1 D for Wall Fixing)	4d	16-Jan-17	20-Jan-17	C4 OHVD Hanger Wall & Roof - Steel Fixing (+1 D for Wall Fixing)					
T3230	C4 OHVD Hanger Wall & Roof - Top slab CJ Formwork Erection & Water Stop	1d	20-Jan-17	21-Jan-17	C4 OHVD Hanger Wall & Roof - Top slab CJ Formwork Erection & Water Stop					
T3250	C4 OHVD Hanger Wall & Roof - Concreting	1d	21-Jan-17	22-Jan-17	C4 OHVD Hanger Wall & Roof - Concreting					
Removal of Falseworks & SL5										
T3300	C4 Roof - 10 Days Curing of Roof Prior to Removal of Falsework	10d	22-Jan-17	01-Feb-17	C4 Roof - 10 Days Curing of Roof Prior to Removal of Falsework					
T3310	C4 Roof - Remove Falsework	6d	01-Feb-17	07-Feb-17	C4 Roof - Remove Falsework					
T3290	C4 Wall - Remove Strut SL4 (8 No / Layer/ Bay C3)	3d	07-Feb-17	10-Feb-17	C4 Wall - Remove Strut SL4 (8 No / Layer/ Bay C3)					
Egress Passage										
Wall of EP										
A4140	C4 Erect Scaffolding & working Platform	1d	10-Feb-17	11-Feb-17	C4 Erect Scaffolding & working Platform					
A4110	C4 Internal Wall Formwork	2d	11-Feb-17	13-Feb-17	C4 Internal Wall Formwork					
A4120	C4 Steel Fixing to Wall	2d	13-Feb-17	15-Feb-17	C4 Steel Fixing to Wall					
A4130	C4 External Wall Formwork	3d	15-Feb-17	18-Feb-17	C4 External Wall Formwork					
A4150	C4 Concrete to Wall	1d	18-Feb-17	19-Feb-17	C4 Concrete to Wall					
Roof of EP										
A4160	C4 Scaffolding & Soffit Formwork	3d	19-Feb-17	22-Feb-17	C4 Scaffolding & Soffit Formwork					
A4170	C4 Steel Fixing to Roof	2d	22-Feb-17	24-Feb-17	C4 Steel Fixing to Roof					
A4180	C4 Side Formwork for Wall up to Roof Top	2d	24-Feb-17	26-Feb-17	C4 Side Formwork for Wall up to Roof Top					
A4190	C4 Concrete to Roof	1d	26-Feb-17	27-Feb-17	C4 Concrete to Roof					
Utility Trough										
Left Hand Side										
A4200	C4 - LHS Backing Concrete of Utility Trough	4d	27-Feb-17	03-Mar-17	C4 - LHS Backing Concrete of Utility Trough					

Activity ID	Activity Name	Original Duration	Start	Finish	2016					2017				
					Dec	Jan	Feb	Mar	Apr	Jan	Feb	Mar	Apr	
Structure														
1.2m Thick Base Slab														
T2490	C6 Base - Rebar Fixing	4d	07-Jan-17	11-Jan-17	C6 Base - Rebar Fixing									
T2500	C6 Base - Kicker Formwork & Water Stop	1d	11-Jan-17	12-Jan-17	C6 Base - Kicker Formwork & Water Stop									
T2510	C6 Base - Concreting	1d	12-Jan-17	13-Jan-17	C6 Base - Concreting									
T2520	C6 Base - Remove Kicker Formwork & Make Good C.J.	1d	13-Jan-17	14-Jan-17	C6 Base - Remove Kicker Formwork & Make Good C.J.									
T2530	C6 Base - Remove Strut SL6 (3 Nos/Bay C6)	1d	14-Jan-17	15-Jan-17	C6 Base - Remove Strut SL6 (3 Nos/Bay C6)									
200 mm Thick OHVD Slab														
T2660	C6 OHVD - Erect Falsework	2d	15-Jan-17	17-Jan-17	C6 OHVD - Erect Falsework									
T2670	C6 OHVD - Erect Soffit Formwork	2d	17-Jan-17	19-Jan-17	C6 OHVD - Erect Soffit Formwork									
T2680	C6 OHVD - Steel Fixing for Slab	2d	28-Jan-17	30-Jan-17	C6 OHVD - Steel Fixing for Slab									
T2690	C6 OHVD - Placing Concrete to Slab	1d	30-Jan-17	31-Jan-17	C6 OHVD - Placing Concrete to Slab									
1.2m Thick Top Slab														
T3570	C6 Roof - Erect Falsework & Soffit Formwork	4d	06-Feb-17	10-Feb-17	C6 Roof - Erect Falsework & Soffit Formwork									
T3580	C6 Roof - Steel Fixing	4d	10-Feb-17	14-Feb-17	C6 Roof - Steel Fixing									
T3590	C6 Roof - Placing Concrete to Roof Slab & OHVD Hanger Wall	1d	14-Feb-17	15-Feb-17	C6 Roof - Placing Concrete to Roof Slab & OHVD Hanger Wall									
Removal of Falseworks & SL4														
T2640	C6 Roof - 10 Days Curing of Roof Prior to Removal of Falsework	10d	15-Feb-17	25-Feb-17	C6 Roof - 10 Days Curing of Roof Prior to Removal of Falsework									
T2650	C6 Roof - Remove Falsework	5d	25-Feb-17	02-Mar-17	C6 Roof - Remove Falsework									
Utility Trough														
Left Hand Side														
A4240	C6 - LHS Backing Concrete of Utility Trough	4d	10-Mar-17	14-Mar-17	C6 - LHS Backing Concrete of Utility Trough									
A4250	C6 - LHS Profile Barrier of Utility Trough	4d	14-Mar-17	18-Mar-17	C6 - LHS Profile Barrier of Utility Trough									
Right Hand Side														
A4260	C6 - RHS Backing Concrete of Utility Trough	4d	02-Mar-17	06-Mar-17	C6 - RHS Backing Concrete of Utility Trough									
A4270	C6 - RHS Profile Barrier of Utility Trough	4d	06-Mar-17	10-Mar-17	C6 - RHS Profile Barrier of Utility Trough									
SR8 (Zone B) - Ch.385.000 to Ch.317.500 - (Inside Victoria Park to Tunnel Portal)														
SR8 (Zone B) Tunnel - ELS / CCT / BF Works (7 Bays Ch. 385.000 to Ch.317.500)														
Portal Structure														
Backfill & Remove Struts														
SR8_ZB_1350	Zone B - Backfill Gap between Structural Wall & Pipe Piles	4d	19-Apr-16 A	17-Jan-17	Zone B - Backfill Gap between Structural Wall & Pipe Piles									
SR8_ZB_1380	Zone B - Remove Top Layer of Strut for Pump House Manhole Construction	8d	17-Jan-17	26-Jan-17	Zone B - Remove Top Layer of Strut for Pump House Manhole Construction									
OHVD														
Bay B2 (CH338.625 to CH351.8)														
SR8_ZB_1390	Zone B - OHVD Bay 2 - Erect Scaffolding & Soffit Formwork	6d	25-Jan-17	03-Feb-17	Zone B - OHVD Bay 2 - Erect Scaffolding & Soffit Formwork									
SR8_ZB_1400	Zone B - OHVD Bay 2 - Rebar Fixing for Slab of OHVD	3d	06-Feb-17	08-Feb-17	Zone B - OHVD Bay 2 - Rebar Fixing for Slab of OHVD									
SR8_ZB_1410	Zone B - OHVD Concrete of Slab of OHVD	1d	09-Feb-17	09-Feb-17	Zone B - OHVD Concrete of Slab of OHVD									
SR8_ZB_1420	Zone B - OHVD Rebar Fixing to Hanger Wall	1d	10-Feb-17	10-Feb-17	Zone B - OHVD Rebar Fixing to Hanger Wall									
SR8_ZB_1450	Zone B - OHVD Curing Period for OHVD Slab	10d	10-Feb-17	19-Feb-17	Zone B - OHVD Curing Period for OHVD Slab									
SR8_ZB_1430	Zone B - OHVD Erect Hanger Wall Formwork for OHVD	2d	11-Feb-17	13-Feb-17	Zone B - OHVD Erect Hanger Wall Formwork for OHVD									
SR8_ZB_1440	Zone B - OHVD Concrete Hanger Wall of OHVDV	1d	14-Feb-17	14-Feb-17	Zone B - OHVD Concrete Hanger Wall of OHVDV									
SR8_ZB_1460	Zone B - OHVD Remove Soffit Formwork & Scaffolding	5d	20-Feb-17	24-Feb-17	Zone B - OHVD Remove Soffit Formwork & Scaffolding									
Bay B3 (CH351.8 to CH368)														
SR8_ZB_1470	Zone B - OHVD Bay 3 - Erect Scaffolding & Soffit Formwork	6d	17-Jan-17	23-Jan-17	Zone B - OHVD Bay 3 - Erect Scaffolding & Soffit Formwork									

Activity ID	Activity Name	Original Duration	Start	Finish	2016		2017						
					Dec	Jan	Feb	Mar	Apr				
SR8_ZB_1480	Zone B - OHVD Bay 3 - Rebar Fixing for Slab of OHVD	3d	24-Jan-17	26-Jan-17									
SR8_ZB_1490	Zone B - OHVD Bay 3 - Concrete of Slab of OHVD	1d	27-Jan-17	27-Jan-17									
SR8_ZB_1530	Zone B - OHVD Bay 3 - Curing Period for OHVD Slab	10d	28-Jan-17	06-Feb-17									
SR8_ZB_1500	Zone B - OHVD Bay 3 - Rebar Fixing to Hanger Wall	1d	01-Feb-17	01-Feb-17									
SR8_ZB_1510	Zone B - OHVD Bay 3 - Erect Hanger Wall Formwork for OHVD	2d	02-Feb-17	03-Feb-17									
SR8_ZB_1520	Zone B - OHVD Bay 3 - Concrete Hanger Wall of OHVDV	1d	04-Feb-17	04-Feb-17									
SR8_ZB_1540	Zone B - OHVD Bay 3 - Remove Soffit Formwork & Scaffolding	5d	07-Feb-17	11-Feb-17									
Utility Trough		28d	30-Dec-16	04-Feb-17									
Left Hand Side		21d	09-Jan-17	04-Feb-17									
SR8_ZB_1570	Zone B - U trough (LHS) Bay 3	7d	09-Jan-17	16-Jan-17									
SR8_ZB_1560	Zone B - U trough (LHS) Bay 2	7d	17-Jan-17	24-Jan-17									
SR8_ZB_1550	Zone B - U trough (LHS) Bay 1	7d	25-Jan-17	04-Feb-17									
Right Hand Side		21d	30-Dec-16	24-Jan-17									
SR8_ZB_1600	Zone B - U trough (RHS) Bay 3	7d	30-Dec-16*	07-Jan-17									
SR8_ZB_1590	Zone B - U trough (RHS) Bay 2	7d	09-Jan-17	16-Jan-17									
SR8_ZB_1580	Zone B - U trough (RHS) Bay 1	7d	17-Jan-17	24-Jan-17									
Pump House		53d	30-Dec-16	20-Feb-17									
Pressure Relief Manhole		14d	26-Jan-17	15-Feb-17									
SR8_ZB_1800	PS- Manhole Internal Wall Formwork	4d	26-Jan-17	03-Feb-17									
SR8_ZB_1810	PS- Erect Scaffolding + Roof Soffit Formwork	5d	03-Feb-17	09-Feb-17									
SR8_ZB_1820	PS- Rebar Fixing	4d	09-Feb-17	14-Feb-17									
SR8_ZB_1830	PS- Place Concrete to Manhole Wall & Roof Slab	1d	14-Feb-17	15-Feb-17									
Floor Slabs & Partition Walls		14d	03-Feb-17	20-Feb-17									
SR8_ZB_1860	PS-Internal Wall Inside Pump House	14d	03-Feb-17	20-Feb-17									
Remining Works inside Pump Sump E		52d	30-Dec-16	19-Feb-17									
SR8_ZB_1890	Steel Works Installation inside Pump Sump E	45d	30-Dec-16	12-Feb-17									
SR8_ZB_1900	Installation Manhole Covers for Pump Sump E	7d	13-Feb-17	19-Feb-17									
SR8 (Zone A) - Ch 317.500 to Ch 210.000 - U-Structure & Slab (Victoria Park)		37d	23-Dec-16 A	02-Feb-17									
RC CCT & Backfill Ch317.5000 to Ch240.000		28d	23-Dec-16 A	02-Feb-17									
Structure		28d	23-Dec-16 A	02-Feb-17									
Utility Through		28d	23-Dec-16 A	02-Feb-17									
SR8_ZA_1260	Zone A - Utility Trough for Zone A (CH240 to CH317)	28d	23-Dec-16 A	02-Feb-17									
SR8 Structural Slab Ch.240.000 to Ch.210.000		14d	30-Dec-16	12-Jan-17									
SR8_2090B	Zone A - Wall - Bay 3	14d	30-Dec-16*	12-Jan-17									
Works in KD9 (Include Re-provisioning Works of KD4,KD5)		231d	10-Oct-16 A	05-Jul-17									
External Works Under KD9		231d	14-Nov-16 A	05-Jul-17									
Tsing Fung St - RW & Subway Extension & Toe Wall at Hing Fat St		115d	03-Dec-16 A	30-Mar-17									
Retaining Wall + Toe Wall at Hing Fat Street		115d	03-Dec-16 A	30-Mar-17									
Retaining Wall RW8D		115d	03-Dec-16 A	14-Mar-17									
Bay 3(10m) to Bay 4(10m)		3d	30-Dec-16	01-Jan-17									
RW8D_1220	RW8D (Bay 3 to Bay 4) - Sub-soil & Backfilling to Base Slab	3d	30-Dec-16	01-Jan-17									
Bay 2(10m) to Bay 1(12.5m)		3d	30-Dec-16	01-Jan-17									
RW8D_1230	RW8D(B2 to B1) - Sub-soil & Backfilling to Base	3d	30-Dec-16	01-Jan-17									
Re-open Hing Fat Street Footpath to Plubic (Request by VPMO)		111d	03-Dec-16 A	14-Mar-17									

Activity ID	Activity Name	Original Duration	Start	Finish	2016					2017								
					Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
A4590	Backfilling of Wall after Completion of RW8D Construction	9d	03-Dec-16 A	07-Dec-16 A	Wall after Completion of RW8D Construction													
A4600	Reinstatement of footpath for temp open to public	9d	07-Dec-16 A	14-Dec-16 A	Reinstatement of footpath for temp open to public													
A4610	Re-open Hing Fat Street Footpath for Public (From 5m CCTV footing to subway)	90d	15-Dec-16 A	14-Mar-17	Re-open Hing Fat Street Footpath for Public													
Works along RW8D During Reopen Hing Fat Street Footpath to Public		63d	03-Jan-17	07-Mar-17														
A4910	Cross Road Duct to Connect C19 Cable Draw Pit at Island in Tsing Fung Street	45d	03-Jan-17*	28-Feb-17	Cross Road Duct to Connect C19 Cable Draw Pit at Island in Tsing Fung Street													
A4920	Demolition of Wall Head of Existing Retaining Wall at Tsing Fung Street	14d	19-Jan-17	08-Feb-17	Demolition of Wall Head of Existing Retaining Wall at Tsing Fung Street													
A4930	Install Steel Vehicle Parapet on Wall Top from RW8D to RW8C	14d	07-Feb-17	21-Feb-17	Install Steel Vehicle Parapet on Wall Top from RW8D to RW8C													
A4940	Minor Road Works above Demolished Wall Head	14d	08-Feb-17	24-Feb-17	Minor Road Works above Demolished Wall Head													
A4950	Realign & Provide the New Road Marking From Hing Fat Street to Tsing Fung Street	7d	25-Feb-17	07-Mar-17	Realign & Provide the New Road Marking From Hing Fat Street to Tsing Fung Street													
Retaining Walls RW8E, Sign Footings & Sewer Pipe (SK266G, SK539C, SK375B)		14d	15-Mar-17	30-Mar-17														
A4620	Excavate and lay blinding layer of RW8E	14d	15-Mar-17	30-Mar-17	Excavate													
Foul Drain Pipe (VP Area, SK266G, SK265C & SK226L)		76d	14-Nov-16 A	21-Feb-17														
A4480	MH2-68B to MH2-69	14d	14-Nov-16 A	12-Dec-16 A	MH2-68B to MH2-69													
A4490	MH2-69 to MH2-70	14d	30-Dec-16	16-Jan-17	MH2-69 to MH2-70													
A4440	MH2-63 to MH2-64 (under temp containers)	14d	16-Jan-17*	04-Feb-17	MH2-63 to MH2-64 (under temp containers)													
A4460	MHA (beside pump sump E) to MH2-61	14d	04-Feb-17	21-Feb-17	MHA (beside pump sump E) to MH2-61													
Storm Drain Pipe behind RW8C along Tsing Fung Street (SK547A)		60d	21-Nov-16 A	16-Jan-17														
A4510	MH TFS-03 to MH TFS-04 (with gully)	14d	21-Nov-16 A	14-Dec-16 A	MH TFS-03 to MH TFS-04 (with gully)													
A4520	MH TFS-04 to TFS-04a	11d	05-Dec-16 A	09-Dec-16 A	MH TFS-04 to TFS-04a													
A4530	TFS-04a to Extg MHA1	11d	10-Dec-16 A	15-Dec-16 A	TFS-04a to Extg MHA1													
A4540	MHTFS-05 to extg MH A3 (gully)	14d	30-Dec-16	16-Jan-17	MHTFS-05 to extg MH A3 (gully)													
Sign Footings at Victoria Park		75d	30-Dec-16	31-Mar-17														
A4570	Construction of 5m CCTV, AID, OHVD, TSG, luminance meter at verge inside VP	60d	30-Dec-16	14-Mar-17	Construction of 5m CCTV, AID, OHVD, TSG, luminance meter at verge inside VP													
A4580	All drawpits (ATC, E&M and lighting) and ductings at verge inside VP (SK375B)	60d	18-Jan-17	31-Mar-17	All drawpits (ATC, E&M and lighting) and ductings at verge inside VP (SK375B)													
Boundary Fence, Type 2 Railing Footings & Fence Wall From RW8C to Zone B		188d	23-Dec-16 A	05-Jul-17														
A4710	Modification of extg type 2 railing footing in front of RW8C (approx. 40m)	30d	23-Dec-16 A	14-Mar-17	Modification of extg type 2 railing footing													
A4700	Construction of boundary fence adjacent RW8C toe wall (approx. 40m)	30d	30-Dec-16*	07-Feb-17	Construction of boundary fence adjacent RW8C toe wall (approx. 40m)													
A4990	Abour Footings Construction	14d	11-Mar-17	25-Mar-17	Abour Footings Construction													
A4720	Construction of boundary fence (approx. 460m)	90d	15-Mar-17	05-Jul-17	Construction of boundary fence (approx. 460m)													
A5000	Shelter & Benches Installation	21d	25-Mar-17	15-Apr-17	Shelter & Benches Installation													
A4730	Fence wall between BGO and Zone A (60m)	30d	24-Nov-17 A	11-Mar-17	Fence wall between BGO and Zone A (60m)													
Other Storm, Sewerage Pipe & Irrigation System in VP (SK336D, SK539C)		70d	04-Feb-17	04-May-17														
A4740	FMH-B03 to Extg 1-40 (8 MHS and 7 foul pipeline)	40d	04-Feb-17	23-Mar-17	FMH-B03 to Extg 1-40													
A4780	Complete Backfilling & Removal Top Two Layer of Strut at Bay 3 of Zone B	14d	01-Mar-17*	16-Mar-17	Complete Backfilling & Removal Top Two Layer of Strut at Bay 3 of Zone B													
A4760	MHB (beside pump sump E) to MH2-70 (300 dia. stormwater pipeline)	14d	17-Mar-17	01-Apr-17	MHB (beside pump sump E) to MH2-70 (300 dia. stormwater pipeline)													
A4750	SHM-B01 to Extg. MH A3 (4 MHS and 4 storm pipeline)	30d	23-Mar-17	04-May-17	SHM-B01 to Extg. MH A3 (4 MHS and 4 storm pipeline)													
Preparation Works before Implementation TTA at Central Median		64d	30-Dec-16	04-Mar-17														
A4790	Construction of drawpit, ducting and remedial work on top of RW8C etc on top of RW8C	30d	30-Dec-16	07-Feb-17	Construction of drawpit, ducting and remedial work on top of RW8C etc on top of RW8C													
A4800	Lay temp bituminous pavement for road diversion beside RW8C (Incl. Steel Vehicle Parapet on RW8C)	20d	08-Feb-17	02-Mar-17	Lay temp bituminous pavement for road diversion beside RW8C (Incl. Steel Vehicle Parapet on RW8C)													
A4810	Implement TTA for Closing Central Median at Tsing Fung Street	1d	03-Mar-17	04-Mar-17	Implement TTA for Closing Central Median at Tsing Fung Street													
Centre Median at Tsing Fung Street (SK375B, SK226L)		60d	04-Mar-17	19-May-17														
A4820	Construct VMS6, LCS footing, ATC drawpit and ducts, steel vehicle parapet	60d	04-Mar-17	19-May-17	Construct VMS6, LCS footing, ATC drawpit and ducts, steel vehicle parapet													
Works in Victoria Park (KD4, KD5, KD9)		153d	10-Oct-16 A	02-Jun-17														
Re-Provisioning Works		153d	10-Oct-16 A	02-Jun-17														

Activity ID	Activity Name	Original Duration	Start	Finish	2016					2017				
					Dec	Jan	Feb	Mar	Apr	Dec	Jan	Feb	Mar	Apr
Nursery Compound														
Submission														
ABWF Submission														
Material														
VP_NC_1050	ABWF Materail - ER Review and Approval	28d	18-Oct-16 A	30-Dec-16	ABWF Materail - ER Review and Approval									
VP_NC_1060	ABWF Issue P.O. / MAnufacturing / Fabrication	30d	30-Dec-16	07-Feb-17	ABWF Issue P.O. / MAnufacturing / Fabrication									
VP_NC_1070	ABWF Materail Delivery	30d	08-Feb-17	14-Mar-17	ABWF Materail Delivery									
Shop Drawing														
VP_NC_1080	ABWF Shop Drawing - Submission	21d	10-Oct-16 A	31-Dec-16	ABWF Shop Drawing - Submission									
VP_NC_1090	ABWF Shop Drawing - ER Review and Approval	60d	03-Jan-17	16-Mar-17	ABWF Shop Drawing - ER Review and Approval									
E&M Submission														
Material														
VP_NC_1130	E&M Materail - ER Review and Approval	28d	21-Oct-16 A	06-Jan-17	E&M Materail - ER Review and Approval									
VP_NC_1140	E&M Issue P.O. / MAnufacturing / Fabrication	15d	07-Jan-17	24-Jan-17	E&M Issue P.O. / MAnufacturing / Fabrication									
VP_NC_1150	E&M Materail Delivery	30d	25-Jan-17	03-Mar-17	E&M Materail Delivery									
Shop Drawing														
VP_NC_1160	E&M Shop Drawing - Submission	21d	07-Jan-17	03-Feb-17	E&M Shop Drawing - Submission									
VP_NC_1170	E&M Shop Drawing - ER Review and Approval	30d	04-Feb-17	10-Mar-17	E&M Shop Drawing - ER Review and Approval									
Nursery compound														
A4370	Backfill to ground slab and beams (including underground PE pipes installation work)	8d	24-Nov-16 A	03-Dec-16 A	Backfill to ground slab and beams (including underground PE pipes installation work)									
A4380	Construction of ground slab and beams	7d	09-Dec-16 A	30-Dec-16	Construction of ground slab and beams									
A4390	Fix rebar and erect walls, columns, falsework and fwk to roof slab and beams	12d	30-Dec-16	13-Jan-17	Fix rebar and erect walls, columns, falsework and fwk to roof slab and beams									
A4400	Construction of roof slab and beams	7d	14-Jan-17	21-Jan-17	Construction of roof slab and beams									
A4410	Concreting of two concrete plinths, 150 thick curbs and 1450H parapet wall above roof slab	7d	23-Jan-17	02-Feb-17	Concreting of two concrete plinths, 150 thick curbs and 1450H parapet wall above roof slab									
A4420	ABWF, Plumbing Works, waterproofing and E&M works	60d	17-Mar-17	02-Jun-17	ABWF, Plumbing Works, waterproofing and E&M works									
Sea Wall Reinstatement & Reverting Traffic for IEC,VP Rd & TF St (KD9)														
Reinstatement Existing Slopping & Vertical Sea Wall														
Major Reinstatement Works for Seawall Reinstatement														
Stage 1														
A5040	Diversion of Temporary Pedestrian Walkway on D-wall	7d	02-Mar-17	09-Mar-17	Diversion of Temporary Pedestrian Walkway on D-wall									
TTA Revert Traffic Back to Original Alignment														
Preparation Works - Backfill of Zone C to Top of Tunnel Structure														
A5780	Curing to Roof Slab of Zone C	3d	15-Feb-17	18-Feb-17	Curing to Roof Slab of Zone C									
A5790	Waterproofing & Screeding to Roof	4d	18-Feb-17	22-Feb-17	Waterproofing & Screeding to Roof									
A5800	Load Transfer for King Post	6d	22-Feb-17	28-Feb-17	Load Transfer for King Post									
A5810	Make Good Box-out Left by King Post	2d	28-Feb-17	02-Mar-17	Make Good Box-out Left by King Post									
A5820	Backfill to Formation & Remove Struts SL1 to SL3 (Approx. 7m)	33d	02-Mar-17	04-Apr-17	Backfill to Formation & Remove Struts SL1 to SL3 (Approx. 7m)									
KD11, KD12, KD13, KD18 Establishment Works for Landscape Softworks														
KD11 - Section 7A: Portion XIV & XV (Victoria Park Open Space)														
EW_1000	Establishment Works - for Landscape Softworks and transplanted trees in Portion XIV & XV	901d	23-Feb-15 A	14-Dec-17	Establishment Works - for Landscape Softworks and transplanted trees in Portion XIV & XV									
KD12 - Section 7B: Portion VI & VII (Reprov. Bowling Green Area)														
EW_1010	Establishment Works - for Landscape Softworks and transplanted trees in Portion VI & VII	177d	03-Dec-15 A	30-Dec-16	Establishment Works - for Landscape Softworks and transplanted trees in Portion VI & VII									
KD10 - Preservation and Protection of Trees														
PPT_0000	Preservation and Protection of Existing Trees	1088d	21-Mar-13 A	30-Dec-16	Preservation and Protection of Existing Trees									

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017			
						Jan	Feb	Mar	Apr	Jan	Feb	Mar	Apr
Update 2017-01-20 CWB(CC) - Commissioning Contract (DWP R2d)													
PRELIMINARIES AND GENERAL REQUIREMENTS													
Salient Key Dates and Milestones													
Contract Key Dates													
KD001	KD1 - Achievement of Stage 1 (1054 days)	0d		16-Jan-17 A									
Possession Dates and Vacation Dates													
PO-IVb	Possession of Portion IVb (Day 930) - MVB (Split into 2 sections)	261d	20-Dec-16 A	20-Dec-16 A									
PO-VIb_a	Possession of Portion VIb (Day 761) - CH3400-3428	303d	20-Jan-17	18-Nov-17	-284d								
PO-Vb2_b	Possession of Portion V (Day 607) - SCP3	303d	20-Jan-17	18-Nov-17	-315d								
PO-IVa2	Possession of Portion IVa (Day 930) - CH2720-2950 / SR1	260d	01-Feb-17	18-Oct-17	-193d								
PO-VIIIa	Possession of Portion VIIIa (Day 929) - CH4250-4600	246d	15-Feb-17	18-Oct-17	-348d								
PO-VIIIb	Possession of Portion VIIIb (Day 929) - SR8 (CH700-350)	233d	28-Feb-17	18-Oct-17	-397d								
PO-VIIIc	Possession of Portion VIIIc (Day 1039) - SR8 (CH350-310) / SCP4	233d	28-Feb-17	18-Oct-17	-124d								
PO-IVb2	Possession of Portion IVb (Day 930) - MVB (GL D-H)	233d	28-Feb-17	18-Oct-17	-365d								
PO-IVb1	Possession of Portion IVb (Day 930) - MVB (GL A-D)	261d	31-Mar-17	16-Dec-17	-338d								
Submissions and Approvals													
Initial General Submission													
1211	Submission of 1st Project video film	0d		20-Jan-17*	-354d								
9932	Submission of 1st Project video film Video1 / Video2 (Release II)	0d		20-Jan-17*	-719d								
DETAILED DESIGN OF WORKS													
Permanent Works Design and Engineering													
Metal Roof on MVB													
2182	MVB Roof - Prepare Preliminary Design and Submission (Schematics)	48d	01-Dec-15 A	13-Feb-17	-307d								
2182a	MVB Roof - Pending for RFI reply for Schematic design	24d	14-Jan-16 A	04-Jan-17 A									
2184	MVB Roof - Finalise preliminary design and ICE Review	24d	14-Feb-17	13-Mar-17	-307d								

- Current Milestone
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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 1 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017																	
						2016			Jan	Feb			Mar	Apr									
2186	MVB Roof - Submit to the Engineer with ICE Certificate	0d		13-Mar-17	-307d																		
2188	MVB Roof - Engineer review & approval	48d	14-Mar-17	15-May-17	-307d																		
Green Roof on EVB																							
2166	EVB Roof - Engineer review & Approval; Consent to Proceed Construction	24d	18-Apr-16 A	09-Feb-17	-257d																		
Green Wall on ADB																							
10238	ADB Green Wall - Engineer review & Approval; Consent to Proceed Construction	24d	07-Mar-16 A	09-Feb-17	-237d																		
Landscaping & Associated Irrigation System																							
10268	Landscaping - Engineer review & Approval; Consent to Proceed Construction	24d	07-Mar-16 A	09-Feb-17	-36d																		
Building Services System																							
MVAC System																							
Subletting																							
11028	MVAC - Confirm S/C Terms and Issue LOI subject to AECOM Approval	50d	28-Apr-15 A	26-Jan-17	-81d																		
ITP, Method Statement & Testing & Commissioning Plan																							
11070	MVAC System - Testing & Commissioning submission Plan to AECOM	70d	22-Jan-16 A	09-Feb-17	-87d																		
Fire Services System (FS)																							
ITP, Method Statement & Testing & Commissioning Plan																							
11026	FS System - Testing & Commissioning Plan submission to AECOM	90d	08-Dec-15 A	09-Feb-17	-87d																		
Plumbing System (PL)																							
Subletting																							
11072	PL - Confirm S/C Terms and Issue LOI subject to AECOM Approval	12d	20-Jan-17	09-Feb-17	-87d																		
ITP, Method Statement & Testing & Commissioning Plan																							
11112	PL System - Testing & Commissioning Plan submission to AECOM (review / approval)	90d	16-Oct-15 A	09-Feb-17	-87d																		
Drainage System (DR)																							
ITP, Method Statement & Testing & Commissioning Plan																							
10500	DR System - Preparation of Testing & Commissioning Plan	60d	14-Nov-15 A	09-Feb-17	-87d																		

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

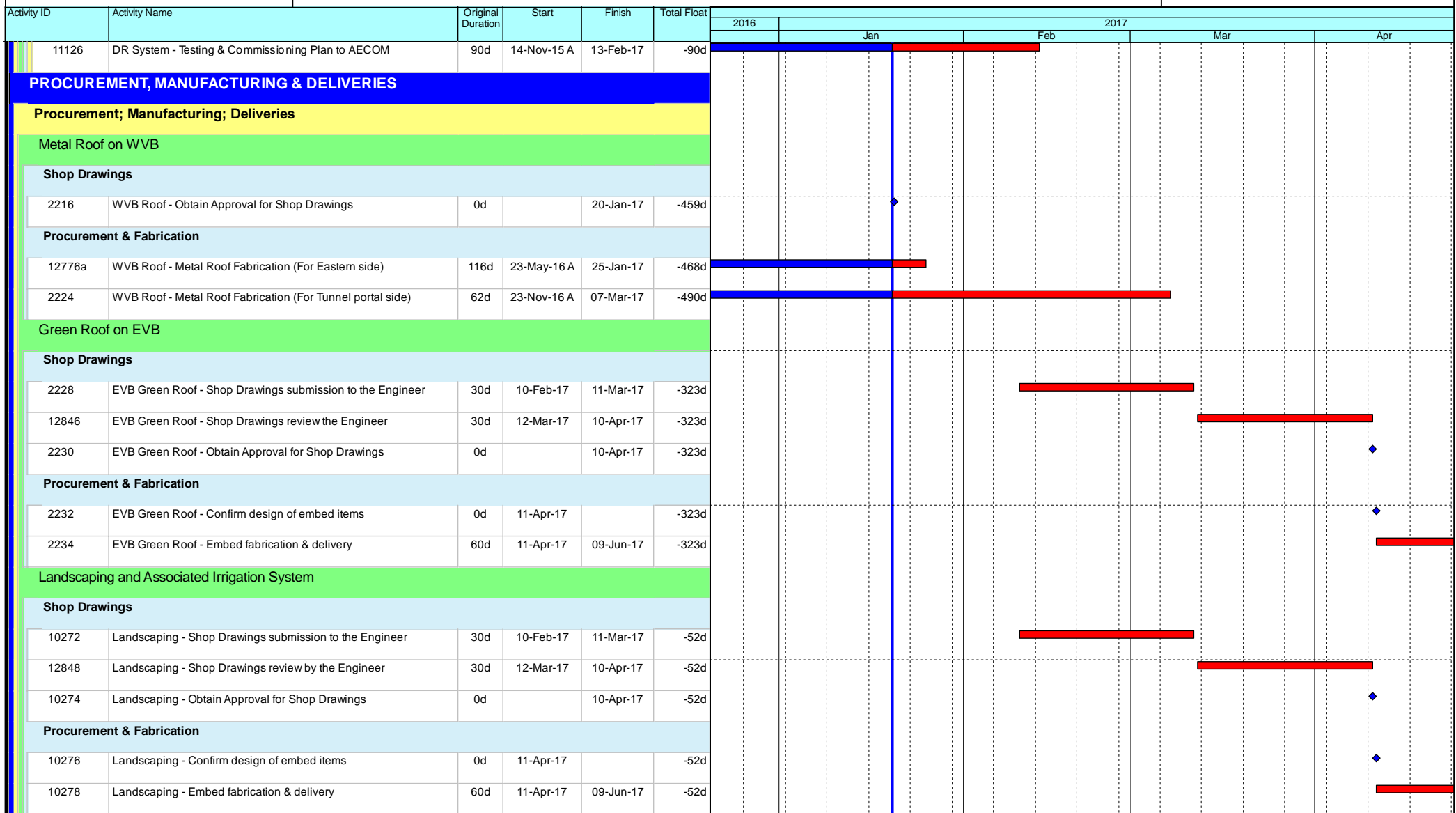
Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 2 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.



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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 3 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
Green Wall on ADB									
Shop Drawings									
10242	ADB Green Wall - Shop Drawings submission to the Engineer	30d	10-Feb-17	11-Mar-17	-295d				
12850	ADB Green Wall - Shop Drawings review the Engineer	30d	12-Mar-17	10-Apr-17	-295d				
10244	ADB Green Wall - Obtain Approval for Shop Drawings	0d		10-Apr-17	-295d				
Procurement & Fabrication									
10246	ADB Green Wall - Confirm design of embed items	0d	11-Apr-17		-295d				
10248	ADB Green Wall - Embed fabrication & delivery	60d	11-Apr-17	09-Jun-17	-295d				
VE Brackets / Panels									
Procurement & Fabrication									
12508	VE Brackets / Panels - Manufacturing & Delivery (Panels)	60d	11-Dec-15 A	08-Feb-17	-278d				
Architectural Feature on EVS									
Procurement & Fabrication									
2248	EVS - Embed fabrication & delivery	30d	03-Aug-16 A	09-Jan-17 A					
2250	EVS - Commence embed installation	0d	09-Jan-17 A						
2252	EVS - Architectural Features Fabrication	90d	17-Jan-17 A	17-Apr-17	-370d				
10086	EVS - Architectural Features delivery	60d	19-Mar-17	17-May-17	-370d				
2254	EVS - Commence installation	0d	18-Apr-17		-370d				
Air Purification System (APS)									
Procurement & Fabrication									
2344	APS - FAT DeNO2	60d	01-Dec-15 A	16-Feb-17	-195d				
10088	APS - Ship to HK Store (2nd Batch)	80d	17-Feb-17	08-Jun-17	-195d				
Central Control and Monitoring System (CCMS) and ELV System									
Procurement & Fabrication									
12476	CCMS - FAT for all plants, materials & equipments	30d	20-Jan-17	18-Feb-17	-394d				

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 4 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017			
										Jan	Feb	Mar	Apr
Traffic Control and Surveillance System (TCSS)													
Procurement & Fabrication													
12478	TCSS - FAT for all plants, materials & equipments	197d	16-Dec-15 A	08-Feb-17	-348d								
Building Services System													
Shop Drawings / CSD / CBWD													
2306	BS(WVB) - Obtain Approval for Shop Drawings, CSD & CBWD	0d		20-Jan-17	195d								
2314	BS(MVB) - Obtain Approval for Shop Drawings, CSD & CBWD	0d		20-Jan-17	239d								
2318	BS(EVB) - Obtain Approval for Shop Drawings, CSD & CBWD	0d		20-Jan-17	195d								
Thermal Barriers													
Procurement & Fabrication													
12824	TB - Delivery for Thermal Barriers materials(remaining batches)	90d	27-Jun-15 A	18-Feb-17	-149d								
CONSTRUCTION													
West Ventilation Building (WVB - related)													
Tunnel Section (WVB-related)													
Portion Ia [CH840 to CH1360]													
4902	Ia - Initial Site Survey	6d	30-Jun-16 A	26-Jan-17	-216d								
13086a	Request for VO / instruction for TCSS equipment installation and cabling (Ganty FADS01) (Ref: H27613-LJV-ME-LE-4022)	24d	04-Oct-16 A	14-Mar-17	-167d								
13086	TCSS cabling and sign face installation (FADS01) - Start date is tentative and need to be confirmed at a later stage	40d	15-Mar-17	06-May-17	-167d								
Westbound													
4904	Ia(WB) - Mobilisation & Setup	6d	27-Jan-17	09-Feb-17	-216d								
5000	MEP(WB) - (CH840 to CH1360) E&M 1st Fix	29d	10-Feb-17	15-Mar-17	-216d								
5008	MEP(WB) - (CH840 to CH1360) E&M 2nd Fix (include Sump A)	58d	16-Mar-17	29-May-17	-216d								
Eastbound													
6110	Ia(EB) - Mobilisation & Setup	2d	27-Jan-17	04-Feb-17	-212d								
6100	MEP(EB) - (CH840 to CH1360) E&M 1st Fix	29d	06-Feb-17	10-Mar-17	-212d								

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 5 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
6102	MEP(EB) - (CH840 to CH1360) E&M 2nd Fix (include Sump A)	58d	11-Mar-17	24-May-17	-212d				
Portion IIa, IIb & IIc [CH1360 to CH1580]									
Westbound									
5002	MEP(WB) - (CH1360 to CH1580) E&M 1st Fix	12d	20-Jan-17	09-Feb-17	-274d				
5010	MEP(WB) - (CH1360 to CH1580) E&M 2nd Fix	24d	20-Feb-17	18-Mar-17	-282d				
5018	MEP(WB) - (CH1360 to CH1580) E&M Final Fix	8d	20-Mar-17	28-Mar-17	-282d				
5026	MEP(WB) - (CH1360 to CH1580) TCSS Field equip & cable installation - 1 Team	7d	05-Apr-17	12-Apr-17	-294d				
5034	MEP(WB) - (CH1360 to CH1580) E&M Individual System T&C	48d	13-Apr-17	14-Jun-17	-294d				
Eastbound									
6114	MEP(EB) - (CH1360 to CH1580) E&M 1st Fix	12d	20-Jan-17	09-Feb-17	-167d				
6116	MEP(EB) - (CH1360 to CH1580) E&M 2nd Fix	24d	20-Feb-17	18-Mar-17	-175d				
6120	MEP(EB) - (CH1360 to CH1580) TCSS Field equip & cable installation - 1 Team	7d	11-Mar-17	18-Mar-17	-175d				
6118	MEP(EB) - (CH1360 to CH1580) E&M Final Fix	8d	20-Mar-17	28-Mar-17	-175d				
6122	MEP(EB) - (CH1360 to CH1580) E&M Individual System T&C	48d	29-Mar-17	31-May-17	-175d				
Portion Ib [CH1580 to CH1800]									
Westbound									
5004	MEP(WB) - (CH1580 to CH1800) E&M 1st Fix	12d	20-Jan-17	09-Feb-17	-304d				
5012	MEP(WB) - (CH1580 to CH1800) E&M 2nd Fix	24d	20-Feb-17	18-Mar-17	-312d				
5028	MEP(WB) - (CH1580 to CH1800) TCSS Field equip & cable installation - 1 Team	7d	11-Mar-17	18-Mar-17	-304d				
5020	MEP(WB) - (CH1580 to CH1800) E&M Final Fix	8d	20-Mar-17	28-Mar-17	-312d				
5036	MEP(WB) - (CH1580 to CH1800) E&M Individual System T&C	48d	29-Mar-17	31-May-17	-312d				
Eastbound									
6142	MEP(EB) - (CH1580 to CH1800) E&M 1st Fix	12d	29-Mar-17	12-Apr-17	-228d				
6144	MEP(EB) - (CH1580 to CH1800) E&M 2nd Fix	24d	13-Apr-17	16-May-17	-228d				
Portion III [CH1800 to CH2600]									

- ◆ Current Milestone
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- Remaining Work
- ▲ Baseline Milestone
- Project Baseline
- Actual Work

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 6 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
Westbound										
12216	III(WB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (9600m2)	54d	17-Aug-15 A	17-Jan-17 A		[Gantt bar: 17-Aug-15 A to 17-Jan-17 A]				
9946a	MEP(WB) - (CH1800 to CH2600) VE Panel installation (Lower part) (9600m2) - 2 team	54d	13-Oct-16 A	27-Feb-17	-351d	[Gantt bar: 13-Oct-16 A to 27-Feb-17]				
5014	MEP(WB) - (CH1800 to CH2600) E&M 2nd Fix	89d	28-Feb-17	19-Jun-17	-351d	[Gantt bar: 28-Feb-17 to 19-Jun-17]				
4930a1	III(WB) - Masking wall construction (VO/092) (33m, 13d/9m/cycle) - 2 teams (Duration tentative)	24d	28-Feb-17	27-Mar-17	-286d	[Gantt bar: 28-Feb-17 to 27-Mar-17]				
Eastbound										
12218	III(EB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (9600m2)	54d	17-Aug-15 A	26-Jan-17	-253d	[Gantt bar: 17-Aug-15 A to 26-Jan-17]				
6128	MEP(EB) - (CH1800 to CH2600) E&M 1st Fix	44d	25-Apr-16 A	21-Feb-17	-202d	[Gantt bar: 25-Apr-16 A to 21-Feb-17]				
9948a	MEP(EB) - (CH1800 to CH2600) VE Panel installation (Lower part) (9600m2) - 2 team	54d	04-Oct-16 A	27-Feb-17	-296d	[Gantt bar: 04-Oct-16 A to 27-Feb-17]				
6130	MEP(EB) - (CH1800 to CH2600) E&M 2nd Fix (include Sump I)	89d	28-Feb-17	19-Jun-17	-296d	[Gantt bar: 28-Feb-17 to 19-Jun-17]				
6140b1	III(EB) - Masking wall construction (VO/092) (93m, 13d/9m/cycle) - 2 teams (Duration tentative)	67d	28-Feb-17	23-May-17	-274d	[Gantt bar: 28-Feb-17 to 23-May-17]				
West Ventilation Building (WVB)										
RC Structures and Metal Roof										
Metal Roof										
Metal Roof Eastern Side (M.J. East)										
10442a7	WVB - Installation of steel roof structure (Eastern side) (GL A-C)	23d	07-Nov-16 A	26-Jan-17	-377d	[Gantt bar: 07-Nov-16 A to 26-Jan-17]				
10442a8	WVB - Installation of steel roof structure (Eastern side) (GL C-E)	21d	14-Nov-16 A	06-Feb-17	-379d	[Gantt bar: 14-Nov-16 A to 06-Feb-17]				
10442a9	WVB - Installation of steel roof structure (Eastern side) (GL E-J)	23d	19-Dec-16 A	09-Feb-17	-382d	[Gantt bar: 19-Dec-16 A to 09-Feb-17]				
10442a2	WVB - Installation of steel roof structure (Eastern side extra steel trust issue)	42d	10-Feb-17	30-Mar-17	-295d	[Gantt bar: 10-Feb-17 to 30-Mar-17]				
10442a4	WVB - Installation of extra roof fins support (M.J.East) (VO) (Tentative, duration subject to change)	42d	31-Mar-17	25-May-17	-295d	[Gantt bar: 31-Mar-17 to 25-May-17]				
Metal Roof Western Side (M.J. West)										
10442	WVB - Installation of temporary roof support at tunnel portal	18d	21-Feb-17	13-Mar-17	-391d	[Gantt bar: 21-Feb-17 to 13-Mar-17]				
10440	WVB - Erection of 1st steel structure at tunnel portal	6d	14-Mar-17	20-Mar-17	-391d	[Gantt bar: 14-Mar-17 to 20-Mar-17]				
10444	WVB - Installation of steel trust at tunnel portal (connecting to the 1st steel structure)	18d	21-Mar-17	11-Apr-17	-391d	[Gantt bar: 21-Mar-17 to 11-Apr-17]				
10446	WVB - Dismantle temporary roof support at tunnel portal	12d	12-Apr-17	28-Apr-17	-391d	[Gantt bar: 12-Apr-17 to 28-Apr-17]				

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

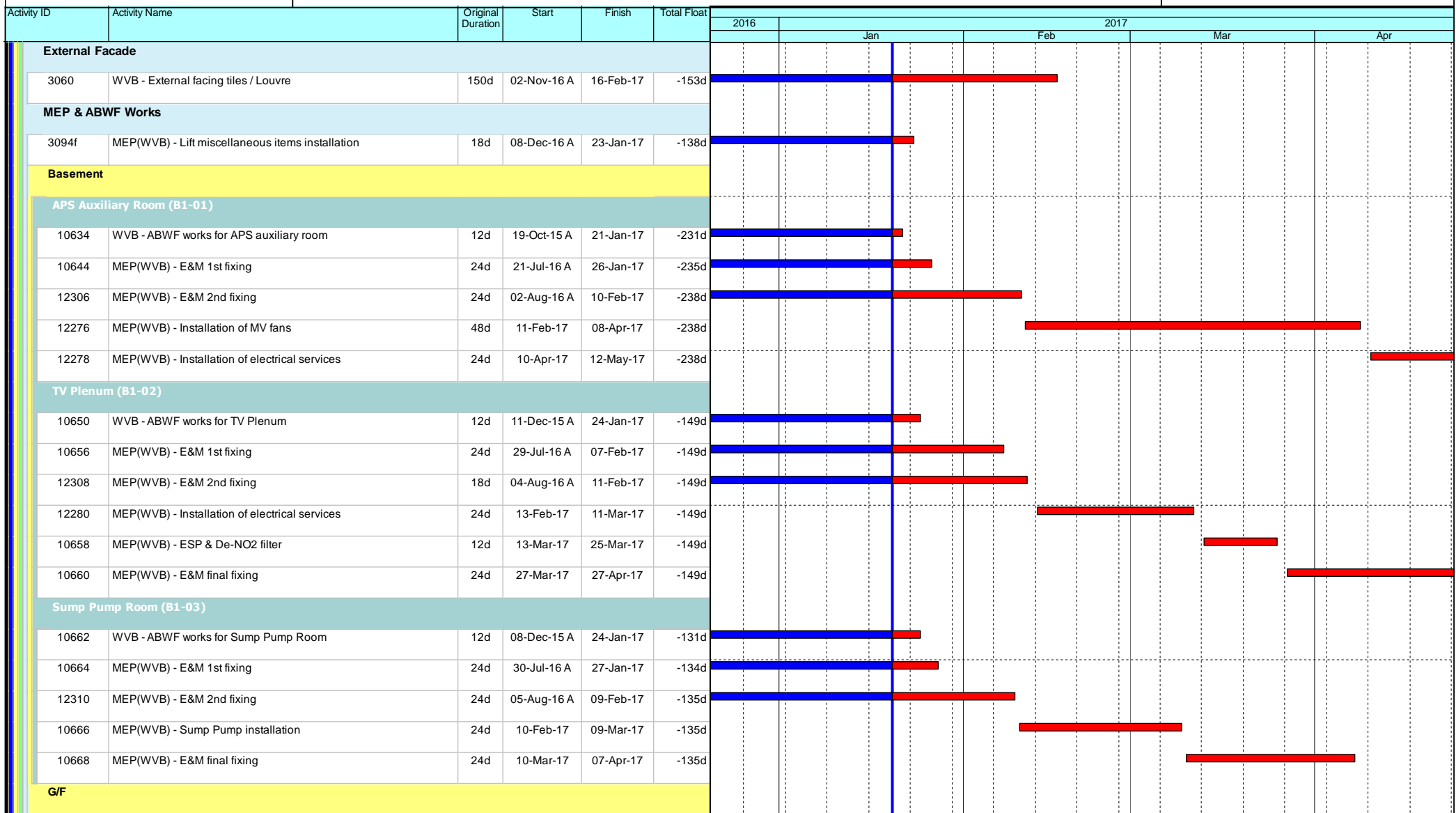
Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 7 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.



- Current Milestone
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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

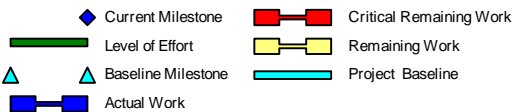
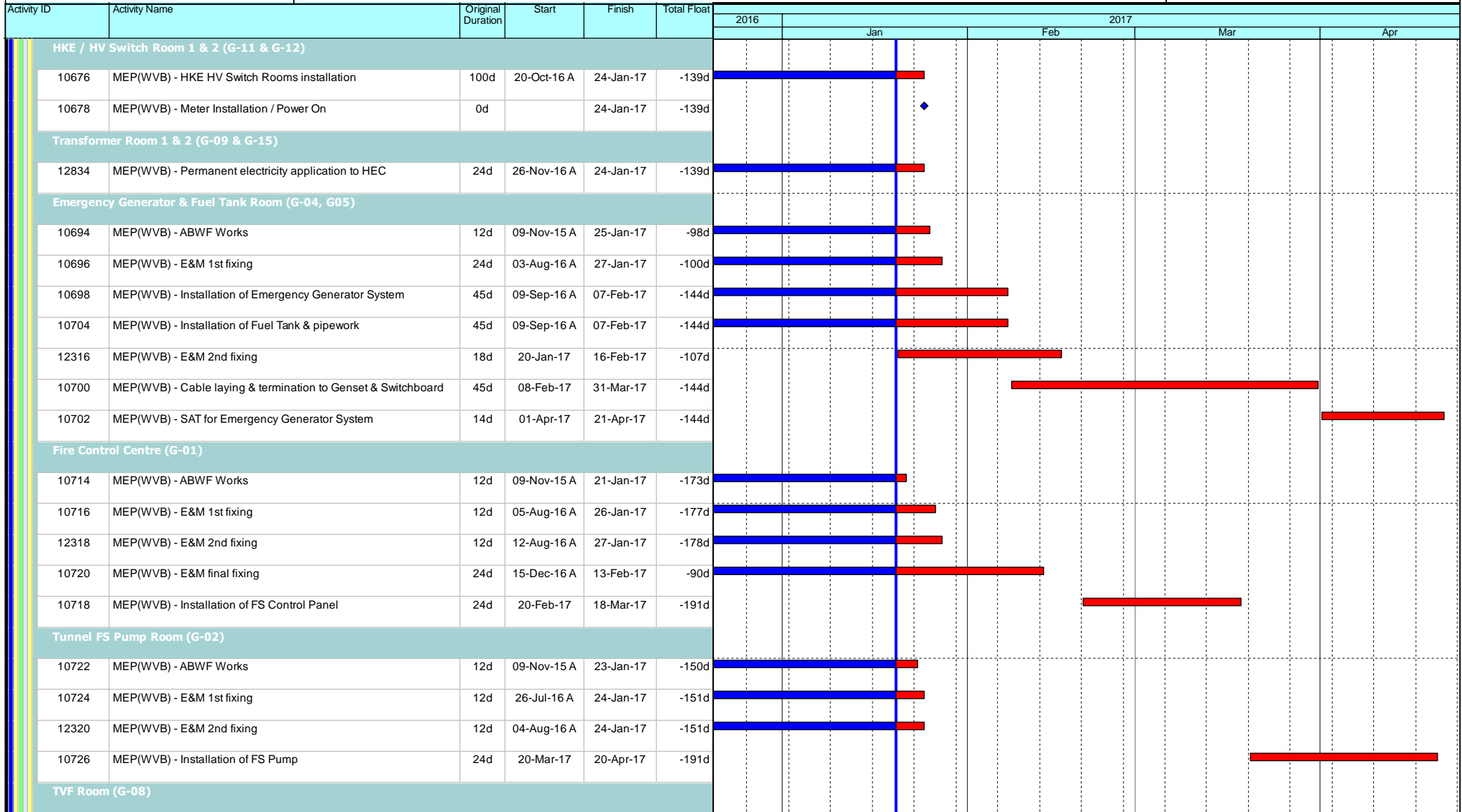
Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 8 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.



Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
Baseline: DWP2d
Layout: Update Three Month Rolling U035
Page 9 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
10732	MEP(WVB) - ABWF Works	12d	15-Feb-16 A	24-Jan-17	-103d				
12322	MEP(WVB) - E&M 2nd fixing	12d	08-Aug-16 A	07-Feb-17	-109d				
10736	MEP(WVB) - Installation of TVF & Silencer	24d	04-Nov-16 A	16-Feb-17	-117d				
10738	MEP(WVB) - E&M final fixing	24d	17-Feb-17	16-Mar-17	-117d				
FS Water Tank & Pump Room (G-14)									
10740	MEP(WVB) - ABWF Works	12d	03-Dec-15 A	24-Jan-17	-151d				
10742	MEP(WVB) - E&M 1st fixing	12d	02-Aug-16 A	24-Jan-17	-151d				
12324	MEP(WVB) - E&M 2nd fixing	12d	13-Aug-16 A	07-Feb-17	-133d				
10744	MEP(WVB) - Installation of FS Pump	24d	08-Feb-17	07-Mar-17	-133d				
10746	MEP(WVB) - E&M final fixing	24d	08-Mar-17	05-Apr-17	-133d				
Pressurization Fan Room (G-16)									
10748	MEP(WVB) - ABWF Works	12d	06-Jan-16 A	24-Jan-17	-151d				
10750	MEP(WVB) - E&M 1st fixing	12d	28-Jul-16 A	26-Jan-17	-153d				
12326	MEP(WVB) - E&M 2nd fixing	12d	04-Aug-16 A	07-Feb-17	-133d				
10752	MEP(WVB) - Installation of SPF	24d	08-Feb-17	07-Mar-17	-133d				
10754	MEP(WVB) - E&M final fixing	24d	08-Mar-17	05-Apr-17	-133d				
Fresh and Flushing Water Tank & Pump Room (G-22)									
10756	MEP(WVB) - ABWF Works	12d	09-Nov-15 A	26-Jan-17	-153d				
10758	MEP(WVB) - E&M 1st fixing	12d	30-Jul-16 A	26-Jan-17	-153d				
12328	MEP(WVB) - E&M 2nd fixing	12d	04-Aug-16 A	07-Feb-17	-157d				
10760	MEP(WVB) - Installation of Fibreglass tank	24d	08-Feb-17	07-Mar-17	-157d				
10764	MEP(WVB) - Installation of Fresh & Flushing Water Pumps	24d	08-Mar-17	05-Apr-17	-157d				
10762	MEP(WVB) - E&M final fixing	24d	06-Apr-17	09-May-17	-157d				
Rain Water & Irrigation Water Tank & Pump Room (G-23)									
10766	MEP(WVB) - ABWF Works	12d	09-Nov-15 A	24-Jan-17	-151d				

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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 10 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						2016	Jan	Feb	Mar	Apr
10768	MEP(WVB) - E&M 1st fixing	12d	10-Aug-16 A	26-Jan-17	-153d					
12330	MEP(WVB) - E&M 2nd fixing	12d	15-Aug-16 A	07-Feb-17	-157d					
10770	MEP(WVB) - Installation of Irrigation Pumps Sets	24d	08-Feb-17	07-Mar-17	-157d					
10772	MEP(WVB) - E&M final fixing	24d	08-Mar-17	05-Apr-17	-133d					
General Area & Corridor										
10706	MEP(WVB) - ABWF Works	12d	09-Nov-15 A	25-Jan-17	-116d					
10708	MEP(WVB) - E&M 1st fixing	30d	02-Aug-16 A	24-Feb-17	-136d					
10710	MEP(WVB) - E&M 2nd fixing	30d	08-Aug-16 A	28-Feb-17	-139d					
10712	MEP(WVB) - E&M final fixing	36d	01-Mar-17	12-Apr-17	-139d					
1/F										
LV Switch Room (L1-10)										
10778	MEP(WVB) - E&M 1st fixing	24d	12-Sep-16 A	25-Jan-17	-148d					
12332	MEP(WVB) - E&M 2nd fixing	30d	07-Dec-16 A	13-Feb-17	-148d					
12434	MEP(WVB) - E&M final fixing	24d	15-Dec-16 A	15-Feb-17	-120d					
10780	MEP(WVB) - Installation of LV Switchboard & LCC	30d	14-Feb-17	20-Mar-17	-148d					
10776	MEP(WVB) - SAT for LV switchboard & LCC	14d	21-Mar-17	06-Apr-17	-148d					
MCC Room (L1-11)										
10784	MEP(WVB) - E&M 1st fixing	24d	12-Sep-16 A	21-Jan-17	-115d					
12334	MEP(WVB) - E&M 2nd fixing	18d	08-Dec-16 A	26-Jan-17	-119d					
12432	MEP(WVB) - E&M final fixing	24d	12-Dec-16 A	11-Feb-17	-103d					
10786	MEP(WVB) - Installation of MCC	24d	27-Jan-17	02-Mar-17	-119d					
10788	MEP(WVB) - SAT for MCC	14d	03-Mar-17	18-Mar-17	-119d					
UPS & Battery Room (L1-06, L1-07)										
10792	MEP(WVB) - E&M 1st fixing	24d	28-Sep-16 A	24-Jan-17	-141d					
12336	MEP(WVB) - E&M 2nd fixing	18d	02-Dec-16 A	25-Jan-17	-142d					

◆ Current Milestone — Critical Remaining Work
— Level of Effort — Remaining Work
▲ Baseline Milestone — Project Baseline
— Actual Work

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 11 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
12430	MEP(WVB) - E&M final fixing	24d	15-Dec-16 A	01-Mar-17	-118d				
10794	MEP(WVB) - Installation of UPS System	24d	26-Jan-17	01-Mar-17	-142d				
10796	MEP(WVB) - Cable laying & termination	24d	02-Mar-17	29-Mar-17	-142d				
10798	MEP(WVB) - SAT for UPS System	14d	07-Apr-17	26-Apr-17	-148d				
TVF Room (L1-03)									
10810	MEP(WVB) - E&M 1st fixing	24d	17-Oct-16 A	09-Feb-17	-111d				
12338	MEP(WVB) - E&M 2nd fixing	24d	03-Nov-16 A	09-Feb-17	-111d				
10812	MEP(WVB) - Installation of TVF & Silencer	24d	15-Nov-16 A	16-Feb-17	-117d				
10814	MEP(WVB) - E&M final fixing	24d	17-Feb-17	16-Mar-17	-117d				
Gas Cylinder Room (L1-05)									
10818	MEP(WVB) - E&M 1st fixing	12d	04-Aug-16 A	26-Jan-17	-105d				
12340	MEP(WVB) - E&M 2nd fixing	12d	09-Aug-16 A	07-Feb-17	-109d				
10822	MEP(WVB) - E&M final fixing	24d	08-Feb-17	07-Mar-17	-109d				
Computer Equipment Room (L1-09)									
12732	MEP(WVB) - E&M 1st fixing	24d	05-Aug-16 A	16-Feb-17	-167d				
12738	MEP(WVB) - E&M 2nd fixing	24d	09-Aug-16 A	18-Feb-17	-169d				
12734	MEP(WVB) - Installation of MCC	30d	20-Feb-17	25-Mar-17	-169d				
12740	MEP(WVB) - E&M final fixing	30d	27-Mar-17	06-May-17	-169d				
General Area & Corridor									
10800	MEP(WVB) - ABWF Works	12d	08-Feb-16 A	24-Jan-17	-109d				
10802	MEP(WVB) - E&M 1st fixing	24d	04-Aug-16 A	18-Feb-17	-125d				
10804	MEP(WVB) - E&M 2nd fixing	30d	10-Aug-16 A	23-Feb-17	-129d				
10806	MEP(WVB) - E&M final fixing	30d	24-Feb-17	30-Mar-17	-129d				
R/F									
Main Roof									

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

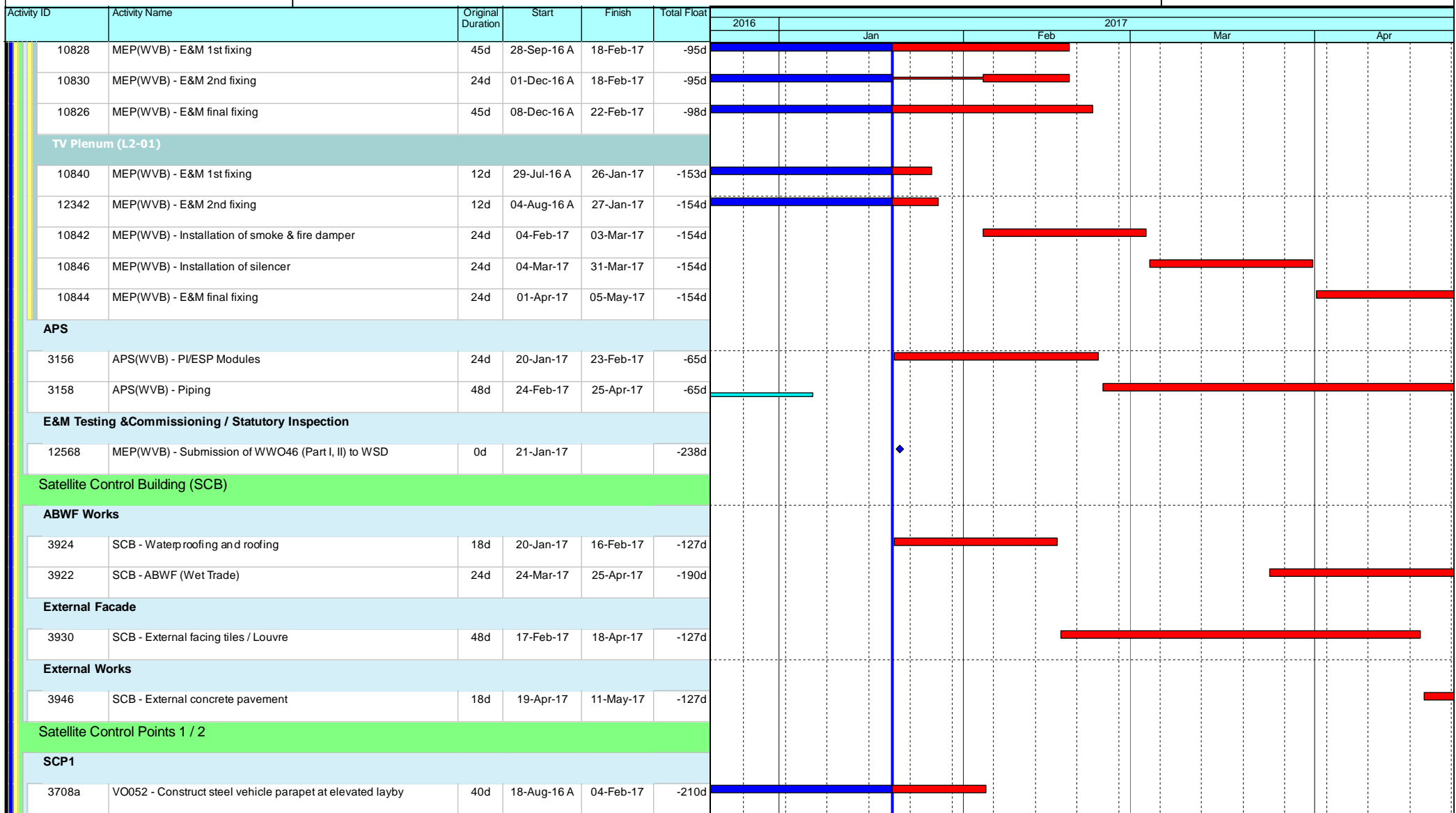
Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 12 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 13 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
3708	SCP1 - Construct SCP RC Structures	18d	06-Feb-17	25-Feb-17	-210d				
SCP2									
3730	SCP2 - Mobilisation and setup	12d	16-Dec-16 A	14-Jan-17 A					
3732a	SCP2 - Construct walls upto R/F - Falseworks & Formwork	5d	20-Jan-17	25-Jan-17	-195d				
3732b	SCP2 - Construct walls upto R/F - Rebar fixing	3d	26-Jan-17	04-Feb-17	-195d				
3732c	SCP2 - Construct walls upto R/F - Close formwork	5d	06-Feb-17	10-Feb-17	-195d				
3732d	SCP2 - Construct beams & slab upto R/F - Scaffolding, falsework & formwork	7d	11-Feb-17	18-Feb-17	-195d				
3732e	SCP2 - Construct beams & slab upto R/F - Rebar fixing	3d	20-Feb-17	22-Feb-17	-195d				
3732f	SCP2 - Construct beams & slab upto R/F - Concreting	1d	23-Feb-17	23-Feb-17	-195d				
3734	SCP2 - ABWF Works	24d	24-Feb-17	23-Mar-17	-195d				
3746	SCP2 - External Works	30d	24-Feb-17	30-Mar-17	-171d				
3736	MEP(SCP2) - E&M 1st Fix	18d	24-Mar-17	18-Apr-17	-195d				
3748	SCP2 - Metal works / Glazing / Louver / Handrails	24d	31-Mar-17	04-May-17	-171d				
3738	MEP(SCP2) - E&M 2nd Fix	18d	19-Apr-17	11-May-17	-195d				
Middle Ventilation Building (MVB - related)									
Tunnel Section (MVB-related)									
Portion IVa (CH2600 to CH2950)									
5112a	IVa - Initial Site Survey (CH2600 to CH2720)	12d	16-Dec-16 A	04-Feb-17	-87d				
5110b	Possession of Portion IVa2 (CH2720 to CH2950 / SR1)	0d	04-Feb-17		-156d				
5112b	IVa - Initial Site Survey	12d	04-Feb-17	17-Feb-17	-156d				
Slip Road 1									
10028	IVa (SR1) - Mobilisation & Setup	6d	18-Feb-17	24-Feb-17	-156d				
12220	IVa (SR1) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (1200m2)	13d	25-Feb-17	11-Mar-17	-156d				
Westbound (CH2600 to CH2720)									
5114a	IVa(WB) - Mobilisation & Setup	6d	06-Feb-17	11-Feb-17	-87d				

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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 14 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						2016	Jan	Feb	Mar	Apr
12222a	IVa (WB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (1173m2)	7d	13-Feb-17	20-Feb-17	-87d			■		
Eastbound (CH2600 to CH2720)										
5128a	IVa(EB) - Mobilisation & Setup	6d	06-Feb-17	11-Feb-17	-82d			■		
12224a	IVa (EB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (1173m2)	7d	13-Feb-17	20-Feb-17	-82d			■		
5130a	IVa(EB) - Thermal Barrier installation (include protection removal) - 2 team	20d	21-Feb-17	15-Mar-17	-82d			■		
5118a	MEP(EB) - (CH2600 to CH2720) E&M 1st Fix	12d	16-Mar-17	29-Mar-17	-82d				■	
5120a	MEP(EB) - (CH2600 to CH2720) E&M 2nd Fix	7d	30-Mar-17	07-Apr-17	-82d				■	
Westbound (CH2720 to CH2950)										
5114b	IVa(WB) - Mobilisation & Setup	6d	18-Feb-17	24-Feb-17	-135d			■		
12222b	IVa (WB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (2247m2)	13d	25-Feb-17	11-Mar-17	-135d			■		
Eastbound (CH2720 to CH2950)										
5128b	IVa(EB) - Mobilisation & Setup	6d	18-Feb-17	24-Feb-17	-135d			■		
12224b	IVa (EB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (2247m2)	13d	25-Feb-17	11-Mar-17	-135d			■		
5130b	IVa(EB) - Thermal Barrier installation (include protection removal) - 2 team	38d	13-Mar-17	29-Apr-17	-135d			■		
Portion Va [CH2950 to CH3210]										
Westbound (Outer Lane)										
5132a	MEP(WB) - (CH2950 to CH3210) E&M 1st Fix	17d	14-Oct-16 A	24-Jan-17	-99d	■				
9954b	MEP(WB) - (CH2950 to CH3210) VE Panel installation (Lower part) (1800m2) - 1 team	20d	08-Dec-16 A	09-Feb-17	-96d	■				
5134a	MEP(WB) - (CH2950 to CH3210) E&M 2nd Fix	33d	25-Jan-17	10-Mar-17	-99d		■			
Eastbound (Outer Lane)										
9956b	MEP(EB) - (CH2950 to CH3210) VE Panel installation (Lower part) (1800m2) - 1 team	20d	06-Dec-16 A	07-Feb-17	-208d	■				
5150a	MEP(EB) - (CH2950 to CH3210) E&M 1st Fix	17d	08-Dec-16 A	26-Jan-17	-204d	■				
5152a	MEP(EB) - (CH2950 to CH3210) E&M 2nd Fix	33d	27-Jan-17	13-Mar-17	-117d		■			
Portion Vb1 (SR3)										
Slip Road 3										

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 15 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017			
										Jan	Feb	Mar	Apr
12232b	Vb(SR3) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (2940m2)	33d	03-Sep-16 A	21-Jan-17	-111d								
10044b	Vb(SR3) - Thermal Barrier installation (include protection removal) - 1 team	82d	12-Dec-16 A	09-Feb-17	-121d								
10032b	MEP(SR3) - (CH3089 to CH3334) E&M 1st Fix	13d	10-Feb-17	24-Feb-17	-121d								
10034b	MEP(SR3) - (CH3089 to CH3334) E&M 2nd Fix (include Sump C)	27d	25-Feb-17	28-Mar-17	-121d								
10048c	MEP(SR3) - (CH3089 to CH3334) VE Panel installation (Lower part) (2940m2) - 1 team	33d	11-Mar-17	22-Apr-17	-124d								
Portion Vb2 (SR2 / SCP3)													
Slip Road 2													
10050b	MEP(SR2) - (CH3114 to CH3257) E&M 1st Fix	8d	20-Jan-17	04-Feb-17	-136d								
10052b	MEP(SR2) - (CH3114 to CH3257) E&M 2nd Fix (include Sump F)	40d	06-Feb-17	23-Mar-17	-136d								
10054b	MEP(SR2) -(CH3114 to CH3257) E&M Final Fix	5d	24-Mar-17	29-Mar-17	-136d								
Portion Vc [CH3210 to CH3250]													
Westbound (Outer Lane)													
9954d	MEP(WB) - (CH3210 to CH3250) VE Panel installation (Lower part) (1800m2) - 1 team	20d	07-Dec-16 A	16-Feb-17	-102d								
5132c	MEP(WB) - (CH3210 to CH3250) E&M 1st Fix	12d	20-Jan-17	09-Feb-17	-294d								
5134c	MEP(WB) - (CH3210 to CH3250) E&M 2nd Fix	18d	10-Feb-17	02-Mar-17	-294d								
5136c	MEP(WB) - (CH3210 to CH3250) E&M Final Fix	10d	03-Mar-17	14-Mar-17	-192d								
5138c	MEP(WB) - (CH3210 to CH3250) TCSS Field equip & cable installation - 1 Team	9d	03-Mar-17	13-Mar-17	-285d								
5140c1	MEP(WB) - (CH3210 to CH3250) E&M Individual System T&C	48d	15-Mar-17	16-May-17	-192d								
Eastbound (Outer Lane)													
9956d	MEP(EB) - (CH3210 to CH3250) VE Panel installation (Lower part) (1800m2) - 1 team	20d	10-Dec-16 A	16-Feb-17	-216d								
5150c	MEP(EB) - (CH3210 to CH3250) E&M 1st Fix	12d	20-Jan-17	09-Feb-17	-276d								
5152c	MEP(EB) - (CH3210 to CH3250) E&M 2nd Fix	18d	03-Mar-17	23-Mar-17	-294d								
5154c	MEP(EB) - (CH3210 to CH3250) TCSS Field equip & cable installation - 1 Team	9d	24-Mar-17	03-Apr-17	-294d								
5156c	MEP(EB) - (CH3210 to CH3250) E&M Final Fix	10d	05-Apr-17	19-Apr-17	-119d								
Portion VIa [CH3250 to CH3283]													

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 16 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
Westbound										
5178a	V1a(WB) - Mobilisation & Setup	8d	20-Jan-17	04-Feb-17	-204d					
12234a	V1a(WB) - Anchorage installation for subsequent E&M 1st Fix and VE panel frame support (include protection) (528m2)	6d	06-Feb-17	11-Feb-17	-204d					
5180a	V1a(WB) - Thermal Barrier installation (include protection removal) - 1 team	11d	13-Feb-17	24-Feb-17	-204d					
5164a	MEP(WB) - (CH3250 to CH3283) E&M 1st Fix	6d	25-Feb-17	03-Mar-17	-204d					
9958a1	MEP(WB) - (CH3250 to CH3283) VE Panel installation (Lower part) (528m2) - 1 team	6d	25-Feb-17	03-Mar-17	-141d					
5166a	MEP(WB) - (CH3250 to CH3283) E&M 2nd Fix	6d	04-Mar-17	10-Mar-17	-204d					
5170a	MEP(WB) - (CH3250 to CH3283) TCSS Field equip & cable installation - 1 Team	5d	11-Mar-17	16-Mar-17	-204d					
5168a	MEP(WB) - (CH3250 to CH3283) E&M Final Fix	5d	17-Mar-17	22-Mar-17	-204d					
5172a1	MEP(WB) - (CH3250 to CH3283) E&M Individual System T&C	30d	23-Mar-17	02-May-17	-193d					
5172a2	MEP(WB) - (CH3250 to CH3283) TCSS Individual System T&C	12d	18-Apr-17	02-May-17	-193d					
Eastbound										
5194a	V1a(EB) - Thermal Barrier installation (include protection removal) - 1 team	11d	10-Dec-16 A	26-Jan-17	-196d					
5194a1	V1a(WB) - Masking wall construction (VO/092) (33m, 13d/9m/cycle) - 2 teams (Duration tentative)	24d	27-Jan-17	02-Mar-17	-187d					
9960a1	MEP(EB) - (CH3250 to CH3283) VE Panel installation (Lower part) (528m2) - 1 team	6d	04-Mar-17	10-Mar-17	-141d					
5182a	MEP(EB) - (CH3250 to CH3283) E&M 1st Fix	6d	23-Mar-17	29-Mar-17	-204d					
5184a	MEP(EB) - (CH3250 to CH3283) E&M 2nd Fix	6d	30-Mar-17	06-Apr-17	-204d					
5188a	MEP(EB) - (CH3250 to CH3283) TCSS Field equip & cable installation - 1 Team	5d	30-Mar-17	05-Apr-17	-198d					
5186a	MEP(EB) - (CH3250 to CH3283) E&M Final Fix	5d	07-Apr-17	12-Apr-17	-204d					
5190a1	MEP(EB) - (CH3250 to CH3283) E&M Individual System T&C	30d	13-Apr-17	23-May-17	-204d					
Portion V1b [CH3400 to CH3428]										
5206b1	Possession of Portion V1b	0d	20-Jan-17		-234d					
5208b1	V1b - Initial Site Survey	12d	20-Jan-17	09-Feb-17	-234d					
Westbound										
5210b1	V1b(WB) - Mobilisation & Setup	12d	10-Feb-17	23-Feb-17	-234d					

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 17 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						2016	Jan	Feb	Mar	Apr
12238b1	Vlb(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (336m2)	4d	24-Feb-17	28-Feb-17	-234d					
5212b1	Vlb(WB) - Thermal Barrier installation (include protection removal) - 1 team	10d	01-Mar-17	11-Mar-17	-234d					
5196b1	MEP(WB) - (CH3400 to CH3428) E&M 1st Fix	6d	13-Mar-17	18-Mar-17	-133d					
9962b1a	MEP(WB) - (CH3400 to CH3428) VE Panel installation (Lower part) (336m2) - 1 team	4d	13-Mar-17	16-Mar-17	43d					
5198b1	MEP(WB) - (CH3400 to CH3428) E&M 2nd Fix	6d	20-Mar-17	25-Mar-17	-72d					
Eastbound										
5224b1	Vlb(EB) - Mobilisation & Setup	12d	10-Feb-17	23-Feb-17	-181d					
12240b1	Vlb(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (4800m2)	4d	24-Feb-17	28-Feb-17	-181d					
5226b1	Vlb(EB) - Thermal Barrier installation (include protection removal) - 1 team	10d	01-Mar-17	11-Mar-17	-181d					
9964b1a	MEP(EB) - (CH3400 to CH3428) VE Panel installation (Lower part) (4800m2) - 1 team	4d	13-Mar-17	16-Mar-17	43d					
5226b1a	Vlb(EB) - Masking wall construction (VO/092) (28m, 13d/9m/cycle) - 2 teams (Duration tentative)	20d	13-Mar-17	05-Apr-17	-181d					
5214b1	MEP(EB) - (CH3400 to CH3428) E&M 1st Fix	6d	06-Apr-17	12-Apr-17	-92d					
5216b1	MEP(EB) - (CH3400 to CH3428) E&M 2nd Fix	6d	13-Apr-17	22-Apr-17	-92d					
Portion Vlb [CH3428 to CH3625]										
Westbound										
5196b2	MEP(WB) - (CH3428 to CH3625) E&M 1st Fix	12d	27-Jan-17	16-Feb-17	-197d					
5198b2	MEP(WB) - (CH3428 to CH3625) E&M 2nd Fix	12d	17-Feb-17	02-Mar-17	-58d					
5202b2	MEP(WB) - (CH3428 to CH3625) TCSS Field equip & cable installation - 1 Team	12d	17-Feb-17	02-Mar-17	-197d					
5200b2	MEP(WB) - (CH3428 to CH3625) E&M Final Fix	12d	03-Mar-17	16-Mar-17	-58d					
5204b4	MEP(WB) - (CH3428 to CH3625) E&M Individual System T&C	12d	17-Mar-17	30-Mar-17	-58d					
5204b5	MEP(WB) - (CH3428 to CH3625) TCSS Individual System T&C	12d	17-Mar-17	30-Mar-17	-58d					
9962b2a	MEP(WB) - (CH3428 to CH3625) VE Panel installation (Lower part) (2364m2) - 1 team	27d	21-Mar-17	25-Apr-17	-216d					
Eastbound										
12240b2	Vlb(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (2364m2)	27d	29-Jul-16 A	26-Jan-17	-205d					
9964b2a	MEP(EB) - (CH3428 to CH3625) VE Panel installation (Lower part) (4800m2) - 1 team	27d	17-Feb-17	20-Mar-17	-216d					

- ◆ Current Milestone
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- Level of Effort
- Remaining Work
- ▲ Baseline Milestone
- Project Baseline
- Actual Work

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 18 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
5226b2a	Vlb(EB) - Masking wall construction (VO/092) (197m, 13d/9m/cycle) - 4 teams (Duration tentative)	71d	06-Apr-17	05-Jul-17	-181d					
Portion Vlb [CH3625 to CH3770]										
Westbound										
12238b3	Vlb(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1740m2)	20d	14-Nov-16 A	07-Feb-17	-178d					
Eastbound										
5224b3	Vlb(EB) - Mobilisation & Setup	12d	20-Jan-17	09-Feb-17	-231d					
12240b3	Vlb(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1740m2)	20d	10-Feb-17	04-Mar-17	-231d					
Middle Ventilation Building (MVB)										
Establishment Works										
3202	MVB - Initial Site Survey	6d	28-Feb-17	06-Mar-17	-293d					
3206	MVB - Setup site monitoring station	6d	28-Feb-17	06-Mar-17	-284d					
3200a	Possession of Portion IVb (GL D-H)	0d	28-Feb-17		-365d					
3204	MVB - Erect Hoarding	6d	07-Mar-17	13-Mar-17	-290d					
3208	MVB - Baseline monitoring	6d	07-Mar-17	13-Mar-17	-284d					
3216	MVB - As-built survey for existing MVB substructures	3d	07-Mar-17	09-Mar-17	-293d					
3306	MVB - Construct Elevated concrete platform & Install railing	12d	10-Mar-17	23-Mar-17	-293d					
3200	Possession of Portion IVb (GL A-D)	0d	31-Mar-17		-338d					
RC Structures and Metal Roof										
13090	MVB - Plinths and Cast-in items at Basement (Start date and duration are tentative, to be confirmed at later stage)	60d	10-Mar-17	25-May-17	-190d					
3210	MVB - Mobilisation & setup	6d	14-Mar-17	20-Mar-17	-290d					
Zone B - G/F (GL D - H)										
11128	MVB Zone B (G/F) - Construct G/F Formwork for column / wall	6d	24-Mar-17	30-Mar-17	-293d					
11146	MVB Zone B (G/F) - Rebar fixing for column / walls	12d	31-Mar-17	18-Apr-17	-293d					
11148	MVB Zone B (G/F) - Concrete for column / walls	1d	19-Apr-17	19-Apr-17	-293d					
MEP & ABWF Works										

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

Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 19 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017			
										Jan	Feb	Mar	Apr
Basement 1 (GL D - H)													
General Area & Corridor													
11312	MEP(MVB) - ABWF Works	12d	21-Mar-17	03-Apr-17	-115d								
11314	MEP(MVB) - E&M 1st fixing	30d	05-Apr-17	15-May-17	-115d								
Basement 1 (GL A - D)													
LV Switch Room (B1-05)													
11320	MVB - ABWF works for LV Switch Rooms	12d	21-Mar-17	03-Apr-17	-163d								
11324	MEP(MVB) - E&M 1st fixing	30d	05-Apr-17	15-May-17	-149d								
Satellite Control Point 3													
SCP3													
3750	SCP3 - Possession of Portion Vb2	0d	20-Jan-17		-256d								
3752	SCP3 - Initial Site Survey	6d	20-Jan-17	26-Jan-17	-256d								
3754	SCP3 - Erect Hoarding	6d	27-Jan-17	09-Feb-17	-256d								
3756	SCP3 - Mobilisation and setup	12d	10-Feb-17	23-Feb-17	-256d								
3758	SCP3 - Construct SCP RC Structures	24d	24-Feb-17	23-Mar-17	-256d								
3772	SCP3 - External Works	30d	17-Mar-17	25-Apr-17	-184d								
3760	SCP3 - ABWF Works	24d	24-Mar-17	25-Apr-17	-256d								
East Ventilation Building (EVB - related)													
Tunnel Section (EVB-related)													
Portion V1c [CH3770 to CH3800]													
5208c	V1c - Initial Site Survey	12d	20-Jan-17	09-Feb-17	-223d								
Westbound													
5210c	V1c(WB) - Mobilisation & Setup	12d	10-Feb-17	23-Feb-17	-152d								
12238c	V1c(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (450m2)	5d	24-Feb-17	01-Mar-17	-152d								
Eastbound													

- ◆ Current Milestone
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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 20 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
5224c	Vlc(EB) - Mobilisation & Setup	12d	20-Feb-17	04-Mar-17	-231d				
12240c	Vlc(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (450m2)	5d	06-Mar-17	10-Mar-17	-231d				
Portion VII [CH3825 to CH4250] - Original Section in DWP Rev.2a									
5238	Possession of Portion VII	0d	20-Jan-17		484d				
Portion VII [CH3800 to CH3911]									
Westbound									
12242a2	VII(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1332m2)	15d	02-Sep-16 A	09-Feb-17	-216d				
5244a2	VII(WB) - Thermal Barrier installation (include protection removal) - 2 team	19d	10-Feb-17	03-Mar-17	-216d				
5228a4	MEP(WB) - (CH3800 to CH3911) E&M 1st Fix	18d	04-Mar-17	24-Mar-17	-216d				
5230a4	MEP(WB) - (CH3800 to CH3911) E&M 2nd Fix	48d	25-Mar-17	26-May-17	-216d				
5234a4	MEP(WB) - (CH3800 to CH3911) TCSS Field equip & cable installation - 1 Team	12d	25-Mar-17	08-Apr-17	-201d				
Eastbound									
5258a2	VII(EB) - Thermal Barrier installation (include protection removal) - 2 team	19d	05-Dec-16 A	26-Jan-17	-210d				
5246a4	MEP(EB) - (CH3800 to CH3911) E&M 1st Fix	18d	27-Jan-17	23-Feb-17	-180d				
5248a4	MEP(EB) - (CH3800 to CH3911) E&M 2nd Fix (include Sump II)	12d	24-Feb-17	09-Mar-17	-180d				
5250a4	MEP(EB) - (CH3800 to CH3911) E&M Final Fix	16d	05-Apr-17	26-Apr-17	-201d				
5252a4	MEP(EB) - (CH3800 to CH3911) TCSS Field equip & cable installation - 1 Team	12d	10-Apr-17	26-Apr-17	-201d				
Portion VII [CH3911 to CH4250]									
Access Shaft Opening									
10118a	VII(WB) - Closure of shaft access opening	18d	15-Feb-17	07-Mar-17	46d				
10120a	VII(WB) - shaft access opening area reinstatement works	12d	08-Mar-17	21-Mar-17	46d				
Westbound									
12242a	VII(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (4068m2)	23d	02-Sep-16 A	16-Feb-17	-282d				
5244a	VII(WB) - Thermal Barrier installation (include protection removal) - 2 team	57d	17-Feb-17	28-Apr-17	-282d				
Eastbound									

- ◆ Current Milestone
- Critical Remaining Work
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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 21 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017														
						2016			Jan			Feb			Mar			Apr		
						Jan	Feb	Mar	Jan	Feb	Mar	Jan	Feb	Mar	Jan	Feb	Mar			
5258a	VII(EB) - Thermal Barrier installation (include protection removal) - 2 team	57d	12-Dec-16 A	28-Feb-17	-289d															
5246a2	MEP(EB) - (CH3911 to CH4250) E&M 1st Fix	25d	01-Mar-17	29-Mar-17	-139d															
5248a2	MEP(EB) - (CH3911 to CH4250) E&M 2nd Fix (include Sump II)	53d	30-Mar-17	07-Jun-17	-139d															
Slip Road 8																				
13078a	VII(SR8) - Mobilisation & Setup	6d	01-Mar-17	07-Mar-17	-231d															
13082a	VII(SR8) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1500m2)	8d	08-Mar-17	16-Mar-17	-231d															
Portion VIIIa [CH4250 to CH4600]																				
5270	Possession of Portion VIIIa	0d	15-Feb-17		-278d															
5272	VIIIa - Initial Site Survey	12d	15-Feb-17	28-Feb-17	-278d															
Westbound																				
5288	VIIIa(WB) - Mobilisation & Setup	6d	01-Mar-17	07-Mar-17	-263d															
12246	VIIIa(WB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (3900m2)	22d	08-Mar-17	01-Apr-17	-263d															
Eastbound																				
5274	VIIIa(EB) - Mobilisation & Setup	6d	01-Mar-17	07-Mar-17	-243d															
12248	VIIIa(EB) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (3900m2)	22d	08-Mar-17	01-Apr-17	-243d															
Slip Road 8																				
13060	VIIIa(SR8) - Mobilisation & Setup	6d	01-Mar-17	07-Mar-17	-278d															
13064	VIIIa(SR8) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1500m2)	8d	08-Mar-17	16-Mar-17	-278d															
Portion IXd [CH4600 to CH4860]																				
Westbound																				
5308	IXd(WB) - Thermal Barrier installation (include protection removal) - 1 team	87d	10-Nov-16 A	07-Jan-17 A																
5308a1	IXd(WB) - Masking wall construction (VO/092) (134m, 13d/9m/cycle) - 4 teams (Duration tentative)	48d	27-Jan-17	30-Mar-17	-189d															
5308a	MEP(WB) - (CH4600 to CH4860) Concrete Plinth construction	21d	28-Feb-17	23-Mar-17	-329d															
5292	MEP(WB) - (CH4600 to CH4860) E&M 1st Fix	14d	31-Mar-17	20-Apr-17	-189d															
Eastbound																				

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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 22 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						2016	Jan	Feb	Mar	Apr
5322	IXd(EB) - Thermal Barrier installation (include protection removal) - 1 team	87d	08-Oct-16 A	26-Jan-17	-329d					
5322a	MEP(EB) - (CH4600 to CH4860) Concrete Plinth construction	21d	27-Jan-17	27-Feb-17	-329d					
5322a1	IXd(EB) - Masking wall construction (VO/092) (134m, 13d/9m/cycle) - 4 teams (Duration tentative)	48d	27-Jan-17	30-Mar-17	-210d					
5310	MEP(EB) - (CH4600 to CH4860) E&M 1st Fix	14d	31-Mar-17	20-Apr-17	-210d					
Portion IXa [CH4860 to CH5150]										
Westbound										
5340	IXa(WB) - Thermal Barrier installation (include protection removal) - 1 team	97d	19-Jan-16 A	06-Feb-17	-290d					
5340a	MEP(WB) - (CH4860 to CH5150) Concrete Plinth construction	21d	24-Mar-17	21-Apr-17	-329d					
Eastbound										
5354	IXa(EB) - Thermal Barrier installation (include protection removal) - 1 team	97d	07-Nov-15 A	18-Feb-17	-280d					
Portion VIIIb [SR8 CH500 to CH350]										
5366	Possession of Portion VIIIb	0d	28-Feb-17		-314d					
5368	VIIIb - Initial Site Survey	12d	28-Feb-17	13-Mar-17	-314d					
Slip Road 8										
5370	VIIIb(SR8) - Mobilisation & Setup	6d	14-Mar-17	20-Mar-17	-314d					
12258	VIIIb(SR8) - Anchorage installation for subsequent E&M 1st Fix and VE Panel frame support (include protection) (1500m2)	8d	21-Mar-17	29-Mar-17	-314d					
5372	VIIIb(SR8) - Thermal Barrier installation (include protection removal) - 2 team	25d	30-Mar-17	04-May-17	-314d					
Portion VIIIc [SR8 CH350 to CH210]										
5384	Possession of Portion VIIIc	0d	28-Feb-17		-124d					
5386	VIIIc - Initial Site Survey	6d	28-Feb-17	06-Mar-17	-97d					
Slip Road 8										
5388	VIIIc(SR8) - Mobilisation & Setup	6d	07-Mar-17	13-Mar-17	-97d					
5374	MEP(SR8) - (CH350 to CH210) E&M 1st Fix	8d	14-Mar-17	22-Mar-17	-97d					
5376	MEP(SR8) - (CH350 to CH210) E&M 2nd Fix (include Sump E)	16d	23-Mar-17	11-Apr-17	-97d					
East Ventilation Building (EVB)										

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 23 of 34








Date	Revision	Checked	Appro...
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Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
RC Structures and Green Roof										
10142	EVB - Curing	6d	16-Mar-17	22-Mar-17	-223d			■		
3426	EVB - Waterproofing @ Roof	24d	23-Mar-17	24-Apr-17	-213d				■	
G/F (GLA - D)										
11516	EVB G/F - Rebar for beam & slab	12d	09-Dec-16 A	17-Jan-17 A		■				
11518	EVB G/F - Close formwork for beam & slab	8d	13-Jan-17 A	21-Jan-17	-223d		■			
11520	EVB G/F - Concrete beam & slab	1d	23-Jan-17	23-Jan-17	-223d			■		
G-02 Fire Control Centre										
11550	EVB G-11 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-209d			■		
G-06 Transformer Room 1										
11544	EVB G-05 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-197d			■		
G-03 Transformer Room 2										
11538	EVB G-05 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-185d			■		
G-10 HKE/HV Switch Room 1										
11548	EVB G-07 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-183d			■		
G-07 HKE/HV Switch Room 2										
11546	EVB G-07 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-172d			■		
G-04 Emergency Generator Room										
11540	EVB G-04 - Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-179d			■		
11542	EVB G-04 - Plinth for Emergency Generator	6d	23-Mar-17	29-Mar-17	-223d				■	
G/F (GL A-D) Other Rooms / Corridors / Staircase										
11576	EVB G/F (GL A-C) - Remaining Internal walls / Cast-in items	1d	23-Jan-17	23-Jan-17	-145d			■		
11578	EVB G/F (GL A-C) - Plinths / R.C. curbs	12d	23-Mar-17	06-Apr-17	-66d				■	
1/F (GLA - D)										
3422	EVB 1/F - Formwork for column / walls	8d	24-Jan-17	08-Feb-17	-223d				■	

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 24 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
11590	EVB - ABWF works for Sump Pump Room	12d	18-Apr-17	02-May-17	-204d					
Basement 1 Mezzanine (GLA - D)										
Electrical Duc Shaft (B1M-05)										
12954	MEP(EVB) - ABWF Works	12d	16-Mar-17	29-Mar-17	-156d					
Fireman's Lift Lobby (B1M-06)										
12962	MEP(EVB) - ABWF Works	12d	30-Mar-17	13-Apr-17	-156d					
Lobby (B1M-07)										
12970	MEP(EVB) - ABWF Works	12d	18-Apr-17	02-May-17	-156d					
Basement 1 (GLA - D)										
General Area & Corridor										
11606	MEP(EVB) - ABWF Works	12d	16-Mar-17	29-Mar-17	-216d					
11608	MEP(EVB) - E&M 1st fixing	45d	18-Apr-17	12-Jun-17	-195d					
Basement 1 (GL D - L)										
Sump Pump Room (B1-15)										
11614	EVB - ABWF works for Sump Pump Room	12d	16-Mar-17	29-Mar-17	-204d					
11616	MEP(EVB) - E&M 1st fixing	12d	30-Mar-17	13-Apr-17	-204d					
12386	MEP(EVB) - E&M 2nd fixing	12d	18-Apr-17	02-May-17	-204d					
Water Tank & Pump Room (B1-16)										
11630	MEP(EVB) - ABWF Works	12d	30-Mar-17	13-Apr-17	-204d					
11632	MEP(EVB) - E&M 1st fixing	12d	18-Apr-17	02-May-17	-204d					
TVF Room 3 (B1-19)										
11622	MEP(EVB) - ABWF Works	12d	18-Apr-17	02-May-17	-204d					
Basement 1 (GL L - O)										
Tunnel F.S. Water Tank & Pump Room (B1-02)										
11638	MEP(EVB) - ABWF Works	12d	17-Oct-16 A	07-Feb-17	-77d					

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 26 of 34








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Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
11640	MEP(EVB) - E&M 1st fixing	12d	08-Feb-17	21-Feb-17	-77d				
F.S.Water Tank & Pump Room (B1-03)									
11646	MEP(EVB) - ABWF Works	12d	09-Sep-16 A	06-Feb-17	-156d				
11648	MEP(EVB) - E&M 1st fixing	12d	07-Feb-17	20-Feb-17	-156d				
12394	MEP(EVB) - E&M 2nd fixing	12d	21-Feb-17	06-Mar-17	-76d				
11650	MEP(EVB) - Installation of FS Pump	24d	07-Mar-17	03-Apr-17	-76d				
Computer Equipment Room (B1-09)									
12752	MEP(EVB) - ABWF Works	12d	09-Sep-16 A	06-Feb-17	-144d				
12754	MEP(EVB) - E&M 1st fixing	12d	21-Feb-17	06-Mar-17	-156d				
12762	MEP(EVB) - E&M 2nd fixing	12d	07-Mar-17	20-Mar-17	-115d				
12756	MEP(EVB) - Computer Equipment Installation	12d	21-Mar-17	03-Apr-17	-90d				
12760	MEP(EVB) - E&M Final fixing	14d	05-Apr-17	24-Apr-17	-90d				
UPS & Battery Room (B1-10, B1-11)									
11662	MEP(EVB) - ABWF Works	12d	09-Sep-16 A	06-Feb-17	-132d				
11664	MEP(EVB) - E&M 1st fixing	24d	07-Mar-17	03-Apr-17	-156d				
12396	MEP(EVB) - E&M 2nd fixing	30d	05-Apr-17	15-May-17	-156d				
General Area & Corridor									
11672	MEP(EVB) - ABWF Works	12d	07-Feb-17	20-Feb-17	-115d				
11674	MEP(EVB) - E&M 1st fixing	24d	05-Apr-17	08-May-17	-151d				
G/F (GL A - D)									
Emergency Generator Room (G-04)									
11680	MEP(EVB) - ABWF Works	12d	30-Mar-17	13-Apr-17	-223d				
11682	MEP(EVB) - E&M 1st fixing	30d	18-Apr-17	24-May-17	-223d				
Transformer Room 1 (G-06)									
11690	MEP(EVB) - ABWF Works	12d	14-Feb-17	27-Feb-17	-209d				

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 27 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						2016	Jan	Feb	Mar
13618a2	ADB - B/F (GL D-F) - Construct basementslab (incl. E&M cast-in items) - Claims No.33	21d	28-Nov-16 A	29-Dec-16 A					
13618b	ADB - B/F (GL D-F) - Construct basement wall to bottom of waling (incl. E&M cast-in items) - Claims No.33	21d	20-Jan-17	20-Feb-17	-306d				
13618c	ADB - B/F (GL D-F) - Demolition of strut and waling (incl. E&M cast-in items) - Claims No.33	12d	14-Feb-17	27-Feb-17	-306d				
13618d1	ADB - B/F (GL D-F) - Construct basement wall to G/F slab - Claims No.33	18d	28-Feb-17	20-Mar-17	-306d				
13618d2	ADB - B/F (GL D-F) - Construct walls and columns from basement to G/F slab - Claims No.33	18d	21-Mar-17	11-Apr-17	-306d				
13618e	ADB - B/F (GL D-F) - Backfilling (General fill) - Claims No.33	12d	12-Apr-17	28-Apr-17	-306d				
GL (P-R)									
13620a1	ADB - B/F (GL P-R) - Construct sump pits - Claim No.33	10d	24-Nov-16 A	29-Dec-16 A					
13620a2	ADB - B/F (GL P-R) - Construct basement slab - Claim No.33	14d	03-Jan-17 A	14-Jan-17 A					
13620f	ADB - B/F (GL P-R) - Construct basement wall to bottom of 1st layer of waling - Claim No.33	12d	20-Jan-17	09-Feb-17	-251d				
13620b	ADB - B/F (GL P-R) - Demolition of 1st layer strut and waling - Claim No.33	7d	10-Feb-17	17-Feb-17	-251d				
13620c	ADB - B/F (GL P-R) - Construct water tanks (2 nos.) - Claim No.33	30d	18-Feb-17	24-Mar-17	-251d				
13620g	ADB - B/F (GL P-R) - Construct basement wall to bottom of 2nd layer of waling - Claim No.33	12d	25-Mar-17	08-Apr-17	-251d				
G/F									
GL (A - C)									
G/F (GL A - C) Other Rooms / Corridors / Staircase									
13148	ADB - G/F (GL A-C) - Plinths / R.C. curbs	12d	09-Dec-16 A	23-Dec-16 A					
GL (H - K)									
13160a	ADB - G/F (GL H-K) - Scaffolding for beam & slab	6d	14-Mar-17	20-Mar-17	-197d				
13162a	ADB - G/F (GL H-K) - Decking / Formwork for beam & slab	10d	21-Mar-17	31-Mar-17	-197d				
13164a	ADB - G/F (GL H-K) - Rebar for beam & slab	10d	27-Mar-17	07-Apr-17	-197d				
13166a	ADB - G/F (GL H-K) - Close formwork for beam & slab	10d	01-Apr-17	13-Apr-17	-197d				
13168a	ADB - G/F (GL H-K) - Concrete beam & slab (Roof slab)	1d	18-Apr-17	18-Apr-17	-197d				
G-13 Uninterrupted Power Supply (UPS) Room									
13534	ADB G-13 - Internal walls / Cast-in items	1d	18-Apr-17	18-Apr-17	-167d				

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 29 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2016				2017					
						Jan				Feb		Mar		Apr	
G-14 Transformer Room															
13530	ADB G-14 - Internal walls / Cast-in items	1d	18-Apr-17	18-Apr-17	-185d										
G-15 LV Switch Room															
13178	ADB G-15 - Internal walls / Cast-in items	1d	18-Apr-17	18-Apr-17	-197d										
G-50 HKE/HV Switch Room															
13532	ADB (Xb) G-50 - Internal walls / Cast-in items	1d	18-Apr-17	18-Apr-17	-197d										
GL (G - H)															
13152b2	ADB - G/F (GL G-H) - G/F slab construction	24d	28-Nov-16 A	07-Feb-17	-188d										
13154b2	ADB - G/F (GL G-H) - Formwork for column / walls	8d	08-Feb-17	16-Feb-17	-188d										
13156b2	ADB - G/F (GL G-H) - Rebar fixing for column / walls	12d	17-Feb-17	02-Mar-17	-188d										
13158b2	ADB - G/F (GL G-H) - Concrete for column / walls	1d	03-Mar-17	03-Mar-17	-188d										
13160b2	ADB - G/F (GL G-H) - Scaffolding for beam & slab	12d	04-Mar-17	17-Mar-17	-188d										
13162b2	ADB - G/F (GL G-H) - Decking / Formwork for beam & slab	12d	10-Mar-17	23-Mar-17	-148d										
13164b2	ADB - G/F (GL G-H) - Rebar for beam & slab	12d	14-Mar-17	27-Mar-17	-148d										
13166b2	ADB - G/F (GL G-H) - Close formwork for beam & slab	12d	20-Mar-17	01-Apr-17	-148d										
13168b2	ADB - G/F (GL G-H) - Concrete beam & slab (Roofslab)	1d	03-Apr-17	03-Apr-17	-148d										
G-21 F.S.Control Room															
13170	ADB G-21 - Internal walls / Cast-in items	1d	03-Apr-17	03-Apr-17	-148d										
13172	ADB G-21 - Plinths for F.S. Pump	6d	05-Apr-17	11-Apr-17	-148d										
GL (K - N)															
13152b4	ADB - G/F (GL K-N) - G/F slab construction	24d	10-Dec-16 A	21-Jan-17	-180d										
13154b4	ADB - G/F (GL K-N) - Formwork for column / walls	8d	23-Jan-17	07-Feb-17	-180d										
13156b4	ADB - G/F (GL K-N) - Rebar fixing for column / walls	12d	08-Feb-17	21-Feb-17	-180d										
13158b4	ADB - G/F (GL K-N) - Concrete for column / walls	1d	22-Feb-17	22-Feb-17	-180d										
13160b4	ADB - G/F (GL K-N) - Scaffolding for beam & slab	12d	04-Mar-17	17-Mar-17	-188d										

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Leighton Contractors (Asia) Limited

Programme Update 35 (January 2017)

THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 30 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			
						Jan	Feb	Mar	Apr
13162b4	ADB - G/F (GL K-N) - Decking / Formwork for beam & slab	12d	10-Mar-17	23-Mar-17	-188d				
13164b4	ADB - G/F (GL K-N) - Rebar for beam & slab	12d	14-Mar-17	27-Mar-17	-188d				
13166b4	ADB - G/F (GL K-N) - Close formwork for beam & slab	12d	20-Mar-17	01-Apr-17	-188d				
13168b4	ADB - G/F (GL K-N) - Concrete beam & slab (Roof slab)	1d	03-Apr-17	03-Apr-17	-188d				
G/F (GL K - N) Other Rooms / Corridors / Staircase									
13174	ADB G/F (GL F-N) - Remaining Internal walls / Cast-in items	1d	03-Apr-17	03-Apr-17	-188d				
13176	ADB G/F (GL F-N) - Plinths / R.C. curbs	12d	05-Apr-17	21-Apr-17	-188d				
1/F									
GL (A - C)									
13202	ADB - 1/F (GL A-C) - Formwork for column / walls	6d	12-Dec-16 A	11-Jan-17 A					
13204	ADB - 1/F (GL A-C) - Rebar fixing for column / walls	10d	12-Jan-17 A	04-Feb-17	-197d				
13206	ADB - 1/F (GL A-C) - Concrete for column / walls	1d	06-Feb-17	06-Feb-17	-197d				
13208	ADB - 1/F (GL A-C) - Scaffolding for beam & slab	12d	07-Feb-17	20-Feb-17	-197d				
13210	ADB - 1/F (GL A-C) - Decking / Formwork for beam & slab	12d	14-Feb-17	27-Feb-17	-197d				
13212	ADB - 1/F (GL A-C) - Rebar for beam & slab	12d	21-Feb-17	06-Mar-17	-197d				
13214	ADB - 1/F (GL A-C) - Close formwork for beam & slab	12d	28-Feb-17	13-Mar-17	-197d				
13216	ADB - 1/F (GL A-C) - Concrete beam & slab (Roof Slab)	1d	14-Mar-17	14-Mar-17	-171d				
L1-08 Water Pump Room									
13578	ADB - L1-09 - Internal walls / Cast-in items	1d	15-Mar-17	15-Mar-17	-136d				
13580	ADB - L1-09 - Plinths for F.S. Pump	6d	16-Mar-17	22-Mar-17	-136d				
13582	ADB - L1-09 - Water Tank	20d	23-Mar-17	19-Apr-17	-136d				
L1-09 F.S. Water Tank & Pump Room									
13222	ADB - L1-09 - Internal walls / Cast-in items	1d	14-Mar-17	14-Mar-17	-129d				
13224	ADB - L1-09 - Plinths for F.S. Pump	6d	15-Mar-17	21-Mar-17	-129d				
13226	ADB - L1-09 - Water Tank	20d	22-Mar-17	18-Apr-17	-129d				

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 31 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017				
						Jan	Feb	Mar	Apr	
1/F (GL A - D) Other Rooms / Corridors / Staircase										
13218	ADB - 1/F (GLA-C) - Remaining Internal walls / Cast-in items	1d	14-Mar-17	14-Mar-17	-133d					
13220	ADB - 1/F (GLA-C) - Plinths / R.C. curbs	30d	15-Mar-17	22-Apr-17	-133d					
East Ventilation Shaft (EVS)										
ABWF Works										
3822	EVS - ABWF (Wet Trade) (Progress affected by high humidity and rainy weather)	60d	12-Apr-16 A	23-Feb-17	-307d					
3826	EVS - ABWF (Dry Trade)	60d	24-Feb-17	11-May-17	-295d					
External Facade										
19058	EVS - Preparation works for cone louvre	10d	09-Jan-17 A	19-Jan-17 A						
19060	EVS -Cone louvre installation	24d	20-Jan-17	23-Feb-17	-136d					
3832	EVS - Architectural Features of EVS	120d	18-Apr-17	08-Sep-17	-297d					
MEP Works										
3834	MEP(EVS) - E&M Start	0d	24-Feb-17		-307d					
3836	MEP(EVS) - E&M 1st Fix	30d	24-Feb-17	30-Mar-17	-307d					
3838	MEP(EVS) - E&M 2nd Fix	30d	31-Mar-17	11-May-17	-307d					
Satellite Control Points 4 / 5										
SCP4										
3776	SCP4 - Possession of Portion VIIIc	0d	28-Feb-17		-50d					
3778	SCP4 - Initial Site Survey	6d	28-Feb-17	06-Mar-17	-37d					
3780	SCP4 - Erect Hoarding	6d	07-Mar-17	13-Mar-17	-37d					
3782	SCP4 - Mobilisation and setup	12d	14-Mar-17	27-Mar-17	-37d					
3784	SCP4 - Construct SCP RC Structures	24d	28-Mar-17	28-Apr-17	-37d					
SCP5										
3828	SCP5 - Mobilization for Area B	0d	20-Jan-17*		-142d					
3848	SCP5 - Initial Site Survey	6d	20-Jan-17	26-Jan-17	-142d					

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

Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 32 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
20-Jan-17	U035	AT	CW

Data Date: 20-Jan-17

CWB(CC) - Commissioning Contract

TASK filters: 3 Months_4, 3MRP, No Level of Effort, No Original Sections, No summary_1, Not HL.

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017																	
						Jan	Feb	Mar	Apr														
3852	SCP5 - Erect Hoarding	6d	27-Jan-17	09-Feb-17	-142d																		
3868	SCP5 - Mobilisation and setup	12d	10-Feb-17	23-Feb-17	-142d																		
3870a	SCP5 - Construct walls upto R/F - Falseworks & Formwork	5d	24-Feb-17	01-Mar-17	-142d																		
3870b	SCP5 - Construct walls upto R/F - Rebar fixing	3d	02-Mar-17	04-Mar-17	-142d																		
3870c	SCP5 - Construct walls upto R/F - Close formwork	5d	06-Mar-17	10-Mar-17	-142d																		
3870d	SCP5 - Construct beams & slab upto R/F - Scaffolding, falsework & formwork	7d	11-Mar-17	18-Mar-17	-142d																		
3870e	SCP5 - Construct beams & slab upto R/F - Rebar fixing	3d	20-Mar-17	22-Mar-17	-142d																		
3870f	SCP5 - Construct beams & slab upto R/F - Concreting	1d	23-Mar-17	23-Mar-17	-142d																		
3872	SCP5 - ABWF Works	24d	24-Mar-17	25-Apr-17	-136d																		
3886	SCP5 - External Works	30d	24-Mar-17	04-May-17	-142d																		
External Works																							
Area A/B																							
10288a3	Request for VO/instruction-TCSS equipment installation & cabling (Gantries FVMS1 /ADS01) (Ref: H27613-LJV-ME-LE-4022)	24d	04-Oct-16 A	14-Mar-17	-105d																		
10288C11	C18 gantry installation complete (FVMS 1)	0d		20-Jan-17*	-66d																		
10288a1	Area A TCSS equipment installation and cabling (Gantry FVMS 1) - After C18 gantry installation complete	40d	15-Mar-17	06-May-17	-105d																		
10288a2	Area A TCSS equipment installation and cabling (Gantry ADS01) - Start date is tentative and to be confirmed	40d	15-Mar-17	06-May-17	-105d																		
Area B TCSS																							
Noise Enclosure (Live Traffic, TTA) - Night Shift																							
10288b12	Area B noise enclosure (Live Traffic Area) - TTA/TMLG consultation	180d	20-Jan-17	18-Jul-17	-470d																		
Area B Tunnel Lighting																							
Remaining Area (No TTA Required)																							
18000	Area B - C19 Handover of completed route of cable ductings from SCP-5 to CH 5420	0d	20-Jan-17*		95d																		
18002	Area B (Remaining No TTA) - Cable laying along cable duct	11d	20-Jan-17	08-Feb-17	95d																		
18004	Area B (Remaining No TTA) - Noise enclosure lighting brackets installation	57d	09-Feb-17	20-Apr-17	95d																		
18006	Area B (Remaining No TTA) - Cable containment installation	37d	14-Mar-17	29-Apr-17	95d																		

- ◆ Current Milestone
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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

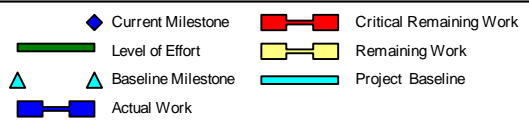
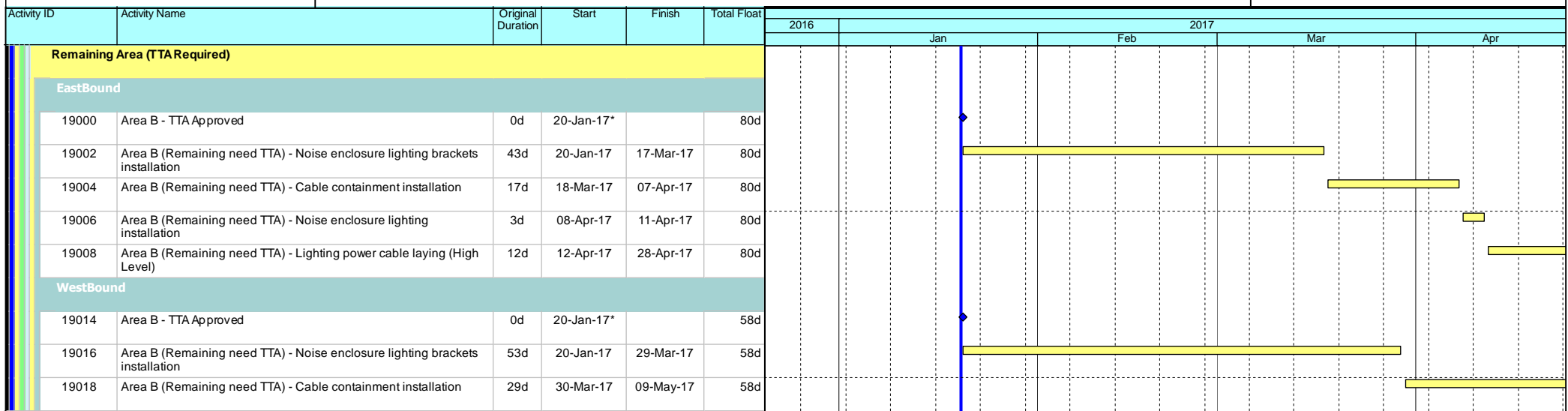
Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 33 of 34

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CWB(CC) - Commissioning Contract

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Leighton Contractors (Asia) Limited Programme Update 35 (January 2017) THREE MONTH ROLLING

Project ID: H2613-U035
 Baseline: DWP2d
 Layout: Update Three Month Rolling U035
 Page 34 of 34

Date	Revision	Checked	Appro...
20-Dec-16	U034	AT	CW
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