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/D, FURTHER EVIRONMENTAL PERMIT NOS. FEP-01/364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B AND FEP-11/364/2009/B

## MONTHLY ENVIRONMENTAL MONITORING \& AUDIT REPORT

- SEPTEMBER 2016 -


## CLIENTS:

Civil Engineering and Development Department
and
Highways Department

PREPARED BY:

Lam Geotechnics Limited
11/F Centre Point 181-185 Gloucester Road, Wanchai, H.K.

Telephone: (852) 2882-3939
Facsimile: (852) 2882-3331
E-mail: info@lamenviro.com
Website: http://www.lamenviro.com

CERTIFIED BY:


Raymond Dai
Environmental Team Leader

DATE:

14 October 2016

Ref．：AACWBIECEM00＿0＿8622L． 16

AECOM Asia Company Limited

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（September 2016）
for EP－364／2009／D，FEP－01／364／2009，FEP－02／364／2009，FEP－
$\underline{\mathbf{0 5 / 3 6 4 / 2 0 0 9} / \mathrm{A}, \text { FEP－06／364／2009／A，FEP－07／364／2009／D，FEP－}}$
$\underline{09 / 364 / 2009 / B, ~ F E P-10 / 364 / 2009 / B ~ \& ~ F E P-11 / 364 / 2009 / B ~}$
Reference is made to the Environmental Team＇s submission of the captioned Monthly Environmental Monitoring and Audit（EM\＆A）Report for September 2016 received by e－mail on 14 October 2016 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．Eddy Wu | by fax： 27145289 |
| :--- | :--- | :--- | :--- |
|  | CEDD | Attn：Mr．Stephen Lo | by fax： 25775040 |
|  | Lam | Attn：Mr．Raymond Dai | by fax： 28823331 |
|  | AECOM | Attn：Mr．Francis Leong／Stephen Lai | by fax： 26912649 |

Q：\Projects\AACWBIECEM00\Corr\AACWBIECEM00＿0＿8622L．16．docx

[^0]
## TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... 4

1. INTRODUCTION. ..... 9
1.1 Scope of the Report ..... 10
1.2 Structure of the Report ..... 10
2. PROJECT BACKGROUND ..... 12
2.1 Background ..... 12
2.2 Scope of the Project and Site Description ..... 12
2.3 Division of the Project Responsibility ..... 13
2.4 Project Organization and Contact Personnel ..... 14
3. STATUS OF REGULATORY COMPLIANCE. ..... 19
3.1 Status of Environmental Licensing and Permitting under the Project. ..... 21
4. MONITORING REQUIREMENTS ..... 36
4.1 Noise Monitoring ..... 36
4.2 Air Quality Monitoring ..... 38
5. MONITORING RESULTS. ..... 40
5.1 Noise Monitoring Results ..... 41
5.2 Real Time Noise Monitoring Results. ..... 44
5.3 Air Quality Monitoring Results ..... 45
5.4 Waste Monitoring Results ..... 51
6. COMPLIANCE AUDIT ..... 57
6.1 Noise Monitoring ..... 57
6.2 Air Quality Monitoring ..... 58
6.3 Review of the Reasons for and the Implications of Non-compliance ..... 60
6.4 Summary of action taken in the event of and follow-up on non-compliance ..... 60
7. CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS. ..... 61
8. ENVIROMENTAL SITE AUDIT ..... 62
9. COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION ..... 64
10. CONCLUSION ..... 66

## LIST OF TABLES

Table 2.1 Schedule 2 Designated Projects under this Project
Table 2.2 Details of Individual Contracts under the Project
Table 2.3 Contact Details of Key Personnel
Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project
Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/01
Table 3.3 Summary of submission status under FEP-02/364/2009
Table 3.4 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02
Table 3.5 Summary of submission status under FEP-01/364/2009
Table 3.6 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/18
Table 3.7 Summary of submission status under FEP-05/364/2009/A
Table 3.8 Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/15
Table 3.9 Summary of submission status under FEP-06/364/2009/A
Table 3.10 Cumulative Summary of Valid License and Permits under Contract no. HY/2009/19
Table 3.11 Summary of submission status under FEP-07/364/2009/D
Table 3.12 Cumulative Summary of Valid License and Permits under Contract no. HK/2012/08
Table 3.13 Summary of submission status under FEP-09/364/2009/B
Table 3.14 Cumulative Summary of Valid License and Permits under Contract no. HY/2010/08
Table 3.15 Summary of submission status under FEP-10/364/2009/B
Table 3.16 Cumulative Summary of Valid License and Permits under Contract no. HY/2011/08
Table 3.17 Summary of submission status under FEP-11/364/2009/B
Table 4.1 Noise Monitoring Stations
Table 4.2 Real Time Noise Monitoring Stations
Table 4.3 Air Quality Monitoring Stations
Table 5.1 Noise Monitoring Stations for Contract no. HY/2009/18
Table 5.2 Noise Monitoring Station for Contract no HK/2009/01 and HK/2009/02
Table 5.3 Noise Monitoring Stations for Contract no. HY/2009/15
Table 5.4 Noise Monitoring Stations for Contract no. HY/2009/19
Table $5.5 \quad$ Noise Monitoring Stations for Contract no. HY/2010/08
Table 5.6 Noise Monitoring Stations for Contract no. HY/2011/08
Table 5.7 Real Time Noise Monitoring Stations for Contract no. HY/2009/19
Table 5.8 Real Time Noise Monitoring Stations for Contract no. HY/2011/08
Table 5.9 Air Quality Monitoring Station for Contract no. HY/2009/18
Table 5.10 Air Quality Monitoring Station for Contract no. HK/2009/01
Table 5.11 Air Quality Monitoring Station for Contract no. HK/2009/02
Table 5.12 Air Quality Monitoring Stations for Contract no. HY/2009/15
Table 5.13 Air Quality Monitoring Station for Contract no. HY/2009/19
Table 5.14 Air Quality Monitoring Station for Contract no. HK/2012/08
Table 5.15 Air Quality Monitoring Stations for Contract no. HY/2010/08
Table 5.16 Air Quality Monitoring Stations for Contract no. HY/2011/08
Table 5.17 Details of Waste Disposal for Contract no. HK/2009/01
Table 5.18 Details of Waste Disposal for Contract no. HK/2009/02
Table 5.19 Details of Waste Disposal for Contract no. HY/2009/18
Table 5.20 Details of Waste Disposal for Contract no. HY/2009/15
Table 5.21 Details of Waste Disposal for Contract no. HY/2009/19
Table 5.22 Details of Waste Disposal for Contract no. HK/2012/08
Table 5.23 Details of Waste Disposal for Contract no. HY/2010/08
Table 5.24 Details of Waste Disposal for Contract no. HY/2011/08
Table 8.1 Summary of Environmental Inspections for Contract no. HY/2009/15
Table 8.3 Summary of Environmental Inspections for Contract no. HY/2009/19
Table 8.5 Summary of Environmental Inspections for Contract no. HK/2009/02
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 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

Figure 2.1 Project Layout
Figure 2.2 Project Organization Chart
Figure 4.1 Locations of Environmental Monitoring Stations

## LIST OF APPENDICES

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

## EXECUTIVE SUMMARY

i. This is the Environmental Monitoring and Audit (EM\&A) Monthly Report - September 2016 specific for Environmental Permit no. EP-364/2009/D, Further Environmental Permit nos. FEP-01/364/2009, FEP-02-364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A FEP07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009/B and FEP-11/364/2009/B. 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 August 2016 to 26 September 2016.
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
- Modification and Construction of Sign Gantries / Traffic Signs
- 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 outfall
- 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- Tunnel structure construction
- Waterproofing layer at tunnel top slab
- Removal of ELS S4
- Backfilling work
- Excavation work
- ELS S1 layer installation
- ELS S2 layer installation
- Removal of bulkhead wall
- Demolition of ex-WSD salt water pumping station

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


## 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
- Bridge construction and segment erection
- Hing Fat Street modification works
- Hing Fat Street Slip Road Bridge E L3 railing construction
- EVB waterproofing \& back filling works
- Pier 22 to 28 Tie Beam construction

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

- Grouting
- Construction of MVB and CWB Tunnel
- Construction of concrete plug
- Excavation and lateral support installation for CWB tunnel


## Contract no. HY/2010/08 -Central - Wan Chai Bypass (CWB) -Tunnel (Slip Road 8) under

 FEP-10/364/2009B- Tree protection works next to existing BGO,
- Drainage improvement works,
- Excavation and Lateral Support for U-structure,
- Grouting 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-11/364/2009B

- 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


## 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. 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.
vi. 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.
vii. 24-hour real time noise monitoring was conducted at RTN2a - Hong Kong Electric Centre. No limit level exceedance was recorded in the reporting month.
viii. 24-hour real time noise monitoring was conducted at RTN3 - Yu Lee Mo Fan Memorial School. No project related exceedance was recorded in the reporting month.
ix. $\quad 24$-hour real time noise monitoring was conducted at RTN4 - Causeway Bay Community Centre. No project related exceedance was recorded in the reporting month.

## Air Quality Monitoring

x. 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.
xi. Two 1 hr TSP action level exceedances were recorded at CMA5b- Pedestrian Plaza on 14 September 2016 and 26 September 2016 in the reporting month. The exceedances were concluded as non-project related.
xii. Due to interruption of electricity supply, the following TSP monitoring were rescheduled :The 24 hr TSP monitoring at air quality monitoring station CMA5b was rescheduled from 19 September 2016 to 20 September 2016.
The 24 hr TSP monitoring at air quality monitoring station MA1e was rescheduled from 19 September 2016 to 20 September 2016.

## Complaints, Notifications of Summons and Successful Prosecutions

xiii. One environmental complaint was received in the reporting month.
xiv. 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.

ET confirmed with the Resident Site Staff that underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100 hrs on 04 September 2016. Total 1 no. of generator and 1 no. of welding machine were in operation. 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 2359 hrs on 03 September 2016. Total 1 no. of grout mixer, 1 no. of agitator and 1 no. of grout pump were in operation.

Based on the site records confirmed by RSS, underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100 hrs 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 0100 hrs 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.

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.

## 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
- Modification and Construction of Sign Gantries / Traffic Signs
- 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 outfall
- 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

- Concreting of protective screeding on tunnel top slab
- Waterproofing layer at tunnel top slab
- Tunnel backfilling \& filling of seawall bedding
- Remedial work of tunnel wall, base slab, OHVD slab and top slab
- General cleaning of OHVD \& tunnel base slap, carrier drain and cross road duct
- Bulkhead wall removal works
- Excavation work
- Strut installation
- Demolition of ex-WSD Salt Water Pumping Station
- Removal of EVA bridge between Portion 1 and 2


## 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

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
- Bridge construction
- Hing Fat Street modification works
- Pier 22 to 28 Tie Beam construction continues
- Oil Street drainage works
- 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-09/364/2009/B

- Grouting
- Construction of MVB and CWB Tunnel
- Construction of concrete plug
- Excavation and lateral support installation for 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,
- Excavation and Lateral Support for U-structure,
- Grouting 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-11/364/2009B

- 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


## 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/D and Further Environmental permit nos. FEP01/364/2009, FEP-02/364/2009, FEP-05/364/2009/A, FEP-06/364/2009/A, FEP07/364/2009/D, FEP-09/364/2009/B, FEP-10/364/2009B and FEP-11/364/2009B 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. EP364/2009/D, 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, FEP10/364/2009/B and FEP-11/364/2009/B during the period 27 August 2016 to 26 September 2016.

### 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. <br> 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. <br> Section 9 Complaints, Notification of summons and Prosecution - summarizes the cumulative statistics on complaints, notification of summons and prosecution <br> 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 800 m 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 <br> (CWB) including its road <br> tunnel and slip roads | Schedule 2, Part I, A.1 <br> and A.7 | Trunk road and road tunnel <br> more than 800 m in length |
| DP2 | Road P2 and other roads <br> which are classified as <br> primary/district distributor <br> roads | Schedule 2, Part I, A.1 | Primary / district distributor <br> roads |
| DP3 | Reclamation works including <br> associated dredging works | Schedule 2, Part I, C.1 <br> and C.12 | Reclamation more than 5 ha <br> in size and a dredging <br> operation less than 100 m <br> from a seawater intake point |
| DP5 | Wan Chai East Sewage <br> Outfall | Schedule 2, Part I, F.5 <br> and F.6 | Submarine sewage pipelines <br> with a total diameter more <br> than 1,200 mm and include a <br> submarine sewage outfall |
| DP6 | Dredging for the Cross- <br> harbour Water Mains from <br> Wan Chai to Tsim Sha Tsui | Schedule 2, Part I, C.12 | A dredging operation less <br> than 100 m from a seawater <br> 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 Table2.2.

Table 2.2 Details of Individual Contracts under the Project

| Contract <br> No. | Contract Title | Associated DP(s) | Construction <br> Commencement Date |
| :--- | :--- | :--- | :--- |
| HY/2009/17 | Central - Wan Chai Bypass (CWB) at <br> FEHD Whitfield Depot - Advanced <br> piling works. | DP1 | 5 October 2010 <br> (Completed) |
| HY/2009/18 | Central - Wan Chai Bypass (CWB) - <br> Central Interchange | DP1 | 21 April 2011 |
| 04/HY/2006 | Reconstruction of Bus Terminus near <br> Man Yiu Street and Man Kwong Street | DP1 | September 2010 <br> (Completed) |
| HK/2009/01 | Wan Chai Development Phase II - <br> Central - Wan Chai Bypass at Hong <br> Kong Convention and Exhibition <br> Centre - Tunnel Works | DP1, DP2 | 25 August 2011 |


| Contract <br> No. | Contract Title | Associated DP(s) | Construction <br> Commencement Date |
| :--- | :--- | :--- | :--- |
| HK/2009/02 | Wan Chai Development Phase II - <br> Central - Wan Chai Bypass at Wan <br> Chai East(CWB Tunnel) | DP1 | 26 April 2011 |
| HY/2009/15 | Central-Wanchai Bypass - Tunnel <br> (Causeway Bay Typhoon Shelter <br> Section) | DP1,DP3 | 13 July 2011 |
| HY/2009/19 | Central - Wanchai Bypass Tunnel <br> (North Point Section) and Island Eastern <br> Corridor Link | DP1 | 24 March 2011 |
| HK/2010/06 | Wan Chai Development Phase II- <br> Central-Wan Chai Bypass over MTR <br> Tsuen Wan Line | DP3 | 22 March 2011 |
| (Completed) |  |  |  |
| HK/2012/08 | Wan Chai Development Phase II- <br> Central-Wan Chai Bypass at Wan Chai <br> West | DP1,DP2, DP3 | 10 March 2014 |
| HY/2010/08 | Central- Wanchai Bypass Tunnel - <br> Tunnel (Slip Road 8) | DP1, DP2, DP3 | 21 March 2013 |
| HY/2011/08 | Central - Wan Chai Bypass (CWB) - <br> Tunnel Buildings, Systems and Fittings, <br> and Works Associated with Tunnel <br> 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 <br> Fax |
| :--- | :--- | :--- | :--- | :--- | :--- |
| AECOM | Engineer's <br> Representative <br> for WDII | Principal <br> Resident <br> Engineer | Mr. Frankie Fan | 25871778 | 25871877 |
|  | Engineer's <br> Representative <br> for CWB | Principal <br> Resident <br> Engineer | Mr. Peter Poon | 39123388 | 39123010 |
|  | Contractor <br> under Contract <br> no. HK/2009/01 | Project Manager | Mr. Simon Liu | 21629909 | 26341626 |
|  |  | Site Agent | Mr. Andy Yu | 96484896 |  |
|  | Construction <br> Manager | Mr. Terry Wong | 97579846 |  |  |
|  |  | Construction <br> Manager | Mr. Wyman <br> Wong | 96272467 |  |


| Party | Role | Post | Name | Contact No. | Contact <br> Fax |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Construction <br> Manager | Mr. Terry Tsang | 66839394 |  |
|  |  | Environmental <br> Officer | Ms. Wendy Ng | 98030057 |  |
|  |  | Assistant <br> Environmental <br> Engineer | Ms. Connie <br> Chan | 61577057 |  |


| Party | Role | Post | Name | Contact No. | $\begin{aligned} & \text { Contact } \\ & \text { Fax } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Environmental Supervisor | Mr. Y.L. Ho | 60504919 |  |
| China State | Contractor under Contract no.HY/2010/08 | Project Director | Cheung Kit Cheung | 35576399 | 25668061 |
|  |  | Project Manager | Chan Ying Lun | 98120592 |  |
|  |  | Deputy Project Manager | Chris Leung | 34674299 |  |
|  |  | Site Agent | Mr. Andrew Wong | 34674277 |  |
|  |  | Environmental Officer | Mr. Gabriel Wong | 35576464 |  |
|  |  | Environmental Supervisor | Mr. Louis Lam Tsz Kwan | 35576470 |  |
| Leighton Joint Venture | Contractor under Contract no. HY/2011/08 | Project Manager | Paul Evans | 28231111 | 21406799 |
|  |  | Site Agent | Colman Wong | 97300806 |  |
|  |  | Environmental Officer | Malcolm Leung | 39730850 |  |
|  |  | Environmental Supervisor | Christy So | 39731065 |  |
| Ramboll Environ Hong Kong Limited | Independent Environmental Checker (IEC) | Independent Environmental Checker (IEC) | Mr. David Yeung | 34652888 | 34652899 |
| Lam Geotechnics Limited | Environmental Team (ET) | Environmental Team Leader (ETL) | Mr. Raymond Dai | 28823939 | 28823331 |

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
- Modification and Construction of Sign Gantries / Traffic Signs
- 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 outfall
- 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- Tunnel structure construction
- Waterproofing layer at tunnel top slab
- Removal of ELS S4
- Backfilling work
- Excavation work
- ELS S1 layer installation
- ELS S2 layer installation
- Removal of bulkhead wall
- Demolition of ex-WSD salt water pumping station


## 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

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
- Bridge construction and segment erection
- Hing Fat Street modification works
- Hing Fat Street Slip Road Bridge E L3 railing construction
- EVB waterproofing \& back filling works
- Pier 22 to 28 Tie Beam construction

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

- Grouting
- Construction of MVB and CWB Tunnel
- Construction of concrete plug
- Excavation and lateral support installation for CWB tunnel

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

- Tree protection works next to existing BGO,
- Drainage improvement works,
- Excavation and Lateral Support for U-structure,
- Grouting 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-11/364/2009B

- 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
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
- Modification and Construction of Sign Gantries / Traffic Signs
- 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 outfall
- 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

- Concreting of protective screeding on tunnel top slab
- Waterproofing layer at tunnel top slab
- Tunnel backfilling \& filling of seawall bedding
- Remedial work of tunnel wall, base slab, OHVD slab and top slab
- General cleaning of OHVD \& tunnel base slap, carrier drain and cross road duct
- Bulkhead wall removal works
- Excavation work
- Strut installation
- Demolition of ex-WSD Salt Water Pumping Station
- Removal of EVA bridge between Portion 1 and 2


## 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


## 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
- Bridge construction
- Hing Fat Street modification works
- Pier 22 to 28 Tie Beam construction continues
- Oil Street drainage works
- 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-09/364/2009/B

- Grouting
- Construction of MVB and CWB Tunnel
- Construction of concrete plug
- Excavation and lateral support installation for 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,
- Excavation and Lateral Support for U-structure,
- Grouting 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-11/364/2009B

- 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


## 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 | 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 | 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 nonpilling equipment | GW-RS0243-16 | 11 Mar 2016 | 14 Mar 2016 to 13 Sep 2016 | Cancelled |
|  | GW-RS0384-16 | 19 Apr 2016 | 22 Apr 2016 to 19 Oct 2016 | Valid |
|  | GW-RS0435-16 | 03 May 2016 | 08 May 2016 to 07 Nov 2016 | Valid |
|  | GW-RS0482-16 | 17 May 2016 | 19 May 2016 to 18 Nov 2016 | Valid |
|  | GW-RS0486-16 | 17 May 2016 | 19 May 2016 to 18 Nov 2016 | Valid |
|  | GW-RS0488-16 | 17 May 2016 | 19 May 2016 to 18 Nov 2016 | Valid |
|  | GW-RS0492-16 | 20 May 2016 | $\begin{gathered} 23 \text { May } 2016 \text { to } \\ 22 \text { Nov } 2016 \end{gathered}$ | Valid |
|  | GW-RS0493-16 | 20 May 2016 | 23 May 2016 to 22 Nov 2016 | Valid |
|  | GW-RS0495-16 | 20 May 2016 | 19 May 2016 to 18 Nov 2016 | Valid |
|  | GW-RS0546-16 | 27 May 2016 | 30 May 2016 to 26 Nov 2016 | Cancelled |
|  | GW-RS0592-16 | 13 Jun 2016 | 15 Jun 2016 to 12 Dec 2016 | Valid |
|  | GW-RS0636-16 | 20 Jun 2016 | 21 Jun 2016 to 19 Dec 2016 | Valid |
|  | GW-RS0822-16 | 28 Jul 2016 | 7 Aug 2016 to 31 Jan 2017 | Valid |


| Permits and/or <br> Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :---: | :---: | :---: | :---: | :---: |
| Discharge License | WT00024952- <br> 2016 | 06 Jul 2016 | 31 Jul 2021 | Valid |
|  | WT00021138- <br> 2015 | 17 Mar 2014 | 31 Mar 2020 | Valid |
| Billing account under <br> Waste Disposal <br> Ordinance | 7010069 | 21 Jan 2010 | N/A | Valid |
| Registration as a <br> Chemical Waste <br> Producer | WPN5213-134- <br> 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 <br> 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 Licences | Reference No. | Issued Date | Valid Period/ Expiry Date | Status |
| :---: | :---: | :---: | :---: | :---: |
| Further Environmental Permit | FEP-03/356/2009 | 24 Mar 2010 | N/A | Valid |
|  | FEP-01/364/2009 | 24 Mar 2010 | N/A | Valid |
| Notification of Works Under APCO | 313962 | 2 Feb 2010 | N/A | Valid |
| Construction Noise Permit (CNP) for nonpilling equipment | GW-RS0390-16 | 22 Apr 2016 | 27 Apr 2016 to 26 Oct 2016 | Valid |
|  | GW-RS0399-16 | 27 Apr 2016 | 27 Apr 2016 to 26 Oct 2016 | Valid |
|  | GW-RS0403-16 | 27 Apr 2016 | 30 Apr 2016 to 24 Sep 2016 | Cancelled |
|  | GW-RS0516-16 | 20 May 2016 | 23 May 2016 to 22 Nov 2016 | Cancelled |
|  | GW-RS0593-16 | 13 Jun 2016 | 15 Jun 2016 to 12 Dec 2016 | Valid |
|  | GW-RS0803-16 | 28 Jul 2016 | 30 Jul 2016 to 27 Jan 2017 | Valid |
|  | GW-RS0926-16 | 05 Sep 2016 | 07 Sep 2016 to 04 Mar 2017 | Valid |
|  | GW-RS0985-16 | 19 Sep 2016 | 20 Sep 2016 to 18 Mar 2017 | Valid |
| 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) | $\begin{aligned} & \text { WPN5213-135- } \\ & \text { C3593-01 } \end{aligned}$ | 10 Mar 2010 | N/A | Valid |


| Permits and/or Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :---: | :---: | :---: | :--- | :--- |
| Registration as <br> Chemical Waste <br> Producer (TKO 137) | WPN5213-839- <br> C3593-02 | 22 Sep 2010 | N/A | Valid |
| Dumping Permit (Type <br> 1 - Open Sea Disposal) | EP/MD/17-041 | 23 Jun 2017 | 01 Jul 2016 to <br> 31 Dec 2016 | 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 ${ }^{\text {No. }}$ | 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 nonpiling equipment | GW-RS0335-16 | 07 Apr 2016 | 08 Apr 2016 to 30 Sep 2016 | Cancelled |
|  | GW-RS0438-16 | 03 May 2016 | 05 May 2016 to 30 Sep 2016 | Cancelled |
|  | GW-RS0459-16 | 09 May 2016 | 11 May 2016 to 31 Aug 2016 | Expired |
|  | GW-RS0564-16 | 06 Jun 2016 | 08 Jun 2016 to 31 Oct 2016 | Cancelled |
|  | GW-RS0577-16 | 06 Jun 2016 | 08 Jun 2016 to 31 Oct 2016 | Cancelled |
|  | GW-RS0669-16 | 24 Jun 2016 | 01 Jul 2016 to 31 Dec 2016 | Valid |
|  | GW-RS0700-16 | 04 Jul 2016 | 06 Jul 2016 to <br> 31 Oct 2016 | Cancelled |
|  | GW-RS0705-16 | 04 Jul 2016 | 06 Jul 2016 to 31 Oct 2016 | Cancelled |
|  | GW-RS0762-16 | 14 Jul 2016 | 16 Jul 2016 to 31 Oct 2016 | Valid |
|  | GW-RS0847-16 | 15 Aug 2016 | 17 Aug 2016 to 30 Nov 2016 | Valid |
|  | GW-RS0874-16 | 23 Aug 2016 | 25 Aug 2016 to 30 Nov 2016 | 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 |


| Permit / Licence / <br> Notification / <br> Approval | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :---: | :--- | :--- | :--- | :--- |
| Billing Account under <br> Waste Disposal <br> Ordinance (Land) | Account No.: 7011587 | 11 Oct 2010 | Account <br> 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 <br> Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :---: | :---: | :---: | :---: | :--- |
| Further Environmental <br> Permit | FEP-06/364/2009/A | 22 Nov 2010 | N/A | Valid |
| Notification of Works <br> Under APCO | FEP-04/356/2009 | 22 Nov 2010 | N/A | Valid |
| Construction Noise <br> Permit (CNP) for non- <br> piling equipment | G21822 | 24 Sep 2010 | N/A | Valid |
|  | GW-RS0232-16 | 08 Mar 2016 | 9 Mar 2016 to <br> 08 Sep 2016 | Expired |
|  | GW-RS0233-16 | 14 Mar 2016 | 14 Mar 2016 to <br> 10 Sep 2016 | Expired |
|  | GW-RS0235-16 | 10 Mar 2016 | 12 Mar 2016 to <br> 08 Sep 2016 | Expired |


| Permits and/or Licences | Reference No. | Issued Date | Valid Period/ Expiry Date | Status |
| :---: | :---: | :---: | :---: | :---: |
| 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 |
| Billing Account under Waste Disposal Ordinance <br> (Disposal by Vessel) | 7011761 | 13 Jul 2016 | 17 Jul 2016 to <br> 31 Dec 2017 | Valid |
| Water Discharge Licence (Discharge at TPCWAW) | WT00020601-2014 | 18 Mar 2015 | 18 Mar 2015 to 31 Mar 2017 | Valid |
| Water Discharge Licence (Discharge at TPCWAE) | WT00024951-2016 | 8 Jul 2016 | 8 Jul 2016 to 31 Dec 2017 | Valid |
| Water Discharge Licence ( Discharge at TS1) | WT00024874-2016 | 20 Jul 2016 | 20 Jul 2016 to <br> 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 <br> Construction Companies | 16 May 2011 |
|  | 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 | Superseded |
|  | 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 nonpiling equipment | GW-RS0197-16 | 02 Mar 2016 | 02 Mar 2016 to 01 Sep 2016 | Cancelled |
|  | GW-RS0330-16 | 05 Apr 2016 | 05 Apr 2016 to 04 Oct 2016 | Cancelled |
|  | GW-RS0614-16 | 16 Jun 2016 | 16 Jun 2016 to 15 Dec 2016 | Cancelled |
|  | GW-RS0506-16 | 20 May 2016 | 23 May 2016 to 18 Nov 2016 | Valid |
|  | GW-RS0551-16 | 01 Jun 2016 | 18 Jun 2016 to 17 Dec 2016 | Valid |
|  | GW-RS0851-16 | 09 Aug 2016 | 09 Aug 2016 to 08 Feb 2017 | Valid |
|  | GW-RS0987-16 | 22 Sep 2016 | $\begin{gathered} 25 \text { Sep } 2016 \text { to } \\ 02 \text { Oct } 2016 \end{gathered}$ | Valid |
| Water Discharge License | WT00010093-2011 | 17 Aug 2012 | 30 Sep 2016 | Valid |
|  | WT00010865-2011 | 03 Nov 2011 | 30 Nov 2016 | Cancelled |
| Dumping Permit <br> (Approach Ramp) <br> (Type 1 - Open Sea Disposal) | EP/MD/17-078 | 01 Oct 2016 | 31 Mar 2017 | Valid |


| Permits and/or <br> Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :--- | :---: | :---: | :---: | :---: |
| Dumping Permit <br> (Approach Ramp) <br> (Type 2-Confined <br> Marine Disposal) | EP/MD/17-079 | 01 Oct 2016 | 31 Oct 2016 | 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.4) | 22 March 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-09/364/2009/B 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 | $\begin{aligned} & 5 \text { March } \\ & 2013 \end{aligned}$ | N/A | Valid |
|  | FEP-06/356/2009 | $\begin{aligned} & 5 \text { March } \\ & 2013 \end{aligned}$ | N/A | Valid |
| Notification of Works Under APCO | 355439 | 4 Feb 2013 | N/A | Valid |
| Registration as a Chemical Waste Producer | 5213-134-C3790-01 | 8 Mar 2013 | N/A | Valid |
| Billing Account under Waste Disposal Ordinance | 7016883 | 18 Feb 2013 | 18 Jul 2017 | Valid |
| Construction Noise Permit (CNP) for non-piling equipment | GW-RS0212-16 | 8 Mar 2016 | 10 Mar 2016 to 08 Sep 2016 | Cancelled |
|  | GW-RS0386-16 | 20 Apr 2016 | 22 Apr 2016 to 19 Oct 2016 | Cancelled |
|  | GW-RS0583-16 | 10 Jun 2016 | 11 Jun 2016 to 09 Dec 2016 | Cancelled |
|  | GW-RS00739-16 | 12 Jul 2016 | 14 Jul 2016 to 12 Jan 2017 | Valid |
|  | GW-RS0902-16 | 24 Aug 2016 | 26 Aug 2016 to 25 Feb 2017 | Valid |


| Permits and/or Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :--- | :--- | :--- | :--- | :--- |
| Water Discharge Licence | GW-RS0749-16 | 12 Jul 2016 | 14 Jul 2016 to <br> 12 Jan 2017 | Cancelled |
|  | 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-09/364/2009/B

| 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 | $\begin{gathered} \text { WPN5213-147- } \\ \text { C1169-44 } \end{gathered}$ | 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-RW0061-16 | 02 Feb 2016 | 02 Feb 2016 to 31 Jul 2016 | Cancelled |
|  | GW-RS0264-16 | 18 Mar 2016 | $\begin{aligned} & 18 \text { Mar } 2016 \text { to } \\ & 17 \text { Sep } 2016 \end{aligned}$ | Expired |
|  | GW-RS0357-16 | 22 Apr 2016 | 22 Apr 2016 to 21 Oct 2016 | Valid |


| Permits and/or Licences | Reference No. | Issued Date | Valid Period/ Expiry Date | Status |
| :---: | :---: | :---: | :---: | :---: |
|  | GW-RS0362-16 | 22 Apr 2016 | 22 Apr 2016 to <br> 21 Oct 2016 | Cancelled |
|  | GW-RS0407-16 | 20 Apr 2016 | 20 Apr 2016 to 19 Oct 2016 | Valid |
|  | GW-RS0434-16 | 05 May 2016 | 24 May 2016 to 23 Nov 2016 | Valid |
|  | GW-RS0442-16 | 06 May 2016 | 16 May 2016 to 15 Nov 2016 | Valid |
|  | GW-RS0531-16 | 06 Jun 2016 | 06 Jun 2016 to 05 Dec 2016 | Valid |
|  | GW-RW0240-16 | 04 May 2016 | 04 May 2016 to 28 Oct 2016 | Valid |
|  | GW-RS0533-16 | 26 May 2016 | 26 May 2016 to 23 Nov 2016 | Valid |
|  | GW-RS0779-16 | 14 Jul 2016 | 14 Jul 2016 to 13 Jan 2017 | Valid |
|  | GW-RS0838-16 | 03 Aug 2016 | 03 Aug 2016 to 31 Aug 2016 | Cancelled |
|  | GW-RS0869-16 | 20 Aug 2016 | 20 Aug 2016 to 30 Dec 2016 | Valid |
|  | GW-RS0888-16 | 23 Aug 2016 | $\begin{gathered} 02 \text { Sep } 20156 \text { to } \\ 28 \text { Feb } 2017 \end{gathered}$ | Cancelled |
|  | GW-RS0930-16 | 17 Sep 2016 | $\begin{aligned} & 17 \text { Sep } 2016 \text { to } \\ & 17 \text { Mar } 2017 \end{aligned}$ | Valid |
|  | GW-RS0969-16 | 19 Sep 2016 | 19 Sep 2016 to 18 Mar 2017 | Valid |
|  | GW-RS0971-16 | 19 Sep 2016 | 22 Oct 2016 to 20 Apr 2017 | Valid |
|  | GW-RS0977-16 | 21 Sep 2016 | 15 Nov 2016 to 14 May 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/B
3.1.13. The current status on licenses and/or permits on environmental protection pertinent and submission under FEP-11/364/2009/B 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 |
| 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-RS0222-16 | 8 Mar 2016 | 9 Mar 2016 to 31 Aug 2016 | Expired |
|  | GW-RS0284-16 | 23 Mar 2016 | 24 Mar 2016 to 31 Aug 2016 | Expired |
|  | GW-RS0419-16 | 29 Apr 2016 | 1 May 2016 to 31 Oct 2016 | Valid |
|  | GW-RS0520-16 | 24 May 2016 | 01 Jun 2016 to 30 Nov 2016 | Valid |
|  | GW-RS0538-16 | 24 May 2016 | 01 Jun 2016 to 30 Nov 2016 | Valid |
|  | GW-RS0626-16 | 22 Jun 2016 | 1 Jul 2016 to 31 Dec 2016 | Valid |
|  | GW-RS0645-16 | 22 Jun 2016 | $\begin{aligned} & 1 \text { Jul } 2016 \text { to } \\ & 31 \text { Dec } 2016 \end{aligned}$ | Valid |
|  | GW-RS0801-16 | 29 Jul 2016 | 1 Aug 2016 to <br> 31 Jan 2017 | Valid |
|  | GW-RS0811-16 | 28 Jul 2016 | 1 Aug 2016 to 31 Jan 2017 | Valid |
|  | GW-RS0891-16 | 25 Aug 2016 | 1 Sep 2016 to 28 Feb 2017 | Valid |
|  | GW-RS0892-16 | 25 Aug 2016 | 1 Sep 2016 to 28 Feb 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 |


| Permits and/or Licences | Reference No. | Issued Date | Valid Period/ <br> Expiry Date | Status |
| :--- | :--- | :--- | :--- | :--- |
|  | WT00024561-2016 | 30 May 2016 | 31 May 2021 | Valid |

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

| EP Condition | Submission | Date of Submission |
| :---: | :---: | :---: |
| Condition 2.9 | Noise Management Plan (Rev.4) | 23 September 2016 |
| Condition 2.14 | Landscape Plan (Rev.2) | 18 Feb 2015 |
| Condition 2.13 | Operational Air Quality Management Plan for <br> West Ventilation Building (Rev.0) | 25 Nov 2014 |
| Condition 2.13 | Operational Air Quality Management Plan for <br> East Ventilation Building and East Vent Shaft <br> (Rev.0) | 18 Feb 2015 |

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

* 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 (Leq). Leq (30 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, Leq ( 5 minutes) shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as $\mathrm{L}_{10}$ and L90 shall also be obtained for reference.
4.1.4. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:

- One set of measurements between 0700 and 1900 hours on normal weekdays.
4.1.5. 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 ${ }^{\top M}$ 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 $\mathrm{m} / \mathrm{s}$ or wind with gusts exceeding $10 \mathrm{~m} / \mathrm{s}$. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in $\mathrm{m} / \mathrm{s}$.
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- <br> commenced on 14 <br> 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:

- $0.6-1.7 \mathrm{~m}^{3}$ per minute adjustable flow range;
- Equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
- Installed with elapsed-time meter with $+/-2$ minutes accuracy for 24 hours operation;
- Capable of providing a minimum exposed area of 406 cm 2 ;
- 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 $8 " \times 10 "$ shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24 hours and be pre-weighed before use for the sampling.
4.2.9. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg . The balance shall be regularly calibrated against a traceable standard.
4.2.10. All the collected samples shall be kept in a good condition for 6 months before disposal.
4.2.11. Current calibration certificates of equipments are presented in Appendix 4.2.

### 5.0 MONITORING RESULTS

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

- Contract no. HY/2009/15 - Central-Wanchai Bypass - Tunnel (Causeway Bay Typhoon Shelter Section)
- 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 FEP02/364/2009 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 FEP06/364/2009/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-09/364/2009/B
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. No limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre in the reporting month.
5.2.8. Limit level exceedance was recorded at RTN3-Yue Lee Mo Fan Memorial School on 01 and 09 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2009/19, erection of temporary support frame and dissembling of Lifting Gear were conducted on 01 September during the monitoring period and fixing of decking reinforcement at bridge F5 and dissembling of Lifting Gear were conducted on 09 September 2016 during the monitoring period. No major noise emission is considered of the construction works during monitoring while adverse weather with lighting and thunderstorm was recorded across the monitoring period on 01 and 09 September 2016 at Eastern District and is considered as the major noise contribution. As such, the exceedance were considered as non-Project related
5.2.9. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre on 01 and 08 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2009/19, formwork welding and rebar fixing were conducted on 01 September 2016 during the monitoring period and form work removal, concrete curing, excavation and concrete patching at segment joint were conducted on 08 September 2016. No major noise emission is considered for the construction works during monitoring while adverse weather with lighting and thunderstorm were recorded across the monitoring period on 01 and 08 September 2016 at Eastern District and are considered as the major noise contribution. As such, the exceedances were considered as non-Project related.
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. No limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre in the reporting month.
5.2.14. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre on 01 and 08 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2011/08, no construction work around the monitoring station was conducted on 01 September 2016 during the monitoring period and hoarding erection was conducted at EVB area on 08 September 2016. No major noise emission is considered for the construction works during monitoring while adverse weather with lighting and thunderstorm were recorded across the monitoring period on 01 and 08 September 2016 at Eastern District and are considered as the major noise contribution. As such, the exceedances were considered as non-Project related.


### 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 1 hr TSP action level exceedance was recorded at CMA5b on 14 September 2016.
5.3.6 Pipe laying was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station.
5.3.7 One 1 hr TSP action level exceedance was recorded at CMA5b on 26 September 2016.
5.3.8 Manhole construction was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-
project related and potentially contributed by 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 No exceedance was recorded in the reporting month.
5.3.12 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
5.3.13 The commencement of construction works for Contract no. HY/2009/15 under FEP06/364/2009/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 |

5.3.14 No exceedance was recorded in the reporting month.
5.3.15 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
5.3.16 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 |

5.3.17 No exceedance was recorded in the reporting month.
5.3.18 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
5.3.19 The commencement of construction works for Contract no. HK/2012/08 under FEP09/364/2009/C 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 |

5.3.20 One 1 hr TSP action level exceedance was recorded at CMA5b on 14 September 2016.
5.3.21 Despite formwork erection was 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. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station.
5.3.22 One 1hr TSP action level exceedance was recorded at CMA5b on 26 September 2016.
5.3.23 Despite formwork erection and re-bar 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. In view of the above, the action level exceedance was considered to be non-project related and potentially
contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station.
5.3.24 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 Raod 8 Section) under FEP-09/364/2009/B
5.3.25 The commencement of construction works for Contract no. HY/2010/08 under FEP09/364/2009/B 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 |

5.3.26 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
5.3.27 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 |
| CMA2a | Causeway Bay Community Centre |

5.3.28 No exceedance was recorded in the reporting month.
5.3.29 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 <br> month | Cumulative-to-Date | Disposal / Dumping <br> Grounds |
| :--- | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, $\mathbf{m}^{3}$ | 62.54 | 107912.13 | TKO137, TM38 |
| Inert C\&D materials <br> recycled, $\mathbf{m}^{3}$ | Nil | 98512.03 | N/A |
| Non-inert C\&D <br> materials disposed, $\mathbf{m}^{3}$ | 71.74 | 4975.5 | SENT Landfill |
| Non-inert C\&D <br> materials recycled, kg | Nil | 1284946 | N/A |
| Chemical waste <br> disposed, $\mathbf{k g}$ | Nil | 10400 | N/A |
| Marine Sediment <br> (Type 1 - Open Sea <br> Disposal), $\mathbf{m}^{3}$ | Nil | 11527 | South of Cheung Chau |
| Marine Sediment <br> (Type 1-Open Sea <br> Disposal (Dedicate <br> Sites) \& Type 2- <br> Confined Marine <br> Disposal), m3 | Nil | 16261 | East of Cha Chau |

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- <br> to-Date | Disposal / Dumping <br> Grounds |
| :--- | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, $\mathbf{m}^{3}$ | 6 | 501576.412 | TKO137 / TM 38 |
| Inert C\&D materials <br> recycled, $\mathbf{m}^{3}$ | Nil | 46520 | $\mathrm{~N} / \mathrm{A}$ |
| Non-inert C\&D <br> materials disposed, $_{\mathbf{m}^{3}}$ | 134 | 3747.317 | SENT Landfill |
| Non-inert C\&D <br> materials recycled, $\mathbf{m}^{3}$ | Nil | $\mathrm{N} / \mathrm{A}$ | $\mathrm{N} / \mathrm{A}$ |
| Chemical waste <br> disposed, $\mathbf{k g}$ | Nil | 17718 | $\mathrm{~N} / \mathrm{A}$ |
| Marine Sediment <br> (Type $1-$ Open Sea <br> Disposal), $\mathbf{m}^{3}$ | Nil | 31086 | 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 <br> month | Cumulative-to-Date | Disposal / Dumping <br> Grounds |
| :---: | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, $\mathbf{m}^{3}$ | 104 | 140787.94 | T.K.O. 137, TM 38 |
| Inert C\&D materials <br> recycled, $\mathbf{m}^{3}$ | Nil | 58787.05 | $\mathrm{~N} / \mathrm{A}$ |
| Non-inert C\&D <br> materials disposed, <br> $\mathbf{m}^{3}$ | 10.59 | 4185.45 | SENT Landfill |
| Non-inert C\&D <br> materials recycled, <br> ton | Nil | 678.37 | N/A |
| Chemical waste <br> disposed, $\mathbf{k g}$ | Nil | N/A |  |

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-toDate | Disposal / Dumping Grounds |
| :---: | :---: | :---: | :---: |
| Inert C\&D materials disposed, $\mathbf{m}^{\mathbf{3}}$ | $\begin{gathered} 1160.47 \\ \mathrm{Nil} \end{gathered}$ | $\begin{gathered} 622831.24 \\ 245453.3 \end{gathered}$ | Tuen Mun Area 38 TKO137 FB |
| Inert C\&D materials recycled, $\mathbf{m}^{3}$ | Nil | 358660.77 | HY/2009/11 <br> ex-PCWA <br> TS4 /TS2 <br> WDII <br> Lun Ku Tan <br> WENT <br> HY/2010/08 |
| Non-inert C\&D materials disposed, $\mathbf{m}^{3}$ | $\begin{gathered} 50.11 \\ 1.58 \end{gathered}$ | $4515.15$ $1.58$ | SENT Landfill WENT Landfill |
| Non-inert C\&D materials recycled, $\mathbf{m}^{3}$ | 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), $\mathbf{m}^{3}$ | 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 <br> month | Cumulative-to-Date | Disposal I <br> Dumping Grounds |
| :--- | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, ton | 2328.23 | 659822.97 | $\mathrm{~N} / \mathrm{A}$ |
| Inert C\&D materials <br> recycled, ton | Nil | 82349.7 | $\mathrm{~N} / \mathrm{A}$ |
| Non-inert C\&D materials <br> disposed, ton | 105.13 | 5153.41 | SENT Landfill |
| Non-inert C\&D materials <br> recycled, ton | Nil | 560.56 | $\mathrm{~N} / \mathrm{A}$ |
| Chemical waste <br> disposed, kg | 0.1 | 10.02 | $\mathrm{~N} / \mathrm{A}$ |
| Marine Sediment <br> (Tunnel) (Type-1 Open <br> Sea Disposal), m |  |  |  |
| Marine Sediment <br> (Tunnel) (Type 1- Open <br> Sea Disposal (Dedicated | Nil | 20556 | South of Cheung |
| Chau |  |  |  |

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B
5.4.6. 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 <br> Grounds |
| :--- | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, $\mathbf{m}^{3}$ | 2786 <br> 15579 | 175224 <br> 100045 | TKO 137 <br> TM38 |
| Inert C\&D materials <br> recycled, $\mathbf{m}^{3}$ | Nil | Nil | N/A |
| Non-inert C\&D <br> materials <br> disposed, $\mathbf{m}^{3}$ | 230 | 2507 | SENT |
| Non-inert C\&D <br> materials recycled, $\mathbf{m}^{3}$ | Nil | Nil | N/A |
| Chemical waste <br> disposed, $\mathbf{k g}$ | Nil | Nil | N/A |
| Marine sediment <br> (Type 1) disposal, $\mathbf{m}^{3}$ | Nil | 3145 | South of Cheung Chau / <br> East of Sha Chau / <br> South of The Brothers |

Remarks: The cumulative quantity of inert C\&D material disposed and the cumulative amount of inert C\&D material recycled has been clarified in the reporting month.

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, $\mathbf{m}^{3}$ | 5179.3 | 572777 | TM 38 |
|  | Nil | 262656.6 | WENT |
|  | Nil | 82911.8 | SENT |
|  | 113.8 | 71312.5 | TKO area 137 |
| Inert C\&D materials recycled, $\mathrm{m}^{3}$ | Nil | Nil | N/A |
| Non-inert C\&D materials disposed, $\mathbf{m}^{3}$ | 69.1 | 2370.16 | SENT |
| Non-inert C\&D materials recycled, $\mathbf{m}^{3}$ | Nil | Nil | N/A |
| Chemical waste disposed, $\mathbf{k g}$ | Nil | 979 | N/A |
| Type 1 - Open Sea Disposal, $\mathbf{m}^{3}$ | Nil | 16368.4 | East Sha Chau/ South Brothers Island |
| Type 2 - Confined Marine disposal, $\mathbf{m}^{3}$ | Nil | 549.2 | East Sha Chau |

Contract no. HY/2011/08 Central -Central - Wan Chai Bypass (CWB) -Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP11/364/2009B
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 <br> Grounds |
| :---: | :---: | :---: | :---: |
| Inert C\&D materials <br> disposed, $\mathbf{m}^{3}$ | 129.53 | 497.21 | CWPF \& TKO137 |
| Inert C\&D materials <br> recycled, $\mathbf{m}^{3}$ | Nil | Nil | N/A |
| Non-inert C\&D <br> materials disposed, $\mathbf{m}^{3}$ | 116.96 | 964.53 | SENT |
| Non-inert C\&D <br> materials recycled, ton | Nil | 31.72 | $\mathrm{~N} / \mathrm{A}$ |
| Chemical waste <br> disposed, $\mathbf{k g}$ | Nil | N/A |  |

### 6.0 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 FEP11/364/2009B
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. No limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre in the reporting month.
6.1.10. Limit level exceedance was recorded at RTN3-Yue Lee Mo Fan Memorial School on 01 and 09 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2009/19, erection of temporary support frame and dissembling of Lifting Gear were conducted on 01 September during the monitoring period and fixing of decking reinforcement at bridge F5 and dissembling of Lifting Gear were conducted on 09 September 2016 during the monitoring period. No major noise emission is considered of the construction works during monitoring while adverse weather with lighting and thunderstorm was recorded across the monitoring period on 01 and 09 September 2016 at Eastern District and is considered as the major noise contribution. As such, the exceedance were considered as non-Project related
6.1.11. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre on 01 and 08 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2009/19, formwork welding and rebar fixing were conducted on 01 September 2016 during the monitoring period and form work removal, concrete curing, excavation and concrete patching at segment joint were conducted on 08 September 2016. No major noise emission is considered for the construction works during monitoring while adverse weather with lighting and thunderstorm were recorded across the monitoring period on 01 and 08 September 2016 at Eastern District and are considered as the major noise contribution. As such, the exceedances were considered as non-Project related.

Contract no. HY/2011/08 Central -Central - Wan Chai Bypass (CWB) -Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning under FEP11/364/2009B
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. No limit level exceedances were recorded at RTN2a- Hong Kong Electric Centre in the reporting month.
6.1.14. Limit level exceedances were recorded at RTN4-Causeway Bay Community Centre on 01 and 08 September 2016 during daytime in the reporting month. After checking with the Contractor of HY/2011/08, no construction work around the monitoring station was conducted on 01 September 2016 during the monitoring period and hoarding erection was conducted at EVB area on 08 September 2016. No major noise emission is considered for the construction works during monitoring while adverse weather with lighting and thunderstorm were recorded
across the monitoring period on 01 and 08 September 2016 at Eastern District and are considered as the major noise contribution. As such, the exceedances were considered as non-Project related.

### 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 1 hr TSP action level exceedance was recorded at CMA5b on 14 September 2016.
6.2.3. Pipe laying was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station.
6.2.4. One 1 hr TSP action level exceedance was recorded at CMA5b on 26 September 2016.
6.2.5. Manhole construction was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be nonproject related and potentially contributed by 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
6.2.6. No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass - Tunnel (Causeway Bay Typhoon Shelter Section) FEP-06/364/2009/A
6.2.7. 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
6.2.8. No exceedance was recorded in the reporting month.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West under FEP-09/364/2009/B
6.2.9. One 1 hr TSP action level exceedance was recorded at CMA5b on 14 September 2016.
6.2.10. Despite formwork erection was 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. In view of the above, the action level exceedance was
considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station.
6.2.11. One 1 hr TSP action level exceedance was recorded at CMA5b on 26 September 2016.
6.2.12. Despite formwork erection and re-bar 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. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by 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 Raod 8 Section) under FEP-10/364/2009/B
6.2.13. 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 FEP11/364/2009B
6.2.1 No exceedance was recorded in the reporting month.

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

6.3.1. There was no non-compliance from the site audits 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.

### 7.0 CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS

7.0.1. According to Condition 3.4 of the EP-364/2009/D, 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 structural works for tunnel construction, road works and drainage works were performed in September 2016 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 culvert reinstatement, road and drains, building demolition and tunnel works at Wan Chai East and tunnel construction and ELS works at Wan Chai West. The major construction activities under Central-Wan Chai Bypass and Island Eastern Corridor Link Projects were road works and ventilation building construction at Central Interchange, temporary reclamation removal works at Ex-PCWAW, ELS works and retaining wall construction at Victoria Park, ELS works and tunnel works at TS3, bridge construction, piling 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.

### 8.0 ENVIROMENTAL 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. The results of these inspections and outcomes are summarized in Table 8.2.

Table 8.2 Summary of Environmental Inspections for Contract no. HY/2009/18

| Item | Date | Observations | Action taken by <br> Contractor | Completion <br> date |
| :---: | :---: | :---: | :---: | :---: |
| $160901 \_1$ | 01 Sep 2016 | Contractor shall make <br> sure that the water <br> treatment facilities work <br> properly and ensure that <br> the waste water shall <br> properly prior to <br> discharge. | Water treatment <br> plant was provided <br> and waste water <br> was treated <br> properly prior to <br> discharge | Completion as <br> observed on 8 <br> September <br> 2016 |
| $160908 \_1$ | 08 Sep 2016 | Contractor shall ensure <br> that the drainage <br> diversion was connected <br> properly to avoid potential <br> contamination or ensure <br> that the water shall <br> treated properly prior to <br> discharge. | Drainage diversion <br> was connected <br> properly to prevent <br> potential <br> contamination | Completion as <br> observed on <br> 22 September <br> 2016 |

8.0.4. Site inspections for Contract no. HY/2009/19 were carried out during this reporting period. The results of these inspections and outcomes are summarized in Table 8.3.

Table 8.3 Summary of Environmental Inspections for Contract no. HY/2009/19

| Item | Date | Observations | Action taken by <br> Contractor | Completion <br> date |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Effluent generated from <br> temporary washing sink <br> shall properly collected <br> and treated by water |  |  |
| 160914_1 | 14 Sep 2016 | Temporary washing <br> treatment plant prior to <br> discharge to avoid <br> was removed <br> potential contaminated <br> runoff from the sink into <br> nearby water (Portion 3) | Completion as <br> observed on <br> 21 September <br> 2016 |  |

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 <br> Contractor | Completion <br> date |
| :---: | :---: | :---: | :---: | :---: |
| 160929_01 | 29 Sep 2016 | Container containing <br> chemical fluid in Portion <br> $3 \& 4$ shall be properly <br> handled and stored in a <br> designated storage area. | The concerned <br> chemical container <br> has been removed <br> in Portion 3\&4. | Completion as <br> observed on 6 <br> October 2016 |

8.0.7. Site inspection for Contract no. HK/2012/08 were carried out during this reporting period. No observation was found in the reporting month.
8.0.8. Site inspections for Contract no. HY/2010/08 were carried out during this reporting period. No observation was found in the reporting month.
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.
8.0.10. A retained tree (T006) under Environmental Permit EP-364/2009/D at Siu Ho Wan was found collapsed during site audit inspection on 11 August 2016. A tree damaged report prepared by the Certified Arborist under the Contractor of HY/2009/19 was submitted to the CWB RSS. The tree damaged report and a formal request for tree feeling was then submitted to the District Land Office (DLO) on 22 September 2016.
8.0.11. Given the concerned tree was identified as hazardous tree in which public safety would be at risk, DLO requested a full photographic record on the concerned tree before and after the tree removal. The concerned tree (T006) was felled on 08 October 2016 and the photographic record would be submitted to DLO accordingly.

### 9.0 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

9.0.1. One environmental complaint was received in the reporting month.
9.0.2. 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.

ET confirmed with the Resident Site Staff that underwater welding of lagging plate at Zone C was conducted from 0800 hrs to 2100 hrs on 04 September 2016. Total 1 no. of generator and 1 no. of welding machine were in operation. 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.

Based on the site records confirmed by RSS, underwater welding of lagging plate at Zone C was conducted from 0800hrs to 2100 hrs 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 0100 hrs 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 0100 hrs 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 2359 hrs 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.

Nevertheless, in view of the public concern, the Contractor of $\mathrm{HY} / 2010 / 08$ 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. The details of cumulative complaint log and updated summary of complaints are presented in Appendix 9.1
9.0.4. 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 |
| :---: | :---: |
| September 2016 | 1 |
| September 2010 - August 2016 | 67 |
| Total | 68 |

Table 9.2 Cumulative Statistics on Successful Prosecutions

| Environmental <br> Parameters | Cumulative No. <br> Brought Forward | No. of Successful <br> Prosecutions this month <br> (Offence Date) | Cumulative No. <br> Project-to-Date |
| :---: | :---: | :---: | :---: |
| Air | - | 0 | 0 |
| Noise | - | 0 | 0 |
| Water | - | 0 | 0 |
| Waste | - | 0 | 0 |
| Total | - | $\mathbf{0}$ | $\mathbf{0}$ |

## 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 | - Remedial works inside tunnel structure at Mined Tunnel, TS4, TPCWAE and TPCWAW | - Dust control during dust generating activities and covering for stockpile stored on site. <br> - Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the nearby water. <br> - Maintain regular cleaning of floating refuses within construction area. |
| HY/2009/18 | - Drainage works <br> - Road works <br> - Landscaping works <br> - Modification and Construction of Sign Gantries / Traffic Signs <br> - Maintenance works | - Dust control during dust generating activities <br> - Provide protection works to ensure no runoff out of site area or direct discharge into public drainage system. |
| HY/2009/19 | - Approach ramp sheet piling, pre-bored piling and top soil removal works <br> - Bridge construction <br> - Hing Fat Street modification works <br> - Pier 22 to 28 Tie Beam construction continues <br> - Oil Street drainage works <br> - Excavation / Construction of retaining wall | - Noise level shall be controlled by reducing the breaking operation rate. <br> - Noise barrier shall be implemented <br> - Dust control during dust generating works <br> - Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea. |


| HK/2009/01 | - Reinstatement of outfall <br> - Road and Drain works | - Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system or the sea. <br> - Dust control during dust generating works <br> - Noise mitigation measures during breaking works |
| :---: | :---: | :---: |
| HK/2009/02 | - Concreting of protective screeding on tunnel top slab <br> - Waterproofing layer at tunnel top slab <br> - Tunnel backfilling \& filling of seawall bedding <br> - Remedial work of tunnel wall, base slab, OHVD slab and top slab <br> - General cleaning of OHVD \& tunnel base slap, carrier drain and cross road duct <br> - Bulkhead wall removal works <br> - Excavation work <br> - Strut installation <br> - Demolition of ex-WSD Salt Water Pumping Station <br> - Removal of EVA bridge between Portion 1 and 2 | - Dust control during dust generating works <br> - Proper maintenance boundary surface runoff protection and water treatment facilities to avoid potential runoff related impact. <br> - Provision of protection measures to ensure no runoff out of site area or direct discharge into public drainage system. |
| HK/2012/08 | - Grouting <br> - Construction of MVB and CWB Tunnel <br> - Construction of concrete plug <br> - Excavation and lateral support installation for CWB tunnel | - Dust control during dust generating works <br> - Provide protection works and adequate drainage system to ensure no direct discharge into public drainage system. |


| HY/2010/08 | - Tree protection works next to existing BGO, <br> - Drainage improvement works, <br> - Excavation and Lateral Support for U-structure, <br> - Grouting works, <br> - Utility diversion works, <br> - Retaining wall works <br> - ELS works, <br> - Construction works for subway extension | - Dust control during dust generating works and stockpile stored on site. <br> - Appropriate measures should be taken to ensure adequate protections are provided for trees being transplanted and retained on site. <br> - Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system. |
| :---: | :---: | :---: |
| HY/2011/08 | - Construction of Ventilation Buildings, inclusive of Administration Building, East Ventilation Shaft/Building, West Ventilation Building <br> - Construction of Tunnel Thermal Barrier <br> - Installation of Electricals and Mechanicals <br> - Installation of Tunnel Features | - Dust control during dust generating works |

10.0.3. The construction works of Contract no. $04 / \mathrm{HY} / 2006$ - 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



Figure 2.2

Project Organization Chart


Figure 4.1

## Locations of Monitoring Stations



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

|  <br> CWB EIA <br> Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
| Construction Phase |  |  |  |  |  |  |  |  |
| S3.6.5 | Four times a day watering of the work site with active operations. | Work site / during construction | Contractor |  | $\checkmark$ |  |  | 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. <br> - Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition; <br> - Watering during excavation and material handling; <br> - Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and <br> - Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. | Work site / during construction | Contractor |  | $\checkmark$ |  |  |  |
| Operational Phase |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { S3.6.53 - } \\ & \text { S3.6.54 } \end{aligned}$ | 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 |  |  | $\checkmark$ |  |  |
| 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 |  |  | $\checkmark$ |  | EIAO-TM |

[^1]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 | 0 | Dec |  |
| Construction Phase |  |  |  |  |  |  |  |  |
| S4.9.3 | Good Site Practice: <br> - Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program. <br> - Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program. <br> - Mobile plant, if any, shall be sited as far away from NSRs as possible. <br> - 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. <br> - 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. <br> - Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from onsite construction activities. | Work Sites / During Construction | Contractor |  | $\checkmark$ |  |  | EIAO-TM, NCO |
| $\begin{gathered} \hline \text { S4.8.1 - } \\ \text { S4.8.11 } \end{gathered}$ | Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks: <br> - Slip road 8 tunnel <br> - Construction of diaphragm wall and substructures of the tunnel approach ramp <br> - Excavation <br> - Construction of slabs <br> - Backfill | Work Sites / During Construction | Contractor |  | $\checkmark$ |  |  | EIAO-TM, NCO |

Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)

|  <br> CWB EIA Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
|  | - Demolition and construction of substructures for the IEC <br> - Demolition works of existing piers and crossheads of the marine section of the existing IEC <br> Use of PME grouping for the following tasks: <br> - At-grade road construction <br> - Substructure for IECL connection |  |  |  |  |  |  |  |
| Operation Phase |  |  |  |  |  |  |  |  |
| $\begin{gathered} \hline \text { S4.8.12 - } \\ \text { S4.8.23 } \end{gathered}$ | For Existing NSRs <br> - about 235 m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC <br> - about 230 m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC <br> - about 135 m length of 5.5 m high cantilevered noise barrier with 4.5 m cantilever inclined at $45^{\circ}$ with transparent panel on the eastbound slip road to the IEC (amended under EP364/2009/A) <br> - about 95 m length of 5.5 m high cantilevered noise barrier with 1 m cantilever inclined at $45^{\circ}$ with transparent panel on the eastbound slip road to the IEC <br> - about 350 m length of 3.5 m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC <br> - 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 $70 \mathrm{~km} /$ hour | Near North Point / Before commencement of operation of road project | HyD | $\checkmark$ | $\checkmark$ | $\checkmark$ |  | EIAO-TM |

Contract No. HK/2015/01
Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)

| WDII \& CWB EIA Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
|  | For Future/Planned NSRs <br> - about 265 m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC <br> - 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. | In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of Planned NSRs in CDA and CDA(1) sites. <br> Near Causeway Bay Fire Station / During detailed design of the reprovisioned Tin Hau Temple | HyD Project Proponent for the re-provisioned Tin Hau Temple | $\sqrt{ }$ <br> $\sqrt{ }$ | $\overline{\#}$ |  |  |  |

* 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

|  <br> CWB EIA <br> Report <br> Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | ImplementationStages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
| Construction Phase |  |  |  |  |  |  |  |  |
| S6.5.14 | Floating Refuse <br> 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 |  | $\checkmark$ |  |  |  |
| S6.6.1 | Good Site Practices <br> Recommendations for good site practices during the construction activities include: <br> - 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; <br> - training of site personnel in proper waste management and chemical waste handling procedures; <br> - provision of sufficient waste disposal points and regular collection for disposal; <br> - appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; <br> - regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and <br> - a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites). | Work site / During the construction period | Contractor |  | $\checkmark$ |  |  | Waste Disposal Ordinance (Cap.354) |

Contract No. HK/2015/01
Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)
Monthly EM\&A Report

| WDII \& CWB EIA Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
| S6.6.2 | Waste Reduction Measures <br> 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: <br> - 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; <br> - 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; <br> - any unused chemicals or those with remaining functional capacity shall be recycled; <br> - use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C\&D material. <br> - 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; <br> - proper storage and site practices to minimise the potential for damage or contamination of construction materials; and <br> - 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 | $\checkmark$ | $\checkmark$ |  |  |  |


|  <br> CWB EIA <br> Report <br> Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | Dec |  |
| S6.6.4 | General Refuse <br> 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. <br> 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. | Work site / During the construction period | Contractor |  | $\checkmark$ |  |  | Public Health and Municipal Services Ordinance (Cap. 132) |
| S6.6.5 | Chemical Wastes <br> 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. | Work site / During the construction period | Contractor |  | $\checkmark$ |  |  | Waste Disposal (Chemical Waste) (General) Regulation <br> Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes |
| S6.6.6 | Construction and Demolition Material <br> 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. | Work site / During the construction period | Contractor |  | $\checkmark$ |  |  | ETWB TCW No. 33/2002, 31/2004, 19/2005 |

## Contract No. HK/2015/01

Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)
Monthly EM\&A Report

| WDII \& CWB EIA Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | 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 |  | $\checkmark$ |  |  | ETWB TCW No. 31/2004 |
| S6.6.8 | Bentonite Slurry <br> 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: <br> - 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. <br> - 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. <br> - 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 |  | $\checkmark$ |  |  | ProPECC PN 1/94 |

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


## Contract No. HK/2015/01

Wanchai Development Phase III and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)
Table A. 5 Implementation Schedule for Land Contamination

| WDII \& CWB EIA Report Ref | Environmental Protection Measures / Mitigation Measures | Location / Timing | Implementation Agent | ImplementationStages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Des | C | 0 | 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

Contract No. HK/2015/01
Wanchai Development Phase II and Central Wanchai Bypass
Sampling, Field Measurement and Testing Work (Stage 3)
Table A. 7 Implementation Schedule for Landscape and Visual

| WDII \& CWB EIA | Environmental Protection Measures / Mitigation Measures |  | Location / Timing | Implementation Agent | Implementation Stages* |  |  |  | Relevant Legislation and Guidelines |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Report Ref |  |  | Des |  | C | 0 | 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 | $\checkmark$ | $\checkmark$ |  |  | 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 | $\checkmark$ | $\checkmark$ |  |  | EIAO TM |
| Table 10.5 | CM3 | Trees unavoidably affected by the works shall be transplanted where practical. | Work site / During Construction Phase | Contractor | $\checkmark$ | $\checkmark$ |  |  | EIAO TM |
| Table 10.5 | CM4 | Compensatory tree planting shall be provided to compensate for felled trees. | Work site / During Construction Phase | Contractor | $\checkmark$ | $\checkmark$ |  |  | EIAO TM |
| Table 10.5 | CM5 | Control of night-time lighting. | Work site / During Construction Phase | Contractor |  | $\checkmark$ |  |  | EIAO TM |
| Table 10.5 | CM6 | Erection of decorative screen hoarding compatible with the surrounding setting. | Work site / During Construction Phase | Contractor |  | $\checkmark$ |  |  | EIAO TM |
| Operation Phase |  |  |  |  |  |  |  |  |  |
| Table 10.6, <br> 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 | $\checkmark$ | $\checkmark$ | $\checkmark$ |  | ETWB TCW 2/2004 |
| Table 10.6, <br> Figure 10.5.1- <br> 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 | $\checkmark$ | $\checkmark$ | $\checkmark$ |  | ETWB TCW 2/2004 |
| Table 10.6, <br> Figure 10.5.110.5.5 | OM5 | Aesthetic streetscape design. | Work site / During Design Stage and Operation Phases | HyD | $\checkmark$ | $\checkmark$ | $\checkmark$ |  | ETWB TCW 2/2004 |
| Table 10.6, <br> Figure 10.5.110.5.5 | OM6 | Aesthetic design of roadside amenity areas. | Work site / During Design Stage and Operation Phases | HyD | $\checkmark$ | $\checkmark$ | $\checkmark$ |  | 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 <br> weekdays | When one documented <br> complaint is received. | $75 \mathrm{~dB}(A) / 70 \mathrm{~dB}(A) /$ |
| $65 \mathrm{~dB}(A)^{\text {Note } 1}$ |  |  |

Note 1:

- $\quad 70 \mathrm{~dB}(A)$ and $65 \mathrm{~dB}(A)$ 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 $\mu \mathrm{g} / \mathrm{m}^{3}$ | 24-hour TSP Level in $\mu \mathrm{g} / \mathrm{m}^{3}$ |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | 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

## CERTIFICATE OF CALIBRATION



Item submitted by
Customer Name：
Address of Customer：
Lam Geotechnics Limited
Request No．：
Date of receipt：
03－Dec－2015

## Date of test：

## 04－Dec－2015

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： | $22 \pm 1^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Relative humidity： | $50 \pm 10 \%$ |
| Air pressure： | $1010 \pm 10 \mathrm{hPa}$ |

## 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 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：


Date：05－Dec－2015 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．：$\quad$ 15CA1203 04－01 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．


The complete sound level meter was calibrated on the reference range using a B\＆K 4226 acoustic calibrator with 1000 Hz 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 <br> Uncertanity（dB） |
| :--- | :--- | :--- | :--- |
| Coverage <br> 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．

Calibrated by：



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．

E－mail：smec＠cigismec．com Website：www．cigismec．com

## CERTIFICATE OF CALIBRATION

| Certificate No．： | 16CA041302 | Page | 1 |
| :--- | :--- | :--- | :--- |
| Item tested |  |  |  |
| Description： | Sound Level Meter（Type 1） | Microphone | Preamp |
| Manufacturer： | B \＆K | B \＆K | B \＆K |
| Type／Model No．： | $2250-\mathrm{L}$ | 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： <br> 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 |  |  |  |  |

## Ambient conditions

Temperature：
Relative humidity：
Air pressure：
$21 \pm 1^{\circ} \mathrm{C}$
$60 \pm 10 \%$
$1005 \pm 5 \mathrm{hPa}$

## 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 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：


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．：
16CA041302
Page 2 of
2

## 1．Electrical Tests

The electrical tests were perfomed 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 Uncertanity（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 | 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 $100 \mu$ s 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 4 kHz | Pass | 0.3 |  |
|  | 1 ms burst duty factor $1 / 10^{4}$ at 4 kHz | 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 1000 Hz 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 <br> Uncertanity（dB） |
| :--- | :--- | :--- | :--- |
| 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．


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．

E－mail：smec＠cigismec．com

## CERTIFICATE OF CALIBRATION

| Certificate No．： | 16CA0519 02 |  | Page | 1 | of |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Item tested |  |  |  |  |  |
| Description： <br> Manufacturer： <br> Type／Model No： <br> Serial／Equipment No．： <br> Adaptors used： | Sound Le B \＆K $2250-\mathrm{L}$ 2722311 | type 1） | Microphone <br> B \＆K <br> 4950 <br> 2698703 |  | Preamp B \＆K ZC0032 13321 |
| Item submitted by |  |  |  |  |  |
| Customer Name： <br> Address of Customer： <br> Request No．： <br> Date of receipt： | Lam Geo 19－May－2 | ited |  |  |  |
| Date of test： | 21－May－2016 |  |  |  |  |
| Reference equipment used in the calibration |  |  |  |  |  |
| Description： <br> Multi function sound calibrator <br> Signal generator <br> Signal generator | Model： <br> B\＆K 4226 <br> DS 360 <br> DS 360 | $\begin{aligned} & \text { Serial No. } \\ & 2288444 \\ & 33873 \\ & 61227 \end{aligned}$ | Expiry Date： <br> 19－Jun－2016 <br> 18－Apr－2017 <br> 18－Apr－2017 |  | Traceable to： CIGISMEC CEPREI CEPREI |
| Ambient conditions |  |  |  |  |  |
| Temperature： Relative humidity： Air pressure： | $\begin{aligned} & 21 \pm 1{ }^{\circ} \mathrm{C} \\ & 55 \pm 10 \% \\ & 1005 \pm 5 \end{aligned}$ |  |  |  |  |
| 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 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：


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．： 16 CA0519 $02 \quad$ Page 2 of 2

## 1．Electrical Tests

The electrical tests were perfomed 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．

|  |  |  | Expanded <br> Uncertanity（dB） |
| :--- | :--- | :--- | :--- |
| Test： | Subtest： | Coverage |  |
| Felf－generated noise |  |  |  |

2．Acoustic tests

The complete sound level meter was calibrated on the reference range using a B\＆K 4226 acoustic calibrator with 1000 Hz 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 <br> Uncertanity（dB） |
| :--- | :--- | :--- | :--- |
| Acoustic response | Peighting 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．

Calibrated by：
Date：


Checked by：
Date：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

| Microphone | Preamp |
| :--- | :--- |
| B \＆K | B \＆K |
| 4950 | ZC0032 |
| 2755097 | 19556 |
| - | - |

## Item tested

Description：
Manufacturer：
Type／Model No．：
Serial／Equipment No．：
Adaptors used：
Item submitted by

Customer Name：
Sound Level Meter（Type 1）
B \＆K
$2250-$ L
2701778

Address of Customer：
Request No．：
Date of receipt：
Lam Geotechnics Ltd．

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： | $21 \pm 1{ }^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Relative humidity： | $50 \pm 10 \%$ |
| Air pressure： | $1010 \pm 5 \mathrm{hPa}$ |

## 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 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：


Date：09－Mar－2016


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．

E－mail：smec＠cigismec．com Website：www．cigismec．com

## CERTIFICATE OF CALIBRATION

（Continuation Page）

Certificate No．：
16CA0307 02
Page 2 of 2

1．Electrical Tests
The electrical tests were perfomed 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 <br> Uncertanity（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 aţ 4 kHz | Pass | 0.3 |  |
| Frequency weightings | 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 $100 \mu$ s 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 4 kHz | Pass | 0.3 |  |
|  | 1 ms burst duty factor $1 / 10^{4}$ at 4 kHz | 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 1000 Hz 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 | Expanded <br> Uncertanity $(\mathrm{dB})$ | Coverage <br> 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 $95 \%$ ．A coverage factor of 2 is assumed unless explicitly stated．


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．

Q Soils \＆Materials Engineering Co Ltd

## CERTIFICATE OF CALIBRATION

Certificate No．：$\quad$ 16CA0127 02 Page 1 of 2

## Item tested

| Description： | Sound Level Meter（Type 1 |
| :--- | :--- |
| Manufacturer： | B \＆K |
| Type／Model No：： | $2250-$ L |
| Serial／Equipment No：： | 3002695 |
| Adaptors used： | - |
| Item submitted by |  |
| Customer Name： | Lam Geoechnics Ltd． |
| Address of Customer： <br> Request No．： <br> Date of receipt： | - |
|  | 27－Jan－2016 |
| Date of test： | 28－Jan－2016 |

Reference equipment used in the calibration


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 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．


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．

[^2]G／F．，9／F．12／F．，13／F．\＆20／F．，Leader Centre， 37 Wong Chuk Hang Road，Aberdeen，Hong Kong．
E－mail：smec＠cigismec．com Website：www．cigismec．com

# CERTIFICATE OF CALIBRATION 

（Continuation Page）

Certificate No．：16CA012702 Page 2 of 2

## 1，Electrical Tests

The electrical tests were perfomed 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 Uncertanity（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 | 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 $100 \mu$ s 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 4 kHz | Pass | 0.3 |  |
|  | 1 ms burst duty factor $1 / 10^{4}$ at 4 kHz | 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 1000 Hz 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 <br> Uncertanity（dB） |
| :--- | :--- | :--- | :--- |
| 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．


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．

E－mail：smec＠cigismec．com Website：www．cigismec．com

## CERTIFICATE OF CALIBRATION

| Certificate No．： | 16CA0513 01－02 |  | Page： | $\dagger$ | of 2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Item tested |  |  |  |  |  |
| Description： <br> Manufacturer： <br> Type／Model No．： <br> Serial／Equipment No．： <br> Adaptors used： | Acoustical Calibrater Rion Co．，Ltd． NC－73 10465798 － | （Class 1） |  |  |  |
| Item submitted by |  |  |  |  |  |
| Curstomer： <br> Address of Customer： <br> Request No．： <br> Date of receipt： | Lam Geotechnics 13-May-2016 |  |  |  |  |
| Date of test： | 17－May－2016 |  |  |  |  |
| Reference equipment used in the calibration |  |  |  |  |  |
| Description： <br> Lab standard microphone <br> Preamplifier <br> Measuring amplifier <br> Signal generator <br> Digital multi－meter <br> Audio analyzer <br> Universal counter | Model： <br> B\＆K 4180 <br> B\＆K 2673 <br> B\＆K 2610 <br> DS 360 <br> 34401A <br> 8903B <br> 53132A | Serial No． <br> 2412857 <br> 2239857 <br> 2346941 <br> 61227 <br> US36087050 <br> GB41300350 <br> MY40003662 | Expiry Date： <br> 14－Apr－2017 <br> 28－Apr－2017 <br> 26－Apr－2017 <br> 18－Apr－2017 <br> 18－Apr－2017 <br> 19－Apr－2017 <br> 19－Apr－2017 |  | Traceable to： SCL <br> CEPREI <br> CEPREI <br> CEPREI <br> CEPREI <br> CEPREI <br> CEPREI |
| Ambient conditions |  |  |  |  |  |
| Temperature： Relative humidity： Air pressure： | $22 \pm 1{ }^{\circ} \mathrm{C}$ $55 \pm 10 \%$ $1010 \pm 5 \mathrm{hPa}$ |  |  |  |  |

## Test specifications

1．The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 609421997 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：


Date：18－May－2016 Company Chop：

Comments：The results reported in thiscertificate refer to the conditon of the instrument on the date of calibration and carry no implication regarding the long－term stability of the instrument

[^3]綜 合 試 驗 有 限 公 司
SOILS \＆MATERIALS ENGINEERING CO．，LTD．

# CERTIFICATE OF CALIBRATION 

（Continuation Page）
Certificate No．：
16CA0513 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 <br> Hz | Output Sound Pressure <br> Level Setting <br> dB | Measured Output <br> Sound Pressure Level <br> dB | （Output level in dB re $20 \mu \mathrm{~Pa}$ ） |
| 1000 | 94.00 | 93.96 | Estimated Expanded <br> Uncertainty <br> dB |

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

$$
\begin{array}{r}
\mathrm{STF}= \\
0.001 \mathrm{~dB} \\
\\
0.005 \mathrm{~dB}
\end{array}
$$

Estimated expanded uncertainty

## 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 $=967.3 \mathrm{~Hz}$
Estimated expanded uncertainty

$$
0.1 \mathrm{~Hz}
$$

Coverage factor $\mathrm{k}=2.2$

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
Estimated expanded uncertainty

$$
\begin{array}{r}
\text { TND }=0.8 \% \\
0.7 \%
\end{array}
$$

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

Calibrated by
Date：



Checked by：
Date：


18－May－2016

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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

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



| $\begin{aligned} & \text { PLATE } \\ & \text { OR } \\ & \text { Run } \end{aligned}$ | $\begin{aligned} & \text { VOLUME } \\ & \text { START } \\ & (\mathrm{m} 3) \end{aligned}$ | $\begin{aligned} & \text { VOLUME } \\ & \text { STOP } \\ & (\mathrm{m} 3) \end{aligned}$ | $\begin{gathered} \text { DIFF } \\ \text { VOLUME } \\ \text { (m3) } \end{gathered}$ | DIFF TIME (min) | $\begin{gathered} \text { METER } \\ \text { DIFF } \\ \text { Hg } \\ (\mathrm{mm}) \end{gathered}$ | $\begin{aligned} & \text { ORFICE } \\ & \text { DIFF } \\ & \text { H2O } \\ & \text { (in.) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 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


## CALCULATIONS

Vstd $=$ Diff. Vol[(Pa-Diff. Hg)/760] (298/Ta)
Qstd = Vstd/Time
$\mathrm{Va}=$ Diff Vol [(Pa-Diff Hg)/Pa]
Qa $=\mathrm{Va} /$ Time

For subsequent flow rate calculations:
Qstd $=1 / \mathrm{m}\{[\operatorname{SQRT}(\mathrm{H} 2 \mathrm{O}(\mathrm{Pa} / 760)(298 / \mathrm{Ta}))]-\mathrm{b}\}$
$\mathrm{Qa}=1 / \mathrm{m}\{[\mathrm{SQRT} \mathrm{H} 2 \mathrm{O}(\mathrm{Ta} / \mathrm{Pa})]-\mathrm{b}\}$

| Location | $:$ | CMA1b |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS001 |


| Calbration Date | $:$ | 13-Jul-16 |
| :--- | :--- | :--- |
| Calbration Due Date | $:$ | 13-Sep-16 |

CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1005 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ | $=$ | $m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(m^{3} / \min .\right) \\ X \text {-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 5.6 | 5.6 | 11.2 | 1.5957 | 54 | 53.4211 |
| 2 | 4.4 | 4.4 | 8.8 | 1.4172 | 48 | 47.4854 |
| 3 | 3.6 | 3.6 | 7.2 | 1.2842 | 42 | 41.5497 |
| 4 | 2.5 | 2.5 | 5.0 | 1.0743 | 34 | 33.6355 |
| 5 | 1.6 | 1.6 | 3.2 | 0.8643 | 28 | 27.6998 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
| Slope, m |  | $=$ | 36.0048 |  | Intercept, b = | -4.1452 |
| Correlation Coefficient ${ }^{\star}$ |  | $=$ | 0.9976 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/Ae** |  |  |  |

* 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 | $:$ | Kit Au | Checked by |  |
| :--- | :--- | :--- | :--- | :--- |
|  | $:$ | $13-\mathrm{Jul-16}$ | Date | $:$ |

Muhuluduhbulur
TESTINE

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

| Location | $:$ | CMA1b |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS001 |

Calbration Date<br>Calbration Due Date

$: \frac{12-\text { Sep-16 }}{13-\text { Nov-16 }}$

CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1010 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ | $=\quad m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \min .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | IC $\left(W\left(P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2 / 35.31}\right)$ <br> Y-axis |
| 1 | 1.2 | 1.2 | 2.4 | 0.7536 | 12 | 11.9008 |
| 2 | 2.2 | 2.2 | 4.4 | 1.0117 | 20 | 19.8347 |
| 3 | 3.5 | 3.5 | 7.0 | 1.2697 | 26 | 25.7852 |
| 4 | 4.5 | 4.5 | 9.0 | 1.4364 | 30 | 29.7521 |
| 5 | 5.5 | 5.5 | 11.0 | 1.5855 | 34 | 33.7190 |

By Linear Regression of $Y$ on $X$

| Slope, m | $=$ |
| ---: | :--- |
| Correlation Coefficient | $=\frac{25.7206}{0.9984}$ |
| Calibration Accepted | $=\frac{\text { Yes/Å** }}{}$ |

Intercept, b = $\qquad$

* 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
Date $\qquad$

Checked by
Date
$\qquad$
12-Sep-16

TESTINE

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

| Location | $:$ | CMA2a |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS002 |


| Calbration Date | $:$ | 13-Jul-16 |
| :--- | :--- | :--- |
| Calbration Due Date | $:$ | 13 -Sep-16 |

CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1005 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ | $=$ | $m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 6.8 | 6.8 | 13.6 | 1.7559 | 58 | 57.3782 |
| 2 | 5.5 | 5.5 | 11.0 | 1.5816 | 52 | 51.4425 |
| 3 | 4.2 | 4.2 | 8.4 | 1.3852 | 46 | 45.5068 |
| 4 | 2.9 | 2.9 | 5.8 | 1.1552 | 38 | 37.5926 |
| 5 | 1.6 | 1.6 | 3.2 | 0.8643 | 30 | 29.6784 |

By Linear Regression of Y on X

| Slope, m | $=$ |
| ---: | :--- |
| Correlation Coefficient ${ }^{\star}$ | $=31.2362$ |
| Calibration Accepted | $=$ |
|  |  |

Intercept, b =
2.1999

* 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 | $:$ | Kit Au | Checked by |
| :--- | :--- | :--- | :--- |
|  | $:$ | $13-\mathrm{Jul}-16$ | Date |

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

| Location | $:$ | CMA2a |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS002 |


| Calbration Date | $:$ | 12-Sep-16 |
| :--- | :--- | :--- |
| Calbration Due Date | $:$ | 13-Nov-16 |

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1010 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ | $=$ | $m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} \mathbf{Q}_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{s}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 1.4 | 1.4 | 2.8 | 0.8120 | 28 | 27.7686 |
| 2 | 2.3 | 2.3 | 4.6 | 1.0339 | 34 | 33.7190 |
| 3 | 4.3 | 4.3 | 8.6 | 1.4047 | 44 | 43.6364 |
| 4 | 4.9 | 4.9 | 9.8 | 1.4979 | 48 | 47.6034 |
| 5 | 6.0 | 6.0 | 12.0 | 1.6549 | 56 | 55.5372 |
| By Linear Regression of Y on X |  |  |  |  |  |  |
| Slope, m |  | $=$ | 31.4606 |  | Intercept, b = | 1.3620 |
| Correlation Coefficient* |  | $=$ | 0.9900 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/AN** |  |  |  |

* 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 |
| :--- | :--- | :--- | :--- |
| Date | $:$ | 12-Sep-16 | Date |

hadindublindulus
TESTINE

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

| Location | : | СМАЗа | Calbration Date | : | 13-Jul-16 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment no. | : | HVS012 | Calbration Due Date | : | 13-Sep-16 |

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :--- | ---: | :--- | :--- | :---: |
| Temperature, $T_{a}$ | 302 | Kelvin | Pressure, $P_{a}$ | 1005 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $\mathrm{m}_{\mathrm{c}}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | 20-May-16 | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | 20-May-17 | $=m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \min .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | IC $\left(W\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right)$ <br> Y -axis |
| 1 | 5.4 | 5.4 | 10.8 | 1.5674 | 52 | 51.4425 |
| 2 | 4.4 | 4.4 | 8.8 | 1.4172 | 48 | 47.4854 |
| 3 | 3.4 | 3.4 | 6.8 | 1.2488 | 42 | 41.5497 |
| 4 | 2.4 | 2.4 | 4.8 | 1.0531 | 38 | 37.5926 |
| 5 | 1.4 | 1.4 | 2.8 | 0.8101 | 30 | 29.6784 |
| By Linear Regression of Y on X |  |  |  |  |  |  |
| Slope, m |  | $=$ | 28.4435 |  | Intercept, b = | 6.8685 |
| Correlation Coefficient |  | $=$ | 0.9975 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/Ne** |  |  |  |

* 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 | $:$ | Kit Au | Checked by |
| :--- | :--- | :--- | :--- |$\quad$| Pauline Wong |  |
| :--- | :--- |
|  | $:$ |
| Date | $13-\mathrm{Jul-16}$ |

ludududumblus
TESTINE
Calibration Data for High Volume Sampler (TSP Sampler)

| Location | $:$ | CMA3a | Calbration Date |
| :--- | :--- | :--- | :--- |
| Equipment no. | $:$ | HVS012 | Calbration Due Date $:$$12-S e p-16$ |

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1010 |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)$ | $1 / 2$ |  |
| Next Calibration Date | $20-M a y-17$ |  | $=m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | $\begin{array}{r} \mathrm{Ma} \\ \mathrm{H} \\ \text { (up) } \end{array}$ | meter Re <br> ches of <br> (down) | ading <br> water) <br> (difference) | $\begin{gathered} \mathbf{Q}_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow <br> Recorder, W <br> (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 1.2 | 1.2 | 2.4 | 0.7536 | 24 | 23.8017 |
| 2 | 1.8 | 1.8 | 3.6 | 0.9175 | 32 | 31.7356 |
| 3 | 3.2 | 3.2 | 6.4 | 1.2152 | 40 | 39.6695 |
| 4 | 4.2 | 4.2 | 8.4 | 1.3886 | 45 | 44.6281 |
| 5 | 5.4 | 5.4 | 10.8 | 1.5712 | 50 | 49.5868 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
|  | lope, m | $=$ | 30.5 |  | Intercept, b = | 2112 |
| Correlat | fficient* | $=$ | 0.99 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/A |  |  |  |

* 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
Date

Checked by Date
$: \frac{\text { Pauline Wong }}{12-\text { Sep-16 }}$
ludumbuludulus TESTINE

| Location | $:$ | CMA4a |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS004 |

,

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

| Calbration Date | $:$ | 13 -Jul-16 |
| :--- | :--- | :---: |
| Calbration Due Date | $:$ | 13 -Sep-16 |

CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1005 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, me | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | 20-May-16 | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | 20-May-17 | $=\quad m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow <br> Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{J}} / 1013.3 \times 298 / \pi_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 5.5 | 5.5 | 11.0 | 1.5816 | 52 | 51.4425 |
| 2 | 4.4 | 4.4 | 8.8 | 1.4172 | 48 | 47.4854 |
| 3 | 3.4 | 3.4 | 6.8 | 1.2488 | 40 | 39.5711 |
| 4 | 2.1 | 2.1 | 4.2 | 0.9866 | 32 | 31.6569 |
| 5 | 1.5 | 1.5 | 3.0 | 0.8377 | 24 | 23.7427 |

By Linear Regression of Y on X

| Slope, m | $=$ |
| ---: | :--- |
| Correlation Coefficient | 37.0124 |
| Calibration Accepted | $=$ |
| Yes/Å** |  |

$$
\text { Intercept, b }=\quad-6.1671
$$

$\qquad$

* 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

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

| Location | $:$ | CMA4a |
| :--- | :--- | :--- |
| Equipment no. | $:$ | HVS004 |

Calbration Date<br>Calbration Due Date

| 12-Sep-16 |
| ---: |
| 13-Nov-16 |

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :--- | :---: | :---: | :--- | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1010 |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ | $=$ | $m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} \mathbf{Q}_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow <br> Recorder, W <br> (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{z}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 1.4 | 1.4 | 2.8 | 0.8120 | 22 | 21.8182 |
| 2 | 2.2 | 2.2 | 4.4 | 1.0117 | 32 | 31.7356 |
| 3 | 3.4 | 3.4 | 6.8 | 1.2518 | 44 | 43.6364 |
| 4 | 4.4 | 4.4 | 8.8 | 1.4207 | 48 | 47.6034 |
| 5 | 5.5 | 5.5 | 11.0 | 1.5855 | 56 | 55.5372 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
| Slope, m |  | $=$ | 42.7983 |  | Intercept, b = | -11.9911 |
| Correlation Coefficient* |  | $=$ | 0.9952 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/A*** |  |  |  |

* 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
Date $\qquad$
Checked by
Date

| Pauline Wong |
| :---: |
| 12-Sep-16 |

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

## Location <br> Equipment no.

Calbration Date
Calbration Due Date

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1005 |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $\mathrm{m}_{\mathrm{c}}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
|  |  |  | $=\quad m_{c} \times Q_{s t d}+b_{c}$ |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \min .\right) \\ \mathrm{X} \text {-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 5.5 | 5.5 | 11.0 | 1.5816 | 58 | 57.3782 |
| 2 | 4.3 | 4.3 | 8.6 | 1.4013 | 53 | 52.4318 |
| 3 | 3.4 | 3.4 | 6.8 | 1.2488 | 48 | 47.4854 |
| 4 | 2.2 | 2.2 | 4.4 | 1.0093 | 41 | 40.5604 |
| 5 | 1.4 | 1.4 | 2.8 | 0.8101 | 34 | 33.6355 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
| Slope, m |  | $=$ | 30.6917 |  | Intercept, b = |  |
| Correlation Coefficient* |  | $=$ | 0.9993 |  |  |  |
| Calibration Accepted |  |  | Yes/Al** |  |  |  |

* 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
Date $\qquad$

Checked by
Date
$\qquad$

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

Location
Equipment no. $\qquad$ Calbration Date
Calbration Due Date

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1010 |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $\mathrm{m}_{\mathrm{c}}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | 20-May-16 | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | 20-May-17 | $=\quad m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \min .\right) \\ \mathrm{X} \text {-axis } \end{gathered}$ | Continuous Flow Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{d}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \text { Y-axis } \end{gathered}$ |
| 1 | 1.4 | 1.4 | 2.8 | 0.8120 | 34 | 33.7190 |
| 2 | 2.2 | 2.2 | 4.4 | 1.0117 | 42 | 41.6529 |
| 3 | 3.4 | 3.4 | 6.8 | 1.2518 | 50 | 49.5868 |
| 4 | 4.4 | 4.4 | 8.8 | 1.4207 | 56 | 55.5372 |
| 5 | 5.6 | 5.6 | 11.2 | 1.5996 | 61 | 60.4959 |
| By Linear Regression of Y on X |  |  |  |  |  |  |
| Slope, m |  | $=$ | 34.0485 |  | Intercept, b = | 6.6876 |
| Correlation Coefficient |  | $=$ | 0.9985 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/Ao** |  |  |  |

* 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
Date $\qquad$ Checked by $\qquad$

TESTINE
Calibration Data for High Volume Sampler (TSP Sampler)

Location
Equipment no.
$\qquad$ Calbration Date
Calbration Due Date $\qquad$ $\frac{\text { 13-Jul-16 }}{13-\text { Sep-16 }}$

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |  |  |  | HK1610369 |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathrm{P}_{\mathrm{a}}$ | 1005 |  |  |  |  |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ |  | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |
| Next Calibration Date | $20-M a y-17$ |  | $=m_{c} \times Q_{s t d}+b_{c}$ |  |  |



* 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
Date $\qquad$ Checked by
Date $\qquad$

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

Location
Equipment no．
$\qquad$

Calbration Date
Calbration Due Date
$\qquad$

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  | HK1610369 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Temperature， $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure， $\mathrm{P}_{\mathrm{a}}$ |  | mmHg |
| Orifice Transfer Standard Information |  |  |  |  |  |
| Equipment No． | Ori002 | Slope， $\mathrm{m}_{\mathrm{c}}$ | 2.10714 | Intercept，bc | －0．05158 |
| Last Calibration Date | 20－May－16 | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | 20－May－17 |  |  | $Q_{s t d}+b_{c}$ |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H（inches of water） |  |  | $\begin{gathered} \mathbf{Q}_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \mathbf{X} \text {-axis } \end{gathered}$ | Continuous Flow <br> Recorder，W <br> （CFM） | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2 / 35.31)}\right. \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 1.8 | 1.8 | 3.6 | 0.9175 | 24 | 23.8017 |
| 2 | 2.6 | 2.6 | 5.2 | 1.0977 | 32 | 31.7356 |
| 3 | 4.2 | 4.2 | 8.4 | 1.3886 | 44 | 43.6364 |
| 4 | 5.4 | 5.4 | 10.8 | 1.5712 | 52 | 51.5703 |
| 5 | 6.6 | 6.6 | 13.2 | 1.7345 | 58 | 57.5207 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
|  | lope，m | $=$ | 41.44 |  | eept，b＝ | 3.9650 |
| Correla | fficient＊ | $=$ | 0.99 |  |  |  |
| Calibration Accepted |  | $=$ | Yes／A |  |  |  |

＊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 ELO80 to HVS008 with respect to the update in quality management system．

Calibrated by
Date
$\qquad$ Checked by
Date $\qquad$

## PILDT

"سلulululum
TESTING
Calibration Data for High Volume Sampler (TSP Sampler)
Location Equipment no. $\qquad$
Calbration Date Calbration Due Date
$\qquad$
13-Jul-16

CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin | Pressure, $\mathbf{P}_{\mathrm{a}}$ |  |


| Orifice Transfer Standard Information |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment No. | Ori002 | Slope, $m_{c}$ | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | $20-M a y-16$ | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | $20-M a y-17$ | $=m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ X \text {-axis } \end{gathered}$ | Continuous Flow <br> Recorder, W (CFM) | $\begin{gathered} \text { IC } \\ \left(\mathrm{W}\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{T}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \mathrm{Y} \text {-axis } \end{gathered}$ |
| 1 | 6.6 | 6.6 | 13.2 | 1.7302 | 63 | 62.3246 |
| 2 | 5.4 | 5.4 | 10.8 | 1.5674 | 56 | 55.3996 |
| 3 | 4.3 | 4.3 | 8.6 | 1.4013 | 44 | 43.5283 |
| 4 | 2.4 | 2.4 | 4.8 | 1.0531 | 32 | 31.6569 |
| 5 | 1.6 | 1.6 | 3.2 | 0.8643 | 20 | 19.7856 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
|  | ope, m | $=$ | 47.87 |  | pt, $\mathrm{b}=$ | 8106 |
| Correla | fficient* | $=$ | 0.99 |  |  |  |
| Calibration Accepted |  | $=$ | Yes/A |  |  |  |

* 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
Date $\qquad$ Checked by
Date
$\qquad$

Location
Equipment no.
$\qquad$

Calbration Date
Calbration Due Date

## CALIBRATION OF CONTINUOUS FLOW RECORDER

| Ambient Condition |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Temperature, $\mathrm{T}_{\mathrm{a}}$ | 302 | Kelvin Pressure, $\mathrm{P}_{\mathrm{a}}$ |  | 1010 mmHg |  |
| Orifice Transfer Standard Information |  |  |  |  |  |
| Equipment No. | Ori002 | Slope, $\mathrm{m}_{\mathrm{c}}$. | 2.10714 | Intercept, bc | -0.05158 |
| Last Calibration Date | 20-May-16 | $\left(H \times P_{a} / 1013.3 \times 298 / T_{a}\right)^{1 / 2}$ |  |  |  |
| Next Calibration Date | 20-May-17 | $=m_{c} \times Q_{s t d}+b_{c}$ |  |  |  |


| Calibration of TSP |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calibration <br> Point | Manometer Reading <br> H (inches of water) |  |  | $\begin{gathered} Q_{\text {std }} \\ \left(\mathrm{m}^{3} / \mathrm{min} .\right) \\ \text { X-axis } \end{gathered}$ | Continuous Flow <br> Recorder, W <br> (CFM) | $\begin{gathered} \text { IC } \\ \left(W\left(\mathrm{P}_{\mathrm{a}} / 1013.3 \times 298 / \mathrm{r}_{\mathrm{a}}\right)^{1 / 2} / 35.31\right) \\ \text { Y-axis } \end{gathered}$ |
| 1 | 1.4 | 1.4 | 2.8 | 0.8120 | 19 | 18.8430 |
| 2 | 2.6 | 2.6 | 5.2 | 1.0977 | 31 | 30.7438 |
| 3 | 4.2 | 4.2 | 8.4 | 1.3886 | 44 | 43.6364 |
| 4 | 5.4 | 5.4 | 10.8 | 1.5712 | 54 | 53.5538 |
| 5 | 6.7 | 6.7 | 13.4 | 1.7474 | 62 | 61.4877 |
| By Linear Regression of $Y$ on $X$ |  |  |  |  |  |  |
|  | lope, m | $=$ | 45.91 |  | pt, $\mathrm{b}=$ | 1135 |
| Correla | fficient* | $=$ | 0.99 |  |  |  |
| 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
Date
$\qquad$
Checked by
Date
$\qquad$

## Appendix 5.1

Monitoring Schedules for Reporting Month and Coming Reporting Month

Tan Chai Devel Chas
Sampling, Field Measurement and Testing Works (Stage 3)
Tentaive Environmental Monitoring Schedule


Wan Chai Development Phase II and Central-Wan Chai Bypas
Sampling, Field Measurement and Testing Works (Stage 3)
Tentative Environmental Monitoring Schedule

\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Sunday \& Monday \& Tuesday \& Wednesday \& Thursday \& Friday \& Saturday <br>
\hline \& 26-Sep

1hr TSP

Noise (daytime) \& \begin{tabular}{l}
27-Sep <br>
Noise (daytime)

 \& 28-Sep \& 24 hr TSP \& 

<br>
<br>
\& <br>
\& <br>
\& <br>
\& <br>
\&
\end{tabular} \& 1-Oct <br>

\hline \[
2-\mathrm{Oct}

\] \& | 3-Oct |
| :--- |
| Noise (daytime) | \& Noise (daytime) \&  \& 6-Oct \& 7-Oct \& \[

\overline{8-O c t}
\] <br>

\hline 9-Oct \& $$
10-O c t
$$ \& 11-Oct

24hr TSP
Noise (daytime) \&  \& 13-Oct \& 14-Oct \& 24hr TSP <br>
\hline 16-Oct \& 17-Oct

1hr TSP

Noise (daytime) \& | 18-Oct |
| :--- |
| Noise (daytime) | \& 19-Oct \& 20-Oct \& 21-Oct \& 22-Oct <br>

\hline 23-Oct \& | $24-O c t$ |
| :--- |
| Noise (daytime) | \& | 25-Oct |
| :--- |
| Noise (daytime) | \& 26-Oct \& \& \& <br>

\hline
\end{tabular}

## 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) |  |  |  |  |  |
| 30/8/2016 | 10:13 | Fine | 76.5 | 77.5 | 74.5 | 72 | 74 | 75 |
| 6/9/2016 | 10:35 | Fine | 76.8 | 79.0 | 74.0 | 72 | 75 | 75 |
| 12/9/2016 | 13:49 | Fine | 75.5 | 78.0 | 72.0 | 72 | 73 | 75 |
| 20/9/2016 | 14:00 | Fine | 74.7 | 76.0 | 72.5 | 72 | 71 | 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) |  |  |  |  |  |
| 30/8/2016 | 10:56 | Fine | 66.4 | 68.0 | 64.5 | 68 | 66 | 75 |
| 6/9/2016 | 11:18 | Fine | 67.4 | 68.5 | 65.5 | 68 | 67 | 75 |
| 12/9/2016 | 14:25 | Fine | 67.0 | 68.0 | 65.0 | 68 | 67 | 75 |
| 19/9/2016 | 09:53 | Fine | 67.2 | 68.5 | 65.0 | 68 | 67 | 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) |  |  |  |  |  |
| 30/8/2016 | 11:30 | Fine | 65.3 | 66.5 | 63.0 | 69 | 65 | 75 |
| 6/9/2016 | 13:00 | Fine | 66.0 | 67.0 | 64.5 | 69 | 66 | 75 |
| 13/9/2016 | 13:00 | Fine | 65.5 | 66.0 | 63.0 | 69 | 66 | 75 |
| 21/9/2016 | 10:25 | Fine | 66.0 | 67.5 | 63.0 | 69 | 66 | 75 |

Location: M4b - Victoria Centre

| Date | Time | Weather | Measurement Noise Level |  |  | Baseline Noise Level <br> Leq | Construction Noise LevelLeq | $\begin{gathered} \hline \text { Limit Level } \\ \hline \text { Leq } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Leq | L10 | L90 |  |  |  |
|  |  |  | Unit: dB(A), (30min) |  |  |  |  |  |
| 30/8/2016 | 13:05 | Fine | 65.5 | 66.5 | 63.5 | 67 | 66 | 75 |
| 6/9/2016 | 13:40 | Fine | 65.4 | 67.0 | 63.5 | 67 | 65 | 75 |
| 13/9/2016 | 13:35 | Fine | 64.1 | 65.5 | 63.0 | 67 | 64 | 75 |
| 21/9/2016 | 11:30 | Fine | 64.4 | 65.5 | 62.0 | 67 | 64 | 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) |  |  |  |  |  |
| 30/8/2016 | 13:50 | Fine | 69.4 | 69.5 | 68.5 | 68 | 64 | 75 |
| 6/9/2016 | 14:20 | Fine | 72.1 | 76.0 | 67.0 | 68 | 70 | 75 |
| 13/9/2016 | 14:15 | Fine | 70.1 | 71.0 | 68.5 | 68 | 66 | 75 |
| 20/9/2016 | 14:49 | Fine | 70.1 | 71.0 | 69.0 | 68 | 66 | 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) |  |  |  |  |  |
| 30/8/2016 | 14:26 | Fine | 71.5 | 72.0 | 70.0 | 71 | 64 | 70 |
| 6/9/2016 | 14:57 | Fine | 68.1 | 69.0 | 66.5 | 71 | 68 | 70 |
| 13/9/2016 | 14:55 | Fine | 71.7 | 72.5 | 69.0 | 71 | 65 | 70 |
| 20/9/2016 | 15:29 | Fine | 71.1 | 72.0 | 69.5 | 71 | 61 | 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: $\mathrm{dB}(\mathrm{A}),(30-\mathrm{min})$ |  |  |  |  |  |
| 30/8/2016 | 08:35 | Fine | 66.2 | 67.0 | 64.5 | 67 | 66 | N/A |
| 6/9/2016 | 09:00 | Fine | 66.0 | 67.5 | 64.5 | 67 | 66 | N/A |
| 13/9/2016 | 10:15 | Fine | 67.6 | 69.0 | 65.0 | 67 | 60 | N/A |
| 20/9/2016 | 10:00 | Cloudy | 66.0 | 67.0 | 64.5 | 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) |  |  |  |  |  |
| 30/8/2016 | 08:00 | Fine | 66.1 | 67.5 | 64.5 | 69 | 66 | 75 |
| 6/9/2016 | 08:25 | Fine | 66.5 | 67.0 | 64.0 | 69 | 67 | 75 |
| 13/9/2016 | 10:52 | Fine | 65.3 | 67.0 | 62.5 | 69 | 65 | 75 |
| 20/9/2016 | 10:35 | Cloudy | 63.0 | 64.5 | 62.0 | 69 | 63 | 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) |  |  |  |  |  |
| 30/8/2016 | 09:15 | Fine | 60.2 | 63.0 | 56.0 | 64 | 60 | 70 |
| 6/9/2016 | 09:45 | Fine | 60.9 | 63.0 | 57.5 | 64 | 61 | 70 |
| 12/9/2016 | 17:18 | Fine | 60.8 | 63.0 | 57.0 | 64 | 61 | 70 |
| 20/9/2016 | 11:30 | Cloudy | 62.0 | 63.5 | 60.0 | 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

## Report on 24-hour TSP monitoring

Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 176.7
Limit Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 260

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | $\begin{gathered} \text { TSP Level, } \\ \mu \mathrm{g} / \mathrm{m}^{3} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $Q_{\text {sf }}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17032 | 2.8312 | 2.9116 | 8697.97 | 8721.97 | 24.00 | 1.12 | 1.12 | 1.12 | 1610 | 49.9 |
| 7-Sep-16 | 8:00 | Rainy | 16770 | 2.8039 | 2.8563 | 8724.97 | 8748.97 | 24.00 | 1.23 | 1.23 | 1.23 | 1770 | 29.6 |
| 13-Sep-16 | 8:00 | Cloudy | 17292 | 2.6595 | 2.8578 | 8751.97 | 8775.97 | 24.00 | 1.68 | 1.67 | 1.68 | 2415 | 82.1 |
| 19-Sep-16 | 8:00 | Cloudy | 17280 | 2.7187 | 2.9738 | 8778.97 | 8802.97 | 24.00 | 1.68 | 1.69 | 1.68 | 2422 | 105.3 |
| 24-Sep-16 | 8:00 | Fine | 17223 | 2.7318 | 3.0122 | 8806.00 | 8830.00 | 24.00 | 1.68 | 1.68 | 1.68 | 2421 | 115.8 |

Report on 1-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 320.1
Limit Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 500

| Date | Sampling Time | WeatherCondition | $\begin{array}{\|c\|} \hline \text { Filter paper } \\ \text { no. } \end{array}$ | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\mathrm{sf}}$ | Average |  |  |
| 2-Sep-16 | 8:45 | Cloudy | 17034 | 2.8157 | 2.8194 | 8721.97 | 8722.97 | 1.00 | 1.28 | 1.28 | 1.28 | 77 | 48.4 |
| 2-Sep-16 | 10:00 | Cloudy | 17024 | 2.8194 | 2.8229 | 8722.97 | 8723.97 | 1.00 | 1.28 | 1.28 | 1.28 | 77 | 45.7 |
| 2-Sep-16 | 13:00 | Cloudy | 16877 | 2.6847 | 2.7090 | 8723.97 | 8724.97 | 1.00 | 1.28 | 1.28 | 1.28 | 77 | 317.6 |
| 8-Sep-16 | 9:24 | Cloudy | 16769 | 2.8154 | 2.8173 | 8748.97 | 8749.97 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 28.2 |
| 8-Sep-16 | 10:35 | Cloudy | 16883 | 2.6575 | 2.6607 | 8749.97 | 8750.97 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 47.5 |
| 8-Sep-16 | 13:00 | Cloudy | 16756 | 2.8362 | 2.8378 | 8750.97 | 8751.97 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 23.7 |
| 14-Sep-16 | 9:10 | Fine | 17299 | 2.6298 | 2.6395 | 8775.97 | 8776.97 | 1.00 | 1.67 | 1.67 | 1.67 | 100 | 96.6 |
| 14-Sep-16 | 11:00 | Fine | 17268 | 2.6473 | 2.6585 | 8776.97 | 8777.97 | 1.00 | 1.67 | 1.67 | 1.67 | 100 | 111.6 |
| 14-Sep-16 | 13:00 | Fine | 17264 | 2.6343 | 2.6488 | 8777.97 | 8778.97 | 1.00 | 1.67 | 1.67 | 1.67 | 100 | 144.4 |
| 20-Sep-16 | 9:35 | Rainy | 17243 | 2.7176 | 2.7253 | 8802.97 | 8803.97 | 1.00 | 1.69 | 1.69 | 1.69 | 101 | 76.1 |
| 20-Sep-16 | 10:50 | Rainy | 17237 | 2.6874 | 2.6970 | 8803.97 | 8804.97 | 1.00 | 1.69 | 1.69 | 1.69 | 101 | 94.9 |
| 20-Sep-16 | 13:00 | Rainy | 17230 | 2.7048 | 2.7173 | 8804.97 | 8805.97 | 1.00 | 1.69 | 1.69 | 1.69 | 101 | 123.5 |
| 26-Sep-16 | 8:50 | Fine | 17218 | 2.6983 | 2.7119 | 8830.00 | 8831.00 | 1.00 | 1.83 | 1.83 | 1.83 | 110 | 124.2 |
| 26-Sep-16 | 11:00 | Fine | 16749 | 2.8118 | 2.8297 | 8831.00 | 8832.00 | 1.00 | 1.83 | 1.83 | 1.83 | 110 | 163.4 |
| 26-Sep-16 | 13:00 | Fine | 16745 | 2.8057 | 2.8330 | 8832.00 | 8833.00 | 1.00 | 1.83 | 1.83 | 1.83 | 110 | 249.3 |

Report on 24-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 169.5
Limit Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 260

| Date | Sampling Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total <br> Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17033 | 2.8365 | 2.8771 | 18321.69 | 18345.69 | 24.00 | 1.09 | 1.08 | 1.09 | 1563 | 26.0 |
| 7-Sep-16 | 8:00 | Rainy | 16884 | 2.6744 | 2.6966 | 18348.69 | 18372.69 | 24.00 | 1.09 | 1.09 | 1.09 | 1572 | 14.1 |
| 13-Sep-16 | 8:00 | Cloudy | 17291 | 2.7125 | 2.8260 | 18375.69 | 18399.69 | 24.00 | 1.11 | 1.10 | 1.11 | 1593 | 71.2 |
| 19-Sep-16 | 8:00 | Cloudy | 17281 | 2.6722 | 2.7598 | 18402.69 | 18426.69 | 24.00 | 1.11 | 1.11 | 1.11 | 1599 | 54.8 |
| 24-Sep-16 | 8:00 | Fine | 17222 | 2.7109 | 2.8152 | 18429.69 | 18453.69 | 24.00 | 1.11 | 1.11 | 1.11 | 1598 | 65.3 |

Report on 1-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 323.4
Limit Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 500

| Date | Sampling Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:03 | Cloudy | 17035 | 2.8346 | 2.8365 | 18345.69 | 18346.69 | 1.00 | 1.08 | 1.08 | 1.08 | 65 | 29.2 |
| 2-Sep-16 | 9:10 | Cloudy | 17025 | 2.8094 | 2.8120 | 18346.69 | 18347.69 | 1.00 | 1.08 | 1.08 | 1.08 | 65 | 40.0 |
| 2-Sep-16 | 13:00 | Cloudy | 16780 | 2.8372 | 2.8460 | 18347.69 | 18348.69 | 1.00 | 1.08 | 1.08 | 1.08 | 65 | 135.2 |
| 8-Sep-16 | 9:25 | Cloudy | 17313 | 2.6156 | 2.6178 | 18372.69 | 18373.69 | 1.00 | 1.09 | 1.09 | 1.09 | 65 | 33.6 |
| 8-Sep-16 | 10:35 | Cloudy | 17309 | 2.6444 | 2.6464 | 18373.69 | 18374.69 | 1.00 | 1.09 | 1.09 | 1.09 | 65 | 30.5 |
| 8-Sep-16 | 13:00 | Cloudy | 17305 | 2.6461 | 2.6487 | 18374.69 | 18375.69 | 1.00 | 1.09 | 1.09 | 1.09 | 65 | 39.7 |
| 14-Sep-16 | 8:05 | Fine | 17302 | 2.6423 | 2.6521 | 18399.69 | 18400.69 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 133.4 |
| 14-Sep-16 | 10:30 | Fine | 17267 | 2.6913 | 2.6954 | 18400.69 | 18401.69 | 1.00 | 1.10 | 1.10 | 1.10 | 66 | 61.9 |
| 14-Sep-16 | 15:00 | Fine | 17265 | 2.7030 | 2.7104 | 18401.69 | 18402.69 | 1.00 | 1.10 | 1.10 | 1.10 | 66 | 111.8 |
| 20-Sep-16 | 8:05 | Rainy | 17245 | 2.6399 | 2.6463 | 18426.69 | 18427.69 | 1.00 | 1.24 | 1.24 | 1.24 | 74 | 86.3 |
| 20-Sep-16 | 9:07 | Rainy | 17238 | 2.7095 | 2.7139 | 18427.69 | 18428.69 | 1.00 | 1.11 | 1.11 | 1.11 | 67 | 65.8 |
| 20-Sep-16 | 10:30 | Rainy | 17231 | 2.6932 | 2.6983 | 18428.69 | 18429.69 | 1.00 | 1.11 | 1.11 | 1.11 | 67 | 76.3 |
| 26-Sep-16 | 8:03 | Fine | 17217 | 2.6954 | 2.7043 | 18453.69 | 18454.69 | 1.00 | 1.11 | 1.11 | 1.11 | 66 | 134.0 |
| 26-Sep-16 | 9:30 | Fine | 16750 | 2.8217 | 2.8327 | 18454.69 | 18455.69 | 1.00 | 1.11 | 1.11 | 1.11 | 66 | 165.7 |
| 26-Sep-16 | 13:00 | Fine | 16743 | 2.8257 | 2.8381 | 18455.69 | 18456.69 | 1.00 | 1.11 | 1.11 | 1.11 | 66 | 186.7 |

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

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | $\begin{gathered} \text { TSP Level, } \\ \mu \mathrm{g} / \mathrm{m}^{3} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\mathrm{sf}}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 16715 | 2.8294 | 2.8939 | 5796.58 | 5820.58 | 24.00 | 1.13 | 1.13 | 1.13 | 1625 | 39.7 |
| 7-Sep-16 | 8:00 | Rainy | 15520 | 2.8285 | 2.8765 | 5823.58 | 5847.58 | 24.00 | 1.10 | 1.10 | 1.10 | 1586 | 30.3 |
| 13-Sep-16 | 8:00 | Cloudy | 17294 | 2.6914 | 2.7648 | 5850.58 | 5874.58 | 24.00 | 1.18 | 1.17 | 1.18 | 1693 | 43.4 |
| 19-Sep-16 | 8:00 | Cloudy | 17262 | 2.6922 | 2.7755 | 5877.59 | 5901.59 | 24.00 | 1.18 | 1.18 | 1.18 | 1699 | 49.0 |
| 24-Sep-16 | 8:00 | Fine | 17255 | 2.7045 | 2.8191 | 5904.59 | 5928.59 | 24.00 | 1.24 | 1.24 | 1.24 | 1788 | 64.1 |

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

| Date | Sampling Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total <br> Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:30 | Cloudy | 17036 | 2.8195 | 2.8231 | 5820.58 | 5821.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 58.4 |
| 2-Sep-16 | 9:55 | Cloudy | 17026 | 2.8194 | 2.8214 | 5821.58 | 5822.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 32.5 |
| 2-Sep-16 | 10:57 | Cloudy | 16878 | 2.6509 | 2.6597 | 5822.58 | 5823.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 142.8 |
| 8-Sep-16 | 9:00 | Cloudy | 16778 | 2.8273 | 2.8294 | 5847.58 | 5848.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 33.8 |
| 8-Sep-16 | 10:20 | Cloudy | 16767 | 2.8215 | 2.8232 | 5848.58 | 5849.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 27.4 |
| 8-Sep-16 | 13:00 | Cloudy | 17316 | 2.8385 | 2.8399 | 5849.58 | 5850.58 | 1.00 | 1.03 | 1.03 | 1.03 | 62 | 22.6 |
| 14-Sep-16 | 9:03 | Fine | 17273 | 2.7147 | 2.7229 | 5874.58 | 5875.58 | 1.00 | 1.11 | 1.11 | 1.11 | 67 | 123.1 |
| 14-Sep-16 | 10:04 | Fine | 17269 | 2.6850 | 2.6932 | 5875.58 | 5876.58 | 1.00 | 1.11 | 1.11 | 1.11 | 67 | 123.1 |
| 14-Sep-16 | 13:26 | Fine | 17295 | 2.6348 | 2.6447 | 5876.58 | 5877.58 | 1.00 | 1.11 | 1.11 | 1.11 | 67 | 148.7 |
| 20-Sep-16 | 8:02 | Rainy | 17246 | 2.6471 | 2.6504 | 5901.59 | 5902.59 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 49.1 |
| 20-Sep-16 | 10:35 | Rainy | 17240 | 2.6851 | 2.6906 | 5902.59 | 5903.59 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 81.8 |
| 20-Sep-16 | 13:00 | Rainy | 17233 | 2.7025 | 2.7084 | 5903.59 | 5904.59 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 87.7 |
| 26-Sep-16 | 8:03 | Fine | 17219 | 2.7214 | 2.7296 | 5928.59 | 5929.59 | 1.00 | 1.24 | 1.24 | 1.24 | 74 | 110.4 |
| 26-Sep-16 | 10:50 | Fine | 16751 | 2.8227 | 2.8353 | 5929.59 | 5930.59 | 1.00 | 1.24 | 1.24 | 1.24 | 74 | 169.6 |
| 26-Sep-16 | 13:00 | Fine | 16753 | 2.8132 | 2.8305 | 5930.59 | 5931.59 | 1.00 | 1.24 | 1.24 | 1.24 | 74 | 232.9 |

Location: CMA4a - SPCA
Report on 24-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 171.2
Limit Level $(\mu \mathrm{g} / \mathrm{m} 3)$ - $\quad 260$

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total <br> Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17051 | 2.7976 | 2.8476 | 22580.24 | 22604.24 | 24.00 | 1.25 | 1.24 | 1.24 | 1793 | 27.9 |
| 7-Sep-16 | 8:00 | Rainy | 15521 | 2.8331 | 2.8507 | 22607.24 | 22631.24 | 24.00 | 1.15 | 1.15 | 1.15 | 1652 | 10.7 |
| 13-Sep-16 | 8:00 | Cloudy | 17293 | 2.6807 | 2.7728 | 22634.24 | 22658.24 | 24.00 | 1.13 | 1.12 | 1.13 | 1621 | 56.8 |
| 19-Sep-16 | 8:00 | Cloudy | 17263 | 2.6610 | 2.7349 | 22661.25 | 22685.25 | 24.00 | 1.13 | 1.13 | 1.13 | 1625 | 45.5 |
| 24-Sep-16 | 8:00 | Fine | 17224 | 2.7153 | 2.8088 | 22688.25 | 22712.25 | 24.00 | 1.13 | 1.13 | 1.13 | 1624 | 57.6 |

Report on 1-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - $\quad 312.5$
Limit Level $(\mu \mathrm{g} / \mathrm{m} 3)$ - 500

| Date | Sampling Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:02 | Cloudy | 17031 | 2.8274 | 2.8296 | 22604.24 | 22605.24 | 1.00 | 1.14 | 1.14 | 1.14 | 68 | 32.1 |
| 2-Sep-16 | 9:15 | Cloudy | 17027 | 2.8342 | 2.8375 | 22605.24 | 22606.24 | 1.00 | 1.14 | 1.14 | 1.14 | 68 | 48.2 |
| 2-Sep-16 | 10:30 | Cloudy | 16879 | 2.6525 | 2.6591 | 22606.24 | 22607.24 | 1.00 | 1.14 | 1.14 | 1.14 | 68 | 96.4 |
| 8-Sep-16 | 8:50 | Cloudy | 17314 | 2.5801 | 2.5821 | 22631.24 | 22632.24 | 1.00 | 1.15 | 1.15 | 1.15 | 69 | 29.1 |
| 8-Sep-16 | 10:21 | Cloudy | 17310 | 2.6206 | 2.6223 | 22632.24 | 22633.24 | 1.00 | 1.15 | 1.15 | 1.15 | 69 | 24.7 |
| 8-Sep-16 | 13:00 | Cloudy | 17306 | 2.6525 | 2.6550 | 22633.24 | 22634.24 | 1.00 | 1.15 | 1.15 | 1.15 | 69 | 36.3 |
| 14-Sep-16 | 8:05 | Fine | 17274 | 2.7391 | 2.7447 | 22658.24 | 22659.24 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 83.1 |
| 14-Sep-16 | 9:10 | Fine | 17270 | 2.6843 | 2.6905 | 22659.24 | 22660.24 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 92.0 |
| 14-Sep-16 | 13:00 | Fine | 17266 | 2.6886 | 2.6991 | 22660.24 | 22661.24 | 1.00 | 1.12 | 1.12 | 1.12 | 67 | 155.8 |
| 20-Sep-16 | 8:02 | Rainy | 17247 | 2.6507 | 2.6549 | 22685.25 | 22686.25 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 57.3 |
| 20-Sep-16 | 9:10 | Rainy | 17241 | 2.6837 | 2.6893 | 22686.25 | 22687.25 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 76.5 |
| 20-Sep-16 | 10:30 | Rainy | 17232 | 2.7254 | 2.7327 | 22687.25 | 22688.25 | 1.00 | 1.13 | 1.13 | 1.13 | 68 | 107.6 |
| 26-Sep-16 | 8:05 | Fine | 16692 | 2.9136 | 2.9169 | 22712.25 | 22713.25 | 1.00 | 1.13 | 1.13 | 1.13 | 68 | 48.9 |
| 26-Sep-16 | 9:30 | Fine | 16752 | 2.8165 | 2.8295 | 22713.25 | 22714.25 | 1.00 | 1.13 | 1.13 | 1.13 | 68 | 192.5 |
| 26-Sep-16 | 10:32 | Fine | 16744 | 2.8239 | 2.8370 | 22714.25 | 22715.25 | 1.00 | 1.13 | 1.13 | 1.13 | 68 | 194.0 |

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

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\mathrm{si}}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17038 | 2.8201 | 2.8753 | 7174.50 | 7198.50 | 24.00 | 0.94 | 0.94 | 0.94 | 1354 | 40.8 |
| 7-Sep-16 | 8:00 | Rainy | 16352 | 2.8336 | 2.8710 | 7201.50 | 7225.50 | 24.00 | 0.95 | 0.95 | 0.95 | 1363 | 27.4 |
| 13-Sep-16 | 8:00 | Cloudy | 17008 | 2.7175 | 2.8952 | 7228.50 | 7252.50 | 24.00 | 0.98 | 0.97 | 0.98 | 1408 | 126.2 |
| 20-Sep-16 | 14:00 | Rainy | 17227 | 2.6834 | 2.8590 | 7271.77 | 7295.77 | 24.00 | 0.99 | 0.99 | 0.99 | 1419 | 123.7 |
| 24-Sep-16 | 8:00 | Fine | 16698 | 2.9328 | 3.0314 | 7295.77 | 7319.77 | 24.00 | 0.87 | 0.87 | 0.87 | 1252 | 78.8 |

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 19 September 2016 to 20 September 2016.

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

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, m | TSP Level, $\mathrm{m}^{3} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\mathrm{si}}$ | Final, $Q_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:02 | Cloudy | 16838 | 2.6790 | 2.6802 | 7198.50 | 7199.50 | 1.00 | 0.88 | 0.88 | 0.88 | 53 | 22.8 |
| 2-Sep-16 | 9:10 | Cloudy | 17028 | 2.8286 | 2.8305 | 7199.50 | 7200.50 | 1.00 | 0.88 | 0.88 | 0.88 | 53 | 36.1 |
| 2-Sep-16 | 13:30 | Cloudy | 17021 | 2.8236 | 2.8357 | 7200.50 | 7201.50 | 1.00 | 1.00 | 1.00 | 1.00 | 60 | 201.5 |
| 8-Sep-16 | 8:35 | Cloudy | 17315 | 2.8341 | 2.8371 | 7225.50 | 7226.50 | 1.00 | 0.95 | 0.95 | 0.95 | 57 | 52.8 |
| 8-Sep-16 | 10:09 | Cloudy | 17311 | 2.6282 | 2.6352 | 7226.50 | 7227.50 | 1.00 | 0.95 | 0.92 | 0.93 | 56 | 125.3 |
| 8-Sep-16 | 13:00 | Cloudy | 17307 | 2.6684 | 2.6718 | 7227.50 | 7228.50 | 1.00 | 0.95 | 0.92 | 0.93 | 56 | 60.9 |
| 14-Sep-16 | 8:05 | Fine | 17334 | 2.7929 | 2.8054 | 7252.50 | 7253.50 | 1.00 | 0.92 | 0.92 | 0.92 | 55 | 226.8 |
| 14-Sep-16 | 9:10 | Fine | 17271 | 2.6871 | 2.7077 | 7253.50 | 7254.50 | 1.00 | 0.92 | 0.89 | 0.90 | 54 | 379.4 |
| 14-Sep-16 | 13:00 | Fine | 17297 | 2.6465 | 2.6633 | 7254.50 | 7255.50 | 1.00 | 0.86 | 0.86 | 0.86 | 52 | 324.4 |
| 20-Sep-16 | 8:05 | Rainy | 17324 | 2.7988 | 2.8038 | 7268.77 | 7269.77 | 1.00 | 0.99 | 0.99 | 0.99 | 59 | 84.5 |
| 20-Sep-16 | 9:10 | Rainy | 17249 | 2.6871 | 2.6950 | 7269.77 | 7270.77 | 1.00 | 0.99 | 0.99 | 0.99 | 59 | 133.6 |
| 20-Sep-16 | 10:30 | Rainy | 17236 | 2.6718 | 2.6829 | 7270.77 | 7271.77 | 1.00 | 0.99 | 0.99 | 0.99 | 59 | 187.7 |
| 26-Sep-16 | 8:05 | Fine | 17397 | 2.7948 | 2.8063 | 7319.77 | 7320.77 | 1.00 | 0.98 | 0.98 | 0.98 | 59 | 196.0 |
| 26-Sep-16 | 9:10 | Fine | 16759 | 2.8228 | 2.8441 | 7320.77 | 7321.77 | 1.00 | 0.92 | 0.92 | 0.92 | 55 | 385.0 |
| 26-Sep-16 | 13:00 | Fine | 16748 | 2.8146 | 2.8318 | 7321.77 | 7322.77 | 1.00 | 0.98 | 0.95 | 0.96 | 58 | 297.3 |

Report on 24-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 173.4
Limit Level $(\mu \mathrm{g} / \mathrm{m} 3)$ - 260

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total <br> Volume, $\mathrm{m}^{3}$ | $\begin{gathered} \hline \text { TSP Level, } \\ \mu \mathrm{g} / \mathrm{m}^{3} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\mathrm{si}}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17011 | 2.7008 | 2.7719 | 19384.65 | 19408.65 | 24.00 | 1.19 | 1.19 | 1.19 | 1712 | 41.5 |
| 7-Sep-16 | 8:00 | Rainy | 16886 | 2.6957 | 2.7390 | 19411.65 | 19435.65 | 24.00 | 1.19 | 1.19 | 1.19 | 1718 | 25.2 |
| 13-Sep-16 | 8:00 | Cloudy | 17172 | 2.8003 | 2.8749 | 19438.65 | 19462.65 | 24.00 | 1.21 | 1.20 | 1.20 | 1734 | 43.0 |
| 20-Sep-16 | 11:20 | Rainy | 17253 | 2.6911 | 2.7815 | 19484.10 | 19508.10 | 24.00 | 1.21 | 1.21 | 1.21 | 1741 | 51.9 |
| 24-Sep-16 | 8:00 | Fine | 17220 | 2.6975 | 2.7833 | 19508.10 | 19532.10 | 24.00 | 1.21 | 1.29 | 1.25 | 1797 | 47.7 |

Remarks: Due to interruption of electricity, the 24 hr TSP was rescheduled from 19 September 2016 to 20 September 2016.
Report on 1-hour TSP monitoring
Action Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) - 325.1
Limit Level $(\mu \mathrm{g} / \mathrm{m} 3)$ - $\quad 500$

| Date | Sampling Time | Weather Condition | $\begin{array}{\|c\|} \hline \text { Filter paper } \\ \text { no. } \end{array}$ | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:02 | Cloudy | 17003 | 2.7168 | 2.7196 | 19408.65 | 19409.65 | 1.00 | 1.19 | 1.19 | 1.19 | 71 | 39.3 |
| 2-Sep-16 | 9:04 | Cloudy | 16890 | 2.6797 | 2.6821 | 19409.65 | 19410.65 | 1.00 | 1.19 | 1.19 | 1.19 | 71 | 33.7 |
| 2-Sep-16 | 10:07 | Cloudy | 16888 | 2.6998 | 2.7022 | 19410.65 | 19411.65 | 1.00 | 1.19 | 1.19 | 1.19 | 71 | 33.7 |
| 8-Sep-16 | 8:10 | Cloudy | 17179 | 2.7958 | 2.7975 | 19435.65 | 19436.65 | 1.00 | 1.19 | 1.19 | 1.19 | 72 | 23.8 |
| 8-Sep-16 | 9:15 | Cloudy | 17178 | 2.8153 | 2.8167 | 19436.65 | 19437.65 | 1.00 | 1.19 | 1.19 | 1.19 | 72 | 19.6 |
| 8-Sep-16 | 10:20 | Cloudy | 17177 | 2.8080 | 2.8103 | 19437.65 | 19438.65 | 1.00 | 1.19 | 1.19 | 1.19 | 72 | 32.1 |
| 14-Sep-16 | 8:02 | Fine | 17276 | 2.6926 | 2.6970 | 19462.65 | 19463.65 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 61.0 |
| 14-Sep-16 | 9:07 | Fine | 17289 | 2.6528 | 2.6588 | 19463.65 | 19464.65 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 83.2 |
| 14-Sep-16 | 10:09 | Fine | 17286 | 2.6728 | 2.6777 | 19464.65 | 19465.65 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 68.0 |
| 20-Sep-16 | 8:00 | Rainy | 17279 | 2.7076 | 2.7094 | 19481.10 | 19482.10 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 24.8 |
| 20-Sep-16 | 9:05 | Rainy | 17259 | 2.6684 | 2.6739 | 19482.10 | 19483.10 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 75.8 |
| 20-Sep-16 | 10:07 | Rainy | 17256 | 2.6811 | 2.6854 | 19483.10 | 19484.10 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 59.3 |
| 26-Sep-16 | 8:02 | Fine | 16766 | 2.8232 | 2.8304 | 19532.10 | 19533.10 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 99.7 |
| 26-Sep-16 | 9:05 | Fine | 16763 | 2.8238 | 2.8320 | 19533.10 | 19534.10 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 113.5 |
| 26-Sep-16 | 10:08 | Fine | 16760 | 2.8108 | 2.8204 | 19534.10 | 19535.10 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 132.9 |

## Report on 24-hour TSP monitoring

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

| Date | Sampling <br> Time | Weather Condition | Filter paper no. | Filter Weight, g |  | Elapse Time, hr |  | Sampling <br> Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | Total Volume, $\mathrm{m}^{3}$ | TSP Level, $\mu \mathrm{g} / \mathrm{m}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\mathrm{sf}}$ | Average |  |  |
| 1-Sep-16 | 8:00 | Rainy | 17010 | 2.7115 | 2.7800 | 19289.16 | 19313.16 | 24.00 | 1.20 | 1.20 | 1.20 | 1729 | 39.6 |
| 7-Sep-16 | 8:00 | Rainy | 16885 | 2.6876 | 2.7371 | 19316.16 | 19340.16 | 24.00 | 1.21 | 1.21 | 1.21 | 1736 | 28.5 |
| 13-Sep-16 | 8:00 | Cloudy | 17173 | 2.8043 | 2.9105 | 19343.16 | 19367.16 | 24.00 | 1.21 | 1.21 | 1.21 | 1742 | 61.0 |
| 19-Sep-16 | 8:00 | Cloudy | 17283 | 2.6962 | 2.7768 | 19370.16 | 19394.16 | 24.00 | 1.21 | 1.22 | 1.21 | 1746 | 46.2 |
| 24-Sep-16 | 8:00 | Fine | 17252 | 2.6542 | 2.7360 | 19397.16 | 19421.16 | 24.00 | 1.21 | 1.21 | 1.21 | 1746 | 46.9 |

Report on 1-hour TSP monitoring

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

Limit Level ( $\mu \mathrm{g} / \mathrm{m} 3$ ) -

| Date | Sampling Time | Weather Condition | $\begin{gathered} \text { Filter paper } \\ \text { no. } \end{gathered}$ | Filter Weight, g |  | Elapse Time, hr |  | Sampling Time, hr | Flow Rate, $\mathrm{m}^{3} / \mathrm{min}$ |  |  | $\begin{array}{\|c\|} \hline \text { Total } \\ \text { Volume, } \mathrm{m}^{3} \\ \hline \end{array}$ | $\begin{gathered} \text { TSP Level, } \\ \mu \mathrm{g} / \mathrm{m}^{3} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Initial | Final | Initial | Final |  | Initial, $\mathrm{Q}_{\text {si }}$ | Final, $\mathrm{Q}_{\text {sf }}$ | Average |  |  |
| 2-Sep-16 | 8:05 | Cloudy | 16891 | 2.7081 | 2.7132 | 19313.16 | 19314.16 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 70.8 |
| 2-Sep-16 | 9:07 | Cloudy | 16889 | 2.6793 | 2.6857 | 19314.16 | 19315.16 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 88.9 |
| 2-Sep-16 | 10:09 | Cloudy | 16887 | 2.6947 | 2.6989 | 19315.16 | 19316.16 | 1.00 | 1.20 | 1.20 | 1.20 | 72 | 58.3 |
| 8-Sep-16 | 8:05 | Cloudy | 17182 | 2.8190 | 2.8216 | 19340.16 | 19341.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 35.9 |
| 8-Sep-16 | 9:10 | Cloudy | 17181 | 2.8285 | 2.8324 | 19341.16 | 19342.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 53.9 |
| 8-Sep-16 | 10:15 | Cloudy | 17180 | 2.8152 | 2.8170 | 19342.16 | 19343.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 24.9 |
| 14-Sep-16 | 8:05 | Fine | 17277 | 2.7003 | 2.7013 | 19367.16 | 19368.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 13.8 |
| 14-Sep-16 | 9:07 | Fine | 17278 | 2.6801 | 2.6857 | 19368.16 | 19369.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 77.3 |
| 14-Sep-16 | 10:09 | Fine | 17287 | 2.6799 | 2.6859 | 19369.16 | 19370.16 | 1.00 | 1.21 | 1.21 | 1.21 | 72 | 82.8 |
| 20-Sep-16 | 8:03 | Rainy | 17261 | 2.6627 | 2.6666 | 19394.16 | 19395.16 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 53.5 |
| 20-Sep-16 | 9:07 | Rainy | 17258 | 2.6799 | 2.6846 | 19395.16 | 19396.16 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 64.4 |
| 20-Sep-16 | 10:09 | Rainy | 17255 | 2.6687 | 2.6738 | 19396.16 | 19397.16 | 1.00 | 1.22 | 1.22 | 1.22 | 73 | 69.9 |
| 26-Sep-16 | 8:05 | Fine | 16795 | 2.8270 | 2.8349 | 19421.16 | 19422.16 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 108.8 |
| 26-Sep-16 | 9:07 | Fine | 16762 | 2.8167 | 2.8246 | 19422.16 | 19423.16 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 108.8 |
| 26-Sep-16 | 10:09 | Fine | 16697 | 2.9181 | 2.9271 | 19423.16 | 19424.16 | 1.00 | 1.21 | 1.21 | 1.21 | 73 | 124.0 |

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




Contract no. HK/2015/01

Graphic Presentation of $\mathbf{2 4}$ 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) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Normal Day 07:0 | 0-19:00 | 1/9/2016 12:31 | 66 | 7/9/2016 7:01 | 66 |
|  |  | 1/9/2016 13:01 | 68 | 7/9/2016 7:31 | 66 |
| 27/8/2016 7:01 | 65 | 1/9/2016 13:31 | 67 | 7/9/2016 8:01 | 66 |
| 27/8/2016 7:31 | 65 | 1/9/2016 14:01 | 69 | 7/9/2016 8:31 | 66 |
| 27/8/2016 8:01 | 66 | 1/9/2016 14:31 | 68 | 7/9/2016 9:01 | 66 |
| 27/8/2016 8:31 | 66 | 1/9/2016 15:01 | 67 | 7/9/2016 9:31 | 67 |
| 27/8/2016 9:01 | 66 | 1/9/2016 15:31 | 67 | 7/9/2016 10:01 | 67 |
| 27/8/2016 9:31 | 66 | 1/9/2016 16:01 | 66 | 7/9/2016 10:31 | 67 |
| 27/8/2016 10:01 | 67 | 1/9/2016 16:31 | 67 | 7/9/2016 11:01 | 67 |
| 27/8/2016 10:31 | 67 | 1/9/2016 17:01 | 67 | 7/9/2016 11:31 | 68 |
| 27/8/2016 11:01 | 66 | 1/9/2016 17:31 | 67 | 7/9/2016 12:01 | 67 |
| 27/8/2016 11:31 | 66 | 1/9/2016 18:01 | 67 | 7/9/2016 12:31 | 68 |
| 27/8/2016 12:01 | 66 | 1/9/2016 18:31 | 65 | 7/9/2016 13:01 | 68 |
| 27/8/2016 12:31 | 66 | 2/9/2016 7:01 | 65 | 7/9/2016 13:31 | 67 |
| 27/8/2016 13:01 | 66 | 2/9/2016 7:31 | 66 | 7/9/2016 14:01 | 68 |
| 27/8/2016 13:31 | 66 | 2/9/2016 8:01 | 66 | 7/9/2016 14:31 | 67 |
| 27/8/2016 14:01 | 65 | 2/9/2016 8:31 | 66 | 7/9/2016 15:01 | 67 |
| 27/8/2016 14:31 | 66 | 2/9/2016 9:01 | 66 | 7/9/2016 15:31 | 67 |
| 27/8/2016 15:01 | 65 | 2/9/2016 9:31 | 67 | 7/9/2016 16:01 | 67 |
| 27/8/2016 15:31 | 66 | 2/9/2016 10:01 | 67 | 7/9/2016 16:31 | 67 |
| 27/8/2016 16:01 | 66 | 2/9/2016 10:31 | 67 | 7/9/2016 17:01 | 67 |
| 27/8/2016 16:31 | 66 | 2/9/2016 11:01 | 67 | 7/9/2016 17:31 | 68 |
| 27/8/2016 17:01 | 66 | 2/9/2016 11:31 | 66 | 7/9/2016 18:01 | 67 |
| 27/8/2016 17:31 | 66 | 2/9/2016 12:01 | 66 | 7/9/2016 18:31 | 66 |
| 27/8/2016 18:01 | 65 | 2/9/2016 12:31 | 65 | 8/9/2016 7:01 | 65 |
| 27/8/2016 18:31 | 66 | 2/9/2016 13:01 | 67 | 8/9/2016 7:31 | 67 |
| 29/8/2016 7:01 | 65 | 2/9/2016 13:31 | 67 | 8/9/2016 8:01 | 67 |
| 29/8/2016 7:31 | 66 | 2/9/2016 14:01 | 66 | 8/9/2016 8:31 | 66 |
| 29/8/2016 8:01 | 66 | 2/9/2016 14:31 | 66 | 8/9/2016 9:01 | 67 |
| 29/8/2016 8:31 | 66 | 2/9/2016 15:01 | 66 | 8/9/2016 9:31 | 67 |
| 29/8/2016 9:01 | 66 | 2/9/2016 15:31 | 67 | 8/9/2016 10:01 | 67 |
| 29/8/2016 9:31 | 67 | 2/9/2016 16:01 | 66 | 8/9/2016 10:31 | 67 |
| 29/8/2016 10:01 | 67 | 2/9/2016 16:31 | 66 | 8/9/2016 11:01 | 67 |
| 29/8/2016 10:31 | 67 | 2/9/2016 17:01 | 66 | 8/9/2016 11:31 | 67 |
| 29/8/2016 11:01 | 67 | 2/9/2016 17:31 | 67 | 8/9/2016 12:01 | 67 |
| 29/8/2016 11:31 | 67 | 2/9/2016 18:01 | 66 | 8/9/2016 12:31 | 66 |
| 29/8/2016 12:01 | 67 | 2/9/2016 18:31 | 64 | 8/9/2016 13:01 | 67 |
| 29/8/2016 12:31 | 67 | 3/9/2016 7:01 | 64 | 8/9/2016 13:31 | 67 |
| 29/8/2016 13:01 | 67 | 3/9/2016 7:31 | 66 | 8/9/2016 14:01 | 67 |
| 29/8/2016 13:31 | 67 | 3/9/2016 8:01 | 67 | 8/9/2016 14:31 | 67 |
| 29/8/2016 14:01 | 67 | 3/9/2016 8:31 | 67 | 8/9/2016 15:01 | 67 |
| 29/8/2016 14:31 | 67 | 3/9/2016 9:01 | 66 | 8/9/2016 15:31 | 67 |
| 29/8/2016 15:01 | 66 | 3/9/2016 9:31 | 67 | 8/9/2016 16:01 | 66 |
| 29/8/2016 15:31 | 66 | 3/9/2016 10:01 | 66 | 8/9/2016 16:31 | 67 |
| 29/8/2016 16:01 | 66 | 3/9/2016 10:31 | 66 | 8/9/2016 17:01 | 67 |
| 29/8/2016 16:31 | 67 | 3/9/2016 11:01 | 66 | 8/9/2016 17:31 | 66 |
| 29/8/2016 17:01 | 67 | 3/9/2016 11:31 | 66 | 8/9/2016 18:01 | 66 |
| 29/8/2016 17:31 | 66 | 3/9/2016 12:01 | 66 | 8/9/2016 18:31 | 65 |
| 29/8/2016 18:01 | 67 | 3/9/2016 12:31 | 66 | 9/9/2016 7:01 | 65 |
| 29/8/2016 18:31 | 66 | 3/9/2016 13:01 | 66 | 9/9/2016 7:31 | 66 |
| 30/8/2016 7:01 | 65 | 3/9/2016 13:31 | 66 | 9/9/2016 8:01 | 66 |
| 30/8/2016 7:31 | 66 | 3/9/2016 14:01 | 66 | 9/9/2016 8:31 | 67 |
| 30/8/2016 8:01 | 66 | 3/9/2016 14:31 | 66 | 9/9/2016 9:01 | 66 |
| 30/8/2016 8:31 | 66 | 3/9/2016 15:01 | 66 | 9/9/2016 9:31 | 67 |
| 30/8/2016 9:01 | 66 | 3/9/2016 15:31 | 66 | 9/9/2016 10:01 | 67 |
| 30/8/2016 9:31 | 67 | 3/9/2016 16:01 | 66 | 9/9/2016 10:31 | 67 |
| 30/8/2016 10:01 | 67 | 3/9/2016 16:31 | 66 | 9/9/2016 11:01 | 72 |
| 30/8/2016 10:31 | 67 | 3/9/2016 17:01 | 67 | 9/9/2016 11:31 | 70 |
| 30/8/2016 11:01 | 66 | 3/9/2016 17:31 | 67 | 9/9/2016 12:01 | 67 |
| 30/8/2016 11:31 | 66 | 3/9/2016 18:01 | 67 | 9/9/2016 12:31 | 66 |
| 30/8/2016 12:01 | 66 | 3/9/2016 18:31 | 66 | 9/9/2016 13:01 | 67 |
| 30/8/2016 12:31 | 66 | 5/9/2016 7:01 | 65 | 9/9/2016 13:31 | 67 |
| 30/8/2016 13:01 | 66 | 5/9/2016 7:31 | 66 | 9/9/2016 14:01 | 67 |
| 30/8/2016 13:31 | 66 | 5/9/2016 8:01 | 66 | 9/9/2016 14:31 | 67 |
| 30/8/2016 14:01 | 66 | 5/9/2016 8:31 | 66 | 9/9/2016 15:01 | 67 |
| 30/8/2016 14:31 | 66 | 5/9/2016 9:01 | 66 | 9/9/2016 15:31 | 66 |
| 30/8/2016 15:01 | 67 | 5/9/2016 9:31 | 67 | 9/9/2016 16:01 | 67 |
| 30/8/2016 15:31 | 66 | 5/9/2016 10:01 | 68 | 9/9/2016 16:31 | 67 |
| 30/8/2016 16:01 | 66 | 5/9/2016 10:31 | 67 | 9/9/2016 17:01 | 66 |
| 30/8/2016 16:31 | 66 | 5/9/2016 11:01 | 68 | 9/9/2016 17:31 | 66 |
| 30/8/2016 17:01 | 66 | 5/9/2016 11:31 | 70 | 9/9/2016 18:01 | 66 |
| 30/8/2016 17:31 | 66 | 5/9/2016 12:01 | 69 | 9/9/2016 18:31 | 66 |
| 30/8/2016 18:01 | 66 | 5/9/2016 12:31 | 67 | 10/9/2016 7:01 | 65 |
| 30/8/2016 18:31 | 66 | 5/9/2016 13:01 | 69 | 10/9/2016 7:31 | 66 |
| 31/8/2016 7:01 | 65 | 5/9/2016 13:31 | 69 | 10/9/2016 8:01 | 68 |
| 31/8/2016 7:31 | 66 | 5/9/2016 14:01 | 69 | 10/9/2016 8:31 | 67 |
| 31/8/2016 8:01 | 67 | 5/9/2016 14:31 | 68 | 10/9/2016 9:01 | 67 |
| 31/8/2016 8:31 | 67 | 5/9/2016 15:01 | 68 | 10/9/2016 9:31 | 67 |
| 31/8/2016 9:01 | 67 | 5/9/2016 15:31 | 68 | 10/9/2016 10:01 | 67 |
| 31/8/2016 9:31 | 67 | 5/9/2016 16:01 | 67 | 10/9/2016 10:31 | 67 |
| 31/8/2016 10:01 | 67 | 5/9/2016 16:31 | 67 | 10/9/2016 11:01 | 67 |
| 31/8/2016 10:31 | 67 | 5/9/2016 17:01 | 67 | 10/9/2016 11:31 | 68 |
| 31/8/2016 11:01 | 67 | 5/9/2016 17:31 | 67 | 10/9/2016 12:01 | 71 |
| 31/8/2016 11:31 | 67 | 5/9/2016 18:01 | 67 | 10/9/2016 12:31 | 67 |
| 31/8/2016 12:01 | 66 | 5/9/2016 18:31 | 66 | 10/9/2016 13:01 | 67 |
| 31/8/2016 12:31 | 66 | 6/9/2016 7:01 | 65 | 10/9/2016 13:31 | 67 |
| 31/8/2016 13:01 | 66 | 6/9/2016 7:31 | 66 | 10/9/2016 14:01 | 67 |
| 31/8/2016 13:31 | 66 | 6/9/2016 8:01 | 66 | 10/9/2016 14:31 | 67 |
| 31/8/2016 14:01 | 66 | 6/9/2016 8:31 | 68 | 10/9/2016 15:01 | 67 |
| 31/8/2016 14:31 | 66 | 6/9/2016 9:01 | 68 | 10/9/2016 15:31 | 66 |
| 31/8/2016 15:01 | 66 | 6/9/2016 9:31 | 67 | 10/9/2016 16:01 | 67 |
| 31/8/2016 15:31 | 66 | 6/9/2016 10:01 | 67 | 10/9/2016 16:31 | 67 |
| 31/8/2016 16:01 | 66 | 6/9/2016 10:31 | 67 | 10/9/2016 17:01 | 68 |
| 31/8/2016 16:31 | 66 | 6/9/2016 11:01 | 68 | 10/9/2016 17:31 | 68 |
| 31/8/2016 17:01 | 67 | 6/9/2016 11:31 | 70 | 10/9/2016 18:01 | 67 |
| 31/8/2016 17:31 | 67 | 6/9/2016 12:01 | 69 | 10/9/2016 18:31 | 66 |
| 31/8/2016 18:01 | 67 | 6/9/2016 12:31 | 67 | 12/9/2016 7:01 | 65 |
| 31/8/2016 18:31 | 66 | 6/9/2016 13:01 | 69 | 12/9/2016 7:31 | 66 |
| 1/9/2016 7:01 | 68 | 6/9/2016 13:31 | 67 | 12/9/2016 8:01 | 66 |
| 1/9/2016 7:31 | 67 | 6/9/2016 14:01 | 66 | 12/9/2016 8:31 | 66 |
| 1/9/2016 8:01 | 67 | 6/9/2016 14:31 | 67 | 12/9/2016 9:01 | 66 |
| 1/9/2016 8:31 | 66 | 6/9/2016 15:01 | 66 | 12/9/2016 9:31 | 67 |
| 1/9/2016 9:01 | 67 | 6/9/2016 15:31 | 66 | 12/9/2016 10:01 | 67 |
| 1/9/2016 9:31 | 68 | 6/9/2016 16:01 | 67 | 12/9/2016 10:31 | 67 |
| 1/9/2016 10:01 | 72 | 6/9/2016 16:31 | 67 | 12/9/2016 11:01 | 67 |
| 1/9/2016 10:31 | 68 | 6/9/2016 17:01 | 67 | 12/9/2016 11:31 | 66 |
| 1/9/2016 11:01 | 67 | 6/9/2016 17:31 | 67 | 12/9/2016 12:01 | 66 |
| $\begin{aligned} & \text { 1/9/2016 11:31 } \\ & \text { 1/9/2016 12:01 } \end{aligned}$ | 67 67 | 6/9/2016 18:01 | $\begin{aligned} & 67 \\ & 66 \end{aligned}$ | 12/9/2016 12:31 | 66 66 |

12/9/2016 13:31 12/9/2016 14:31 2/9/2016 14:01 66 2/9/2016 14:31 66 12/9/2016 15:01 66 2/9/2016 15:31 66 12/9/2016 16:01 6 2/9/2016 16:31 12/9/2016 17:31 12/9/2016 18:01 13/9/2016 7:01 13/9/2016 7:31 13/9/2016 8:01 13/9/2016 8:31 13/9/2016 9:01 13/9/2016 9:31 3/9/2016 10.01 3/9/2016 10:31 13/9/2016 10:31 67 13/9/2016 11:31 3/9/2016 12:01 12:31 65 13/9/016 66 3/9/2016 13:31 66 3/9/2016 14.0166 $3 / 9 / 2016$ 14:31 67 13/9/2016 15:31 13/9/2016 16:01 13/9/2016 16:31 13/9/2016 17:01 66 13/9/2016 17.31 66 13/9/2016 18:01 67 3/9/2016 18:31 66 14/9/2016 7:01 14/9/2016 7:31 14/9/2016 8:01 14/9/2016 8:31 4/9/2016 9:01 4/9/2016 9:31 1/2016 10:01 67 14/9/2016 10:31 66 14/9/2016 11:01 65 14/9/2016 11:31 65 14/9/2016 12:01 65 14/9/2016 12:31 65 14/9/2016 13:01 66 14/9/2016 13:31 14/9/2016 14:01 14/9/2016 14:31 4/9/2016 15.31 14/9/2016 16:01 67 14/9/2016 16:31 67 14/9/2016 17:01 67 4/9/2016 17:31 67 4/9/2016 18:01 4/9/2016 18:31 5/9/2016 7:01 5/9/2016 7:31 5/9/2016 8:01 5/9/2016 8:31 66 5/9/2016 9:01 66 15/9/2016 9:31 66 15/9/2016 10:01 67 5/9/2016 10:31 15/9/2016 11:01 15/9/2016 11:31 15/9/2016 12:01 15/9/2016 12:31 15/9/2016 13:01 15/9/2016 13:31 15/9/2016 14:01 67 15/9/2016 14:31 67 15/9/2016 15:01 66 5/9/2016 15:31 66 5/9/2016 16:01 65 5/9/2016 16:31 65 15/9/2016 17:01 65 5/9/2016 17:31 5/9/2016 18:01 5/9/2016 18:31 7/9/2016 7:01 7/9/2016 7:31 17/9/2016 8:01 66 179/2016 8:31 66 17/9/2016 9:01 6 17/9/2016 9:31 17/9/2016 10:01 67 17/9/2016 10:31 66 17/9/2016 11:01 17/9/2016 11:31 17/9/2016 12:01 66 17/9/2016 12:31 66 17/9/2016 13:01 68 17/9/2016 13:31 66 7/9/2016 14:01 66 17/9/2016 14:31 66 17/9/2016 15:01 6 17/9/2016 15:31 6 17/9/2016 16:01 66 17/9/2016 16:31 66 17/9/2016 17:01 68 7/9/2016 17:31 67 17/9/2016 18:01 66 17/9/2016 18:31 65 19/9/2016 7:31 66
 Normal Day 19:00-23:00, Sunday \& Holiday 07.00-23.00

27/8/2016 19:01 65 27/8/2016 19:06 65 27/8/2016 19:11 65 27/8/2016 19:16 65 27/8/2016 19:21 65 27/8/2016 19:26 65 27/8/2016 19:31 65 27/8/2016 19:36 27/8/2016 19:41 27/8/2016 19:46 27/8/2016 19:51 27/8/2016 19:56 65
$27 / 8 / 201620: 01$ 27/8/2016 20:01 65 27/8/2016 20:06 65 27/8/2016 20:16 65 27/8/2016 20:21 27/8/2016 20:26 27/8/2016 20:31 27/8/2016 20:36 27/8/2016 20:41 64 27/8/2016 20:46 64 27/8/2016 20:51 65 27/8/2016 20:56 64 27/8/2016 21:01 64 27/8/2016 21:06 27/8/2016 21:11 27/8/2016 21:16 27/8/2016 21.2 27/8/2016 21:31 27/8/2016 21:36 27/8/2016 21:41 64 27/8/2016 21:46 65 27/8/2016 21.51 64 27/8/2016 21.56 65 27/8/2016 22:01 65 27/8/2016 22:06 65 27/8/2016 22:11 27/8/2016 22.16 27/8/2016 22:21 27/8/2016 22:26 27/8/2016 22:31 64 27/8/2016 22:36 65 27/8/2016 22:41 64 $\begin{array}{lll}27 / 8 / 2016 & 22: 46 & 64 \\ \text { 27/8/2016 22:51 } & 65\end{array}$

| Real-time Noise Data |  | RTN1 (Food and Environmental Hygiene Department Depot) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 27/8/2016 22:56 | 64 | 28/8/2016 16:01 | 65 | 29/8/2016 21:06 |  |
| 28/8/2016 7:01 | 64 | 28/8/2016 16:06 | 65 | 29/8/2016 21:11 | 65 |
| 28/8/2016 7:06 | 64 | 28/8/2016 16:11 | 65 | 29/8/2016 21:16 | 65 |
| 28/8/2016 7:11 | 67 | 28/8/2016 16:16 | 68 | 29/8/2016 21:21 | 65 |
| 28/8/2016 7:16 | 63 | 28/8/2016 16:21 | 66 | 29/8/2016 21:26 | 65 |
| 28/8/2016 7:21 | 64 | 28/8/2016 16:26 | 66 | 29/8/2016 21:31 | 66 |
| 28/8/2016 7:26 | 64 | 28/8/2016 16:31 | 68 | 29/8/2016 21:36 | 66 |
| 28/8/2016 7:31 | 64 | 28/8/2016 16:36 | 67 | 29/8/2016 21:41 | 65 |
| 28/8/2016 7:36 | 64 | 28/8/2016 16:41 | 66 | 29/8/2016 21:46 | 65 |
| 28/8/2016 7:41 | 65 | 28/8/2016 16:46 | 67 | 29/8/2016 21:51 | 65 |
| 28/8/2016 7:46 | 65 | 28/8/2016 16:51 | 67 | 29/8/2016 21:56 | 65 |
| 28/8/2016 7:51 | 65 | 28/8/2016 16:56 | 66 | 29/8/2016 22:01 | 64 |
| 28/8/2016 7:56 | 65 | 28/8/2016 17:01 | 67 | 29/8/2016 22:06 | 65 |
| 28/8/2016 8:01 | 65 | 28/8/2016 17:06 | 67 | 29/8/2016 22:11 | 65 |
| 28/8/2016 8:06 | 64 | 28/8/2016 17:11 | 65 | 29/8/2016 22:16 | 65 |
| 28/8/2016 8:11 | 65 | 28/8/2016 17:16 | 65 | 29/8/2016 22:21 | 65 |
| 28/8/2016 8:16 | 65 | 28/8/2016 17:21 | 66 | 29/8/2016 22:26 | 65 |
| 28/8/2016 8:21 | 65 | 28/8/2016 17:26 | 66 | 29/8/2016 22:31 | 65 |
| 28/8/2016 8:26 | 66 | 28/8/2016 17:31 | 65 | 29/8/2016 22:36 | 65 |
| 28/8/2016 8:31 | 65 | 28/8/2016 17:36 | 66 | 29/8/2016 22:41 | 65 |
| 28/8/2016 8:36 | 65 | 28/8/2016 17:41 | 66 | 29/8/2016 22:46 | 64 |
| 28/8/2016 8:41 | 65 | 28/8/2016 17:46 | 65 | 29/8/2016 22:51 | 65 |
| 28/8/2016 8:46 | 65 | 28/8/2016 17:51 | 65 | 29/8/2016 22:56 | 64 |
| 28/8/2016 8:51 | 65 | 28/8/2016 17:56 | 65 | 30/8/2016 19:01 | 66 |
| 28/8/2016 8:56 | 65 | 28/8/2016 18:01 | 66 | 30/8/2016 19:06 | 66 |
| 28/8/2016 9:01 | 65 | 28/8/2016 18:06 | 66 | 30/8/2016 19:11 | 66 |
| 28/8/2016 9:06 | 66 | 28/8/2016 18:11 | 66 | 30/8/2016 19:16 | 66 |
| 28/8/2016 9:11 | 65 | 28/8/2016 18:16 | 65 | 30/8/2016 19:21 | 66 |
| 28/8/2016 9:16 | 66 | 28/8/2016 18:21 | 66 | 30/8/2016 19:26 | 66 |
| 28/8/2016 9:21 | 66 | 28/8/2016 18:26 | 65 | 30/8/2016 19:31 | 66 |
| 28/8/2016 9:26 | 66 | 28/8/2016 18:31 | 63 | 30/8/2016 19:36 | 65 |
| 28/8/2016 9:31 | 66 | 28/8/2016 18:36 | 63 | 30/8/2016 19:41 | 65 |
| 28/8/2016 9:36 | 66 | 28/8/2016 18:41 | 64 | 30/8/2016 19:46 | 65 |
| 28/8/2016 9:41 | 66 | 28/8/2016 18:46 | 64 | 30/8/2016 19:51 | 65 |
| 28/8/2016 9:46 | 65 | 28/8/2016 18:51 | 64 | 30/8/2016 19:56 | 65 |
| 28/8/2016 9:51 | 65 | 28/8/2016 18:56 | 65 | 30/8/2016 20:01 | 65 |
| 28/8/2016 9:56 | 66 | 28/8/2016 19:01 | 65 | 30/8/2016 20:06 | 65 |
| 28/8/2016 10:01 | 65 | 28/8/2016 19:06 | 65 | 30/8/2016 20:11 | 65 |
| 28/8/2016 10:06 | 66 | 28/8/2016 19:11 | 65 | 30/8/2016 20:16 | 65 |
| 28/8/2016 10:11 | 66 | 28/8/2016 19:16 | 65 | 30/8/2016 20:21 | 64 |
| 28/8/2016 10:16 | 66 | 28/8/2016 19:21 | 67 | 30/8/2016 20:26 | 65 |
| 28/8/2016 10:21 | 65 | 28/8/2016 19:26 | 65 | 30/8/2016 20:31 | 65 |
| 28/8/2016 10:26 | 66 | 28/8/2016 19:31 | 65 | 30/8/2016 20:36 | 65 |
| 28/8/2016 10:31 | 66 | 28/8/2016 19:36 | 65 | 30/8/2016 20:41 | 65 |
| 28/8/2016 10:36 | 65 | 28/8/2016 19:41 | 65 | 30/8/2016 20:46 | 64 |
| 28/8/2016 10:41 | 65 | 28/8/2016 19:46 | 65 | 30/8/2016 20:51 | 65 |
| 28/8/2016 10:46 | 65 | 28/8/2016 19:51 | 65 | 30/8/2016 20:56 | 65 |
| 28/8/2016 10:51 | 65 | 28/8/2016 19:56 | 66 | 30/8/2016 21:01 | 64 |
| 28/8/2016 10:56 | 65 | 28/8/2016 20:01 | 65 | 30/8/2016 21:06 | 64 |
| 28/8/2016 11:01 | 65 | 28/8/2016 20:06 | 65 | 30/8/2016 21:11 | 64 |
| 28/8/2016 11:06 | 65 | 28/8/2016 20:11 | 65 | 30/8/2016 21:16 | 64 |
| 28/8/2016 11:11 | 65 | 28/8/2016 20:16 | 65 | 30/8/2016 21:21 | 64 |
| 28/8/2016 11:16 | 65 | 28/8/2016 20:21 | 65 | 30/8/2016 21:26 | 64 |
| 28/8/2016 11:21 | 65 | 28/8/2016 20:26 | 65 | 30/8/2016 21:31 | 64 |
| 28/8/2016 11:26 | 65 | 28/8/2016 20:31 | 64 | 30/8/2016 21:36 | 64 |
| 28/8/2016 11:31 | 65 | 28/8/2016 20:36 | 65 | 30/8/2016 21:41 | 65 |
| 28/8/2016 11:36 | 64 | 28/8/2016 20:41 | 65 | 30/8/2016 21:46 | 65 |
| 28/8/2016 11:41 | 65 | 28/8/2016 20:46 | 64 | 30/8/2016 21:51 | 65 |
| 28/8/2016 11:46 | 65 | 28/8/2016 20:51 | 65 | 30/8/2016 21:56 | 66 |
| 28/8/2016 11:51 | 65 | 28/8/2016 20:56 | 65 | 30/8/2016 22:01 | 64 |
| 28/8/2016 11:56 | 65 | 28/8/2016 21:01 | 65 | 30/8/2016 22:06 | 65 |
| 28/8/2016 12:01 | 65 | 28/8/2016 21:06 | 65 | 30/8/2016 22:11 | 65 |
| 28/8/2016 12:06 | 65 | 28/8/2016 21:11 | 65 | 30/8/2016 22:16 | 64 |
| 28/8/2016 12:11 | 66 | 28/8/2016 21:16 | 64 | 30/8/2016 22:21 | 65 |
| 28/8/2016 12:16 | 65 | 28/8/2016 21:21 | 65 | 30/8/2016 22:26 | 65 |
| 28/8/2016 12:21 | 65 | 28/8/2016 21:26 |  | 30/8/2016 22:31 | 65 |
| 28/8/2016 12:26 | 65 | 28/8/2016 21:31 | 65 | 30/8/2016 22:36 | 64 |
| 28/8/2016 12:31 | 65 | 28/8/2016 21:36 | 65 | 30/8/2016 22:41 |  |
| 28/8/2016 12:36 | 65 | 28/8/2016 21:41 | 65 | 30/8/2016 22:46 | 65 |
| 28/8/2016 12:41 | 66 | 28/8/2016 21:46 | 65 | 30/8/2016 22:51 | 64 |
| 28/8/2016 12:46 | 66 | 28/8/2016 21:51 | 64 | 30/8/2016 22:56 | 65 |
| 28/8/2016 12:51 | 67 | 28/8/2016 21:56 | 65 | 31/8/2016 19:01 | 65 |
| 28/8/2016 12:56 | 66 | 28/8/2016 22:01 | 65 | 31/8/2016 19:06 | 65 |
| 28/8/2016 13:01 | 66 | 28/8/2016 22:06 | 64 | 31/8/2016 19:11 | 65 |
| 28/8/2016 13:06 | 66 | 28/8/2016 22:11 | 64 | 31/8/2016 19:16 | 66 |
| 28/8/2016 13:11 | 65 | 28/8/2016 22:16 | 64 | 31/8/2016 19:21 | 66 |
| 28/8/2016 13:16 | 66 | 28/8/2016 22:21 |  | 31/8/2016 19:26 | 66 |
| 28/8/2016 13:21 | 66 | 28/8/2016 22:26 | 64 | 31/8/2016 19:31 | 66 |
| 28/8/2016 13:26 | 65 | 28/8/2016 22:31 | 64 | 31/8/2016 19:36 | 65 |
| 28/8/2016 13:31 | 65 | 28/8/2016 22:36 | 64 | 31/8/2016 19:41 | 65 |
| 28/8/2016 13:36 | 65 | 28/8/2016 22:41 | 65 | 31/8/2016 19:46 |  |
| 28/8/2016 13:41 | 64 | 28/8/2016 22:46 |  | 31/8/2016 19:51 | 65 |
| 28/8/2016 13:46 | 65 | 28/8/2016 22:51 | 64 | 31/8/2016 19:56 | 65 |
| 28/8/2016 13:51 | 65 | 28/8/2016 22:56 | 65 | 31/8/2016 20:01 | 65 |
| 28/8/2016 13:56 | 66 | 29/8/2016 19:01 | 66 | 31/8/2016 20:06 | 65 |
| 28/8/2016 14:01 | 65 | 29/8/2016 19:06 | 66 | 31/8/2016 20:11 |  |
| 28/8/2016 14:06 | 65 | 29/8/2016 19:11 | 67 | 31/8/2016 20:16 | 65 |
| 28/8/2016 14:11 | 65 | 29/8/2016 19:16 | 67 | 31/8/2016 20:21 | 65 |
| 28/8/2016 14:16 | 65 | 29/8/2016 19:21 | 66 | 31/8/2016 20:26 | 65 |
| 28/8/2016 14:21 | 65 | 29/8/2016 19:26 | 67 | 31/8/2016 20:31 | 65 |
| 28/8/2016 14:26 | 65 | 29/8/2016 19:31 | 67 | 31/8/2016 20:36 |  |
| 28/8/2016 14:31 | 66 | 29/8/2016 19:36 | 66 | 31/8/2016 20:41 | 65 |
| 28/8/2016 14:36 | 66 | 29/8/2016 19:41 | 66 | 31/8/2016 20:46 | 64 |
| 28/8/2016 14:41 | 66 | 29/8/2016 19:46 | 66 | 31/8/2016 20:51 | 65 |
| 28/8/2016 14:46 | 66 | 29/8/2016 19:51 | 66 | 31/8/2016 20:56 | 64 |
| 28/8/2016 14:51 | 65 | 29/8/2016 19:56 | 65 | 31/8/2016 21:01 |  |
| 28/8/2016 14:56 | 65 | 29/8/2016 20:01 | 66 | 31/8/2016 21:06 | 64 |
| 28/8/2016 15:01 | 65 | 29/8/2016 20:06 | 66 | 31/8/2016 21:11 | 65 |
| 28/8/2016 15:06 | 65 | 29/8/2016 20:11 | 66 | 31/8/2016 21:16 | 64 |
| 28/8/2016 15:11 | 65 | 29/8/2016 20:16 | 65 | 31/8/2016 21:21 | 65 |
| 28/8/2016 15:16 | 65 | 29/8/2016 20:21 | 65 | 31/8/2016 21:26 | 64 |
| 28/8/2016 15:21 | 65 | 29/8/2016 20:26 | 65 | 31/8/2016 21:31 | 64 |
| 28/8/2016 15:26 | 64 | 29/8/2016 20:31 | 65 | 31/8/2016 21:36 | 64 |
| 28/8/2016 15:31 | 64 | 29/8/2016 20:36 | 65 | 31/8/2016 21:41 |  |
| 28/8/2016 15:36 | 64 | 29/8/2016 20:41 | 65 | 31/8/2016 21:46 | 65 |
| 28/8/2016 15:41 | 65 | 29/8/2016 20:46 | 65 | 31/8/2016 21:51 |  |
| 28/8/2016 15:46 | 65 | 29/8/2016 20:51 | 65 | 31/8/2016 21:56 |  |
| $\begin{aligned} & \text { 28/8/2016 15:51 } \\ & \text { 28/8/2016 15:56 } \end{aligned}$ | $\begin{aligned} & 65 \\ & 66 \end{aligned}$ | 29/8/2016 20:56 |  | 31/8/2016 22:01 31/8/2016 22:06 |  |

31/8/2016 22:11 31/8/2016 22:16 31/8/2016 22:21 64 31/8/2016 22:26 65 31/8/2016 22:31 64 31/8/2016 22:36 64 31/8/2016 22:41 6 31/8/2016 22:46 31/8/2016 22:51 31/8/2016 22:56 1/9/2016 19:01 1/9/2016 19:01 1/9/2016 19:06
1/9/2016 19:11 1/9/2016 19:11
1/9/2016 19:16 1/9/2016 19:16
1/9/2016 19:21 1/9/2016 19:21 67 1/9/2016 19:26
1/9/2016 19:31 1/9/2016 19:31
1/9/2016 19:36 1/9/2016 19:36
1/9/2016 19:41 1/9/2016 19:41 1/9/2016 19:46 1/9/2016 19:51 1/9/2016 19:56 1/9/2016 20:01 1/9/2016 20:06
1/9/2016 20:11 $1 / 9 / 201620: 11$
$1 / 9 / 201620: 16$ $1 / 9 / 201620: 16$
$1 / 9 / 201620: 21$ 1/9/2016 20:26 1/9/2016 20:31 1/9/2016 20:36 1/9/2016 20:41 1/9/2016 20:41
1/9/2016 20:46 1/9/2016 20:46
1/9/2016 20:51 1/9/2016 20:51 1/9/2016 20:56 1/9/2016 21:01 1/9/2016 21:06
1/9/2016 21:11 1/9/2016 21:11
1/9/2016 21:16 1/9/2016 21:16
1/9/2016 21:21 1/9/2016 21:26 1/9/2016 21:31 1/9/2016 21:36 1/9/2016 21:41 1/9/2016 21:46 1/9/2016 21:51 1/9/2016 21:56
1/9/2016 22.01 1/9/2016 22:01
$1 / 9 / 201622: 06$ 1/9/2016 22:06 $1 / 9 / 201622: 11$
$1 / 9 / 201622: 16$ 1/9/2016 22:21 1/9/2016 22:26 1/9/2016 22:31 1/9/2016 22:31 1/9/2016 22:36
1/9/2016 22:41 1/9/2016 22:41
1/9/2016 22:46 1/9/2016 22:46
1/9/2016 22:51 $1 / 9 / 201622: 51$
$1 / 9 / 201622: 56$ 2/9/2016 19:01 2/9/2016 19:06 2/9/2016 19:11 2/9/2016 19:16 2/9/2016 19:21 2/9/2016 19:26 2/9/2016 19:31 2/9/2016 19:36 2/9/2016 19:41 $2 / 9 / 201619: 46$
$2 / 9 / 2016$
$19: 51$ 2/9/2016 19:51 2/9/2016 19:56 2/9/2016 20:01 2/9/2016 20:06 2/9/2016 20:11 2/9/2016 20:16 2/9/2016 20:16
2/9/2016 20:21 2/9/2016 20:21
2/9/2016 20:26 2/9/2016 20:26
2/9/2016 20:31 2/9/2016 20:31
2/9/2016 20:36 2/9/2016 20:36
2/9/2016 20:41 2/9/2016 20:41
2/9/2016 20:46 2/9/2016 20:46
2/9/2016 20:51 2/9/2016 20:51
2/9/2016 20:56 2/9/2016 20:56 2/9/2016 21:01 2/9/2016 21:06 2/9/2016 21:11 2/9/2016 21:16 2/9/2016 21:21 2/9/2016 21:26 2/9/2016 21:31 2/9/2016 21:36 2/9/2016 21:41 2/9/2016 21:46 2/9/2016 21:51 2/9/2016 21:51 2/9/2016 21:56
2/9/2016 22:01 $\begin{array}{ll}2 / 9 / 2016 & 22: 01 \\ 2 / 9 / 2016 & 62: 06 \\ 64\end{array}$ 2/9/2016 22:06
2/9/2016 22:11 2/9/2016 22:11 2/9/2016 22:16
2/9/2016 22:21 2/9/2016 22:21
2/9/2016 22:26 2/9/2016 22:26

2/9016 $22: 31$ 2/9/2016 22:36 2/9/2016 22:41 64 | $2 / 9 / 2016$ | $22: 46$ |
| :--- | :--- |
| $2 / 9 / 2016$ | 64 | 2/9/2016 22:51 6 2/9/2016 22:56 3/9/2016 19:01 $3 / 9 / 2016$ 19:06

$3 / 9 / 2016$ 19:11

3/9/2016 19:16 65 $3 / 9 / 2016$ 19:21
3/9/2016 19:26 $3 / 9 / 2016$ 19:26
$3 / 9 / 2016$ 19:31 $3 / 9 / 201619: 36$
$3 / 9 / 201619: 41$ $3 / 9 / 201619: 41$
$3 / 9 / 201619: 46$ $3 / 9 / 201619: 46$
$3 / 9 / 201619: 51$ 3/9/2016 19:56 3/9/2016 20:01 3/9/2016 20:06 3/9/2016 20:11 3/9/2016 20:16 $3 / 9 / 2016$ 20:21
$3 / 9 / 201620: 26$ $3 / 9 / 2016$ 20:26
3/9/2016 20:31 3/9/2016 20:31 3/9/2016 20:36 3/9/2016 20:41 3/9/2016 20:46 $3 / 9 / 2016$ 20:51
$3 / 9 / 201620: 56$ 3/9/2016 21:01 3/9/2016 21:06 3/9/2016 21:11 3/9/2016 21:16 3/9/2016 21:21 3/9/2016 21:26 3/9/2016 21:31 3/9/2016 21.41 3/9/2016 21:46 3/9/2016 21:51 3/9/2016 21:56 $3 / 9 / 201621: 56$
$3 / 9 / 201622.01$ 3/9/2016 22:06 $3 / 9 / 2016$ 22:11
$3 / 9 / 201622: 16$ 3/9/2016 22:16 3/9/2016 22:21 3/9/2016 22:26 $3 / 9 / 201622: 31$
$3 / 9 / 2016$ 22:36 3/9/2016 22.36 3/9/2016 22:46 3/9/2016 22:51 3/9/2016 22:56 4/9/2016 7:01 4/9/2016 7:06 4/9/2016 7:11 4/9/2016 7:16
4/9/2016 7.21 4/9/2016 7:26 4/9/2016 7:31 4/9/2016 7:36
4/9/2016 7:41 4/9/2016 7:41
4/9/2016 7:46 4/9/2016 7:46
4/9/2016 7:51 4/9/2016 7:51
4/9/2016 7:56 4/9/2016 8:01 4/9/2016 8:06 4/9/2016 8:11
4/9/2016 8:16 4/9/2016 8:21 4/9/2016 8:26 4/9/2016 8:31 $4 / 9 / 20168: 36$
$4 / 9 / 201688: 41$ $4 / 9 / 20168: 41$
$4 / 9 / 20168: 46$ $4 / 9 / 20168: 51$
$4 / 9 / 20168556$ 4/9/2016 8:56 4/9/2016 9:01 4/9/2016 9:11 4/9/2016 9:16 4/9/2016 9:21 4/9/2016 9:21 $4 / 9 / 20169: 31$
$4 / 9 / 20169.36$ 4/9/2016 9:36
4/9/2016 9:41 4/9/2016 9:41
4/9/2016 9:46 4/9/2016 9:51 4/9/2016 9:56 4/9/2016 10:01 4/9/2016 10:06
4/9/2016 10:11 4/9/2016 10:11
4/9/2016 10:16 4/9/2016 10:21 4/9/2016 10:26
4/9/2016 10:31 4/9/2016 10:36 4/9/2016 10:41 4/9/2016 10:46
4/9/2016 10:51 4/9/2016 10:56 4/9/2016 11:01 4/9/2016 11:06
4/9/2016 11:11 4/9/2016 11:11
4/9/2016 11:16 4/9/2016 11:16
4/9/2016 11:21 4/9/2016 11:26 4/9/2016 11:31 4/9/2016 11:36
4/9/2016 11:41 4/9/2016 11:46 4/9/2016 11:51 4/9/2016 11:56
4/9/2016 12:01 4/9/2016 12:01
4/9/2016 12:06 4/9/2016 12:11 4/9/2016 12:16 64



RTN1 (Food and Environmental Hygiene Department Depot) \begin{tabular}{l}
RTN1 (Food and Environmental Hygiene Department <br>

| $6 / 9 / 2016$ | $22: 31$ | 65 |
| :--- | :--- | :--- |
| $6 / 9 / 2016$ | $22: 36$ | 66 | <br>

\hline
\end{tabular} $9 / 9 / 201619: 41$

$9 / 9 / 201619: 46$
$9 / 9 / 201619: 51$ 9/9/2016 19:51 9/9/2016 20:01 9/9/2016 20:06 9/9/2016 20:11 9/9/2016 20:21 9/9/2016 20:26 9/9/2016 20:31 9/9/2016 20:36 9/9/2016 20:41 9/9/2016 20:46 9/9/2016 20:5 9/9/2016 20:56 9/9/2016 21:01 9/9/2016 21:06 9/9/2016 21:11 9/9/2016 21:16 9/2016 21:21 9/9/2016 21:31 9/9/2016 21:36 9/9/2016 21:41 9/9/2016 21:46 9/9/2016 21:51 9/9/2016 21:56 9/9/2016 22:01 9/9/2016 22:06 9/9/2016 22:11 9/9/2016 22:1 9/9/2016 22:26 9/9/2016 22:31 9/9/2016 22:36 9/9/2016 22:41
9/9/2016 22:46 9/9/2016 22:46
9/9/2016 22:51 9/9/2016 22:56 10/9/2016 19:01 10/9/2016 19:06 10/9/2016 19:11 65 10/9/2016 19:16 65 $\begin{array}{lll}10 / 9 / 2016 & 19: 21 & 65 \\ 10 / 9 / 2016 & 1926 & 65\end{array}$ 10/9/2016 19:31 10/9/2016 19:36 10/9/2016 19:41
10/9/2016 19:46 10/9/2016 19:51 10/9/2016 19:56 10/9/2016 20:01 65 10/9/2016 20:06 65 $10 / 9 / 201620: 1165$
$10 / 9 / 201620: 1665$ $10 / 9 / 201620: 1665$
$10 / 9 / 201620: 21 \quad 65$ 10/9/2016 20:26 65 10/9/2016 20:31 65
$10 / 9 / 2016$ 20:36 65 10/9/2016 20:36
$10 / 9 / 201620: 41$ 10/9/2016 20:41 10/9/2016 20:51 65 10/9/2016 20:56 65 10/9/2016 21:01 65 10/9/2016 21:06 65 10/9/2016 21:11 65 10/9/2016 21:16 10/9/2016 21:26 10/9/2016 21:31 10/9/2016 21:3 10/9/2016 21:41 65 $10 / 9 / 201621: 4665$
$10 / 9 / 201621: 5167$ 10/9/2016 21:56 65 $10 / 9 / 201621: 5665$
$10 / 9 / 201622: 0165$ 10/9/2016 22:01 65 $10 / 9 / 201622: 0666$
$10 / 9 / 201622: 1165$ 10/9/2016 22:11 10/9/2016 22:16 10/9/2016 22:21 10/9/2016 22:26 10/9/2016 22:36 65 10/9/2016 22:41 65 10/9/2016 22:46 65 10/9/2016 22:51 65 10/9/2016 22:56 11/9/2016 7:01 11/9/2016 7:06 11/9/2016 7:11 11/9/2016 7:16 11/9/2016 7:21 11/9/2016 7:26
11/9/2016 7:31 $11 / 9 / 20167: 31$
11/9/2016 7:36 11/9/2016 7:36
11/9/2016 7:41 11/9/2016 7:41
11/9/2016 7:46 11/9/2016 7:46
11/9/2016 7:51 11/9/2016 7:51
11/9/2016 7:56 11/9/2016 8:01 11/9/2016 8:06 11/9/2016 8:11 11/9/2016 8:16 11/9/2016 8:21 $11 / 9 / 20168: 26$
$11 / 9 / 20168: 31$ 11/9/2016 8:36
11/9/2016 8:41 11/9/2016 8:46 $11 / 9 / 20168:$
$11 / 9 / 20168: 51$ 11/9/2016 8:56 11/9/2016 9:01 $11 / 9 / 20169: 06$
$11 / 9 / 20169: 11$ 11/9/2016 9:116 11/9/2016 9:21 11/9/2016 9:26 11/9/2016 9:31 11/9/2016 9:31 11/9/2016 9:36 11/9/2016 9:41
11/9/2016 9:46 11/9/2016 9:46
11/9/2016 9:51 11/9/2016 9:51
11/9/2016 9:56 11/9/2016 9:56
11/9/2016 10:01 11/9/2016 10:06 11/9/2016 10:11 11/9/2016 10:16 11/9/2016 10:21 11/9/2016 10:26 65 11/9/2016 10:31 65 11/9/2016 10:36 64 11/9/2016 10:41 64 11/9/2016 10:46 65 11/9/2016 10:51 11/9/2016 10:56 11/9/2016 11:01 11/9/2016 11:06 11/9/2016 11:11 11/9/2016 11:16 11/9/2016 11:21 11/9/2016 11:26 11/9/2016 11:26
11/9/2016 11:31 11/9/2016 11:31
11:36 11/9/2016 11:41 11/9/2016 11:41
11/9/2016 11:46 11/9/2016 11:46
11/9/2016 11:51 11/9/2016 11:51
11/9/2016 11:56 11/9/2016 11:56
11/9/2016 12:01 11/9/2016 12:01
11/9/2016 12:06 11/9/2016 12:06 11/9/2016 12:11 11/9/2016 12:16 11/9/2016 12:21 6 11/9/2016 12:26 6 11/9/2016 12:31 11/9/2016 12:36 11/9/2016 12:41 11/9/2016 12:46 11/9/2016 12:51 11/9/2016 12.56 11/9/2016 13:01 11/9/2016 13:01 13 $11 / 9 / 2016$ 13:06 64
$11 / 9 / 201613: 1164$ $\begin{array}{ll}11 / 9 / 2016 & 13: 11 \\ 11 / 9 & 64 \\ 13: 16 & 64\end{array}$ 11/9/2016 13:16 6 11/9/2016 13:21 6 11/9/2016 13:26 11/9/2016 13:31 11/9/2016 13:36 11/9/2016 13:41 11/9/2016 13:46 11/9/2016 13:51 11/9/2016 13:56 11/9/2016 14:01 65 11/9/2016 14:06 11/9/2016 14:11 $11 / 9 / 201614: 16$
$11 / 9 / 201614: 21$ 11/9/2016 14:21 11/9/2016 14:26 11/9/2016 14:31 11/9/2016 14:36 11/9/2016 14:41 11/9/2016 14:46 11/9/2016 14:46 $11 / 9 / 201614: 51$
$11 / 9 / 201614: 56$ 11/9/2016 14:56 11/9/2016 15:06 11/9/2016 15:11 11/9/2016 15:11 11/9/2016 15:16 11/9/2016 15:21 11/9/2016 15:26 11/9/2016 15:31 11/9/2016 15:36 11/9/2016 15:41 11/9/2016 15:46 11/9/2016 15:51 11/9/2016 15:56 11/9/2016 16:01 11/9/2016 16:06 11/9/2016 16:11 11/9/2016 16:16 11/9/2016 16:21 11/9/2016 16:21 11/9/2016 16:31 11/9/2016 16:36 66 $\begin{array}{ll}11 / 9 / 2016 & 16: 36 \\ 11 / 9 / 2016 & 16: 41 \\ 66\end{array}$ 11/9/2016 16:41 66 11/9/2016 16:46 11/9/2016 16:51 11/9/2016 16:56 11/9/2016 17:01 11/9/2016 17:06 11/9/2016 17:11 11/9/2016 17:16 67 $\begin{array}{ll}11 / 9 / 2016 & 17: 21 \\ 11 / 96 \\ 11 & 6016 \\ 17: 26 & 66\end{array}$ $\begin{array}{ll}11 / 9 / 2016 & 17: 26 \\ 66 \\ 11 / 9 / 2016 & 17: 31 \\ 66\end{array}$ 11/9/2016 17:36 11/9/2016 17:41

| 11/9/2016 17:46 | 64 | 12/9/2016 22:51 | 164 |
| :---: | :---: | :---: | :---: |
| 11/9/2016 17:51 | 66 | 12/9/2016 22:56 |  |
| 11/9/2016 17:56 | 65 | 13/9/2016 19:0 | 65 |
| 11/9/2016 18:01 | 65 | 13/9/2016 19:06 | 65 |
| 11/9/2016 18:06 | 64 | 13/9/2016 19:11 | 65 |
| 11/9/2016 18:11 | 64 | 13/9/2016 19:16 | 66 |
| 11/9/2016 18:16 | 64 | 13/9/2016 19:21 | 66 |
| 11/9/2016 18:21 | 64 | 13/9/2016 19:26 | 66 |
| 11/9/2016 18:26 | 64 | 13/9/2016 19:31 | 66 |
| 11/9/2016 18:31 | 64 | 13/9/2016 19:36 | 65 |
| 11/9/2016 18:36 | 64 | 13/9/2016 19:4 |  |
| 11/9/2016 18:41 | 63 | 13/9/2016 19:46 | 64 |
| 11/9/2016 18:46 | 64 | 13/9/2016 19:5 | 65 |
| 11/9/2016 18:51 | 63 | 13/9/2016 19:56 | 64 |
| 11/9/2016 18:56 | 63 | 13/9/2016 20:01 | 64 |
| 11/9/2016 19:01 | 64 | 13/9/2016 20:06 | 65 |
| 11/9/2016 19:06 | 64 | 13/9/2016 20:11 | 64 |
| 11/9/2016 19:11 | 64 | 13/9/2016 20:16 | 64 |
| 11/9/2016 19:16 | 64 | 13/9/2016 20:2 |  |
| 11/9/2016 19:21 | 66 | 13/9/2016 20:26 | 64 |
| 11/9/2016 19:26 | 65 | 13/9/2016 20:31 |  |
| 11/9/2016 19:31 | 64 | 13/9/2016 20:36 | 64 |
| 11/9/2016 19:36 | 64 | 13/9/2016 20:4 | 64 |
| 11/9/2016 19:41 | 64 | 13/9/2016 20:46 |  |
| 11/9/2016 19:46 | 64 | 13/9/2016 20:5 | 16 |
| 11/9/2016 19:51 | 64 | 13/9/2016 20:56 | 65 |
| 11/9/2016 19:56 | 65 | 13/9/2016 21:01 | 65 |
| 11/9/2016 20:01 | 63 | 13/9/2016 21:06 | 64 |
| 11/9/2016 20:06 | 64 | 13/9/2016 21:11 | 65 |
| 11/9/2016 20:11 | 64 | 13/9/2016 21:16 | 65 |
| 11/9/2016 20:16 | 64 | 13/9/2016 21:21 | 64 |
| 11/9/2016 20:21 | 64 | 13/9/2016 21:26 |  |
| 11/9/2016 20:26 | 64 | 13/9/2016 21:31 | 66 |
| 11/9/2016 20:31 | 69 | 13/9/2016 21:36 | 65 |
| 11/9/2016 20:36 | 64 | 13/9/2016 21:4 | 165 |
| 11/9/2016 20:41 | 64 | 13/9/2016 21:46 | 64 |
| 11/9/2016 20:46 | 64 | 13/9/2016 21:5 | 165 |
| 11/9/2016 20:51 | 64 | 13/9/2016 21:56 |  |
| 11/9/2016 20:56 | 64 | 13/9/2016 22:01 | 1 |
| 11/9/2016 21:01 | 64 | 13/9/2016 22:06 |  |
| 11/9/2016 21:06 | 66 | 13/9/2016 22:11 | 65 |
| 11/9/2016 21:11 | 66 | 13/9/2016 22:16 | 64 |
| 11/9/2016 21:16 | 65 | 13/9/2016 22:21 |  |
| 11/9/2016 21:21 | 65 | 13/9/2016 22:26 | 64 |
| 11/9/2016 21:26 | 64 | 13/9/2016 22:31 |  |
| 11/9/2016 21:31 | 65 | 13/9/2016 22:36 | 65 |
| 11/9/2016 21:36 | 65 | 13/9/2016 22:4 | 165 |
| 11/9/2016 21:41 | 65 | 13/9/2016 22:46 | 64 |
| 11/9/2016 21:46 | 65 | 13/9/2016 22:5 | 1 |
| 11/9/2016 21:51 | 65 | 13/9/2016 22:56 | 67 |
| 11/9/2016 21:56 | 65 | 14/9/2016 19:01 | 16 |
| 11/9/2016 22:01 | 65 | 14/9/2016 19:06 | 66 |
| 11/9/2016 22:06 | 65 | 14/9/2016 19:11 | 66 |
| 11/9/2016 22:11 | 65 | 14/9/2016 19:16 | 65 |
| 11/9/2016 22:16 | 65 | 14/9/2016 19:2 | 65 |
| 11/9/2016 22:21 | 65 | 14/9/2016 19:26 | 66 |
| 11/9/2016 22:26 | 65 | 14/9/2016 19:31 | 66 |
| 11/9/2016 22:31 | 65 | 14/9/2016 19:36 | 67 |
| 11/9/2016 22:36 | 65 | 14/9/2016 19:4 | 16 |
| 11/9/2016 22:41 | 65 | 14/9/2016 19:46 | 66 |
| 11/9/2016 22:46 | 65 | 14/9/2016 19:5 |  |
| 11/9/2016 22:51 | 65 | 14/9/2016 19:56 | 65 |
| 11/9/2016 22:56 | 65 | 14/9/2016 20:01 | 65 |
| 12/9/2016 19:01 | 65 | 14/9/2016 20:06 | 65 |
| 12/9/2016 19:06 | 65 | 14/9/2016 20:11 | 66 |
| 12/9/2016 19:11 | 65 | 14/9/2016 20:16 | 66 |
| 12/9/2016 19:16 | 66 | 14/9/2016 20:21 | 66 |
| 12/9/2016 19:21 | 66 | 14/9/2016 20:26 | 65 |
| 12/9/2016 19:26 | 66 | 14/9/2016 20:3 | 65 |
| 12/9/2016 19:31 | 66 | 14/9/2016 20:36 | 65 |
| 12/9/2016 19:36 | 65 | 14/9/2016 20:4 | 65 |
| 12/9/2016 19:41 | 65 | 14/9/2016 20:46 | 65 |
| 12/9/2016 19:46 | 65 | 14/9/2016 20:5 | 65 |
| 12/9/2016 19:51 | 65 | 14/9/2016 20:56 |  |
| 12/9/2016 19:56 | 65 | 14/9/2016 21:01 | 65 |
| 12/9/2016 20:01 | 65 | 14/9/2016 21:06 | 64 |
| 12/9/2016 20:06 | 64 | 14/9/2016 21:11 | 65 |
| 12/9/2016 20:11 | 65 | 14/9/2016 21:16 | 65 |
| 12/9/2016 20:16 | 65 | 14/9/2016 21:2 | 65 |
| 12/9/2016 20:21 | 65 | 14/9/2016 21:26 | 65 |
| 12/9/2016 20:26 | 64 | 14/9/2016 21:3 | 65 |
| 12/9/2016 20:31 | 64 | 14/9/2016 21:36 |  |
| 12/9/2016 20:36 | 64 | 14/9/2016 21:4 | 65 |
| 12/9/2016 20:41 | 65 | 14/9/2016 21:46 | 65 |
| 12/9/2016 20:46 | 65 | 14/9/2016 21:5 | 66 |
| 12/9/2016 20:51 | 64 | 14/9/2016 21:56 | 65 |
| 12/9/2016 20:56 | 64 | 14/9/2016 22:01 | 65 |
| 12/9/2016 21:01 | 65 | 14/9/2016 22:06 | 65 |
| 12/9/2016 21:06 | 64 | 14/9/2016 22:11 | 65 |
| 12/9/2016 21:11 | 64 | 14/9/2016 22:16 | 65 |
| 12/9/2016 21:16 | 64 | 14/9/2016 22:21 | 165 |
| 12/9/2016 21:21 | 65 | 14/9/2016 22:26 | 64 |
| 12/9/2016 21:26 | 64 | 14/9/2016 22:31 | 66 |
| 12/9/2016 21:31 | 65 | 14/9/2016 22:36 | 64 |
| 12/9/2016 21:36 | 64 | 14/9/2016 22:4 |  |
| 12/9/2016 21:41 | 65 | 14/9/2016 22:46 | 65 |
| 12/9/2016 21:46 | 64 | 14/9/2016 22:5 | 65 |
| 12/9/2016 21:51 | 65 | 14/9/2016 22:56 |  |
| 12/9/2016 21:56 | 64 | 15/9/2016 19:01 | 66 |
| 12/9/2016 22:01 | 64 | 15/9/2016 19:06 |  |
| 12/9/2016 22:06 | 64 | 15/9/2016 19:11 |  |
| 12/9/2016 22:11 | 64 | 15/9/2016 19:16 | 65 |
| 12/9/2016 22:16 | 64 | 15/9/2016 19:21 |  |
| 12/9/2016 22:21 | 64 | 15/9/2016 19:26 |  |
| 12/9/2016 22:26 | 64 | 15/9/2016 19:31 |  |
| 12/9/2016 22:31 | 64 | 15/9/2016 19:36 |  |
| 12/9/2016 22:36 | 64 | 15/9/2016 19:4 |  |
| $\begin{aligned} & 12 / 9 / 201622: 41 \\ & 12 / 9 / 201622: 46 \end{aligned}$ |  | 15/9/2016 19:46 15/9/2016 19:5 |  |



18/9/2016 11:11 8/9/2016 $11: 16$ 8/9/2016 11:16 18/9/2016 11:26 65 8/9/2016 11:31 18/9/2016 11:36 18/9/2016 11:41 18/9/2016 11:46 18/9/2016 11:51 8/9/2016 11:56 18/9/2016 12.01 18/9/2016 12:06 64 18/9/2016 12:11 64 18/9/2016 12:16 64 8/9/9/2016 12:21 64 18/9/2016 12.26 18/9/2016 12:31 65 8/9/2016 12.31 18/9/2016 $12: 41$ 8/9/2016 12:41 18/9/2016 12:46 6 18/9/2016 12.56 64 18/9/2016 12:56 64 18/9/2016 13:01 64 8/2016 13:06 64 18/2016 13:11 63 18/9/2016 13:16 63 18/9/2016 13:21 64 8/9/2016 13:26 64 18/9/2016 13:31 64 18/9/2016 13:36 65 18/9/2016 13:41 64 18/9/2016 13:46 65 18/9/2016 13:51 64 18/9/2016 13:56 64 8/9/2016 14.0164 18/9/2016 14:06 64 18/9/2016 14:11 64 8/9/2016 14:16 65 18/9/2016 14:21 64 18/9/2016 14:21 64 18/9/2016 14.2664 18/9/2016 14:31 64 18/9/2016 14:36 64 18/9/2016 14:41 64 18:46 64 18/9/2016 14:51 64 18/9/2016 14:56 64 8/9/2016 15:01 64 18/9/2016 15:06 64 18/9/2016 15:11 64 18/9/2016 15:16 18/9/2016 15:21 6 18/9/2016 15:26 64 18/9/2016 15:31 64 18/9/2016 15:36 64 18/9/2016 15:41 64 18/9/2016 15:46 64 8/9/2016 15:51 64 8/9/2016 15:56 65 18/9/2016 16:01 64 18/9/2016 16:06 64 8/9/2016 16:11 65 8/9/2016 16:16 6 18/9/2016 16:21 65 8/9/2016 16:26 64 18/9/2016 16:31 64 8/9/2016 16:36 64 18/9/2016 16:41 64 18/9/2016 16:46 64 18/9/2016 16:51 64 18/9/2016 16:56 66 18/9/2016 17:01 65 18/9/2016 17:06 64 18/9/2016 17:11 64 18/9/2016 17:16 64 18/9/2016 17.21 18/9/2016 17:26 64 18/9/2016 17:31 65 18/9/2016 17:36 64 18/9/2016 17:41 65 18/9/2016 17:46 64 8/9/2016 17.51 64 18/9/2016 17.56 65 18/9/2016 17:56 65 18/9/2016 18:01 64 18/9/2016 18:06 64 18/9/2016 18:11 64 18/9/2016 18:16 64 18/9/2016 18:21 64 18/9/2016 18:26 64 18/9/2016 18:31 64 18/9/2016 18:36 6 18/9/2016 18:41 18/9/2016 18:46 18/9/2016 18:51 6 18/9/2016 18:56 64 18/9/2016 19:01 64 18/9/2016 19:06 64 8/9/2016 19:11 64 8/9/2016 19:16 64 18/9/2016 19:21 64 18/9/2016 19:26 64 18/9/2016 19:31 64 18/9/2016 19:36 63 18/9/2016 19:41 64 8/9/2016 19:46 63 8/9/2016 19:51 64 18/9/2016 19:56 64 18/9/2016 20:01 64 8/9/2016 20:06 63 18/9/2016 20:11 63

18/9/2016 20:16 64 18/9/2016 20:21 18/9/2016 20:26 65 18/9/2016 20:31 63 18/9/2016 20:36 6 18/9/2016 20:41 6 18/9/2016 20:46 18/9/2016 20:51 8/9/2016 20:56 18/9/2016 21:01 8/9/2016 21:06 18/9/2016 21:11 64 18/9/2016 21:16 18/9/2016 21.21 18/9/2016 21:26 18/9/2016 21:31 63 18/9/2016 21:36 63 18/9/2016 21:41 18/9/2016 21:46 8/9/2016 21:51 8/9/2016 21:56 18/9/2016 22:01 18/9/2016 22:06 18/9/2016 22:11 6 18/9/2016 22:16 6 18/9/2016 22:21 6 18/9/2016 22:26 65 18/9/2016 22:31 6 8/9/2016 22:36 63 8/9/2016 22:41 18/9/2016 22:51 18/9/2016 22:56 19/9/2016 19:01 6 19/9/2016 19:01 66 19/9/2016 19:06 66 19/9/2016 19:11 65 9/9/2016 19:16 9/9/2016 19:21 9/9/2016 19:31 9/9/2016 19:36 19/9/2016 19:41 9/9/2016 19:46 65 19/9/2016 19:51 65 19/9/2016 19:56 64 19/9/2016 20:01 6 19/9/2016 20:06 64 19/9/2016 20:11 65 9/9/2016 20:16 64 19/9/2016 20:21 9/9/2016 20:26 19/9/2016 20:31 6 19/9/2016 20:36 6 9/9/2016 20:41 6 9/9/2016 20:46 19/9/2016 20:51 64 19/9/2016 20:56 65 19/9/2016 21:01 63 9/9/2016 21.06 64 19/9/2016 21:11 63 9/9/2016 21:16 6 19/9/2016 21:16 64 9/9/2016 21:21 63 19/2016 21:26 63 9/916 21:31 6 19/9/2016 21:36 64 9/9/2016 21:41 6 9/9/2016 21:46 63 9/9/2016 21:51 6 9/9/2016 21:56 6 9/9/2016 22:01 6 9/9/2016 22:06 6 19/9/2016 22:11 64 9/9/2016 22:16 6 19/9/2016 22:21 64 9/9/2016 22.26 19/9/2016 22.31 19/9/2016 22:36 64 19/9/2016 22:41 64 19/9/2016 22:46 64 9/9/2016 22.51 6 19/9/2016 22:51 6 20/9/2016 19:01 20/9/2016 19:06 20/9/2016 19:11 65 20/9/2016 19:16 6 20/9/2016 19:21 65 20/9/2016 19:26 65 20/9/2016 19:31 65 20/9/2016 19:36 20/9/2016 19:41 20/9/2016 19:46 20/9/2016 19:51 20/9/2016 20:01 20/9/2016 20:06 20/9/2016 20:11 20/9/2016 20:16 20/9/2016 20:16 20/9/2016 20:21 20/9/2016 20:26 20/9/2016 20:36 20/9/2016 20:41 20/9/2016 20:46 6 20/9/2016 20:51 6 20/9/2016 20:56 64 20/9/2016 21:01 63 20/9/2016 21:06 63 20/9/2016 21:11 64 20/9/2016 21:16 64

20/9/2016 21:21 20/9/2016 21:26 64 20/9/2016 21:31 64 20/9/2016 21:36 63 20/9/2016 21:41 63 20/9/2016 21:46 63 20/9/2016 21:51 64 20/9/2016 21:56 64 20/9/2016 22:01 20/9/2016 22:06 20/9/2016 22:11 64 20/9/2016 22:16 64 20/9/2016 22:21 64 20/9/2016 22:26 64 20/9/2016 22:31 64 20/9/2016 22:36 64 20/9/2016 22:41 20/9/2016 22:46 63 20/9/2016 22:51 65 20/9/2016 22:56 21/9/2016 19:01 21/9/2016 19:06 $21 / 9 / 201619: 1165$
$21 / 9 / 201619: 16$ 21/9/2016 19:16 66 21/9/2016 19:21 66 21/9/2016 19:26 66 21/9/2016 19:31 66 21/9/2016 19:36 65 21/9/2016 19:41 21/9/2016 19:46 21/9/2016 19:56 21/9/2016 20:01 64 21/9/2016 20:06 64 21/9/2016 20:11 65 21/9/2016 20:16 65 21/9/2016 20:21 6 21/9/2016 20:26 21/9/2016 20:31 21/9/2016 20:36 21/9/2016 20:41 64 21/9/2016 20:51 64 21/9/2016 20:56 65 21/9/2016 21:01 65 21/9/2016 21:06 64 21/9/2016 21:11 21/9/2016 21:16 66 21/9/2016 21:21 21/9/2016 21:26 21/9/2016 21:36 21/9/2016 21:41 64 21/9/2016 21:46 64 21/9/2016 21:51 64 21/9/2016 21:56 64 21/9/2016 22:01 65 21/9/2016 22:06 64 21/9/2016 22:11 65 21/9/2016 22:16 21/9/2016 22:21 21/9/2016 22:26 21/9/2016 22:31 64 21/9/2016 22:36 64 21/9/2016 22:41 64 21/9/2016 22:46 64 21/9/2016 22:51 64 21/9/2016 22:56 64 22/9/2016 19:01 66 22/9/2016 19:06 22/9/2016 19:11 22/9/2016 19:16 22/9/2016 19:21 66 22/9/2016 19:26 66
$22 / 9 / 2016 ~ 19: 31$ 22/9/2016 19:31
22/9/2016 19:36 22/9/2016 19:36 6
22/9/2016 19:41 22/9/2016 19:46 65 22/9/2016 19:51 22/9/2016 19:56 22/9/2016 20:01 22/9/2016 20:06 22/9/2016 20:11 65 22/9/2016 20:16 64 22/9/2016 20:21 65 22/9/2016 20:26 65 22/9/2016 20:31 64 22/9/2016 20:36 22/9/2016 20:41 22/9/2016 20:46 22/9/2016 20:56 22/9/2016 21:01 22/9/2016 21:06 22/9/2016 21:11 65 22/9/2016 21:16 64 22/9/2016 21:21 65 22/9/2016 21:26 64 22/9/2016 21:31 6 22/9/2016 21:36 22/9/2016 21:41 22/9/2016 21:46 22/2016 21:51 22/9/2016 22:01 64 22/9/2016 22:01 65 22/9/2016 22:11 64 22/9/2016 22:16 65 22/9/2016 22:21 64

| Real-time Noise Data |  | RTN1 (Food and En | viron | Departm |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 22/9/2016 22:26 | 64 | 25/9/2016 7:31 | 64 | 25/9/2016 16:36 | 64 |
| 22/9/2016 22:31 | 64 | 25/9/2016 7:36 | 64 | 25/9/2016 16:41 | 65 |
| 22/9/2016 22:36 | 63 | 25/9/2016 7:41 | 63 | 25/9/2016 16:46 | 65 |
| 22/9/2016 22:41 | 64 | 25/9/2016 7:46 | 63 | 25/9/2016 16:51 | 65 |
| 22/9/2016 22:46 | 64 | 25/9/2016 7:51 | 63 | 25/9/2016 16:56 | 65 |
| 22/9/2016 22:51 | 64 | 25/9/2016 7:56 | 63 | 25/9/2016 17:01 | 64 |
| 22/9/2016 22:56 | 65 | 25/9/2016 8:01 | 63 | 25/9/2016 17:06 | 65 |
| 23/9/2016 19:01 | 65 | 25/9/2016 8:06 | 63 | 25/9/2016 17:11 | 64 |
| 23/9/2016 19:06 | 66 | 25/9/2016 8:11 | 63 | 25/9/2016 17:16 | 65 |
| 23/9/2016 19:11 | 66 | 25/9/2016 8:16 | 64 | 25/9/2016 17:21 | 65 |
| 23/9/2016 19:16 | 66 | 25/9/2016 8:21 | 64 | 25/9/2016 17:26 | 64 |
| 23/9/2016 19:21 | 66 | 25/9/2016 8:26 | 64 | 25/9/2016 17:31 | 65 |
| 23/9/2016 19:26 | 66 | 25/9/2016 8:31 | 64 | 25/9/2016 17:36 | 65 |
| 23/9/2016 19:31 | 66 | 25/9/2016 8:36 | 64 | 25/9/2016 17:41 | 65 |
| 23/9/2016 19:36 | 64 | 25/9/2016 8:41 | 64 | 25/9/2016 17:46 | 64 |
| 23/9/2016 19:41 | 64 | 25/9/2016 8:46 | 64 | 25/9/2016 17:51 | 65 |
| 23/9/2016 19:46 | 65 | 25/9/2016 8:51 | 64 | 25/9/2016 17:56 | 64 |
| 23/9/2016 19:51 | 65 | 25/9/2016 8:56 | 64 | 25/9/2016 18:01 | 65 |
| 23/9/2016 19:56 | 65 | 25/9/2016 9:01 | 64 | 25/9/2016 18:06 | 65 |
| 23/9/2016 20:01 | 65 | 25/9/2016 9:06 | 64 | 25/9/2016 18:11 | 64 |
| 23/9/2016 20:06 | 64 | 25/9/2016 9:11 | 65 | 25/9/2016 18:16 | 64 |
| 23/9/2016 20:11 | 64 | 25/9/2016 9:16 | 65 | 25/9/2016 18:21 | 65 |
| 23/9/2016 20:16 | 64 | 25/9/2016 9:21 | 65 | 25/9/2016 18:26 | 64 |
| 23/9/2016 20:21 | 64 | 25/9/2016 9:26 | 64 | 25/9/2016 18:31 | 64 |
| 23/9/2016 20:26 | 64 | 25/9/2016 9:31 | 64 | 25/9/2016 18:36 | 64 |
| 23/9/2016 20:31 | 64 | 25/9/2016 9:36 | 65 | 25/9/2016 18:41 | 64 |
| 23/9/2016 20:36 | 65 | 25/9/2016 9:41 | 66 | 25/9/2016 18:46 | 64 |
| 23/9/2016 20:41 | 64 | 25/9/2016 9:46 | 65 | 25/9/2016 18:51 | 64 |
| 23/9/2016 20:46 | 64 | 25/9/2016 9:51 | 64 | 25/9/2016 18:56 | 64 |
| 23/9/2016 20:51 | 64 | 25/9/2016 9:56 | 65 | 25/9/2016 19:01 | 64 |
| 23/9/2016 20:56 | 64 | 25/9/2016 10:01 | 64 | 25/9/2016 19:06 | 63 |
| 23/9/2016 21:01 | 64 | 25/9/2016 10:06 | 64 | 25/9/2016 19:11 | 64 |
| 23/9/2016 21:06 | 64 | 25/9/2016 10:11 | 64 | 25/9/2016 19:16 | 64 |
| 23/9/2016 21:11 | 65 | 25/9/2016 10:16 | 65 | 25/9/2016 19:21 | 64 |
| 23/9/2016 21:16 | 64 | 25/9/2016 10:21 | 64 | 25/9/2016 19:26 | 64 |
| 23/9/2016 21:21 | 65 | 25/9/2016 10:26 | 65 | 25/9/2016 19:31 | 64 |
| 23/9/2016 21:26 | 65 | 25/9/2016 10:31 | 65 | 25/9/2016 19:36 | 64 |
| 23/9/2016 21:31 | 65 | 25/9/2016 10:36 | 64 | 25/9/2016 19:41 | 64 |
| 23/9/2016 21:36 | 64 | 25/9/2016 10:41 | 64 | 25/9/2016 19:46 | 64 |
| 23/9/2016 21:41 | 64 | 25/9/2016 10:46 | 64 | 25/9/2016 19:51 | 64 |
| 23/9/2016 21:46 | 64 | 25/9/2016 10:51 | 64 | 25/9/2016 19:56 | 64 |
| 23/9/2016 21:51 | 64 | 25/9/2016 10:56 | 64 | 25/9/2016 20:01 | 64 |
| 23/9/2016 21:56 | 64 | 25/9/2016 11:01 | 64 | 25/9/2016 20:06 | 65 |
| 23/9/2016 22:01 | 65 | 25/9/2016 11:06 | 64 | 25/9/2016 20:11 | 63 |
| 23/9/2016 22:06 | 64 | 25/9/2016 11:11 | 63 | 25/9/2016 20:16 | 64 |
| 23/9/2016 22:11 | 65 | 25/9/2016 11:16 | 64 | 25/9/2016 20:21 | 64 |
| 23/9/2016 22:16 | 64 | 25/9/2016 11:21 | 64 | 25/9/2016 20:26 | 64 |
| 23/9/2016 22:21 | 64 | 25/9/2016 11:26 | 64 | 25/9/2016 20:31 | 64 |
| 23/9/2016 22:26 | 65 | 25/9/2016 11:31 | 64 | 25/9/2016 20:36 | 64 |
| 23/9/2016 22:31 | 64 | 25/9/2016 11:36 | 64 | 25/9/2016 20:41 | 64 |
| 23/9/2016 22:36 | 65 | 25/9/2016 11:41 | 64 | 25/9/2016 20:46 | 64 |
| 23/9/2016 22:41 | 65 | 25/9/2016 11:46 | 64 | 25/9/2016 20:51 | 63 |
| 23/9/2016 22:46 | 64 | 25/9/2016 11:51 | 64 | 25/9/2016 20:56 | 64 |
| 23/9/2016 22:51 | 64 | 25/9/2016 11:56 | 64 | 25/9/2016 21:01 | 64 |
| 23/9/2016 22:56 | 64 | 25/9/2016 12:01 | 64 | 25/9/2016 21:06 | 64 |
| 24/9/2016 19:01 | 65 | 25/9/2016 12:06 | 63 | 25/9/2016 21:11 | 64 |
| 24/9/2016 19:06 | 64 | 25/9/2016 12:11 | 63 | 25/9/2016 21:16 | 64 |
| 24/9/2016 19:11 | 64 | 25/9/2016 12:16 | 64 | 25/9/2016 21:21 | 64 |
| 24/9/2016 19:16 | 64 | 25/9/2016 12:21 | 64 | 25/9/2016 21:26 | 65 |
| 24/9/2016 19:21 | 64 | 25/9/2016 12:26 | 64 | 25/9/2016 21:31 | 64 |
| 24/9/2016 19:26 | 64 | 25/9/2016 12:31 | 65 | 25/9/2016 21:36 | 65 |
| 24/9/2016 19:31 | 64 | 25/9/2016 12:36 | 64 | 25/9/2016 21:41 | 64 |
| 24/9/2016 19:36 | 64 | 25/9/2016 12:41 | 64 | 25/9/2016 21:46 | 64 |
| 24/9/2016 19:41 | 64 | 25/9/2016 12:46 | 64 | 25/9/2016 21:51 | 64 |
| 24/9/2016 19:46 | 64 | 25/9/2016 12:51 | 64 | 25/9/2016 21:56 | 64 |
| 24/9/2016 19:51 | 64 | 25/9/2016 12:56 | 64 | 25/9/2016 22:01 | 63 |
| 24/9/2016 19:56 | 64 | 25/9/2016 13:01 | 64 | 25/9/2016 22:06 | 64 |
| 24/9/2016 20:01 | 64 | 25/9/2016 13:06 | 64 | 25/9/2016 22:11 | 64 |
| 24/9/2016 20:06 | 64 | 25/9/2016 13:11 | 64 | 25/9/2016 22:16 | 64 |
| 24/9/2016 20:11 | 64 | 25/9/2016 13:16 | 63 | 25/9/2016 22:21 | 64 |
| 24/9/2016 20:16 | 64 | 25/9/2016 13:21 | 63 | 25/9/2016 22:26 | 64 |
| 24/9/2016 20:21 | 64 | 25/9/2016 13:26 | 63 | 25/9/2016 22:31 | 64 |
| 24/9/2016 20:26 | 64 | 25/9/2016 13:31 | 64 | 25/9/2016 22:36 | 64 |
| 24/9/2016 20:31 | 64 | 25/9/2016 13:36 | 64 | 25/9/2016 22:41 | 64 |
| 24/9/2016 20:36 | 64 | 25/9/2016 13:41 | 64 | 25/9/2016 22:46 |  |
| 24/9/2016 20:41 | 64 | 25/9/2016 13:46 | 64 | 25/9/2016 22:51 | 63 |
| 24/9/2016 20:46 | 64 | 25/9/2016 13:51 | 64 | 25/9/2016 22:56 | 63 |
| 24/9/2016 20:51 | 63 | 25/9/2016 13:56 | 64 | 26/9/2016 19:01 | 65 |
| 24/9/2016 20:56 | 64 | 25/9/2016 14:01 | 64 | 26/9/2016 19:06 | 65 |
| 24/9/2016 21:01 | 63 | 25/9/2016 14:06 | 64 | 26/9/2016 19:11 | 66 |
| 24/9/2016 21:06 | 64 | 25/9/2016 14:11 | 64 | 26/9/2016 19:16 | 66 |
| 24/9/2016 21:11 | 64 | 25/9/2016 14:16 | 64 | 26/9/2016 19:21 | 65 |
| 24/9/2016 21:16 | 64 | 25/9/2016 14:21 | 64 | 26/9/2016 19:26 | 65 |
| 24/9/2016 21:21 | 64 | 25/9/2016 14:26 | 64 | 26/9/2016 19:31 | 65 |
| 24/9/2016 21:26 | 64 | 25/9/2016 14:31 | 64 | 26/9/2016 19:36 | 64 |
| 24/9/2016 21:31 | 64 | 25/9/2016 14:36 | 64 | 26/9/2016 19:41 | 64 |
| 24/9/2016 21:36 | 64 | 25/9/2016 14:41 | 64 | 26/9/2016 19:46 | 64 |
| 24/9/2016 21:41 | 64 | 25/9/2016 14:46 | 64 | 26/9/2016 19:51 | 64 |
| 24/9/2016 21:46 | 64 | 25/9/2016 14:51 | 64 | 26/9/2016 19:56 | 64 |
| 24/9/2016 21:51 | 64 | 25/9/2016 14:56 | 64 | 26/9/2016 20:01 | 64 |
| 24/9/2016 21:56 | 64 | 25/9/2016 15:01 | 64 | 26/9/2016 20:06 | 64 |
| 24/9/2016 22:01 | 64 | 25/9/2016 15:06 | 64 | 26/9/2016 20:11 | 64 |
| 24/9/2016 22:06 | 64 | 25/9/2016 15:11 | 64 | 26/9/2016 20:16 |  |
| 24/9/2016 22:11 | 66 | 25/9/2016 15:16 | 64 | 26/9/2016 20:21 | 64 |
| 24/9/2016 22:16 | 66 | 25/9/2016 15:21 | 65 | 26/9/2016 20:26 | 64 |
| 24/9/2016 22:21 | 64 | 25/9/2016 15:26 | 64 | 26/9/2016 20:31 | 64 |
| 24/9/2016 22:26 | 65 | 25/9/2016 15:31 | 64 | 26/9/2016 20:36 | 64 |
| 24/9/2016 22:31 | 64 | 25/9/2016 15:36 | 64 | 26/9/2016 20:41 |  |
| 24/9/2016 22:36 | 64 | 25/9/2016 15:41 | 64 | 26/9/2016 20:46 | 64 |
| 24/9/2016 22:41 | 64 | 25/9/2016 15:46 | 65 | 26/9/2016 20:51 | 63 |
| 24/9/2016 22:46 | 64 | 25/9/2016 15:51 | 64 | 26/9/2016 20:56 | 64 |
| 24/9/2016 22:51 | 64 | 25/9/2016 15:56 | 64 | 26/9/2016 21:01 | 63 |
| 24/9/2016 22:56 | 64 | 25/9/2016 16:01 | 64 | 26/9/2016 21:06 | 63 |
| 25/9/2016 7:01 | 63 | 25/9/2016 16:06 | 64 | 26/9/2016 21:11 | 63 |
| 25/9/2016 7:06 | 63 | 25/9/2016 16:11 | 64 | 26/9/2016 21:16 | 63 |
| 25/9/2016 7:11 | 63 | 25/9/2016 16:16 | 64 | 26/9/2016 21:21 |  |
| 25/9/2016 7:16 | 63 | 25/9/2016 16:21 | 65 | 26/9/2016 21:26 | 63 |
| $\begin{aligned} & \text { 25/9/2016 7:21 } \\ & \text { 25/9/2016 7:26 } \end{aligned}$ | 63 63 | 25/9/2016 16:26 | $\begin{aligned} & 64 \\ & 64 \end{aligned}$ | 26/9/2016 21:31 |  |

26/9/2016 21:41 63 26/9/2016 21:46 6 $\begin{array}{lll}26 / 9 / 2016 & 21: 51 & 63 \\ 26 / 9 / 2016 & 21: 56 & 64\end{array}$ 26/9/2016 21:56 64 26/9/2016 22:01 63 26/9/2016 22:06 63 26/9/2016 22:11 63 26/9/2016 22:16 64 26/9/2016 22:21 63 26/9/2016 22:26 64 26/9/2016 22:31 63 $\begin{array}{ll}26 / 9 / 2016 & 22: 36 \\ 63\end{array}$ $\begin{array}{ll}26 / 9 / 2016 & 22: 36 \\ 26 / 9 / 2016 & 22: 41 \\ 63\end{array}$ 26/9/2016 22:41 63 $\begin{array}{ll}26 / 9 / 2016 & 22: 46 \\ 26 & 63 \\ 26 & 2016 \\ 22: 51 & 63\end{array}$ 26/9/2016 22:56 63

Night time: 23:00-07:00
27/8/2016 0:01 6 27/8/2016 0:06 27/8/2016 0:11 27/8/2016 0:16 27/8/2016 0:21 27/8/2016 0:26 27/8/2016 0:31 27/8/2016 0:36 27/8/2016 0:41 27/8/2016 0:46 27/8/2016 0:51 27/8/2016 0.56 27/8/2016 1:01 27/8/2016 1:01 27/8/2016 1:06 27/8/2016 1:11 27/8/2016 1:16 27/8/2016 1:21 27/8/2016 1:26 $27 / 8 / 20161: 31$
$27 / 8 / 20161: 36$ 27/8/2016 1:36 27/8/2016 1:41 27/8/2016 1:46 27/8/2016 1:51 27/8/2016 1:56 27/8/2016 2:01 27/8/2016 2:06 27/8/2016 2:11 27/8/2016 2:16 27/8/2016 2:21 27/8/2016 2:26 27/8/2016 2:36 27/8/2016 2:41 27/8/2016 2:46 27/8/2016 2:46 $27 / 8 / 20162: 51$
$27 / 8 / 20162.56$ 27/8/2016 2:56 27/8/2016 3:01 27/8/2016 3:06
27/8/2016 3:11 $27 / 8 / 20163: 11$
27/8/2016 3:16 27/8/2016 3:21 27/8/2016 3:21 27/8/2016 3:26 27/8/2016 3:31 27/8/2016 3:36 27/8/2016 3:41 27/8/2016 3:46 27/8/2016 3:51 27/8/2016 3:56 27/8/2016 4:01 27/8/2016 4:06 27/8/2016 4:11 27/8/2016 4:16 27/8/2016 4:21 27/8/2016 4:26 27/8/2016 4:26 $27 / 8 / 20164: 31$
$27 / 8 / 20164: 36$ 27/8/2016 4:36 27/8/2016 4:41
27/8/2016 4:46 27/8/2016 4:46 27/8/2016 4:51
$27 / 8 / 20164: 56$ 27/8/2016 4:56 27/8/2016 5:01 27/8/2016 5:06 27/8/2016 5:11 27/8/2016 5:16 27/8/2016 5:21 27/8/2016 5:26 27/8/2016 5:31 27/8/2016 5:36 27/8/2016 5:41 27/8/2016 5:46 27/8/2016 5:51 27/8/2016 5:56 27/8/2016 6:01 27/8/2016 6:06 27/8/2016 6:11 27/8/2016 6:16 27/8/2016 6:21 27/8/2016 6:21 27/8/2016 6:26 27/8/2016 6:36 27/8/2016 6:41 27/8/2016 6:41 27/8/2016 6:46 27/8/2016 6:51 27/8/2016 6:56 27/8/2016 23:01 62 27/8/2016 23:06 62 27/8/2016 23:11 61 27/8/2016 23:16 61
27/8/2016 23:21 60
27/8/2016 23:26 60

27/8/2016 23:31 61 27/8/2016 23:36 60 27/8/2016 23:41
27/8/2016 $23: 46$
27 27/8/2016 23:46 61 27/8/2016 23:51 63 27/8/2016 23:56 6 28/8/2016 0:01 28/8/2016 0:06 28/8/2016 0:11 28/8/2016 0:16 28/8/2016 0:21 28/8/2016 0:26 28/8/2016 0:31 28/8/2016 0:36 28/8/2016 0:41 28/8/2016 0:46 28/8/2016 0:56 28/8/2016 1:01 28/8/2016 1:06 28/8/2016 1:11 $28 / 8 / 20161: 16$
$28 / 8 / 20161: 21$ 28/8/2016 1:21 28/8/2016 1:31 28/8/2016 1:36 28/8/2016 1:41 $28 / 8 / 20161: 46$
$28 / 8 / 20161: 51$ 28/8/2016 1:56 28/8/2016 2:01 28/8/2016 2:06 28/8/2016 2:11 28/8/2016 2:16 28/8/2016 2:21 28/8/2016 2:26 28/8/2016 2:36 28/8/2016 2:41 28/8/2016 2:46 28/8/2016 2:56 28/8/2016 3:01 28/8/2016 3:06 28/8/2016 3:11 28/8/2016 3:16 28/8/2016 3:21 28/8/2016 3:26 28/8/2016 3:36 28/8/2016 3:41 28/8/2016 3:46 28/8/2016 3:51 28/8/2016 3:56 28/8/2016 4:01 28/8/2016 4:06 28/8/2016 4:11 28/8/2016 4:21 28/8/2016 4:26 28/8/2016 4:31 $28 / 8 / 20164: 36$
$28 / 8 / 20164: 41$ $28 / 8 / 20164: 41$
$28 / 8 / 20164: 46$ $28 / 8 / 20164: 46$
$28 / 8 / 20164: 51$ $28 / 8 / 20164: 51$
$28 / 8 / 20164: 56$ 28/8/2016 5:01 28/8/2016 5:06 28/8/2016 5:16 28/8/2016 5:21 28/8/2016 5:26 28/8/2016 5:31 28/8/2016 5:36 28/8/2016 5:41 28/8/2016 5:46 28/8/2016 5:51 28/8/2016 5:56 28/8/2016 6:06 28/8/2016 6:11 28/8/2016 6:16 28/8/2016 6:21 $28 / 8 / 20166: 26$
$28 / 8 / 20166: 31$ 28/8/2016 6:31 28/8/2016 6:36 $28 / 8 / 20166: 41$
$28 / 8 / 2016$
$6: 46$ 28/8/2016 6:46 28/8/2016 6:51 28/8/2016 23:01 28/8/2016 23:06 28/8/2016 23:11 6 28/8/2016 23:16 6 28/8/2016 23:21 60 28/8/2016 23.26 59 28/8/2016 23:26 5 28/8/2016 23:36 58 28/8/2016 23:36 28/8/2016 23:46 28/8/2016 23:51 28/8/2016 23:56 29/8/2016 0:01 29/8/2016 0:06
29/8/2016 0:11 $\begin{array}{ll}29 / 8 / 2016 & 0: 11 \\ 29 / 8 / 2016 & 58 \\ & 55\end{array}$ $\begin{array}{ll}29 / 8 / 2016 & 0: 16 \\ \text { 29/8/2016 0:21 } & 57\end{array}$ 29/8/2016 0:26 57 29/8/2016 0:31 51



RTN1（Food and Environmental Hygiene Department Depot）
 31／8／2016 6：56 $31 / 8 / 2016$ 23：01
$31 / 8 / 201623: 06$ $31 / 8 / 2016$ 23：06
$31 / 8 / 2016$
$31 / 8 / 23: 16$ $31 / 8 / 2016$ 23：16
$31 / 8 / 2016$ 23：21 $31 / 8 / 2016$ 23：2
$31 / 8 / 201623: 26$ $31 / 8 / 2016$ 23：31
$31 / 8 / 2016$ 23：36 31／8／2016 23：41 31／8／2016 23：46 31／8／2016 23：51 1／9／2016 0：01 1／9／2016 0：06 1／9／2016 0：11 1／9／2016 0：16 $1 / 9 / 20160: 21$
$1 / 9 / 20160: 26$ 1／9／2016 0：31 1／9／2016 0：36 1／9／2016 0：41
1／9／2016 0：46 1／9／2016 0：51 1／9／2016 0：51
1／9／2016 0：56 1／9／2016 0：56
1／9／2016 1：01 1／9／2016 1：01 1／9／2016 1：11 1／9／2016 1：16
1／9／2016 1.21 1／9／2016 1：21 1／9／2016 1：26
1／9／2016 1：31 1／9／2016 1：36 1／9／2016 1：41 1／9／2016 1：46 1／9／2016 1：51 1／9／2016 1：56 1／9／2016 2：01 1／9／2016 2：06 1／9／2016 2：16 1／9／2016 2：21 1／9／2016 2：26 1／9／2016 2：31
1／9／2016 2：36 1／9／2016 2：36 1／9／2016 2：41
$1 / 9 / 20162: 46$ 1／9／2016 2：46
1／9／2016 2：51 1／9／2016 2：56 1／9／2016 3：01 1／9／2016 3：06 1／9／2016 3：16 1／9／2016 3：21 1／9／2016 3：26 1／9／2016 3：31 1／9／2016 3：36 1／9／2016 3：46

> 1／9／2016 3：51 61
62
61 1／9／2016 4：06 1／9／2016 4：11 1／9／2016 4：21 1／9／2016 4：26 1／9／2016 4：31 $1 / 9 / 20164: 36$
$1 / 9 / 20164: 41$ 1／9／2016 4：41 1／9／2016 4：46 1／9／2016 4：51 1／9／2016 $4: 56$
$1 / 9 / 20165: 01$ 1／9／2016 5：06 1／9／2016 5：11 1／9／2016 5：16 1／9／2016 5：21
1／9／2016 5：26 1／9／2016 5：26 1／9／2016 5：36 1／9／2016 5：41 1／9／2016 5：46 1／9／2016 5：51 1／9／2016 5：56 $1 / 9 / 20166: 01$
$1 / 9 / 20166.06$ 1／9／2016 6：11 1／9／2016 6：16 1／9／2016 6：21 1／9／2016 6：26
1／9／2016 6：31 1／9／2016 6：31 1／9／2016 6：36 $1 / 9 / 20166: 41$
1／9016 6：46 1／9／2016 6：46
1／9／2016 6：51 1／9／2016 6：56 1／9／2016 23：01 1／9／2016 23：06 1／9／2016 23：11
1／9／2016 23：16 1／9／2016 23：16
1／9／2016 23：21 1／9／2016 23：26 1／9／2016 23：31 1／9／2016 23：36 1／9／2016 23：41 1／9／2016 23：46 1／9／2016 $23: 56$ 2／9／2016 0：01 2／9／2016 0：06 2／9／2016 0：11 2／9／2016 0：16 2／9／2016 0：21 2／9／2016 0：26 2／9／2016 0：31
2／9／2016 0：36 2／9／2016 0：36
2／9／2016 0：41 2／9／2016 0：41
2／9／2016 0：46 2／9／2016 0：46
2／9／2016 0：51 2／9／2016 0：51
2／9／2016 0：56 2／9／2016 1：01
2／9／2016 106 2／9／2016 1：06 2／9／2016 1：11 2／9／2016 1：16 2／9／2016 1：21 2／9／2016 1：26
2／9／2016 1：31 2／9／2016 1：36 2／9／2016 1：41 2／9／2016 1：46
2／9／2016 1：51 2／9／2016 1：56 2／9／2016 $2: 01$ 2／9／2016 2：06 2／9／2016 2：11 2／9／2016 2：16 2／9／2016 2：21
2／9／2016 2：26 2／9／2016 2：26
2／9／2016 2：31 2／9／2016 2：36 2／9／2016 2：41
2／9／2016 2：46 2／9／2016 2：51 2／9／2016 2：56 2／9／2016 3：01 2／9／2016 3：06 2／9／2016 3：11 2／9／2016 3：16 2／9／2016 3：21 2／9／2016 3：26 2／9／2016 3：31 2／9／2016 3：36
2／9／2016 $3: 41$ 2／9／2016 3：41
2／9／2016 $3: 46$ 2／9／2016 3：46
2／9／2016 $3: 51$ 2／9／2016 3：51
2／9／2016 $3: 56$ 2／9／2016 3：56
2／9／2016 4：01 2／9／2016 4：01
2／9／2016 4：06 2／9／2016 4：11 2／9／2016 4：16 2／9／2016 4：21
2／9／2016 4：26 2／9／2016 4：31 2／9／2016 4：36
2／9／2016 4：41 2／9／2016 4：41
2／9／2016 4：46 2／9／2016 4：51

## 2／9／2016 4：56

 2016 4.56 2／9／2016 5：01 2／9／2016 5：06 2／9／2016 5：11 $2 / 9 / 20165: 16$$2 / 9 / 20165: 21$ 2／9／2016 5：26 2／9／2016 5：31 2／9／2016 5：36 2／9／2016 5：41
2／9／2016 5：46 2／9／2016 5：46
2／9／2016 5：51 2／9／2016 5：51
2／9／2016 5：56 2／9／2016 5：56
2／9／2016 6：01 2／9／2016 6：01
2／9／2016 6：06 2／9／2016 6：11 2／9／2016 6：16
2／9／2016 6：21 2／9／2016 6：21 2／9／2016 6：26 2／9／2016 6：36 2／9／2016 6：41 2／9／2016 6：46
2／9／2016 6：51 2／9／2016 6：56 2／9／2016 23：01 2／9／2016 23：06 2／9／2016 23：11 2／9／2016 23：16

のはのロー 2／9／2016 23：26 2／9／2016 23：31
2／9／2016 23：36 2／9／2016 23：41 2／9／2016 23：46 2／9／2016 23：51 2／9／2016 23：56 3／9／2016 0：01 3／9／2016 0：06 3／9／2016 0：11 3／9／2016 0：16 $3 / 9 / 20160: 21$
$3 / 9 / 20160: 26$ 3／9／2016 0：31 3／9／2016 0：36 3／9／2016 0：41 $3 / 9 / 20160: 46$
$3 / 9 / 20160: 51$ 3／9／2016 0：56 3／9／2016 1：01 3／9／2016 1：06 3／9／2016 1：11 $3 / 9 / 20161: 16$
$3 / 9 / 2016$ 1：21 $3 / 9 / 20161: 21$
$3 / 9 / 2016$
1 3／9／2016 1：31 3／9／2016 1：36 3／9／2016 1：41 $3 / 9 / 20161: 46$
$3 / 9 / 20161: 51$ 3／9／2016 1：56 3／9／2016 2：01 3／9／2016 2：06 $3 / 9 / 20162: 11$
$3 / 9 / 20162: 16$ $3 / 9 / 20162: 16$
$3 / 9 / 20162: 21$ 3／9／2016 2：26 $3 / 9 / 20162: 31$
$3 / 9 / 20162: 36$ $3 / 9 / 20162: 36$
$3 / 9 / 20162: 41$ 3／9／2016 2：46 3／9／2016 2：51 3／9／2016 2：56 3／9／2016 3：01 3／9／2016 3：06 3／9／2016 3：11 $3 / 9 / 20163: 16$
$3 / 9 / 20163: 21$ $3 / 9 / 20163: 21$
$3 / 9 / 20163: 26$ 3／9／2016 3：31 3／9／2016 3：36 3／9／2016 3：41 3／9／2016 3：46 $3 / 9 / 20163: 51$
$3 / 9 / 20163: 56$ 3／9／2016 4：01 $3 / 9 / 2016$ 4：06
3／9／2016 4：11 3／9／2016 4：16 3／9／2016 4：21 $3 / 9 / 20164: 26$
$3 / 9 / 20164: 31$ $3 / 9 / 20164: 31$
$3: 36$ $3 / 9 / 20164: 36$
$3 / 9 / 20164: 41$ 3／9／2016 4：46 3／9／2016 4：51 $3 / 9 / 2016$ 4：56
$3 / 9 / 20165: 01$ $3 / 9 / 20165: 01$
$3 / 9 / 20165: 06$ 3／9／2016 5：11 3／9／2016 5：16 3／9／2016 5：26 3／9／2016 5：31 $3 / 9 / 20165: 36$
$3 / 9 / 20165: 41$ 3／9／2016 5：46 $3 / 9 / 20165: 5$
$3 / 9 / 20165: 5$ 49

|  |  |
| :---: | :---: |
| 016 |  |
| 9／2016 23：1 |  |
|  |  |
| 9／2 |  |
| ， |  |
|  |  |
| ／9／2016 23：4 |  |
| ／201 |  |
|  |  |
| 9／2016 23：56 |  |
| 2016 |  |
| ／2016 0：0 |  |
| 9／2016 0：11 |  |
| ， |  |
| ／2016 0：2 |  |
| 5／9／2016 0：26 |  |
| 研 |  |
| ／2016 0：36 |  |
| ／201 |  |
| ／2016 0：4 |  |
| 9／2016 0：51 |  |
| 201 |  |
| ／2016 1：01 |  |
| ／2016 1：06 |  |
| 2016 |  |
| ／9／2016 1：16 |  |
| 9／2016 1：2 |  |
| 2016 1：2 |  |
| 9／2016 1：31 |  |
| ／201 |  |
| ／2016 1：4 |  |
| 9／2016 1：46 |  |
| ／2016 1：51 |  |
| 2016 |  |
| ／2016 2：01 |  |
| 2016 |  |
| 9／2016 2：11 |  |
| 9／2016 2：16 |  |
| 2016 2：21 |  |
| ／9／2016 2：26 |  |
| ／2016 2：31 |  |
| 2016 2：36 |  |
| ／2016 2：41 |  |
| 016 |  |
| ／2016 2：51 |  |
| 9／2016 2：56 |  |
| 01 |  |
| ／9／2016 3：06 |  |
| ／2016 3：11 |  |
| 2016 3：16 |  |
| ／2016 3：21 |  |
| 2016 |  |
| ／2016 3：3 |  |
| 2016 3：3 |  |
| 2016 3：41 |  |
| 2016 3：46 |  |
| ／9／2016 3：51 |  |
| 2016 3：56 |  |
| ／9／2016 4：01 |  |
| ／2016 4：06 |  |
| 216 |  |
| 9／2016 4：16 |  |
| 201 |  |
| 2016 4：26 |  |
| 2016 4：31 |  |
| 2016 |  |
| 2016 |  |
| 2016 4：46 |  |
|  |  |
| ／2016 4：56 |  |
| 2016 5：01 |  |
| 2016 5：06 |  |
| ／2016 5：11 |  |
| 2016 5：16 |  |
| 01 |  |
| 2016 5：26 |  |
| 2016 5：31 |  |
| 2016 5：36 |  |
| 9／2016 5：41 |  |
| 2016 |  |
| 9／2016 5：51 |  |
| 2016 5：56 |  |
| 2016 6：01 |  |
| 5／9／2016 6：06 |  |
| 2016 6：11 |  |
| 2016 6：16 |  |
| 9／2016 6：21 |  |
| 2016 6：26 |  |
| 9／2016 6：31 |  |
| ／2016 6：36 |  |
| 2016 6：41 |  |
| 5／9／2016 6：46 |  |
| 2016 6：51 |  |
| 9／2016 6：56 |  |
| 9／2016 23：01 |  |
| ／2016 23：01 |  |
| 9／2016 23：11 |  |
| 5／9／2016 23：16 |  |
| 9／2016 23：21 |  |
| 9／2016 23：2 |  |
| 9／2016 23：31 |  |
| ／2016 23：3 |  |
| 19／2016 23：41 |  |
| 9／2016 23：46 |  |
| 2016 23：51 |  |
| 9／2016 23：56 |  |
| $2016 \text { 0:01 }$ |  |


| Real-time Noise | Data | RTN1 (Food and En | viron | iene Department | epot) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6/9/2016 0:11 | 60 | 7/9/2016 1:16 | 55 | 8/9/2016 2:21 | 51 | 9/9/2016 3:26 | 61 | 10/9/2016 4:31 | 61 | 11/9/2016 5:36 | 62 |
| 6/9/2016 0:16 | 60 | 7/9/2016 1:21 | 49 | 8/9/2016 2:26 | 52 | 9/9/2016 3:31 | 61 | 10/9/2016 4:36 | 53 | 11/9/2016 5:41 | 51 |
| 6/9/2016 0:21 | 59 | 7/9/2016 1:26 | 62 | 8/9/2016 2:31 | 62 | 9/9/2016 3:36 | 61 | 10/9/2016 4:41 | 62 | 11/9/2016 5:46 | 51 |
| 6/9/2016 0:26 | 61 | 7/9/2016 1:31 | 47 | 8/9/2016 2:36 | 40 | 9/9/2016 3:41 | 61 | 10/9/2016 4:46 | 62 | 11/9/2016 5:51 | 51 |
| 6/9/2016 0:31 | 58 | 7/9/2016 1:36 | 54 | 8/9/2016 2:41 | 44 | 9/9/2016 3:46 | 61 | 10/9/2016 4:51 | 62 | 11/9/2016 5:56 | 43 |
| 6/9/2016 0:36 | 61 | 7/9/2016 1:41 | 62 | 8/9/2016 2:46 | 62 | 9/9/2016 3:51 | 42 | 10/9/2016 4:56 | 62 | 11/9/2016 6:01 | 52 |
| 6/9/2016 0:41 | 57 | 7/9/2016 1:46 | 62 | 8/9/2016 2:51 | 62 | 9/9/2016 3:56 | 61 | 10/9/2016 5:01 | 39 | 11/9/2016 6:06 | 56 |
| 6/9/2016 0:46 | 57 | 7/9/2016 1:51 | 56 | 8/9/2016 2:56 | 62 | 9/9/2016 4:01 | 62 | 10/9/2016 5:06 | 51 | 11/9/2016 6:11 | 55 |
| 6/9/2016 0:51 | 59 | 7/9/2016 1:56 | 54 | 8/9/2016 3:01 | 62 | 9/9/2016 4:06 | 61 | 10/9/2016 5:11 | 62 | 11/9/2016 6:16 | 53 |
| 6/9/2016 0:56 | 56 | 7/9/2016 2:01 | 54 | 8/9/2016 3:06 | 62 | 9/9/2016 4:11 | 61 | 10/9/2016 5:16 | 47 | 11/9/2016 6:21 | 56 |
| 6/9/2016 1:01 | 57 | 7/9/2016 2:06 | 56 | 8/9/2016 3:11 | 54 | 9/9/2016 4:16 | 61 | 10/9/2016 5:21 | 47 | 11/9/2016 6:26 | 56 |
| 6/9/2016 1:06 | 56 | 7/9/2016 2:11 | 48 | 8/9/2016 3:16 | 54 | 9/9/2016 4:21 | 61 | 10/9/2016 5:26 | 53 | 11/9/2016 6:31 | 57 |
| 6/9/2016 1:11 | 55 | 7/9/2016 2:16 | 52 | 8/9/2016 3:21 | 62 | 9/9/2016 4:26 | 61 | 10/9/2016 5:31 | 54 | 11/9/2016 6:36 | 58 |
| 6/9/2016 1:16 | 50 | 7/9/2016 2:21 | 51 | 8/9/2016 3:26 | 61 | 9/9/2016 4:31 | 61 | 10/9/2016 5:36 | 46 | 11/9/2016 6:41 | 59 |
| 6/9/2016 1:21 | 48 | 7/9/2016 2:26 | 62 | 8/9/2016 3:31 | 61 | 9/9/2016 4:36 | 61 | 10/9/2016 5:41 | 49 | 11/9/2016 6:46 | 59 |
| 6/9/2016 1:26 | 56 | 7/9/2016 2:31 | 62 | 8/9/2016 3:36 | 39 | 9/9/2016 4:41 | 61 | 10/9/2016 5:46 | 55 | 11/9/2016 6:51 | 58 |
| 6/9/2016 1:31 | 50 | 7/9/2016 2:36 | 62 | 8/9/2016 3:41 | 62 | 9/9/2016 4:46 | 61 | 10/9/2016 5:51 | 55 | 11/9/2016 6:56 | 55 |
| 6/9/2016 1:36 | 55 | 7/9/2016 2:41 | 61 | 8/9/2016 3:46 | 61 | 9/9/2016 4:51 | 62 | 10/9/2016 5:56 | 55 | 11/9/2016 23:01 | 61 |
| 6/9/2016 1:41 | 53 | 7/9/2016 2:46 | 62 | 8/9/2016 3:51 | 61 | 9/9/2016 4:56 | 62 | 10/9/2016 6:01 | 56 | 11/9/2016 23:06 | 61 |
| 6/9/2016 1:46 | 62 | 7/9/2016 2:51 | 61 | 8/9/2016 3:56 | 61 | 9/9/2016 5:01 | 61 | 10/9/2016 6:06 | 55 | 11/9/2016 23:11 | 61 |
| 6/9/2016 1:51 | 43 | 7/9/2016 2:56 | 62 | 8/9/2016 4:01 | 62 | 9/9/2016 5:06 | 61 | 10/9/2016 6:11 | 56 | 11/9/2016 23:16 | 62 |
| 6/9/2016 1:56 | 45 | 7/9/2016 3:01 | 62 | 8/9/2016 4:06 | 61 | 9/9/2016 5:11 | 62 | 10/9/2016 6:16 | 58 | 11/9/2016 23:21 | 61 |
| 6/9/2016 2:01 | 62 | 7/9/2016 3:06 | 61 | 8/9/2016 4:11 | 61 | 9/9/2016 5:16 | 61 | 10/9/2016 6:21 | 58 | 11/9/2016 23:26 | 59 |
| 6/9/2016 2:06 | 62 | 7/9/2016 3:11 | 61 | 8/9/2016 4:16 | 62 | 9/9/2016 5:21 | 36 | 10/9/2016 6:26 | 58 | 11/9/2016 23:31 | 59 |
| 6/9/2016 2:11 | 50 | 7/9/2016 3:16 | 62 | 8/9/2016 4:21 | 62 | 9/9/2016 5:26 | 53 | 10/9/2016 6:31 | 59 | 11/9/2016 23:36 | 60 |
| 6/9/2016 2:16 | 50 | 7/9/2016 3:21 | 62 | 8/9/2016 4:26 | 61 | 9/9/2016 5:31 | 43 | 10/9/2016 6:36 | 60 | 11/9/2016 23:41 | 59 |
| 6/9/2016 2:21 | 62 | 7/9/2016 3:26 | 61 | 8/9/2016 4:31 | 61 | 9/9/2016 5:36 | 62 | 10/9/2016 6:41 | 60 | 11/9/2016 23:46 | 57 |
| 6/9/2016 2:26 | 50 | 7/9/2016 3:31 | 61 | 8/9/2016 4:36 | 62 | 9/9/2016 5:41 | 43 | 10/9/2016 6:46 | 60 | 11/9/2016 23:51 | 57 |
| 6/9/2016 2:31 | 45 | 7/9/2016 3:36 | 61 | 8/9/2016 4:41 | 61 | 9/9/2016 5:46 | 61 | 10/9/2016 6:51 | 61 | 11/9/2016 23:56 | 57 |
| 6/9/2016 2:36 | 62 | 7/9/2016 3:41 | 61 | 8/9/2016 4:46 | 61 | 9/9/2016 5:51 | 46 | 10/9/2016 6:56 | 60 | 12/9/2016 0:01 | 57 |
| 6/9/2016 2:41 | 61 | 7/9/2016 3:46 | 61 | 8/9/2016 4:51 | 61 | 9/9/2016 5:56 | 54 | 10/9/2016 23:01 | 63 | 12/9/2016 0:06 | 57 |
| 6/9/2016 2:46 | 62 | 7/9/2016 3:51 | 61 | 8/9/2016 4:56 | 61 | 9/9/2016 6:01 | 50 | 10/9/2016 23:06 | 60 | 12/9/2016 0:11 | 57 |
| 6/9/2016 2:51 | 48 | 7/9/2016 3:56 | 61 | 8/9/2016 5:01 | 62 | 9/9/2016 6:06 | 54 | 10/9/2016 23:11 | 60 | 12/9/2016 0:16 | 56 |
| 6/9/2016 2:56 | 61 | 7/9/2016 4:01 | 61 | 8/9/2016 5:06 | 61 | 9/9/2016 6:11 | 58 | 10/9/2016 23:16 | 61 | 12/9/2016 0:21 | 56 |
| 6/9/2016 3:01 | 61 | 7/9/2016 4:06 | 61 | 8/9/2016 5:11 | 62 | 9/9/2016 6:16 | 58 | 10/9/2016 23:21 | 62 | 12/9/2016 0:26 | 53 |
| 6/9/2016 3:06 | 62 | 7/9/2016 4:11 | 61 | 8/9/2016 5:16 | 50 | 9/9/2016 6:21 | 59 | 10/9/2016 23:26 | 61 | 12/9/2016 0:31 | 55 |
| 6/9/2016 3:11 | 62 | 7/9/2016 4:16 | 62 | 8/9/2016 5:21 | 62 | 9/9/2016 6:26 | 59 | 10/9/2016 23:31 | 62 | 12/9/2016 0:36 | 57 |
| 6/9/2016 3:16 | 62 | 7/9/2016 4:21 | 61 | 8/9/2016 5:26 | 62 | 9/9/2016 6:31 | 61 | 10/9/2016 23:36 | 62 | 12/9/2016 0:41 | 51 |
| 6/9/2016 3:21 | 62 | 7/9/2016 4:26 | 61 | 8/9/2016 5:31 | 53 | 9/9/2016 6:36 | 61 | 10/9/2016 23:41 | 62 | 12/9/2016 0:46 | 49 |
| 6/9/2016 3:26 | 61 | 7/9/2016 4:31 | 61 | 8/9/2016 5:36 | 51 | 9/9/2016 6:41 | 62 | 10/9/2016 23:46 | 61 | 12/9/2016 0:51 | 50 |
| 6/9/2016 3:31 | 61 | 7/9/2016 4:36 | 62 | 8/9/2016 5:41 | 53 | 9/9/2016 6:46 | 62 | 10/9/2016 23:51 | 61 | 12/9/2016 0:56 | 49 |
| 6/9/2016 3:36 | 62 | 7/9/2016 4:41 | 61 | 8/9/2016 5:46 | 55 | 9/9/2016 6:51 | 62 | 10/9/2016 23:56 | 62 | 12/9/2016 1:01 | 54 |
| 6/9/2016 3:41 | 61 | 7/9/2016 4:46 | 62 | 8/9/2016 5:51 | 55 | 9/9/2016 6:56 | 60 | 11/9/2016 0:01 | 60 | 12/9/2016 1:06 | 50 |
| 6/9/2016 3:46 | 61 | 7/9/2016 4:51 | 61 | 8/9/2016 5:56 | 54 | 9/9/2016 23:01 | 63 | 11/9/2016 0:06 | 61 | 12/9/2016 1:11 | 50 |
| 6/9/2016 3:51 | 61 | 7/9/2016 4:56 | 62 | 8/9/2016 6:01 | 48 | 9/9/2016 23:06 | 62 | 11/9/2016 0:11 | 60 | 12/9/2016 1:16 | 61 |
| 6/9/2016 3:56 | 62 | 7/9/2016 5:01 | 61 | 8/9/2016 6:06 | 56 | 9/9/2016 23:11 | 61 | 11/9/2016 0:16 | 60 | 12/9/2016 1:21 | 51 |
| 6/9/2016 4:01 | 61 | 7/9/2016 5:06 | 61 | 8/9/2016 6:11 | 57 | 9/9/2016 23:16 | 62 | 11/9/2016 0:21 | 60 | 12/9/2016 1:26 | 62 |
| 6/9/2016 4:06 | 61 | 7/9/2016 5:11 | 61 | 8/9/2016 6:16 | 59 | 9/9/2016 23:21 | 62 | 11/9/2016 0:26 | 60 | 12/9/2016 1:31 | 62 |
| 6/9/2016 4:11 | 62 | 7/9/2016 5:16 | 61 | 89/2016 6:21 | 60 | 9/9/2016 23:26 | 62 | 11/9/2016 0:31 | 58 | 12/9/2016 1:36 | 62 |
| 6/9/2016 4:16 | 62 | 7/9/2016 5:21 | 62 | 8/9/2016 6:26 | 60 | 9/9/2016 23:31 | 61 | 11/9/2016 0:36 | 59 | 12/9/2016 1:41 | 62 |
| 6/9/2016 4:21 | 61 | 7/9/2016 5:26 | 62 | 89/2016 6:31 | 61 | 9/9/2016 23:36 | 62 | 11/9/2016 0:41 | 60 | 12/9/2016 1:46 | 61 |
| 6/9/2016 4:26 | 62 | 7/9/2016 5:31 | 40 | 8/9/2016 6:36 | 63 | 9/9/2016 23:41 | 61 | 11/9/2016 0:46 | 61 | 12/9/2016 1:51 | 62 |
| 6/9/2016 4:31 | 61 | 7/9/2016 5:36 | 52 | 8/9/2016 6:41 | 62 | 9/9/2016 23:46 | 62 | 11/9/2016 0:51 | 58 | 12/9/2016 1:56 | 61 |
| 6/9/2016 4:36 | 61 | 7/9/2016 5:41 | 45 | 8/9/2016 6:46 | 62 | 9/9/2016 23:51 | 61 | 11/9/2016 0:56 | 60 | 12/9/2016 2:01 | 61 |
| 6/9/2016 4:41 | 61 | 7/9/2016 5:46 | 54 | 8/9/2016 6:51 | 62 | 9/9/2016 23:56 | 61 | 11/9/2016 1:01 | 58 | 12/9/2016 2:06 | 62 |
| 6/9/2016 4:46 | 62 | 7/9/2016 5:51 | 55 | 8/9/2016 6:56 | 63 | 10/9/2016 0:01 | 61 | 11/9/2016 1:06 | 59 | 12/9/2016 2:11 | 61 |
| 6/9/2016 4:51 | 61 | 7/9/2016 5:56 | 56 | 8/9/2016 23:01 | 62 | 10/9/2016 0:06 | 60 | 11/9/2016 1:11 | 58 | 12/9/2016 2:16 | 61 |
| 6/9/2016 4:56 | 61 | 7/9/2016 6:01 | 55 | 8/9/2016 23:06 | 62 | 10/9/2016 0:11 | 61 | 11/9/2016 1:16 | 56 | 12/9/2016 2:21 | 61 |
| 6/9/2016 5:01 | 62 | 7/9/2016 6:06 | 58 | 8/9/2016 23:11 | 63 | 10/9/2016 0:16 | 60 | 11/9/2016 1:21 | 57 | 12/9/2016 2:26 | 61 |
| 6/9/2016 5:06 | 61 | 7/9/2016 6:11 | 57 | 8/9/2016 23:16 | 61 | 10/9/2016 0:21 | 61 | 11/9/2016 1:26 | 59 | 12/9/2016 2:31 | 61 |
| 6/9/2016 5:11 | 62 | 7/9/2016 6:16 | 60 | 8/9/2016 23:21 | 61 | 10/9/2016 0:26 | 60 | 11/9/2016 1:31 | 56 | 12/9/2016 2:36 | 61 |
| 6/9/2016 5:16 | 61 | 7/9/2016 6:21 | 60 | 899/2016 23:26 | 61 | 10/9/2016 0:31 | 61 | 11/9/2016 1:36 | 58 | 12/9/2016 2:41 | 61 |
| 6/9/2016 5:21 | 62 | 7/9/2016 6:26 | 61 | 8/9/2016 23:31 | 61 | 10/9/2016 0:36 | 60 | 11/9/2016 1:41 | 57 | 12/9/2016 2:46 | 60 |
| 6/9/2016 5:26 | 48 | 7/9/2016 6:31 | 62 | 8/9/2016 23:36 | 61 | 10/9/2016 0:41 | 60 | 11/9/2016 1:46 | 57 | 12/9/2016 2:51 | 62 |
| 6/9/2016 5:31 | 48 | 7/9/2016 6:36 | 61 | 8/9/2016 23:41 | 60 | 10/9/2016 0:46 | 59 | 11/9/2016 1:51 | 56 | 12/9/2016 2:56 | 61 |
| 6/9/2016 5:36 | 52 | 7/9/2016 6:41 | 62 | 8/9/2016 23:46 | 60 | 10/9/2016 0:51 | 60 | 11/9/2016 1:56 | 58 | 1219/2016 3:01 | 61 |
| 6/9/2016 5:41 | 53 | 7/9/2016 6:46 | 62 | 8/9/2016 23:51 | 62 | 10/9/2016 0:56 | 61 | 11/9/2016 2:01 | 56 | 12/9/2016 3:06 | 61 |
| 6/9/2016 5:46 | 54 | 7/9/2016 6:51 | 63 | 8/9/2016 23:56 | 60 | 10/9/2016 1:01 | 59 | 11/9/2016 2:06 | 55 | 12/9/2016 3:11 | 61 |
| 6/9/2016 5:51 | 56 | 7/9/2016 6:56 | 63 | 9/9/2016 0:01 | 60 | 10/9/2016 1:06 | 60 | 11/9/2016 2:11 | 48 | 12/9/2016 3:16 | 60 |
| 6/9/2016 5:56 | 56 | 7/9/2016 23:01 | 62 | 9/9/2016 0:06 | 60 | 10/9/2016 1:11 | 59 | 11/9/2016 2:16 | 55 | 12/9/2016 3:21 | 61 |
| 6/9/2016 6:01 | 57 | 7/9/2016 23:06 | 63 | 9/9/2016 0:11 | 60 | 10/9/2016 1:16 | 58 | 11/9/2016 2:21 | 55 | 12/9/2016 3:26 | 61 |
| 6/9/2016 6:06 | 54 | 7/9/2016 23:11 | 62 | 9/9/2016 0:16 | 60 | 10/9/2016 1:21 | 58 | 11/9/2016 2:26 | 54 | 12/9/2016 3:31 | 60 |
| 6/9/2016 6:11 | 56 | 7/9/2016 23:16 | 63 | 9/9/2016 0:21 | 60 | 10/9/2016 1:26 | 60 | 11/9/2016 2:31 | 53 | 12/9/2016 3:36 | 60 |
| 6/9/2016 6:16 | 59 | 7/9/2016 23:21 | 62 | 9/9/2016 0:26 | 60 | 10/9/2016 1:31 | 58 | 11/9/2016 2:36 | 56 | 12/9/2016 3:41 | 60 |
| 6/9/2016 6:21 | 59 | 7/9/2016 23:26 | 63 | 9/9/2016 0:31 | 60 | 10/9/2016 1:36 | 59 | 11/9/2016 2:41 | 52 | 12/9/2016 3:46 | 61 |
| 6/9/2016 6:26 | 61 | 7/9/2016 23:31 | 63 | 9/9/2016 0:36 | 61 | 10/9/2016 1:41 | 58 | 11/9/2016 2:46 | 53 | 12/9/2016 3:51 | 61 |
| 6/9/2016 6:31 | 61 | 7/9/2016 23:36 | 62 | 9/9/2016 0:41 | 60 | 10/9/2016 1:46 | 57 | 11/9/2016 2:51 | 52 | 12/9/2016 3:56 | 61 |
| 6/9/2016 6:36 | 62 | 7/9/2016 23:41 | 61 | 9/9/2016 0:46 | 59 | 10/9/2016 1:51 | 57 | 11/9/2016 2:56 | 51 | 12/9/2016 4:01 | 60 |
| 6/9/2016 6:41 | 62 | 7/9/2016 23:46 | 62 | 9/9/2016 0:51 | 58 | 10/9/2016 1:56 | 58 | 11/9/2016 3:01 | 53 | 12/9/2016 4:06 | 61 |
| 6/9/2016 6:46 | 63 | 7/9/2016 23:51 | 61 | 9/9/2016 0:56 | 59 | 10/9/2016 2:01 | 57 | 11/9/2016 3:06 | 51 | 12/9/2016 4:11 | 61 |
| 6/9/2016 6:51 | 63 | 7/9/2016 23:56 | 61 | 9/9/2016 1:01 | 55 | 10/9/2016 2:06 | 57 | 11/9/2016 3:11 | 47 | 12/9/2016 4:16 | 61 |
| 6/9/2016 6:56 | 62 | 8/9/2016 0:01 | 61 | 9/9/2016 1:06 | 55 | 10/9/2016 2:11 | 58 | 11/9/2016 3:16 | 43 | 12/9/2016 4:21 | 60 |
| 6/9/2016 23:01 | 62 | 89/2016 0:06 | 61 | 9/9/2016 1:11 | 57 | 10/9/2016 2:16 | 56 | 11/9/2016 3:21 | 46 | 12/9/2016 4:26 | 61 |
| 6/9/2016 23:06 | 62 | 8/9/2016 0:11 | 61 | 9/9/2016 1:16 | 58 | 10/9/2016 2:21 | 59 | 11/9/2016 3:26 | 47 | 12/9/2016 4:31 | 61 |
| 6/9/2016 23:11 | 60 | 8/9/2016 0:16 | 61 | 9/9/2016 1:21 | 55 | 10/9/2016 2:26 | 57 | 11/9/2016 3:31 | 51 | 12/9/2016 4:36 | 61 |
| 6/9/2016 23:16 | 61 | 8/9/2016 0:21 | 59 | 9/9/2016 1:26 | 57 | 10/9/2016 2:31 | 57 | 11/9/2016 3:36 | 51 | 12/9/2016 4:41 | 60 |
| 6/9/2016 23:21 | 61 | 8/9/2016 0:26 | 60 | 9/9/2016 1:31 | 55 | 10/9/2016 2:36 | 56 | 11/9/2016 3:41 | 50 | 12/9/2016 4:46 | 61 |
| 6/9/2016 23:26 | 61 | 8/9/2016 0:31 | 60 | 9/9/2016 1:36 | 54 | 10/9/2016 2:41 | 54 | 11/9/2016 3:46 | 36 | 12/9/2016 4:51 | 61 |
| 6/9/2016 23:31 | 61 | 8/9/2016 0:36 | 59 | 9/9/2016 1:41 | 57 | 10/9/2016 2:46 | 53 | 11/9/2016 3:51 | 44 | 12/9/2016 4:56 | 61 |
| 6/9/2016 23:36 | 60 | 8/9/2016 0:41 | 59 | 9/9/2016 1:46 | 48 | 10/9/2016 2:51 | 56 | 11/9/2016 3:56 | 44 | 12/9/2016 5:01 | 61 |
| 6/9/2016 23:41 | 61 | 8/9/2016 0:46 | 57 | 9/9/2016 1:51 | 54 | 10/9/2016 2:56 | 55 | 11/9/2016 4:01 | 62 | 12/9/2016 5:06 |  |
| 6/9/2016 23:46 | 59 | 8/9/2016 0:51 | 58 | 9/9/2016 1:56 | 52 | 10/9/2016 3:01 | 56 | 11/9/2016 4:06 | 62 | 12/9/2016 5:11 | 61 |
| 6/9/2016 23:51 | 60 | 8/9/2016 0:56 | 60 | 9/9/2016 2:01 | 49 | 10/9/2016 3:06 | 53 | 11/9/2016 4:11 | 61 | 12/9/2016 5:16 | 61 |
| 6/9/2016 23:56 | 60 | 8/9/2016 1:01 | 58 | 9/9/2016 2:06 | 55 | 10/9/2016 3:11 | 55 | 11/9/2016 4:16 | 62 | 12/9/2016 5:21 | 61 |
| 7/9/2016 0:01 | 60 | 89/2016 1:06 | 57 | 9/9/2016 2:11 | 50 | 10/9/2016 3:16 | 50 | 11/9/2016 4:21 | 46 | 12/9/2016 5:26 | 61 |
| 7/9/2016 0:06 | 59 | 8/9/2016 1:11 | 58 | 9/9/2016 2:16 | 40 | 10/9/2016 3:21 | 52 | 11/9/2016 4:26 | 62 | 12/9/2016 5:31 |  |
| 7/9/2016 0:11 | 58 | 8/9/2016 1:16 | 56 | 9/9/2016 2:21 | 62 | 10/9/2016 3:26 | 44 | 11/9/2016 4:31 | 62 | 12/9/2016 5:36 | 61 |
| 7/9/2016 0:16 | 57 | 8/9/2016 1:21 | 56 | 9/9/2016 2:26 | 48 | 10/9/2016 3:31 | 51 | 11/9/2016 4:36 | 62 | 12/9/2016 5:41 | 62 |
| 7/9/2016 0:21 | 58 | 8/9/2016 1:26 | 56 | 9/9/2016 2:31 | 47 | 10/9/2016 3:36 | 62 | 11/9/2016 4:41 | 51 | 12/9/2016 5:46 |  |
| 7/9/2016 0:26 | 54 | 8/9/2016 1:31 | 58 | 9/9/2016 2:36 | 42 | 10/9/2016 3:41 | 55 | 11/9/2016 4:46 | 49 | 12/9/2016 5:51 | 50 |
| 7/9/2016 0:31 | 56 | 8/9/2016 1:36 | 54 | 9/9/2016 2:41 | 62 | 10/9/2016 3:46 | 52 | 11/9/2016 4:51 | 62 | 12/9/2016 5:56 | 40 |
| 7/9/2016 0:36 | 55 | 8/9/2016 1:41 | 57 | 9/9/2016 2:46 | 47 | 10/9/2016 3:51 | 57 | 11/9/2016 4:56 | 54 | 12/9/2016 6:01 |  |
| 7/9/2016 0:41 | 56 | 8/9/2016 1:46 | 51 | 9/9/2016 2:51 | 62 | 10/9/2016 3:56 | 53 | 11/9/2016 5:01 | 62 | 12/9/2016 6:06 |  |
| 7/9/2016 0:46 | 56 | 8/9/2016 1:51 | 50 | 9/9/2016 2:56 | 61 | 10/9/2016 4:01 | 62 | 11/9/2016 5:06 | 61 | 12/9/2016 6:11 |  |
| 7/9/2016 0:51 | 53 | 8/9/2016 1:56 | 55 | 9/9/2016 3:01 | 62 | 10/9/2016 4:06 | 39 | 11/9/2016 5:11 | 62 | 12/9/2016 6:16 |  |
| 7/9/2016 0:56 | 57 | 8/9/2016 2:01 | 53 | 9/9/2016 3:06 | 61 | 10/9/2016 4:11 | 53 | 11/9/2016 5:16 | 62 | 12/9/2016 6:21 | 58 |
| 7/9/2016 1:01 | 57 | 8/9/2016 2:06 | 51 | 9/9/2016 3:11 | 49 | 10/9/2016 4:16 | 52 | 11/9/2016 5:21 | 53 | 12/9/2016 6:26 |  |
| 7/9/2016 1:06 | 54 55 | 8/9/2016 2:11 8/9/2016 2:16 | 54 54 | 9/9/2016 3:16 | 62 49 | 10/9/2016 4:21 10/9/2016 4:26 | 56 52 | 11/9/2016 5:26 11/9/2016 5:31 | 62 42 | 12/9/2016 6:31 12/9/2016 6:36 |  |


| Real-time Noise Data |  | RTN1 (Food and Environmental Hygiene Department Depot) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12/9/2016 6:41 | 60 | 13/9/2016 23:46 | 58 | 15/9/2016 0:51 | 59 |
| 12/9/2016 6:46 | 62 | 13/9/2016 23:51 | 58 | 15/9/2016 0:56 | 58 |
| 12/9/2016 6:51 | 62 | 13/9/2016 23:56 | 58 | 15/9/2016 1:01 | 57 |
| 12/9/2016 6:56 | 62 | 14/9/2016 0:01 | 57 | 15/9/2016 1:06 | 59 |
| 12/9/2016 23:01 | 61 | 14/9/2016 0:06 | 58 | 15/9/2016 1:11 | 58 |
| 12/9/2016 23:06 | 60 | 14/9/2016 0:11 | 57 | 15/9/2016 1:16 | 55 |
| 12/9/2016 23:11 | 59 | 14/9/2016 0:16 | 58 | 15/9/2016 1:21 | 57 |
| 12/9/2016 23:16 | 60 | 14/9/2016 0:21 | 58 | 15/9/2016 1:26 | 56 |
| 12/9/2016 23:21 | 60 | 14/9/2016 0:26 | 57 | 15/9/2016 1:31 | 53 |
| 12/9/2016 23:26 | 59 | 14/9/2016 0:31 | 54 | 15/9/2016 1:36 | 54 |
| 12/9/2016 23:31 | 59 | 14/9/2016 0:36 | 54 | 15/9/2016 1:41 | 57 |
| 12/9/2016 23:36 | 60 | 14/9/2016 0:41 | 57 | 15/9/2016 1:46 | 52 |
| 12/9/2016 23:41 | 58 | 14/9/2016 0:46 | 52 | 15/9/2016 1:51 | 54 |
| 12/9/2016 23:46 | 59 | 14/9/2016 0:51 | 55 | 15/9/2016 1:56 | 51 |
| 12/9/2016 23:51 | 59 | 14/9/2016 0:56 | 53 | 15/9/2016 2:01 | 51 |
| 12/9/2016 23:56 | 62 | 14/9/2016 1:01 | 54 | 15/9/2016 2:06 | 58 |
| 13/9/2016 0:01 | 59 | 14/9/2016 1:06 | 47 | 15/9/2016 2:11 | 50 |
| 13/9/2016 0:06 | 58 | 14/9/2016 1:11 | 49 | 15/9/2016 2:16 | 47 |
| 13/9/2016 0:11 | 58 | 14/9/2016 1:16 | 50 | 15/9/2016 2:21 | 54 |
| 13/9/2016 0:16 | 58 | 14/9/2016 1:21 | 62 | 15/9/2016 2:26 | 42 |
| 13/9/2016 0:21 | 56 | 14/9/2016 1:26 | 60 | 15/9/2016 2:31 | 53 |
| 13/9/2016 0:26 | 58 | 14/9/2016 1:31 | 51 | 15/9/2016 2:36 | 44 |
| 13/9/2016 0:31 | 55 | 14/9/2016 1:36 | 62 | 15/9/2016 2:41 | 50 |
| 13/9/2016 0:36 | 54 | 14/9/2016 1:41 | 62 | 15/9/2016 2:46 | 53 |
| 13/9/2016 0:41 | 54 | 14/9/2016 1:46 | 51 | 15/9/2016 2:51 | 49 |
| 13/9/2016 0:46 | 51 | 14/9/2016 1:51 | 46 | 15/9/2016 2:56 | 49 |
| 13/9/2016 0:51 | 55 | 14/9/2016 1:56 | 62 | 15/9/2016 3:01 | 62 |
| 13/9/2016 0:56 | 53 | 14/9/2016 2:01 | 62 | 15/9/2016 3:06 | 54 |
| 13/9/2016 1:01 | 54 | 14/9/2016 2:06 | 62 | 15/9/2016 3:11 | 45 |
| 13/9/2016 1:06 | 51 | 14/9/2016 2:11 | 61 | 15/9/2016 3:16 | 62 |
| 13/9/2016 1:11 | 53 | 14/9/2016 2:16 | 62 | 15/9/2016 3:21 | 62 |
| 13/9/2016 1:16 | 48 | 14/9/2016 2:21 | 62 | 15/9/2016 3:26 | 61 |
| 13/9/2016 1:21 | 52 | 14/9/2016 2:26 | 61 | 15/9/2016 3:31 | 55 |
| 13/9/2016 1:26 | 62 | 14/9/2016 2:31 | 62 | 15/9/2016 3:36 | 62 |
| 13/9/2016 1:31 | 61 | 14/9/2016 2:36 | 61 | 15/9/2016 3:41 | 61 |
| 13/9/2016 1:36 | 61 | 14/9/2016 2:41 | 61 | 15/9/2016 3:46 | 62 |
| 13/9/2016 1:41 | 62 | 14/9/2016 2:46 | 61 | 15/9/2016 3:51 | 62 |
| 13/9/2016 1:46 | 62 | 14/9/2016 2:51 | 61 | 15/9/2016 3:56 | 62 |
| 13/9/2016 1:51 | 62 | 14/9/2016 2:56 | 61 | 15/9/2016 4:01 | 62 |
| 13/9/2016 1:56 | 47 | 14/9/2016 3:01 | 62 | 15/9/2016 4:06 | 62 |
| 13/9/2016 2:01 | 62 | 14/9/2016 3:06 | 61 | 15/9/2016 4:11 | 61 |
| 13/9/2016 2:06 | 61 | 14/9/2016 3:11 | 62 | 15/9/2016 4:16 | 61 |
| 13/9/2016 2:11 | 61 | 14/9/2016 3:16 | 61 | 15/9/2016 4:21 | 61 |
| 13/9/2016 2:16 | 59 | 14/9/2016 3:21 | 61 | 15/9/2016 4:26 | 62 |
| 13/9/2016 2:21 | 54 | 14/9/2016 3:26 | 61 | 15/9/2016 4:31 | 62 |
| 13/9/2016 2:26 | 61 | 14/9/2016 3:31 | 61 | 15/9/2016 4:36 | 61 |
| 13/9/2016 2:31 | 61 | 14/9/2016 3:36 | 61 | 15/9/2016 4:41 | 62 |
| 13/9/2016 2:36 | 61 | 14/9/2016 3:41 | 61 | 15/9/2016 4:46 | 45 |
| 13/9/2016 2:41 | 61 | 14/9/2016 3:46 | 61 | 15/9/2016 4:51 | 62 |
| 13/9/2016 2:46 | 61 | 14/9/2016 3:51 | 61 | 15/9/2016 4:56 | 62 |
| 13/9/2016 2:51 | 61 | 14/9/2016 3:56 | 61 | 15/9/2016 5:01 | 61 |
| 13/9/2016 2:56 | 61 | 14/9/2016 4:01 | 61 | 15/9/2016 5:06 | 62 |
| 13/9/2016 3:01 | 61 | 14/9/2016 4:06 | 62 | 15/9/2016 5:11 | 62 |
| 13/9/2016 3:06 | 61 | 14/9/2016 4:11 | 61 | 15/9/2016 5:16 | 62 |
| 13/9/2016 3:11 | 61 | 14/9/2016 4:16 | 61 | 15/9/2016 5:21 | 40 |
| 13/9/2016 3:16 | 61 | 14/9/2016 4:21 | 61 | 15/9/2016 5:26 | 46 |
| 13/9/2016 3:21 | 61 | 14/9/2016 4:26 | 61 | 15/9/2016 5:31 | 62 |
| 13/9/2016 3:26 | 61 | 14/9/2016 4:31 | 61 | 15/9/2016 5:36 | 48 |
| 13/9/2016 3:31 | 60 | 14/9/2016 4:36 | 61 | 15/9/2016 5:41 | 47 |
| 13/9/2016 3:36 | 61 | 14/9/2016 4:41 | 61 | 15/9/2016 5:46 | 51 |
| 13/9/2016 3:41 | 61 | 14/9/2016 4:46 | 61 | 15/9/2016 5:51 | 55 |
| 13/9/2016 3:46 | 60 | 14/9/2016 4:51 | 61 | 15/9/2016 5:56 | 55 |
| 13/9/2016 3:51 | 61 | 14/9/2016 4:56 | 61 | 15/9/2016 6:01 | 53 |
| 13/9/2016 3:56 | 61 | 14/9/2016 5:01 | 61 | 15/9/2016 6:06 | 57 |
| 13/9/2016 4:01 | 61 | 14/9/2016 5:06 | 61 | 15/9/2016 6:11 | 57 |
| 13/9/2016 4:06 | 61 | 14/9/2016 5:11 | 61 | 15/9/2016 6:16 | 59 |
| 13/9/2016 4:11 | 60 | 14/9/2016 5:16 | 61 | 15/9/2016 6:21 | 59 |
| 13/9/2016 4:16 | 60 | 14/9/2016 5:21 | 60 | 15/9/2016 6:26 | 59 |
| 13/9/2016 4:21 | 61 | 14/9/2016 5:26 | 61 | 15/9/2016 6:31 | 60 |
| 13/9/2016 4:26 | 61 | 14/9/2016 5:31 | 61 | 15/9/2016 6:36 | 61 |
| 13/9/2016 4:31 | 61 | 14/9/2016 5:36 | 61 | 15/9/2016 6:41 | 62 |
| 13/9/2016 4:36 | 61 | 14/9/2016 5:41 | 62 | 15/9/2016 6:46 | 62 |
| 13/9/2016 4:41 | 61 | 14/9/2016 5:46 | 61 | 15/9/2016 6:51 | 61 |
| 13/9/2016 4:46 | 60 | 14/9/2016 5:51 | 61 | 15/9/2016 6:56 | 61 |
| 13/9/2016 4:51 | 61 | 14/9/2016 5:56 | 50 | 15/9/2016 23:01 | 57 |
| 13/9/2016 4:56 | 61 | 14/9/2016 6:01 | 62 | 15/9/2016 23:06 | 58 |
| 13/9/2016 5:01 | 60 | 14/9/2016 6:06 | 62 | 15/9/2016 23:11 | 60 |
| 13/9/2016 5:06 | 61 | 14/9/2016 6:11 | 52 | 15/9/2016 23:16 | 59 |
| 13/9/2016 5:11 | 61 | 14/9/2016 6:16 | 57 | 15/9/2016 23:21 | 58 |
| 13/9/2016 5:16 | 62 | 14/9/2016 6:21 | 58 | 15/9/2016 23:26 | 59 |
| 13/9/2016 5:21 | 61 | 14/9/2016 6:26 | 58 | 15/9/2016 23:31 | 59 |
| 13/9/2016 5:26 | 61 | 14/9/2016 6:31 | 59 | 15/9/2016 23:36 | 58 |
| 13/9/2016 5:31 | 61 | 14/9/2016 6:36 | 58 | 15/9/2016 23:41 | 57 |
| 13/9/2016 5:36 | 61 | 14/9/2016 6:41 | 60 | 15/9/2016 23:46 | 57 |
| 13/9/2016 5:41 | 62 | 14/9/2016 6:46 | 61 | 15/9/2016 23:51 | 58 |
| 13/9/2016 5:46 | 50 | 14/9/2016 6:51 | 61 | 15/9/2016 23:56 | 58 |
| 13/9/2016 5:51 | 50 | 14/9/2016 6:56 | 60 | 16/9/2016 0:01 | 57 |
| 13/9/2016 5:56 | 40 | 14/9/2016 23:01 | 61 | 16/9/2016 0:06 | 56 |
| 13/9/2016 6:01 | 36 | 14/9/2016 23:06 | 62 | 16/9/2016 0:11 | 56 |
| 13/9/2016 6:06 | 54 | 14/9/2016 23:11 | 62 | 16/9/2016 0:16 | 59 |
| 13/9/2016 6:11 | 58 | 14/9/2016 23:16 | 62 | 16/9/2016 0:21 | 56 |
| 13/9/2016 6:16 | 58 | 14/9/2016 23:21 | 62 | 16/9/2016 0:26 | 57 |
| 13/9/2016 6:21 | 58 | 14/9/2016 23:26 | 61 | 16/9/2016 0:31 | 59 |
| 13/9/2016 6:26 | 59 | 14/9/2016 23:31 | 64 | 16/9/2016 0:36 | 54 |
| 13/9/2016 6:31 | 60 | 14/9/2016 23:36 | 62 | 16/9/2016 0:41 | 56 |
| 13/9/2016 6:36 | 61 | 14/9/2016 23:41 | 62 | 16/9/2016 0:46 | 55 |
| 13/9/2016 6:41 | 60 | 14/9/2016 23:46 | 61 | 16/9/2016 0:51 | 55 |
| 13/9/2016 6:46 | 62 | 14/9/2016 23:51 | 62 | 16/9/2016 0:56 | 59 |
| 13/9/2016 6:51 | 62 | 14/9/2016 23:56 | 61 | 16/9/2016 1:01 | 54 |
| 13/9/2016 6:56 | 62 | 15/9/2016 0:01 | 61 | 16/9/2016 1:06 | 52 |
| 13/9/2016 23:01 | 61 | 15/9/2016 0:06 | 60 | 16/9/2016 1:11 | 53 |
| 13/9/2016 23:06 | 59 | 15/9/2016 0:11 | 61 | 16/9/2016 1:16 | 53 |
| 13/9/2016 23:11 | 60 | 15/9/2016 0:16 | 60 | 16/9/2016 1:21 | 46 |
| 13/9/2016 23:16 | 59 | 15/9/2016 0:21 | 60 | 16/9/2016 1:26 | 62 |
| 13/9/2016 23:21 | 60 | 15/9/2016 0:26 | 60 | 16/9/2016 1:31 | 62 |
| 13/9/2016 23:26 | 60 | 15/9/2016 0:31 | 59 | 16/9/2016 1:36 | 54 |
| 13/9/2016 23:31 | 59 | 15/9/2016 0:36 | 60 | 16/9/2016 1:41 | 48 |
| $\begin{aligned} & 13 / 9 / 2016 \text { 23:36 } \\ & 13 / 9 / 201623: 41 \end{aligned}$ |  | 15/9/2016 0:41 15/9/2016 0:46 | 60 59 | 16/9/2016 1:46 16/9/2016 1:51 | 61 50 |

16/9/2016 1:56 5 16/9/2016 2.01 16/9/2016 2:06 $16 / 9 / 2016$ 2:11
$16 / 9 / 20162: 16$ 16/9/2016 2:21 16/9/2016 2:26 16/9/2016 2:31 16/9/2016 2:36 16/9/2016 2.41 16/9/2016 2.46 16/9/2016 2:51 16/9/2016 2:51
16/9/2016 2:56 16/9/2016 2:56
16/9/2016 3:01 16/9/2016 3:06 16/9/2016 3:11 16/9/2016 3:16 16/9/2016 3:21 16/9/2016 3:26 16/9/2016 3:31 6/9/2016 3:41 16/9/2016 3:46 16/9/2016 3:51 16/9/2016 3:56 16/9/2016 4:06 16/9/2016 4:11 16/9/2016 4:16 16/9/2016 4:21 16/9/2016 4:26 16/9/2016 4:31 16/9/2016 4:36 16/9/2016 4:41 16/9/2016 4:46 16/9/2016 4:51 16/9/2016 4:56 16/9/2016 5:01 16/9/2016 5:06 16/9/2016 5:11 16/9/2016 5:16 16/9/2016 5:21 16/9/2016 5:26 16/9/2016 5:31 16/9/2016 5:36 16/9/2016 5:41 16/9/2016 5:46 16/9/2016 5:51 16/9/2016 5:56 16/9/2016 6:01 16/9/2016 6:06 16/9/2016 6:16 16/9/2016 6:16 6/9/2016 6:21 6/9/2016 6:26 6/9/2016 6:31 16/9/2016 6:36
16/9/2016 6:41 16/9/2016 6:41
16/9/2016 6:46 16/9/2016 6:46 16/9/2016 6:51 16/9/2016 6:56 16/9/2016 23:01 16/9/2016 23:06 16/9/2016 23:11 16/9/2016 23:16 16/9/2016 23:21 16/9/2016 23:26 16/9/2016 23:31 16/9/2016 23:36 16/9/2016 23:41 16/9/2016 23:46 16/9/2016 23:51 16/9/2016 23:56 17/9/2016 0:01 17/9/2016 0.06 17/9/2016 0:11 17/9/2016 0:16 17/9/2016 0:16 7/9/2016 0:21 7/9/2016 0:26 7/9/2016 0:31 17/9/2016 0:36 17/9/2016 0:41 17/9/2016 0:46 17/9/2016 0:51 17/9/2016 0:56 17/9/2016 1:01 17/9/2016 1:06 17/9/2016 1:11 17/9/2016 1:16 17/9/2016 1:21 17/9/2016 1:26 17/9/2016 1:31 17/9/2016 1:36 17/9/2016 1:41 17/9/2016 1:46 17/9/2016 1:51 17/9/2016 1:56 17/9/2016 2:01 17/9/2016 2:06 17/9/2016 2:11 17/9/2016 2:16 17/9/2016 2.21 1719/2016 2.21 17/9/2016 2:26 17/9/2016 2:36 17/9/2016 2:41 17/9/2016 2:51 17/9/2016 2:56 6

## 17/9/2016 3:01

 $17 / 9 / 20163: 06$$17 / 9 / 2016$
$3: 11$
$17 / 9 / 2016$
$3: 16$ 17/9/2016 3:16 6 17/9/2016 3:21 17/9/2016 3:31 17/9/2016 3:36 17/9/2016 3:41 17/9/2016 3:46 17/9/2016 3:51 17/9/2016 3:56 17/9/2016 4:01 17/9/2016 4:06 17/9/2016 4:11
17/9/2016 4:16 17/9/2016 4:16 17/9/2016 4:21 17/9/2016 4:31 $17 / 9 / 20164: 31$
$17 / 9 / 20164: 36$ 17/9/2016 4:36 17/9/2016 4:41 $17 / 9 / 20164: 46 \quad 60$
$17 / 9 / 20164: 51$ 17/9/2016 4:51 6 17/9/2016 5:01 17/9/2016 5:06 17/9/2016 5:11 17/9/2016 5:21 17/9/2016 5:26 17/9/2016 5:31 17/9/2016 5:36 17/9/2016 5:41 17/9/2016 5:46 $17 / 9 / 20165: 51$
$17 / 9 / 20165: 56$ 17/9/2016 5:56 17/9/2016 6:06 17/9/2016 6:11 17/9/2016 6:16 17/9/2016 6:21 17/9/2016 6:26 17/9/2016 6:31
17/9/2016 6:36 17/9/2016 6:36 17/9/2016 6:41
17/9/2016 $6: 46$ 17/9/2016 6:51 17/9/2016 6:56 17/9/2016 23:06 17/9/2016 23:11 17/9/2016 23:16 17/9/2016 23:21 $23: 26$ 17/9/2016 23:26 $17 / 9 / 2016$ 23:31
17/9/2016 23:36 17/9/2016 23:41 17/9/2016 23:46 17/9/2016 23:51 18/9/2016 0:01 18/9/2016 0:06 18/9/2016 0:11 18/9/2016 0:16 18/9/2016 0:21
18/9/2016 0:26 18/9/2016 0:31 $18 / 9 / 20160: 36$
$18 / 9 / 2016$
$0: 41$ 18/9/2016 0:46 18/9/2016 0:51 18/9/2016 0:56 18/9/2016 1:01 18/9/2016 1:06
18/9/2016 $1: 11$ 18/9/2016 1:11 18/9/2016 1:16 18/9/2016 1:26 18/9/2016 1:31 18/9/2016 1:36 18/9/2016 1:41 18/9/2016 1:46
18/9/2016 1:51 18/9/2016 1:56 18/9/2016 2:01 18/9/2016 2:06 $18 / 9 / 20162: 11$
$18 / 9 / 201622: 16$ 18/9/2016 2:21 18/9/2016 2:26 $18 / 9 / 20162: 31$
18/9/2016 2:36 18/9/2016 2:41 18/9/2016 2:46 18/9/2016 2:51 18/9/2016 2:56 18/9/2016 3:01 49 18/9/2016 3:06 18/9/2016 3:11 18/9/2016 3:16 18/9/2016 3:21 18/9/2016 3:26 18/9/2016 3:31
18/9/2016 3:36 18/9/2016 3:36
18/9/2016 3:41 18/9/2016 3:46 18/9/2016 3:51 6 $\begin{array}{ll}18 / 9 / 2016 & 3: 56 \\ 18 / 9 / 2016 & 4: 01 \\ 61\end{array}$

18/9/2016 4:06 18/9/2016 4.11 18/9/2016 4:11 18/9/2016 4:16
18/9/2016 4:21 18/9/2016 4:21 18/9/2016 4:31 18/9/2016 4:36 18/9/2016 4:41 18/9/2016 4:51 18/9/2016 4:56 18/9/2016 5:01 18/9/2016 5:06 18/9/2016 5:11 18/9/2016 5:16 18/9/2016 5:26 18/9/2016 5:31 18/9/2016 5:36 18/9/2016 5:41 18/9/2016 5:46 18/9/2016 5:51 18/9/2016 5:56 18/9/2016 6:01 18/9/2016 6:06 18/9/2016 6:11 18/9/2016 6:21 18/9/2016 6:26 18/9/2016 6:31 18/9/2016 6:36 18/9/2016 6:41 18/9/2016 6:46 18/9/2016 6:56 18/9/2016 23:01 18/9/2016 23:11 18/9/2016 23:16 18/9/2016 23:21 18/9/2016 23:26 18/9/2016 23:31 18/9/2016 23:36 $18 / 9 / 201623: 41$
$18 / 9 / 201623: 46$ 18/9/2016 23:51 18/9/2016 23:56 19/9/2016 0:01 19/9/2016 0:06 19/9/2016 0:11 19/9/2016 0:21 19/9/2016 0.26 19/9/2016 0:31 19/9/2016 0:36 19/9/2016 0:41 19/9/2016 0:46 19/9/2016 0:51 19/9/2016 0:56 19/9/2016 1:01 19/9/2016 1:06 19/9/2016 1:11
19/9/2016 1:16 19/9/2016 1:16 19/9/2016 1:21 19/9/2016 1:26 19/9/2016 1:36 19/9/2016 1:41 19/9/2016 1:46 19/9/2016 1:56 19/9/2016 2:01 19/9/2016 2:06 19/9/2016 2:11 19/9/2016 2:16 19/9/2016 2:21 19/9/2016 2:26 19/9/2016 2:31 19/9/2016 2:41 19/9/2016 2:46 19/9/2016 2:51 19/9/2016 2:56 19/9/2016 3:01 19/9/2016 3:06 19/9/2016 3:11 19/9/2016 3:16
19/9/2016 3:21 19/9/2016 3:21
19/9/2016 3:26 19/9/2016 3:31 19/9/2016 3:36 19/9/2016 3:46 19/9/2016 3:51 19/9/2016 3:51 19/9/2016 3:56 19/9/2016 4:01
19/9/2016 4:06 19/9/2016 4:06 19/9/2016 4:16 19/9/2016 4:21 19/9/2016 4:26 19/9/2016 4:31 19/9/2016 4:36 19/9/2016 4:41 19/9/2016 4:46 19/9/2016 4:51 19/9/2016 4:56 19/9/2016 5:06 61


| Real-time Noise Data |  | RTN1 (Food and Env | viron | ene Department $D$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19/9/2016 5:11 | 61 | 20/9/2016 6:16 | 59 | 21/9/2016 23:21 |  |
| 19/9/2016 5:16 | 60 | 20/9/2016 6:21 | 61 | 21/9/2016 23:26 | 61 |
| 19/9/2016 5:21 | 61 | 20/9/2016 6:26 | 63 | 21/9/2016 23:31 | 58 |
| 19/9/2016 5:26 | 61 | 20/9/2016 6:31 | 61 | 21/9/2016 23:36 | 59 |
| 19/9/2016 5:31 | 61 | 20/9/2016 6:36 | 62 | 21/9/2016 23:41 | 59 |
| 19/9/2016 5:36 | 61 | 20/9/2016 6:41 | 62 | 21/9/2016 23:46 | 58 |
| 19/9/2016 5:41 | 62 | 20/9/2016 6:46 | 62 | 21/9/2016 23:51 | 62 |
| 19/9/2016 5:46 | 61 | 20/9/2016 6:51 | 62 | 21/9/2016 23:56 | 58 |
| 19/9/2016 5:51 | 62 | 20/9/2016 6:56 | 62 | 22/9/2016 0:01 | 54 |
| 19/9/2016 5:56 | 49 | 20/9/2016 23:01 | 57 | 22/9/2016 0:06 | 58 |
| 19/9/2016 6:01 | 61 | 20/9/2016 23:06 | 57 | 22/9/2016 0:11 | 56 |
| 19/9/2016 6:06 | 62 | 20/9/2016 23:11 | 57 | 22/9/2016 0:16 | 55 |
| 19/9/2016 6:11 | 50 | 20/9/2016 23:16 | 60 | 22/9/2016 0:21 | 58 |
| 19/9/2016 6:16 | 56 | 20/9/2016 23:21 | 56 | 22/9/2016 0:26 | 61 |
| 19/9/2016 6:21 | 55 | 20/9/2016 23:26 | 58 | 22/9/2016 0:31 | 50 |
| 19/9/2016 6:26 | 57 | 20/9/2016 23:31 | 58 | 22/9/2016 0:36 | 58 |
| 19/9/2016 6:31 | 58 | 20/9/2016 23:36 | 56 | 22/9/2016 0:41 | 53 |
| 19/9/2016 6:36 | 58 | 20/9/2016 23:41 | 56 | 22/9/2016 0:46 | 53 |
| 19/9/2016 6:41 | 60 | 20/9/2016 23:46 | 54 | 22/9/2016 0:51 | 53 |
| 19/9/2016 6:46 | 60 | 20/9/2016 23:51 | 56 | 22/9/2016 0:56 | 45 |
| 19/9/2016 6:51 | 59 | 20/9/2016 23:56 | 52 | 22/9/2016 1:01 | 55 |
| 19/9/2016 6:56 | 60 | 21/9/2016 0:01 | 54 | 22/9/2016 1:06 | 48 |
| 19/9/2016 23:01 | 56 | 21/9/2016 0:06 | 44 | 22/9/2016 1:11 | 45 |
| 19/9/2016 23:06 | 56 | 21/9/2016 0:11 | 62 | 22/9/2016 1:16 | 40 |
| 19/9/2016 23:11 | 57 | 21/9/2016 0:16 | 61 | 22/9/2016 1:21 | 40 |
| 19/9/2016 23:16 | 57 | 21/9/2016 0:21 | 62 | 22/9/2016 1:26 | 45 |
| 19/9/2016 23:21 | 57 | 21/9/2016 0:26 | 58 | 22/9/2016 1:31 | 62 |
| 19/9/2016 23:26 | 57 | 21/9/2016 0:31 | 54 | 22/9/2016 1:36 | 47 |
| 19/9/2016 23:31 | 58 | 21/9/2016 0:36 | 53 | 22/9/2016 1:41 | 62 |
| 19/9/2016 23:36 | 55 | 21/9/2016 0:41 | 61 | 22/9/2016 1:46 | 61 |
| 19/9/2016 23:41 | 53 | 21/9/2016 0:46 | 48 | 22/9/2016 1:51 | 62 |
| 19/9/2016 23:46 | 56 | 21/9/2016 0:51 | 48 | 22/9/2016 1:56 | 62 |
| 19/9/2016 23:51 | 57 | 21/9/2016 0:56 | 62 | 22/9/2016 2:01 | 61 |
| 19/9/2016 23:56 | 57 | 21/9/2016 1:01 | 61 | 22/9/2016 2:06 | 61 |
| 20/9/2016 0:01 | 59 | 21/9/2016 1:06 | 60 | 22/9/2016 2:11 | 61 |
| 20/9/2016 0:06 | 60 | 219/2016 1:11 | 61 | 22/9/2016 2:16 | 61 |
| 20/9/2016 0:11 | 61 | 21/9/2016 1:16 | 60 | 22/9/2016 2:21 | 61 |
| 20/9/2016 0:16 | 62 | 21/9/2016 1:21 | 61 | 22/9/2016 2:26 | 61 |
| 20/9/2016 0:21 | 63 | 21/9/2016 1:26 | 61 | 22/9/2016 2:31 | 61 |
| 20/9/2016 0:26 | 61 | 21/9/2016 1:31 | 60 | 22/9/2016 2:36 | 61 |
| 20/9/2016 0:31 | 60 | 21/9/2016 1:36 | 60 | 22/9/2016 2:41 | 61 |
| 20/9/2016 0:36 | 61 | 21/9/2016 1:41 | 60 | 22/9/2016 2:46 | 61 |
| 20/9/2016 0:41 | 60 | 21/9/2016 1:46 | 60 | 22/9/2016 2:51 | 61 |
| 20/9/2016 0:46 | 60 | 21/9/2016 1:51 | 60 | 22/9/2016 2:56 | 61 |
| 20/9/2016 0:51 | 60 | 21/9/2016 1:56 | 59 | 22/9/2016 3:01 | 61 |
| 20/9/2016 0:56 | 59 | 21/9/2016 2:01 | 59 | 22/9/2016 3:06 | 60 |
| 20/9/2016 1:01 | 58 | 21/9/2016 2:06 | 59 | 22/9/2016 3:11 | 61 |
| 20/9/2016 1:06 | 59 | 219/2016 2:11 | 59 | 22/9/2016 3:16 | 60 |
| 20/9/2016 1:11 | 57 | 21/9/2016 2:16 | 60 | 22/9/2016 3:21 | 60 |
| 20/9/2016 1:16 | 57 | 21/9/2016 2:21 | 60 | 22/9/2016 3:26 | 60 |
| 20/9/2016 1:21 | 56 | 21/9/2016 2:26 | 59 | 22/9/2016 3:31 | 60 |
| 20/9/2016 1:26 | 57 | 21/9/2016 2:31 | 59 | 22/9/2016 3:36 | 61 |
| 20/9/2016 1:31 | 58 | 21/9/2016 2:36 | 60 | 22/9/2016 3:41 | 61 |
| 20/9/2016 1:36 | 54 | 21/9/2016 2:41 | 58 | 22/9/2016 3:46 | 60 |
| 20/9/2016 1:41 | 57 | 21/9/2016 2:46 | 58 | 22/9/2016 3:51 | 61 |
| 20/9/2016 1:46 | 56 | 21/9/2016 2:51 | 59 | 22/9/2016 3:56 | 60 |
| 20/9/2016 1:51 | 58 | 21/9/2016 2:56 | 59 | 22/9/2016 4:01 | 60 |
| 20/9/2016 1:56 | 56 | 21/9/2016 3:01 | 58 | 2219/2016 4:06 | 61 |
| 20/9/2016 2:01 | 61 | 21/9/2016 3:06 | 58 | 22/9/2016 4:11 | 60 |
| 20/9/2016 2:06 | 58 | 21/9/2016 3:11 | 59 | 22/9/2016 4:16 | 61 |
| 20/9/2016 2:11 | 57 | 21/9/2016 3:16 | 58 | 22/9/2016 4:21 | 60 |
| 20/9/2016 2:16 | 56 | 21/9/2016 3:21 | 58 | 22/9/2016 4:26 | 61 |
| 20/9/2016 2:21 | 54 | 21/9/2016 3:26 | 57 | 22/9/2016 4:31 | 60 |
| 20/9/2016 2:26 | 55 | 21/9/2016 3:31 | 59 | 22/9/2016 4:36 | 60 |
| 20/9/2016 2:31 | 58 | 21/9/2016 3:36 | 59 | 22/9/2016 4:41 | 61 |
| 20/9/2016 2:36 | 62 | 21/9/2016 3:41 | 58 | 22/9/2016 4:46 | 61 |
| 20/9/2016 2:41 | 56 | 21/9/2016 3:46 | 59 | 22/9/2016 4:51 | 61 |
| 20/9/2016 2:46 | 51 | 21/9/2016 3:51 | 58 | 22/9/2016 4:56 | 61 |
| 20/9/2016 2:51 | 51 | 21/9/2016 3:56 | 59 | 22/9/2016 5:01 | 61 |
| 20/9/2016 2:56 | 51 | 21/9/2016 4:01 | 57 | 22/9/2016 5:06 | 61 |
| 20/9/2016 3:01 | 51 | 21/9/2016 4:06 | 57 | 22/9/2016 5:11 | 61 |
| 20/9/2016 3:06 | 50 | 21/9/2016 4:11 | 58 | 22/9/2016 5:16 | 61 |
| 20/9/2016 3:11 | 49 | 21/9/2016 4:16 | 58 | 22/9/2016 5:21 | 61 |
| 20/9/2016 3:16 | 60 | 21/9/2016 4:21 | 57 | 22/9/2016 5:26 | 61 |
| 20/9/2016 3:21 | 60 | 21/9/2016 4:26 | 58 | 22/9/2016 5:31 | 61 |
| 20/9/2016 3:26 | 58 | 21/9/2016 4:31 | 58 | 22/9/2016 5:36 | 62 |
| 20/9/2016 3:31 | 59 | 21/9/2016 4:36 | 58 | 22/9/2016 5:41 | 62 |
| 20/9/2016 3:36 | 59 | 21/9/2016 4:41 | 59 | 22/9/2016 5:46 | 61 |
| 20/9/2016 3:41 | 61 | 21/9/2016 4:46 | 57 | 22/9/2016 5:51 | 62 |
| 20/9/2016 3:46 | 61 | 21/9/2016 4:51 | 58 | 22/9/2016 5:56 | 61 |
| 20/9/2016 3:51 | 61 | 21/9/2016 4:56 | 58 | 22/9/2016 6:01 | 62 |
| 20/9/2016 3:56 | 60 | 21/9/2016 5:01 | 59 | 22/9/2016 6:06 | 62 |
| 20/9/2016 4:01 | 59 | 21/9/2016 5:06 | 58 | 22/9/2016 6:11 | 62 |
| 20/9/2016 4:06 | 58 | 21/9/2016 5:11 | 58 | 22/9/2016 6:16 | 54 |
| 20/9/2016 4:11 | 58 | 21/9/2016 5:16 | 58 | 22/9/2016 6:21 | 56 |
| 20/9/2016 4:16 | 58 | 21/9/2016 5:21 | 59 | 22/9/2016 6:26 | 56 |
| 20/9/2016 4:21 | 59 | 21/9/2016 5:26 | 58 | 22/9/2016 6:31 | 57 |
| 20/9/2016 4:26 | 57 | 21/9/2016 5:31 | 60 | 22/9/2016 6:36 | 59 |
| 20/9/2016 4:31 | 59 | 21/9/2016 5:36 | 59 | 22/9/2016 6:41 | 60 |
| 20/9/2016 4:36 | 60 | 21/9/2016 5:41 | 59 | 22/9/2016 6:46 | 60 |
| 20/9/2016 4:41 | 61 | 21/9/2016 5:46 | 61 | 22/9/2016 6:51 | 60 |
| 20/9/2016 4:46 | 61 | 21/9/2016 5:51 | 60 | 22/9/2016 6:56 | 61 |
| 20/9/2016 4:51 | 60 | 21/9/2016 5:56 | 60 | 22/9/2016 23:01 | 60 |
| 20/9/2016 4:56 | 60 | 21/9/2016 6:01 | 60 | 22/9/2016 23:06 | 60 |
| 20/9/2016 5:01 | 60 | 21/9/2016 6:06 | 61 | 22/9/2016 23:11 | 58 |
| 20/9/2016 5:06 | 60 | 2199/2016 6:11 | 61 | 22/9/2016 23:16 | 60 |
| 20/9/2016 5:11 | 60 | 21/9/2016 6:16 | 52 | 22/9/2016 23:21 | 60 |
| 20/9/2016 5:16 | 60 | 21/9/2016 6:21 | 51 | 22/9/2016 23:26 | 57 |
| 20/9/2016 5:21 | 60 | 21/9/2016 6:26 | 53 | 22/9/2016 23:31 | 59 |
| 20/9/2016 5:26 | 61 | 21/9/2016 6:31 | 57 | 22/9/2016 23:36 | 59 |
| 20/9/2016 5:31 | 61 | 21/9/2016 6:36 | 59 | 22/9/2016 23:41 | 60 |
| 20/9/2016 5:36 | 61 | 21/9/2016 6:41 | 59 | 22/9/2016 23:46 | 59 |
| 20/9/2016 5:41 | 61 | 21/9/2016 6:46 | 60 | 22/9/2016 23:51 | 57 |
| 20/9/2016 5:46 | 62 | 21/9/2016 6:51 | 61 | 22/9/2016 23:56 | 58 |
| 20/9/2016 5:51 | 56 | 21/9/2016 6:56 | 60 | 23/9/2016 0:01 | 57 |
| 20/9/2016 5:56 | 57 | 21/9/2016 23:01 | 59 | 23/9/2016 0:06 | 57 |
| 20/9/2016 6:01 | 48 | 2199/2016 23:06 | 59 | 23/9/2016 0:11 | 57 |
| $\begin{aligned} & \text { 20/9/2016 6:06 } \\ & \text { 20/9/2016 6:11 } \end{aligned}$ |  | 21/9/2016 23:11 |  | 23/9/2016 0:16 | 63 57 |

## 23/9/2016 0:26

 23/9/2016 0:31 23/9/2016 0:36 23/9/2016 0:41 23/9/2016 0:46 23/9/2016 0:51 23/9/2016 0:56 23/9/2016 1:01 23/9/2016 1:06 23/9/2016 1:11 23/9/2016 1:16 $23 / 9 / 20161: 21$$23 / 9 / 20161 \cdot 26$ 23/9/2016 1:26 23/9/2016 1:31 23/9/2016 1:41 23/9/2016 $1: 41$
$23 / 9 / 20161: 46$ 23/9/2016 1:51 23/9/2016 1:56 23/9/2016 2:01 23/9/2016 2:06 23/9/2016 2:11 23/9/2016 2:16 23/9/2016 2:21 23/9/2016 2:26 23/9/2016 2:31 $23 / 9 / 2016$ 2:36
$23 / 9 / 20162: 41$ 23/9/2016 2:46 23/9/2016 2:51 23/9/2016 2:56 23/9/2016 3:01 23/9/2016 3:01 3 3:06 23/9/2016 3:06 23/9/2016 3:11
23/9/2016 $3: 16$ 23/9/2016 3:16 23/9/2016 3:21 23/9/2016 3:31 23/9/2016 3:36 23/9/2016 3:41 23/9/2016 3:46 23/9/2016 3:51 23/9/2016 3:56 23/9/2016 4:01 23/9/2016 4:06 23/9/2016 4:11 23/9/2016 4:16 23/9/2016 4:26 23/9/2016 4:31 23/9/2016 4:36 23/9/2016 4:41 $23 / 9 / 20164: 41$
$23 / 9 / 20164: 46$ 23/9/2016 4:46
$23 / 9 / 20164: 51$ 23/9/2016 4:51 23/9/2016 4:56 23/9/2016 5:01 23/9/2016 5:06 23/9/2016 5:16 23/9/2016 5:21 23/9/2016 5:26 23/9/2016 5:31 23/9/2016 5:36 23/9/2016 5:41 23/9/2016 5:46 23/9/2016 5:51 23/9/2016 5:56 23/9/2016 6:01 23/9/2016 6:06 23/9/2016 6:11 23/9/2016 6:16 23/9/2016 6:21 23/9/2016 6:26 23/9/2016 6:31 23/9/2016 6:36 23/9/2016 6:41 23/9/2016 6:46 23/9/2016 6:51 23/9/2016 23:01 23/9/2016 23:01 23/9/2016 23:06 23/9/2016 23:11 23/9/2016 23:16 60 23/9/2016 23:21 5 23/9/2016 23:26 6 23/9/2016 23:31 6 23/9/2016 23:36 60 23/9/2016 23:41 23/9/2016 23:46 23/9/2016 23:51 23/9/2016 23:56 24/9/2016 0:01 24/9/2016 0:06 24/9/2016 0:06 24/9/2016 0:11 24/9/2016 0:16
24/9/2016 0:21 24/9/2016 0:21
24/9/2016 0:26 24/9/2016 0:26
24/2016 0:31 24/9/2016 0:31
24/9/2016 0:36 24/9/2016 0:36
24/9/2016 0:41 24/9/2016 0:41 $24 / 9 / 20160: 46$
$24 / 9 / 2016$
$0: 51$ 24/9/2016 0:51 24/9/2016 0:56 24/9/2016 1:01 24/9/2016 1:06 $24 / 9 / 2016$ 1:11
24/9/2016 1:16 24/9/2016 1:21 24/9/2016 1:26 55
 $24 / 9 / 20161: 3161: 3$
$24 / 9 / 20161: 41$
$24 / 9 / 20161: 4$ 24/9/2016 1:46 $24 / 9 / 20161: 51$
$24 / 9 / 20161: 56$ $24 / 9 / 2016$ 1:56
24/9/2016 2:01 24/9/2016 2:06 24/9/2016 2:11 24/9/2016 2:16 24/9/2016 2:21 24/9/2016 2:21 24/9/2016 2:26
24/9/2016 $2: 31$ 24/9/2016 2:31
24/9/2016 2:36 24/9/2016 2:36
24/9/2016 2:41 24/9/2016 2:41
24/9/2016 2:46 24/9/2016 2:51 24/9/2016 2:56 24/9/2016 3:01 24/9/2016 3:06 24/9/2016 3:11
24/9/2016 3:16 24/9/2016 3:16 24/9/2016 3:21 24/9/2016 3:31 24/9/2016 3:36
24/9/2016 $3: 41$ 24/9/2016 $3: 41$
$24 / 9 / 20163: 46$ 24/9/2016 3:51 24/9/2016 3:56 24/9/2016 4:01 24/9/2016 4:06 24/9/2016 4:11 24/9/2016 4:16
24/9/2016 4:21 24/9/2016 4:26 24/9/2016 4:31 24/9/2016 4:41 24/9/2016 4:46 24/9/2016 4:56 24/9/2016 5:01 24/9/2016 5:06
24/9/2016 5:11 24/9/2016 5:11 $24 / 9 / 20165: 21$
$24 / 9 / 20165: 26$ 24/9/2016 5:31 24/9/2016 5:36 24/9/2016 5:41 24/9/2016 5:51 24/9/2016 5:51 24/9/2016 5:56 24/9/2016 6:06 24/9/2016 6:11 24/9/2016 6:16 24/9/2016 6:26 24/9/2016 6:31 24/9/2016 6:36 24/9/2016 6:41 24/9/2016 6:46
24/9/2016 6:51 24/9/2016 6:56 24/9/2016 23:01 24/9/2016 23:11 24/9/2016 23:16 24/9/2016 23:21 24/9/2016 23:26 6 24/9/2016 23:31 5 $24 / 9 / 201623: 36$
$24 / 9 / 201623: 41$ $24 / 9 / 201623: 41$
$24 / 9 / 201623: 46$ 24/9/2016 23:46
24/9/2016 23:51 24/9/2016 23:56 25/9/2016 0:01 25/9/2016 0:06 25/9/2016 0:11 25/9/2016 0:16 25/9/2016 0:21
25/9/2016 0:26 $25 / 9 / 20160: 26$
$25 / 9 / 2016$
$0: 31$ 25/9/2016 0:36 25/9/2016 0:41 25/9/2016 0:46 25/9/2016 0:51 25/9/2016 1:01 25/9/2016 1:06 25/9/2016 1:11 25/9/2016 1:16 25/9/2016 1:21 25/9/2016 1:26 25/9/2016 1:31 25/9/2016 1:36
25/9/2016 1:41 25/9/2016 1:46 25/9/2016 1:51 25/9/2016 1:56 25/9/2016 2:01 25/9/2016 2:06 25/9/2016 2:11 25/9/2016 2:21 25/9/2016 2:26 25/9/2016 2:31 62

50
54
53
45
51




RTN2a (Hong Kong Electric Centre) | 1/9/2016 12:31 | 61 | 7/9/2016 7:01 |
| :--- | :--- | :--- | 1/9/2016 13:01

1/9/2016 13:3 1/9/2016 14:0 1/9/2016 14:31 1/9/2016 15:01 1/9/2016 16:01 1/9/2016 16:31 1/9/2016 17:31 1/9/2016 18:01 1/9/2016 18:31 2/9/2016 7:01 2/9/2016 8:01 2/9/2016 8:31 2/9/2016 9:01 2/9/2016 9:31 2/9/2016 10:01 2/9/2016 10:31 2/9/2016 11:01 2/9/2016 11:31 2/9/2016 12:01 2/9/2016 13:01 2/9/2016 13:31 2/9/2016 14:31 2/9/2016 15:01 2/9/2016 15:31 2/9/2016 16:01 2/9/2016 16:31 2/9/2016 17:01 2/9/2016 17:31 2/9/2016 18:01 3/9/2016 7:01 3/9/2016 7:3 3/9/2016 8:01 3/9/2016 8:31 3/9/2016 9:01 3/9/2016 9:31 3/9/2016 10:01 3/9/2016 10:31 3/9/2016 11:01 $3 / 9 / 201611: 31$
$3 / 9 / 201612.01$ 3/9/2016 12:31 3/9/2016 13:01 3/9/2016 13:31 3/9/2016 14:01 3/9/2016 14:31 3/9/2016 15:01 3/9/2016 15:31 3/9/2016 16:31 3/9/2016 17:01 3/9/2016 17:31 3/9/2016 18:01 3/9/2016 18:31 5/9/2016 7:01 5/9/2016 7:31 5/9/2016 8:01 5/9/2016 8:31 5/9/2016 9:01
$5 / 9 / 20169: 31$ 5/9/2016 9:31 $10: 01$ 5/9/2016 10:31 5/9/2016 11:01 5/9/2016 11:31 5/9/2016 12:01 5/9/2016 12:31 5/9/2016 13:01 5/9/2016 13:31 5/9/2016 14:01 5/9/2016 14:31 5/9/2016 15:31 5/9/2016 16:01 5/9/2016 16:31 5/9/2016 17:01 $5 / 9 / 201617: 31$
$5 / 9 / 201618: 01$ 5/9/2016 18:31 6/9/2016 7:01 6/9/2016 7:31 6/9/2016 8:01 6/9/2016 8:31 6/9/2016 9:01 6/9/2016 9:31 6/9/2016 10:31 6/9/2016 11:01 6/9/2016 11:01 6/9/2016 11:31 6/9/2016 12:31 6/9/2016 13:01 6/9/2016 13:31 6/9/2016 14:31 6/9/2016 15:01 6/9/2016 15:31 6/9/2016 16:01
6/9/2016 16:31 6/9/2016 16:31 6/9/2016 17:01
6/9/2016 17:31 6/9/2016 18:01 6/9/2016 18:31

12/9/2016 13:31 12/9/2016 14:01 5 12/9/2016 14:31 5 12/9/2016 15:01 59 2/9/2016 15:31 66 12/9/2016 16:01 60 12/9/2016 16:31 12/9/2016 17:01 12/9/2016 17:31 12/9/2016 18:01 12/9/2016 18:31 6 13/9/2016 7:01 13/9/2016 7:31 6 13/9/2016 8:01 13/9/2016 8:31 3/9/2016 9:01 13/9/2016 9:31 3/9/2016 10:01 3/9/2016 10:31 13/9/2016 11:01 3/9/2016 11:31 13/9/2016 12:01 64 13/9/2016 12:31 64 3/9/2016 13:01 59 13/9/2016 13:31 64 13/9/2016 14:01 64 3/9/2016 14:31 70 13/9/2016 15:01 68 13/9/2016 15:31 13/9/2016 16:01 66 13/9/2016 16:31 7 3/9/2016 17:01 68 3/9/2016 17:31 65 13/9/2016 18:01 63 3/9/2016 18:31 63 14/9/2016 7:01 60 4/9/2016 7:31 4/9/2016 8:01 14/9/2016 8:31 14/9/2016 9.01 $\begin{array}{ll}14 / 9 / 20169: 01 & 57 \\ 14 / 9 / 2016 & 9: 31 \\ 61\end{array}$ 4/9/2016 10.01 67 $4 / 9201610.0167$ $4 / 9201610.3148$ 4/9/2016 11:01 60 4/9/2016 11:31 57 4/9/2016 12:01 66 4/92016 12:31 63 14/9/2016 13:01 4/9/2016 13:31 4/9/2016 14:01 14/9/2016 14:31 14/9/2016 15:01 14/9/2016 15:31 72 4/9/2016 16:01 63 4/9/2016 16:31 70 4/9/2016 17:01 70 4/9/2016 17:31 64 4/9/2016 18:01 4/9/2016 18:31 15/9/2016 7:01 15/9/2016 7:31 5/9/2016 8:01 15/9/2016 8:31 67 5/9/2016 9:01 67 15/9/2016 9:31 70 15/9/2016 10:01 7 5/9/2016 10:31 71 15/9/2016 11:01 15/9/2016 11:31 50 15/9/2016 12:01 15/9/2016 12:31 15/9/2016 13:01 15/9/2016 13:31 66 5/9/2016 14:01 67 5/9/2016 14:31 67 5/9/2016 15:01 66 5/9/2016 15:31 69 5/9/2016 16:01 65 5/9/2016 16:31 62 15/9/2016 17:01 5/9/2016 17:31 15/9/2016 18:01 15/9/2016 18:31 17/9/2016 7:01 5 17/9/2016 7:31 6 7/9/2016 8:01 66 17/9/2016 8:31 6 17/9/2016 9:01 6 17/9/2016 9:31 7 17/9/2016 10:01 17/9/2016 10:31 6 17/9/2016 11:01 17/9/2016 11:31 17/9/2016 12:01 64 17/9/2016 12:31 65 17/9/2016 13:01 56 17/9/2016 13:31 63 7/9/2016 14:01 67 7/9/2016 14:31 68 17/9/2016 15:01 17/9/2016 15:31 17/9/2016 16:01 71 17/9/2016 16:31 71 17/9/2016 17:01 69 17/9/2016 17:31 65 17/9/2016 18:01 63 17/9/2016 18:31 61 $\begin{array}{ll}\text { 19/9/2016 7:01 } & 61 \\ \text { 19/9/2016 7:31 } & 63\end{array}$
 Normal Day 19:00-23:00, Sunday \& Holiday 07.00-23.00

27/8/2016 19:01 50 27/8/2016 19:06 61 27/8/2016 19:11 60 27/8/2016 19:16 54 27/8/2016 19:21 61 27/8/2016 19:26 61 27/8/2016 19:31 61 27/8/2016 19:36 27/8/2016 19:41 27/8/2016 19:46 27/8/2016 19:51 27/8/2016 19:56 60
$27 / 8 / 2016$ 20:01 27/8/2016 20:01 60 27/8/2016 20:06 61 27/8/2016 20:16 61 27/8/2016 20.16 27/8/2016 20:26 27/8/2016 20:31 27/8/2016 20:36 27/8/2016 20:41 27/8/2016 20:46 59 27/8/2016 20:51 60 27/8/2016 20:56 59 27/8/2016 21:06 5 27/8/2016 21:11 27/8/2016 21:16 27/8/2016 21:21 27/8/2016 21:26 27/8/2016 21:36 27/8/2016 21:41 27/8/2016 21:46 61 27/8/2016 21:51 60 27/8/2016 21:56 59 27/8/2016 22:01 27/8/2016 22:06 27/8/2016 22:11 27/8/2016 22:16 27/8/2016 22:21 27/8/2016 22:26 27/8/2016 22:31 $\begin{array}{lll}27 / 8 / 2016 & 22: 36 & 59 \\ 27 / 8 / 2016 & 22.41 & 59\end{array}$ 27/8/2016 22:41 59 27/8/2016 22:51 60

| $\frac{\text { Real-time Noise }}{2718016}$ | Data | RTN2a (Hong Kong | Electri |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27/8/2016 22:56 | 59 | 28/8/2016 16:01 | 61 | 29/8/2016 21:06 60 | 31/8/2016 22:11 | 60 |
| 28/8/2016 7:01 | 58 | 28/8/2016 16:06 | 61 | 29/8/2016 21:11 60 | 31/8/2016 22:16 | 59 |
| 28/8/2016 7:06 | 58 | 28/8/2016 16:11 | 62 | 29/8/2016 21:16 59 | 31/8/2016 22:21 | 59 |
| 28/8/2016 7:11 | 61 | 28/8/2016 16:16 | 52 | 29/8/2016 21:21 60 | 31/8/2016 22:26 | 59 |
| 28/8/2016 7:16 | 58 | 28/8/2016 16:21 | 59 | 29/8/2016 21:26 59 | 31/8/2016 22:31 | 59 |
| 28/8/2016 7:21 | 60 | 28/8/2016 16:26 | 61 | 29/8/2016 21:31 59 | 31/8/2016 22:36 | 59 |
| 28/8/2016 7:26 | 58 | 28/8/2016 16:31 | 61 | 29/8/2016 21:36 61 | 31/8/2016 22:41 | 59 |
| 28/8/2016 7:31 | 60 | 28/8/2016 16:36 | 61 | 29/8/2016 21:41 61 | 31/8/2016 22:46 | 59 |
| 28/8/2016 7:36 | 59 | 28/8/2016 16:41 | 47 | 29/8/2016 21:46 62 | 31/8/2016 22:51 | 59 |
| 28/8/2016 7:41 | 59 | 28/8/2016 16:46 | 61 | 29/8/2016 21:51 60 | 31/8/2016 22:56 | 9 |
| 28/8/2016 7:46 | 60 | 28/8/2016 16:51 | 62 | 29/8/2016 21:56 59 | 1/9/2016 19:01 | 61 |
| 28/8/2016 7:51 | 59 | 28/8/2016 16:56 | 61 | 29/8/2016 22:01 60 | 1/9/2016 19:06 | 62 |
| 28/8/2016 7:56 | 59 | 28/8/2016 17:01 | 61 | 29/8/2016 22:06 60 | 1/9/2016 19:11 | 61 |
| 28/8/2016 8:01 | 59 | 28/8/2016 17:06 | 57 | 29/8/2016 22:11 60 | 1/9/2016 19:16 | 62 |
| 28/8/2016 8:06 | 60 | 28/8/2016 17:11 | 61 | 29/8/2016 22:16 59 | 1/9/2016 19:21 | 62 |
| 28/8/2016 8:11 | 59 | 28/8/2016 17:16 | 61 | 29/8/2016 22:21 59 | 1/9/2016 19:26 | 40 |
| 28/8/2016 8:16 | 61 | 28/8/2016 17:21 | 61 | 29/8/2016 22:26 60 | 1/9/2016 19:31 | 62 |
| 28/8/2016 8:21 | 60 | 28/8/2016 17:26 | 61 | 29/8/2016 22:31 59 | 1/9/2016 19:36 | 61 |
| 28/8/2016 8:26 | 60 | 28/8/2016 17:31 | 60 | 29/8/2016 22:36 60 | 1/9/2016 19:41 | 62 |
| 28/8/2016 8:31 | 60 | 28/8/2016 17:36 | 61 | 29/8/2016 22:41 60 | 1/9/2016 19:46 | 62 |
| 28/8/2016 8:36 | 60 | 28/8/2016 17:41 | 61 | 29/8/2016 22:46 59 | 1/9/2016 19:51 | 61 |
| 28/8/2016 8:41 | 61 | 28/8/2016 17:46 | 60 | 29/8/2016 22:51 59 | 1/9/2016 19:56 | 62 |
| 28/8/2016 8:46 | 61 | 28/8/2016 17:51 | 61 | 29/8/2016 22:56 59 | 1/9/2016 20:01 | 62 |
| 28/8/2016 8:51 | 61 | 28/8/2016 17:56 | 61 | 30/8/2016 19:01 61 | 1/9/2016 20:06 | 54 |
| 28/8/2016 8:56 | 60 | 28/8/2016 18:01 | 60 | 30/8/2016 19:06 60 | 1/9/2016 20:11 | 54 |
| 28/8/2016 9:01 | 60 | 28/8/2016 18:06 | 61 | 30/8/2016 19:11 60 | 1/9/2016 20:16 | 62 |
| 28/8/2016 9:06 | 61 | 28/8/2016 18:11 | 62 | 30/8/2016 19:16 60 | 1/9/2016 20:21 | 62 |
| 28/8/2016 9:11 | 61 | 28/8/2016 18:16 | 61 | 30/8/2016 19:21 60 | 1/9/2016 20:26 | 62 |
| 28/8/2016 9:16 | 61 | 28/8/2016 18:21 | 61 | 30/8/2016 19:26 60 | 1/9/2016 20:31 | 62 |
| 28/8/2016 9:21 | 61 | 28/8/2016 18:26 | 61 | 30/8/2016 19:31 60 | 1/9/2016 20:36 | 61 |
| 28/8/2016 9:26 | 60 | 28/8/2016 18:31 | 61 | 30/8/2016 19:36 61 | 1/9/2016 20:41 | 61 |
| 28/8/2016 9:31 | 61 | 28/8/2016 18:36 | 59 | 30/8/2016 19:41 60 | 1/9/2016 20:46 | 61 |
| 28/8/2016 9:36 | 62 | 28/8/2016 18:41 | 59 | 30/8/2016 19:46 60 | 1/9/2016 20:51 | 62 |
| 28/8/2016 9:41 | 62 | 28/8/2016 18:46 | 60 | 30/8/2016 19:51 60 | 1/9/2016 20:56 | 62 |
| 28/8/2016 9:46 | 61 | 28/8/2016 18:51 | 60 | 30/8/2016 19:56 60 | 1/9/2016 21:01 | 50 |
| 28/8/2016 9:51 | 61 | 28/8/2016 18:56 | 60 | 30/8/2016 20:01 60 | 1/9/2016 21:06 | 61 |
| 28/8/2016 9:56 | 61 | 28/8/2016 19:01 | 60 | 30/8/2016 20:06 60 | 1/9/2016 21:11 | 61 |
| 28/8/2016 10:01 | 61 | 28/8/2016 19:06 | 61 | 30/8/2016 20:11 60 | 1/9/2016 21:16 | 61 |
| 28/8/2016 10:06 | 61 | 28/8/2016 19:11 | 60 | 30/8/2016 20:16 60 | 1/9/2016 21:21 | 60 |
| 28/8/2016 10:11 | 61 | 28/8/2016 19:16 | 60 | 30/8/2016 20:21 60 | 1/9/2016 21:26 | 61 |
| 28/8/2016 10:16 | 54 | 28/8/2016 19:21 | 58 | 30/8/2016 20:26 60 | 1/9/2016 21:31 | 60 |
| 28/8/2016 10:21 | 62 | 28/8/2016 19:26 | 61 | 30/8/2016 20:31 60 | 1/9/2016 21:36 | 60 |
| 28/8/2016 10:26 | 61 | 28/8/2016 19:31 | 60 | 30/8/2016 20:36 60 | 1/9/2016 21:41 | 60 |
| 28/8/2016 10:31 | 61 | 28/8/2016 19:36 | 60 | 30/8/2016 20:41 58 | 1/9/2016 21:46 | 60 |
| 28/8/2016 10:36 | 61 | 28/8/2016 19:41 | 60 | 30/8/2016 20:46 62 | 1/9/2016 21:51 | 61 |
| 28/8/2016 10:41 | 62 | 28/8/2016 19:46 | 60 | 30/8/2016 20:51 59 | 1/9/2016 21:56 | 60 |
| 28/8/2016 10:46 | 50 | 28/8/2016 19:51 | 60 | 30/8/2016 20:56 60 | 1/9/2016 22:01 | 60 |
| 28/8/2016 10:51 | 61 | 28/8/2016 19:56 | 60 | 30/8/2016 21:01 60 | 1/9/2016 22:06 | 60 |
| 28/8/2016 10:56 | 60 | 28/8/2016 20:01 | 62 | 30/8/2016 21:06 59 | 1/9/2016 22:11 | 60 |
| 28/8/2016 11:01 | 60 | 28/8/2016 20:06 | 60 | 30/8/2016 21:11 60 | 1/9/2016 22:16 | 60 |
| 28/8/2016 11:06 | 60 | 28/8/2016 20:11 | 60 | 30/8/2016 21:16 59 | 1/9/2016 22:21 | 60 |
| 28/8/2016 11:11 | 60 | 28/8/2016 20:16 | 60 | 30/8/2016 21:21 59 | 1/9/2016 22:26 | 60 |
| 28/8/2016 11:16 | 60 | 28/8/2016 20:21 | 61 | 30/8/2016 21:26 59 | 1/9/2016 22:31 | 60 |
| 28/8/2016 11:21 | 60 | 28/8/2016 20:26 | 60 | 30/8/2016 21:31 60 | 1/9/2016 22:36 | 60 |
| 28/8/2016 11:26 | 60 | 28/8/2016 20:31 | 60 | 30/8/2016 21:36 59 | 1/9/2016 22:41 | 61 |
| 28/8/2016 11:31 | 60 | 28/8/2016 20:36 | 59 | 30/8/2016 21:41 59 | 1/9/2016 22:46 | 60 |
| 28/8/2016 11:36 | 60 | 28/8/2016 20:41 | 60 | 30/8/2016 21:46 59 | 1/9/2016 22:51 | 60 |
| 28/8/2016 11:41 | 59 | 28/8/2016 20:46 | 60 | 30/8/2016 21:51 59 | 1/9/2016 22:56 | 60 |
| 28/8/2016 11:46 | 59 | 28/8/2016 20:51 | 60 | 30/8/2016 21:56 61 | 2/9/2016 19:01 | 60 |
| 28/8/2016 11:51 | 60 | 28/8/2016 20:56 | 61 | 30/8/2016 22:01 60 | 2/9/2016 19:06 | 60 |
| 28/8/2016 11:56 | 60 | 28/8/2016 21:01 | 61 | 30/8/2016 22:06 59 | 2/9/2016 19:11 | 60 |
| 28/8/2016 12:01 | 60 | 28/8/2016 21:06 | 60 | 30/8/2016 22:11 60 | 2/9/2016 19:16 | 60 |
| 28/8/2016 12:06 | 60 | 28/8/2016 21:11 | 59 | 30/8/2016 22:16 60 | 2/9/2016 19:21 | 60 |
| 28/8/2016 12:11 | 54 | 28/8/2016 21:16 | 60 | 30/8/2016 22:21 59 | 2/9/2016 19:26 | 60 |
| 28/8/2016 12:16 | 60 | 28/8/2016 21:21 | 60 | 30/8/2016 22:26 59 | 2/9/2016 19:31 | 60 |
| 28/8/2016 12:21 | 60 | 28/8/2016 21:26 | 59 | 30/8/2016 22:31 59 | 2/9/2016 19:36 | 47 |
| 28/8/2016 12:26 | 61 | 28/8/2016 21:31 | 60 | 30/8/2016 22:36 59 | 2/9/2016 19:41 | 60 |
| 28/8/2016 12:31 | 60 | 28/8/2016 21:36 | 59 | 30/8/2016 22:41 61 | 2/9/2016 19:46 | 60 |
| 28/8/2016 12:36 | 61 | 28/8/2016 21:41 | 60 | 30/8/2016 22:46 59 | 2/9/2016 19:51 | 60 |
| 28/8/2016 12:41 | 61 | 28/8/2016 21:46 | 60 | 30/8/2016 22:51 60 | 2/9/2016 19:56 | 61 |
| 28/8/2016 12:46 | 61 | 28/8/2016 21:51 | 59 | 30/8/2016 22:56 59 | 2/9/2016 20:01 | 61 |
| 28/8/2016 12:51 | 61 | 28/8/2016 21:56 | 59 | 31/8/2016 19:01 59 | 2/9/2016 20:06 | 60 |
| 28/8/2016 12:56 | 51 | 28/8/2016 22:01 | 60 | 31/8/2016 19:06 60 | 2/9/2016 20:11 | 60 |
| 28/8/2016 13:01 | 61 | 28/8/2016 22:06 | 60 | 31/8/2016 19:11 59 | 2/9/2016 20:16 | 60 |
| 28/8/2016 13:06 | 61 | 28/8/2016 22:11 | 59 | 31/8/2016 19:16 60 | 2/9/2016 20:21 | 61 |
| 28/8/2016 13:11 | 43 | 28/8/2016 22:16 | 60 | 31/8/2016 19:21 60 | 2/9/2016 20:26 | 60 |
| 28/8/2016 13:16 | 60 | 28/8/2016 22:21 | 59 | 31/8/2016 19:26 60 | 2/9/2016 20:31 | 61 |
| 28/8/2016 13:21 | 61 | 28/8/2016 22:26 | 59 | 31/8/2016 19:31 60 | 2/9/2016 20:36 | 60 |
| 28/8/2016 13:26 | 61 | 28/8/2016 22:31 | 59 | 31/8/2016 19:36 60 | 2/9/2016 20:41 | 50 |
| 28/8/2016 13:31 | 60 | 28/8/2016 22:36 | 59 | 31/8/2016 19:41 60 | 2/9/2016 20:46 | 60 |
| 28/8/2016 13:36 | 61 | 28/8/2016 22:41 | 59 | 31/8/2016 19:46 60 | 2/9/2016 20:51 | 60 |
| 28/8/2016 13:41 | 61 | 28/8/2016 22:46 | 59 | 31/8/2016 19:51 60 | 2/9/2016 20:56 | 60 |
| 28/8/2016 13:46 | 62 | 28/8/2016 22:51 | 60 | 31/8/2016 19:56 60 | 2/9/2016 21:01 | 60 |
| 28/8/2016 13:51 | 61 | 28/8/2016 22:56 | 59 | 31/8/2016 20:01 60 | 2/9/2016 21:06 | 60 |
| 28/8/2016 13:56 | 61 | 29/8/2016 19:01 | 51 | 31/8/2016 20:06 61 | 2/9/2016 21:11 | 60 |
| 28/8/2016 14:01 | 49 | 29/8/2016 19:06 | 65 | 31/8/2016 20:11 61 | 2/9/2016 21:16 | 60 |
| 28/8/2016 14:06 | 61 | 29/8/2016 19:11 | 60 | 31/8/2016 20:16 62 | 2/9/2016 21:21 | 60 |
| 28/8/2016 14:11 | 61 | 29/8/2016 19:16 | 59 | 31/8/2016 20:21 59 | 2/9/2016 21:26 | 60 |
| 28/8/2016 14:16 | 61 | 29/8/2016 19:21 | 53 | 31/8/2016 20:26 59 | 2/9/2016 21:31 | 60 |
| 28/8/2016 14:21 | 55 | 29/8/2016 19:26 | 59 | 31/8/2016 20:31 60 | 2/9/2016 21:36 | 61 |
| 28/8/2016 14:26 | 54 | 29/8/2016 19:31 | 61 | 31/8/2016 20:36 60 | 2/9/2016 21:41 | 61 |
| 28/8/2016 14:31 | 61 | 29/8/2016 19:36 | 61 | 31/8/2016 20:41 60 | 2/9/2016 21:46 | 60 |
| 28/8/2016 14:36 | 61 | 29/8/2016 19:41 | 60 | 31/8/2016 20:46 59 | 2/9/2016 21:51 | 60 |
| 28/8/2016 14:41 | 61 | 29/8/2016 19:46 | 60 | 31/8/2016 20:51 60 | 2/9/2016 21:56 | 60 |
| 28/8/2016 14:46 | 61 | 29/8/2016 19:51 | 61 | 31/8/2016 20:56 59 | 2/9/2016 22:01 | 60 |
| 28/8/2016 14:51 | 62 | 29/8/2016 19:56 | 60 | 31/8/2016 21:01 59 | 2/9/2016 22:06 | 60 |
| 28/8/2016 14:56 | 62 | 29/8/2016 20:01 | 60 | 31/8/2016 21:06 61 | 2/9/2016 22:11 | 60 |
| 28/8/2016 15:01 | 61 | 29/8/2016 20:06 | 55 | 31/8/2016 21:11 59 | 2/9/2016 22:16 | 60 |
| 28/8/2016 15:06 | 61 | 29/8/2016 20:11 | 61 | 31/8/2016 21:16 59 | 2/9/2016 22:21 | 60 |
| 28/8/2016 15:11 | 61 | 29/8/2016 20:16 | 60 | 31/8/2016 21:21 60 | 2/9/2016 22:26 | 60 |
| 28/8/2016 15:16 | 55 | 29/8/2016 20:21 | 61 | 31/8/2016 21:26 59 | 2/9/2016 22:31 | 60 |
| 28/8/2016 15:21 | 59 | 29/8/2016 20:26 | 60 | 31/8/2016 21:31 59 | 2/9/2016 22:36 | 60 |
| 28/8/2016 15:26 | 58 | 29/8/2016 20:31 | 60 | 31/8/2016 21:36 59 | 2/9/2016 22:41 | 60 |
| 28/8/2016 15:31 | 61 | 29/8/2016 20:36 | 60 | 31/8/2016 21:41 59 | 2/9/2016 22:46 | 60 |
| 28/8/2016 15:36 | 60 | 29/8/2016 20:41 | 60 | 31/8/2016 21:46 59 | 2/9/2016 22:51 | 60 |
| 28/8/2016 15:41 | 60 | 29/8/2016 20:46 | 60 | 31/8/2016 21:51 60 | 2/9/2016 22:56 | 60 |
| 28/8/2016 15:46 | 60 | 29/8/2016 20:51 | 60 | 31/8/2016 21:56 60 | 3/9/2016 19:01 | 60 |
| $\begin{aligned} & \text { 28/8/2016 15:51 } \\ & \text { 28/8/2016 15:56 } \end{aligned}$ | $\begin{aligned} & 61 \\ & 61 \end{aligned}$ | 29/8/2016 20:56 |  | $31 / 8 / 201622: 0159$ $31 / 8 / 201622: 0659$ | 3/9/2016 19:06 | 60 |


| 3/9/2016 19:16 | 60 | 4/9/2016 12:21 | 48 |
| :---: | :---: | :---: | :---: |
| 3/9/2016 19:21 | 60 | 4/9/2016 12:26 | 61 |
| 3/9/2016 19:26 | 60 | 4/9/2016 12:31 | 62 |
| 3/9/2016 19:31 | 61 | 4/9/2016 12:36 | 60 |
| 3/9/2016 19:36 | 61 | 4/9/2016 12:41 | 60 |
| 3/9/2016 19:41 | 61 | 4/9/2016 12:46 | 60 |
| 3/9/2016 19:46 | 61 | 4/9/2016 12:51 | 54 |
| 3/9/2016 19:51 | 61 | 4/9/2016 12:56 | 62 |
| 3/9/2016 19:56 | 61 | 4/9/2016 13:01 | 61 |
| 3/9/2016 20:01 | 61 | 4/9/2016 13:06 | 61 |
| 3/9/2016 20:06 | 60 | 4/9/2016 13:11 | 61 |
| 3/9/2016 20:11 | 60 | 4/9/2016 13:16 | 61 |
| 3/9/2016 20:16 | 60 | 4/9/2016 13:21 | 62 |
| 3/9/2016 20:21 | 60 | 4/9/2016 13:26 | 51 |
| 3/9/2016 20:26 | 60 | 4/9/2016 13:31 | 62 |
| 3/9/2016 20:31 | 60 | 4/9/2016 13:36 | 61 |
| 3/9/2016 20:36 | 61 | 4/9/2016 13:41 | 59 |
| 3/9/2016 20:41 | 60 | 4/9/2016 13:46 | 62 |
| 3/9/2016 20:46 | 61 | 4/9/2016 13:51 | 62 |
| 3/9/2016 20:51 | 60 | 4/9/2016 13:56 | 61 |
| 3/9/2016 20:56 | 60 | 4/9/2016 14:01 | 62 |
| 3/9/2016 21:01 | 60 | 4/9/2016 14:06 | 62 |
| 3/9/2016 21:06 | 60 | 4/9/2016 14:11 | 62 |
| 3/9/2016 21:11 | 60 | 4/9/2016 14:16 | 61 |
| 3/9/2016 21:16 | 60 | 4/9/2016 14:21 | 62 |
| 3/9/2016 21:21 | 60 | 4/9/2016 14:26 | 62 |
| 3/9/2016 21:26 | 60 | 4/9/2016 14:31 | 45 |
| 3/9/2016 21:31 | 60 | 4/9/2016 14:36 | 62 |
| 3/9/2016 21:36 | 60 | 4/9/2016 14:41 | 55 |
| 3/9/2016 21:41 | 61 | 4/9/2016 14:46 | 54 |
| 3/9/2016 21:46 | 60 | 4/9/2016 14:51 | 45 |
| 3/9/2016 21:51 | 61 | 4/9/2016 14:56 | 62 |
| 3/9/2016 21:56 | 62 | 4/9/2016 15:01 | 49 |
| 3/9/2016 22:01 | 61 | 4/9/2016 15:06 | 58 |
| 3/9/2016 22:06 | 61 | 4/9/2016 15:11 | 54 |
| 3/9/2016 22:11 | 62 | 4/9/2016 15:16 | 61 |
| 3/9/2016 22:16 | 60 | 4/9/2016 15:21 | 62 |
| 3/9/2016 22:21 | 60 | 4/9/2016 15:26 | 50 |
| 3/9/2016 22:26 | 61 | 4/9/2016 15:31 | 52 |
| 3/9/2016 22:31 | 60 | 4/9/2016 15:36 | 61 |
| 3/9/2016 22:36 | 61 | 4/9/2016 15:41 | 61 |
| 3/9/2016 22:41 | 61 | 4/9/2016 15:46 | 62 |
| 3/9/2016 22:46 | 60 | 4/9/2016 15:51 | 61 |
| 3/9/2016 22:51 | 60 | 4/9/2016 15:56 | 62 |
| 3/9/2016 22:56 | 61 | 4/9/2016 16:01 | 61 |
| 4/9/2016 7:01 | 59 | 4/9/2016 16:06 | 61 |
| 4/9/2016 7:06 | 60 | 4/9/2016 16:11 | 61 |
| 4/9/2016 7:11 | 59 | 4/9/2016 16:16 | 61 |
| 4/9/2016 7:16 | 59 | 4/9/2016 16:21 | 61 |
| 4/9/2016 7:21 | 59 | 4/9/2016 16:26 | 61 |
| 4/9/2016 7:26 | 57 | 4/9/2016 16:31 | 61 |
| 4/9/2016 7:31 | 61 | 4/9/2016 16:36 | 51 |
| 4/9/2016 7:36 | 59 | 4/9/2016 16:41 | 61 |
| 4/9/2016 7:41 | 59 | 4/9/2016 16:46 | 61 |
| 4/9/2016 7:46 | 60 | 4/9/2016 16:51 | 60 |
| 4/9/2016 7:51 | 58 | 4/9/2016 16:56 | 61 |
| 4/9/2016 7:56 | 60 | 4/9/2016 17:01 | 61 |
| 4/9/2016 8:01 | 60 | 4/9/2016 17:06 | 61 |
| 4/9/2016 8:06 | 60 | 4/9/2016 17:11 | 61 |
| 4/9/2016 8:11 | 61 | 4/9/2016 17:16 | 61 |
| 4/9/2016 8:16 | 46 | 4/9/2016 17:21 | 61 |
| 4/9/2016 8:21 | 60 | 4/9/2016 17:26 | 60 |
| 4/9/2016 8:26 | 60 | 4/9/2016 17:31 | 61 |
| 4/9/2016 8:31 | 60 | 4/9/2016 17:36 | 61 |
| 4/9/2016 8:36 | 61 | 4/9/2016 17:41 | 61 |
| 4/9/2016 8:41 | 53 | 4/9/2016 17:46 | 61 |
| 4/9/2016 8:46 | 61 | 4/9/2016 17:51 | 42 |
| 4/9/2016 8:51 | 61 | 4/9/2016 17:56 | 49 |
| 4/9/2016 8:56 | 62 | 4/9/2016 18:01 | 49 |
| 4/9/2016 9:01 | 54 | 4/9/2016 18:06 | 52 |
| 4/9/2016 9:06 | 61 | 4/9/2016 18:11 | 55 |
| 4/9/2016 9:11 | 48 | 4/9/2016 18:16 | 61 |
| 4/9/2016 9:16 | 62 | 4/9/2016 18:21 | 61 |
| 4/9/2016 9:21 | 61 | 4/9/2016 18:26 | 61 |
| 4/9/2016 9:26 | 61 | 4/9/2016 18:31 | 62 |
| 4/9/2016 9:31 | 50 | 4/9/2016 18:36 | 60 |
| 4/9/2016 9:36 | 61 | 4/9/2016 18:41 | 61 |
| 4/9/2016 9:41 | 47 | 4/9/2016 18:46 | 61 |
| 4/9/2016 9:46 | 61 | 4/9/2016 18:51 | 61 |
| 4/9/2016 9:51 | 62 | 4/9/2016 18:56 | 60 |
| 4/9/2016 9:56 | 61 | 4/9/2016 19:01 | 61 |
| 4/9/2016 10:01 | 47 | 4/9/2016 19:06 | 60 |
| 4/9/2016 10:06 | 53 | 4/9/2016 19:11 | 60 |
| 4/9/2016 10:11 | 43 | 4/9/2016 19:16 | 61 |
| 4/9/2016 10:16 | 62 | 4/9/2016 19:21 | 60 |
| 4/9/2016 10:21 | 40 | 4/9/2016 19:26 | 62 |
| 4/9/2016 10:26 | 58 | 4/9/2016 19:31 | 60 |
| 4/9/2016 10:31 | 48 | 4/9/2016 19:36 | 60 |
| 4/9/2016 10:36 | 48 | 4/9/2016 19:41 | 52 |
| 4/9/2016 10:41 | 62 | 4/9/2016 19:46 | 60 |
| 4/9/2016 10:46 | 46 | 4/9/2016 19:51 | 60 |
| 4/9/2016 10:51 | 62 | 4/9/2016 19:56 | 59 |
| 4/9/2016 10:56 | 61 | 4/9/2016 20:01 | 60 |
| 4/9/2016 11:01 | 61 | 4/9/2016 20:06 | 59 |
| 4/9/2016 11:06 | 61 | 4/9/2016 20:11 | 60 |
| 4/9/2016 11:11 | 61 | 4/9/2016 20:16 | 60 |
| 4/9/2016 11:16 | 48 | 4/9/2016 20:21 | 61 |
| 4/9/2016 11:21 | 62 | 4/9/2016 20:26 | 60 |
| 4/9/2016 11:26 | 61 | 4/9/2016 20:31 | 60 |
| 4/9/2016 11:31 | 62 | 4/9/2016 20:36 | 60 |
| 4/9/2016 11:36 | 61 | 4/9/2016 20:41 | 60 |
| 4/9/2016 11:41 | 61 | 4/9/2016 20:46 | 61 |
| 4/9/2016 11:46 | 61 | 4/9/2016 20:51 | 60 |
| 4/9/2016 11:51 | 61 | 4/9/2016 20:56 | 60 |
| 4/9/2016 11:56 | 61 | 4/9/2016 21:01 | 60 |
| 4/9/2016 12:01 | 56 | 4/9/2016 21:06 | 60 |
| 4/9/2016 12:06 | 61 | 4/9/2016 21:11 | 60 |
| $\begin{aligned} & \text { 4/9/2016 12:11 } \\ & \text { 4/9/2016 12:16 } \end{aligned}$ |  | 4/9/2016 21:16 4/9/2016 21:21 | 60 60 |



| Real-time Noise | Data | TN2a (Hong Kong | Elect |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15/9/2016 19:56 | 60 | 16/9/2016 13:01 | 52 | 16/9/2016 22:06 | 59 |
| 15/9/2016 20:01 | 60 | 16/9/2016 13:06 | 61 | 16/9/2016 22:11 | 59 |
| 15/9/2016 20:06 | 60 | 16/9/2016 13:11 | 60 | 16/9/2016 22:16 | 61 |
| 15/9/2016 20:11 | 60 | 16/9/2016 13:16 | 60 | 16/9/2016 22:21 | 59 |
| 15/9/2016 20:16 | 60 | 16/9/2016 13:21 | 60 | 16/9/2016 22:26 | 60 |
| 15/9/2016 20:21 | 60 | 16/9/2016 13:26 | 61 | 16/9/2016 22:31 | 59 |
| 15/9/2016 20:26 | 59 | 16/9/2016 13:31 | 60 | 16/9/2016 22:36 | 60 |
| 15/9/2016 20:31 | 59 | 16/9/2016 13:36 | 60 | 16/9/2016 22:41 | 60 |
| 15/9/2016 20:36 | 59 | 16/9/2016 13:41 | 61 | 16/9/2016 22:46 | 59 |
| 15/9/2016 20:41 | 60 | 16/9/2016 13:46 | 60 | 16/9/2016 22:51 | 59 |
| 15/9/2016 20:46 | 61 | 16/9/2016 13:51 | 61 | 16/9/2016 22:56 | 60 |
| 15/9/2016 20:51 | 61 | 16/9/2016 13:56 | 61 | 17/9/2016 19:01 | 61 |
| 15/9/2016 20:56 | 59 | 16/9/2016 14:01 | 60 | 17/9/2016 19:06 | 58 |
| 15/9/2016 21:01 | 59 | 16/9/2016 14:06 | 50 | 17/9/2016 19:11 | 61 |
| 15/9/2016 21:06 | 60 | 16/9/2016 14:11 | 61 | 17/9/2016 19:16 | 60 |
| 15/9/2016 21:11 | 59 | 16/9/2016 14:16 | 60 | 17/9/2016 19:21 | 60 |
| 15/9/2016 21:16 | 60 | 16/9/2016 14:21 | 60 | 17/9/2016 19:26 | 60 |
| 15/9/2016 21:21 | 61 | 16/9/2016 14:26 | 60 | 17/9/2016 19:31 | 60 |
| 15/9/2016 21:26 | 59 | 16/9/2016 14:31 | 60 | 17/9/2016 19:36 | 60 |
| 15/9/2016 21:31 | 51 | 16/9/2016 14:36 | 60 | 17/9/2016 19:41 | 61 |
| 15/9/2016 21:36 | 60 | 16/9/2016 14:41 | 59 | 17/9/2016 19:46 | 60 |
| 15/9/2016 21:41 | 60 | 16/9/2016 14:46 | 60 | 17/9/2016 19:51 | 60 |
| 15/9/2016 21:46 | 59 | 16/9/2016 14:51 | 60 | 17/9/2016 19:56 | 60 |
| 15/9/2016 21:51 | 54 | 16/9/2016 14:56 | 59 | 17/9/2016 20:01 | 59 |
| 15/9/2016 21:56 | 60 | 16/9/2016 15:01 | 60 | 17/9/2016 20:06 | 60 |
| 15/9/2016 22:01 | 60 | 16/9/2016 15:06 | 60 | 17/9/2016 20:11 | 60 |
| 15/9/2016 22:06 | 59 | 16/9/2016 15:11 | 60 | 17/9/2016 20:16 | 59 |
| 15/9/2016 22:11 | 59 | 16/9/2016 15:16 | 60 | 17/9/2016 20:21 | 59 |
| 15/9/2016 22:16 | 59 | 16/9/2016 15:21 | 60 | 17/9/2016 20:26 | 60 |
| 15/9/2016 22:21 | 59 | 16/9/2016 15:26 | 60 | 17/9/2016 20:31 |  |
| 15/9/2016 22:26 | 60 | 16/9/2016 15:31 | 60 | 17/9/2016 20:36 | 60 |
| 15/9/2016 22:31 | 60 | 16/9/2016 15:36 | 61 | 17/9/2016 20:41 | 60 |
| 15/9/2016 22:36 | 62 | 16/9/2016 15:41 | 60 | 17/9/2016 20:46 | 59 |
| 15/9/2016 22:41 | 59 | 16/9/2016 15:46 | 62 | 17/9/2016 20:51 | 61 |
| 15/9/2016 22:46 | 59 | 16/9/2016 15:51 | 60 | 17/9/2016 20:56 | 60 |
| 15/9/2016 22:51 | 60 | 16/9/2016 15:56 | 62 | 17/9/2016 21:01 | 61 |
| 15/9/2016 22:56 | 59 | 16/9/2016 16:01 | 50 | 17/9/2016 21:06 | 59 |
| 16/9/2016 7:01 | 58 | 16/9/2016 16:06 | 57 | 17/9/2016 21:11 | 60 |
| 16/9/2016 7:06 | 58 | 16/9/2016 16:11 | 60 | 17/9/2016 21:16 | 59 |
| 16/9/2016 7:11 | 60 | 16/9/2016 16:16 | 60 | 17/9/2016 21:21 | 59 |
| 16/9/2016 7:16 | 59 | 16/9/2016 16:21 | 60 | 17/9/2016 21:26 | 59 |
| 16/9/2016 7:21 | 59 | 16/9/2016 16:26 | 60 | 17/9/2016 21:31 | 58 |
| 16/9/2016 7:26 | 60 | 16/9/2016 16:31 | 60 | 17/9/2016 21:36 | 59 |
| 16/9/2016 7:31 | 59 | 16/9/2016 16:36 | 52 | 17/9/2016 21:41 | 59 |
| 16/9/2016 7:36 | 59 | 16/9/2016 16:41 | 61 | 17/9/2016 21:46 | 59 |
| 16/9/2016 7:41 | 58 | 16/9/2016 16:46 | 61 | 17/9/2016 21:51 | 60 |
| 16/9/2016 7:46 | 58 | 16/9/2016 16:51 | 61 | 17/9/2016 21:56 | 60 |
| 16/9/2016 7:51 | 59 | 16/9/2016 16:56 | 60 | 17/9/2016 22:01 | 59 |
| 16/9/2016 7:56 | 60 | 16/9/2016 17:01 | 61 | 17/9/2016 22:06 | 60 |
| 16/9/2016 8:01 | 59 | 16/9/2016 17:06 | 61 | 17/9/2016 22:11 | 61 |
| 16/9/2016 8:06 | 59 | 16/9/2016 17:11 | 60 | 17/9/2016 22:16 | 59 |
| 16/9/2016 8:11 | 60 | 16/9/2016 17:16 | 55 | 17/9/2016 22:21 | 61 |
| 16/9/2016 8:16 | 60 | 16/9/2016 17:21 | 60 | 17/9/2016 22:26 | 59 |
| 16/9/2016 8:21 | 60 | 16/9/2016 17:26 | 60 | 17/9/2016 22:31 | 60 |
| 16/9/2016 8:26 | 59 | 16/9/2016 17:31 | 61 | 17/9/2016 22:36 | 60 |
| 16/9/2016 8:31 | 59 | 16/9/2016 17:36 | 61 | 17/9/2016 22:41 | 59 |
| 16/9/2016 8:36 | 59 | 16/9/2016 17:41 | 61 | 17/9/2016 22:46 | 61 |
| 16/9/2016 8:41 | 59 | 16/9/2016 17:46 | 61 | 17/9/2016 22:51 | 61 |
| 16/9/2016 8:46 | 61 | 16/9/2016 17:51 | 61 | 17/9/2016 22:56 | 60 |
| 16/9/2016 8:51 | 59 | 16/9/2016 17:56 | 60 | 18/9/2016 7:01 | 58 |
| 16/9/2016 8:56 | 60 | 16/9/2016 18:01 | 60 | 18/9/2016 7:06 | 58 |
| 16/9/2016 9:01 | 59 | 16/9/2016 18:06 | 60 | 18/9/2016 7:11 | 60 |
| 16/9/2016 9:06 | 60 | 16/9/2016 18:11 | 61 | 18/9/2016 7:16 | 59 |
| 16/9/2016 9:11 | 59 | 16/9/2016 18:16 | 61 | 18/9/2016 7:21 | 58 |
| 16/9/2016 9:16 | 60 | 16/9/2016 18:21 | 61 | 18/9/2016 7:26 | 58 |
| 16/9/2016 9:21 | 60 | 16/9/2016 18:26 | 62 | 18/9/2016 7:31 | 58 |
| 16/9/2016 9:26 | 61 | 16/9/2016 18:31 | 61 | 18/9/2016 7:36 | 61 |
| 16/9/2016 9:31 | 60 | 16/9/2016 18:36 | 60 | 18/9/2016 7:41 | 58 |
| 16/9/2016 9:36 | 60 | 16/9/2016 18:41 | 60 | 18/9/2016 7:46 | 59 |
| 16/9/2016 9:41 | 60 | 16/9/2016 18:46 | 60 | 18/9/2016 7:51 | 58 |
| 16/9/2016 9:46 | 61 | 16/9/2016 18:51 | 60 | 18/9/2016 7:56 | 59 |
| 16/9/2016 9:51 | 60 | 16/9/2016 18:56 | 60 | 18/9/2016 8:01 | 59 |
| 16/9/2016 9:56 | 61 | 16/9/2016 19:01 | 61 | 18/9/2016 8:06 | 59 |
| 16/9/2016 10:01 | 60 | 16/9/2016 19:06 | 60 | 18/9/2016 8:11 | 60 |
| 16/9/2016 10:06 | 60 | 16/9/2016 19:11 | 60 | 18/9/2016 8:16 | 59 |
| 16/9/2016 10:11 | 60 | 16/9/2016 19:16 | 60 | 18/9/2016 8:21 | 60 |
| 16/9/2016 10:16 | 60 | 16/9/2016 19:21 | 60 | 18/9/2016 8:26 | 59 |
| 16/9/2016 10:21 | 60 | 16/9/2016 19:26 | 60 | 18/9/2016 8:31 | 60 |
| 16/9/2016 10:26 | 60 | 16/9/2016 19:31 | 60 | 18/9/2016 8:36 | 61 |
| 16/9/2016 10:31 | 62 | 16/9/2016 19:36 | 60 | 18/9/2016 8:41 | 61 |
| 16/9/2016 10:36 | 60 | 16/9/2016 19:41 | 62 | 18/9/2016 8:46 | 61 |
| 16/9/2016 10:41 | 60 | 16/9/2016 19:46 | 59 | 18/9/2016 8:51 | 60 |
| 16/9/2016 10:46 | 60 | 16/9/2016 19:51 | 59 | 18/9/2016 8:56 | 61 |
| 16/9/2016 10:51 | 60 | 16/9/2016 19:56 | 60 | 18/9/2016 9:01 | 61 |
| 16/9/2016 10:56 | 60 | 16/9/2016 20:01 | 60 | 18/9/2016 9:06 | 61 |
| 16/9/2016 11:01 | 60 | 16/9/2016 20:06 | 59 | 18/9/2016 9:11 | 58 |
| 16/9/2016 11:06 | 60 | 16/9/2016 20:11 | 59 | 18/9/2016 9:16 | 61 |
| 16/9/2016 11:11 | 60 | 16/9/2016 20:16 | 59 | 18/9/2016 9:21 | 62 |
| 16/9/2016 11:16 | 60 | 16/9/2016 20:21 | 60 | 18/9/2016 9:26 | 61 |
| 16/9/2016 11:21 | 60 | 16/9/2016 20:26 | 60 | 18/9/2016 9:31 | 61 |
| 16/9/2016 11:26 | 60 | 16/9/2016 20:31 | 59 | 18/9/2016 9:36 | 61 |
| 16/9/2016 11:31 | 60 | 16/9/2016 20:36 | 59 | 18/9/2016 9:41 | 61 |
| 16/9/2016 11:36 | 60 | 16/9/2016 20:41 | 61 | 18/9/2016 9:46 | 61 |
| 16/9/2016 11:41 | 60 | 16/9/2016 20:46 | 60 | 18/9/2016 9:51 | 60 |
| 16/9/2016 11:46 | 60 | 16/9/2016 20:51 | 60 | 18/9/2016 9:56 | 61 |
| 16/9/2016 11:51 | 60 | 16/9/2016 20:56 | 60 | 18/9/2016 10:01 | 60 |
| 16/9/2016 11:56 | 60 | 16/9/2016 21:01 | 59 | 18/9/2016 10:06 | 60 |
| 16/9/2016 12:01 | 60 | 16/9/2016 21:06 | 60 | 18/9/2016 10:11 | 61 |
| 16/9/2016 12:06 | 60 | 16/9/2016 21:11 | 59 | 18/9/2016 10:16 | 60 |
| 16/9/2016 12:11 | 60 | 16/9/2016 21:16 | 59 | 18/9/2016 10:21 | 60 |
| 16/9/2016 12:16 | 60 | 16/9/2016 21:21 | 62 | 18/9/2016 10:26 | 61 |
| 16/9/2016 12:21 | 54 | 16/9/2016 21:26 | 60 | 18/9/2016 10:31 | 61 |
| 16/9/2016 12:26 | 61 | 16/9/2016 21:31 | 60 | 18/9/2016 10:36 | 61 |
| 16/9/2016 12:31 | 60 | 16/9/2016 21:36 | 59 | 18/9/2016 10:41 | 61 |
| 16/9/2016 12:36 | 60 | 16/9/2016 21:41 | 59 | 18/9/2016 10:46 | 60 |
| 16/9/2016 12:41 | 59 | 16/9/2016 21:46 | 60 | 18/9/2016 10:51 | 60 |
| 16/9/2016 12:46 | 60 | 16/9/2016 21:51 | 59 | 18/9/2016 10:56 |  |
| $\begin{aligned} & \text { 16/9/2016 12:51 } \\ & \text { 16/9/2016 12:56 } \end{aligned}$ | $\begin{aligned} & 61 \\ & 61 \end{aligned}$ | 16/9/2016 21:56 16/9/2016 22:01 |  | 18/9/2016 11:01 18/9/2016 11:06 | 60 |




RTN2a (Hong Kong Electric Centre)

|  |  |
| :---: | :---: |
|  |  |
|  |  |
|  |  |


| 2/9/2016 4:56 | 57 | 3/9/2016 6:01 | 58 | 4/9/2016 23:06 | 54 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2/9/2016 5:01 | 56 | 3/9/2016 6:06 | 58 | 4/9/2016 23:11 | 52 |
| 2/9/2016 5:06 | 56 | 3/9/2016 6:11 | 58 | 4/9/2016 23:16 | 48 |
| 2/9/2016 5:11 | 56 | 3/9/2016 6:16 | 43 | 4/9/2016 23:21 | 51 |
| 2/9/2016 5:16 | 56 | 3/9/2016 6:21 | 47 | 4/9/2016 23:26 | 56 |
| 2/9/2016 5:21 | 56 | 3/9/2016 6:26 | 49 | 4/9/2016 23:31 | 52 |
| 2/9/2016 5:26 | 57 | 3/9/2016 6:31 | 51 | 4/9/2016 23:36 | 35 |
| 2/9/2016 5:31 | 57 | 3/9/2016 6:36 | 52 | 4/9/2016 23:41 | 58 |
| 2/9/2016 5:36 | 56 | 3/9/2016 6:41 | 53 | 4/9/2016 23:46 | 58 |
| 2/9/2016 5:41 | 57 | 3/9/2016 6:46 | 54 | 4/9/2016 23:51 | 58 |
| 2/9/2016 5:46 | 58 | 3/9/2016 6:51 | 54 | 4/9/2016 23:56 | 58 |
| 2/9/2016 5:51 | 58 | 3/9/2016 6:56 | 55 | 5/9/2016 0:01 | 58 |
| 2/9/2016 5:56 | 58 | 3/9/2016 23:01 | 55 | 5/9/2016 0:06 | 42 |
| 2/9/2016 6:01 | 58 | 3/9/2016 23:06 | 55 | 5/9/2016 0:11 | 58 |
| 2/9/2016 6:06 | 46 | 3/9/2016 23:11 | 56 | 5/9/2016 0:16 | 58 |
| 2/9/2016 6:11 | 47 | 3/9/2016 23:16 | 55 | 5/9/2016 0:21 | 58 |
| 2/9/2016 6:16 | 50 | 3/9/2016 23:21 | 55 | 5/9/2016 0:26 | 58 |
| 2/9/2016 6:21 | 42 | 3/9/2016 23:26 | 54 | 5/9/2016 0:31 | 58 |
| 2/9/2016 6:26 | 51 | 3/9/2016 23:31 | 55 | 5/9/2016 0:36 | 58 |
| 2/9/2016 6:31 | 52 | 3/9/2016 23:36 | 53 | 5/9/2016 0:41 | 57 |
| 2/9/2016 6:36 | 54 | 3/9/2016 23:41 | 54 | 5/9/2016 0:46 | 57 |
| 2/9/2016 6:41 | 54 | 3/9/2016 23:46 | 54 | 5/9/2016 0:51 | 57 |
| 2/9/2016 6:46 | 55 | 3/9/2016 23:51 | 53 | 5/9/2016 0:56 | 57 |
| 2/9/2016 6:51 | 55 | 3/9/2016 23:56 | 53 | 5/9/2016 1:01 | 57 |
| 2/9/2016 6:56 | 57 | 4/9/2016 0:01 | 54 | 5/9/2016 1:06 | 57 |
| 2/9/2016 23:01 | 57 | 4/9/2016 0:06 | 53 | 5/9/2016 1:11 | 57 |
| 2/9/2016 23:06 | 56 | 4/9/2016 0:11 | 54 | 5/9/2016 1:16 | 57 |
| 2/9/2016 23:11 | 56 | 4/9/2016 0:16 | 55 | 5/9/2016 1:21 | 57 |
| 2/9/2016 23:16 | 56 | 4/9/2016 0:21 | 53 | 5/9/2016 1:26 | 57 |
| 2/9/2016 23:21 | 56 | 4/9/2016 0:26 | 51 | 5/9/2016 1:31 | 57 |
| 2/9/2016 23:26 | 55 | 4/9/2016 0:31 | 50 | 5/9/2016 1:36 | 57 |
| 2/9/2016 23:31 | 57 | 4/9/2016 0:36 | 53 | 5/9/2016 1:41 | 56 |
| 2/9/2016 23:36 | 53 | 4/9/2016 0:41 | 46 | 5/9/2016 1:46 | 57 |
| 2/9/2016 23:41 | 49 | 4/9/2016 0:46 | 55 | 5/9/2016 1:51 | 57 |
| 2/9/2016 23:46 | 50 | 4/9/2016 0:51 | 49 | 5/9/2016 1:56 | 57 |
| 2/9/2016 23:51 | 51 | 4/9/2016 0:56 | 47 | 5/9/2016 2:01 | 57 |
| 2/9/2016 23:56 | 40 | 4/9/2016 1:01 | 50 | 5/9/2016 2:06 | 56 |
| 3/9/2016 0:01 | 53 | 4/9/2016 1:06 | 48 | 5/9/2016 2:11 | 56 |
| 3/9/2016 0:06 | 54 | 4/9/2016 1:11 | 50 | 5/9/2016 2:16 | 57 |
| 3/9/2016 0:11 | 55 | 4/9/2016 1:16 | 44 | 5/9/2016 2:21 | 57 |
| 3/9/2016 0:16 | 52 | 4/9/2016 1:21 | 58 | 5/9/2016 2:26 | 56 |
| 3/9/2016 0:21 | 51 | 4/9/2016 1:26 | 58 | 5/9/2016 2:31 | 56 |
| 3/9/2016 0:26 | 43 | 4/9/2016 1:31 | 58 | 5/9/2016 2:36 | 56 |
| 3/9/2016 0:31 | 52 | 4/9/2016 1:36 | 58 | 5/9/2016 2:41 | 56 |
| 3/9/2016 0:36 | 50 | 4/9/2016 1:41 | 47 | 5/9/2016 2:46 | 56 |
| 3/9/2016 0:41 | 51 | 4/9/2016 1:46 | 58 | 5/9/2016 2:51 | 56 |
| 3/9/2016 0:46 | 51 | 4/9/2016 1:51 | 43 | 5/9/2016 2:56 | 56 |
| 3/9/2016 0:51 | 49 | 4/9/2016 1:56 | 39 | 5/9/2016 3:01 | 55 |
| 3/9/2016 0:56 | 48 | 4/9/2016 2:01 | 38 | 5/9/2016 3:06 | 56 |
| 3/9/2016 1:01 | 50 | 4/9/2016 2:06 | 58 | 5/9/2016 3:11 | 56 |
| 3/9/2016 1:06 | 50 | 4/9/2016 2:11 | 58 | 5/9/2016 3:16 | 56 |
| 3/9/2016 1:11 | 48 | 4/9/2016 2:16 | 58 | 5/9/2016 3:21 | 56 |
| 3/9/2016 1:16 | 42 | 4/9/2016 2:21 | 58 | 5/9/2016 3:26 | 56 |
| 3/9/2016 1:21 | 43 | 4/9/2016 2:26 | 58 | 5/9/2016 3:31 | 56 |
| 3/9/2016 1:26 | 50 | 4/9/2016 2:31 | 58 | 5/9/2016 3:36 | 56 |
| 3/9/2016 1:31 | 47 | 4/9/2016 2:36 | 58 | 5/9/2016 3:41 | 55 |
| 3/9/2016 1:36 | 49 | 4/9/2016 2:41 | 58 | 5/9/2016 3:46 | 55 |
| 3/9/2016 1:41 | 53 | 4/9/2016 2:46 | 57 | 5/9/2016 3:51 | 56 |
| 3/9/2016 1:46 | 48 | 4/9/2016 2:51 | 58 | 5/9/2016 3:56 | 55 |
| 3/9/2016 1:51 | 54 | 4/9/2016 2:56 | 58 | 5/9/2016 4:01 | 56 |
| 3/9/2016 1:56 | 51 | 4/9/2016 3:01 | 57 | 5/9/2016 4:06 | 55 |
| 3/9/2016 2:01 | 58 | 4/9/2016 3:06 | 58 | 5/9/2016 4:11 | 56 |
| 3/9/2016 2:06 | 58 | 4/9/2016 3:11 | 57 | 5/9/2016 4:16 | 56 |
| 3/9/2016 2:11 | 50 | 4/9/2016 3:16 | 57 | 5/9/2016 4:21 | 56 |
| 3/9/2016 2:16 | 58 | 4/9/2016 3:21 | 57 | 5/9/2016 4:26 | 56 |
| 3/9/2016 2:21 | 58 | 4/9/2016 3:26 | 57 | 5/9/2016 4:31 | 56 |
| 3/9/2016 2:26 | 58 | 4/9/2016 3:31 | 57 | 5/9/2016 4:36 | 56 |
| 3/9/2016 2:31 | 57 | 4/9/2016 3:36 | 57 | 5/9/2016 4:41 | 56 |
| 3/9/2016 2:36 | 58 | 4/9/2016 3:41 | 57 | 5/9/2016 4:46 | 56 |
| 3/9/2016 2:41 | 42 | 4/9/2016 3:46 | 57 | 5/9/2016 4:51 | 56 |
| 3/9/2016 2:46 | 58 | 4/9/2016 3:51 | 57 | 5/9/2016 4:56 | 57 |
| 3/9/2016 2:51 | 47 | 4/9/2016 3:56 | 58 | 5/9/2016 5:01 | 56 |
| 3/9/2016 2:56 | 58 | 4/9/2016 4:01 | 57 | 5/9/2016 5:06 | 56 |
| 3/9/2016 3:01 | 58 | 4/9/2016 4:06 | 57 | 5/9/2016 5:11 | 56 |
| 3/9/2016 3:06 | 58 | 4/9/2016 4:11 | 58 | 5/9/2016 5:16 | 56 |
| 3/9/2016 3:11 | 62 | 4/9/2016 4:16 | 58 | 5/9/2016 5:21 | 56 |
| 3/9/2016 3:16 | 65 | 4/9/2016 4:21 | 57 | 5/9/2016 5:26 | 56 |
| 3/9/2016 3:21 | 62 | 4/9/2016 4:26 | 57 | 5/9/2016 5:31 | 56 |
| 3/9/2016 3:26 | 63 | 4/9/2016 4:31 | 58 | 5/9/2016 5:36 | 57 |
| 3/9/2016 3:31 | 58 | 4/9/2016 4:36 | 57 | 5/9/2016 5:41 | 57 |
| 3/9/2016 3:36 | 53 | 4/9/2016 4:41 | 57 | 5/9/2016 5:46 | 57 |
| 3/9/2016 3:41 | 44 | 4/9/2016 4:46 | 58 | 5/9/2016 5:51 | 57 |
| 3/9/2016 3:46 | 58 | 4/9/2016 4:51 | 57 | 5/9/2016 5:56 | 57 |
| 3/9/2016 3:51 | 57 | 4/9/2016 4:56 | 58 | 5/9/2016 6:01 | 58 |
| 3/9/2016 3:56 | 57 | 4/9/2016 5:01 | 57 | 5/9/2016 6:06 | 58 |
| 3/9/2016 4:01 | 57 | 4/9/2016 5:06 | 57 | 5/9/2016 6:11 | 58 |
| 3/9/2016 4:06 | 57 | 4/9/2016 5:11 | 57 | 5/9/2016 6:16 | 48 |
| 3/9/2016 4:11 | 57 | 4/9/2016 5:16 | 57 | 5/9/2016 6:21 | 51 |
| 3/9/2016 4:16 | 58 | 4/9/2016 5:21 | 57 | 5/9/2016 6:26 | 59 |
| 3/9/2016 4:21 | 57 | 4/9/2016 5:26 | 57 | 5/9/2016 6:31 | 55 |
| 3/9/2016 4:26 | 57 | 4/9/2016 5:31 | 57 | 5/9/2016 6:36 | 57 |
| 3/9/2016 4:31 | 56 | 4/9/2016 5:36 | 57 | 5/9/2016 6:41 | 57 |
| 3/9/2016 4:36 | 57 | 4/9/2016 5:41 | 58 | 5/9/2016 6:46 | 57 |
| 3/9/2016 4:41 | 57 | 4/9/2016 5:46 | 58 | 5/9/2016 6:51 | 59 |
| 3/9/2016 4:46 | 57 | 4/9/2016 5:51 | 58 | 5/9/2016 6:56 | 57 |
| 3/9/2016 4:51 | 57 | 4/9/2016 5:56 | 58 | 5/9/2016 23:01 | 55 |
| 3/9/2016 4:56 | 57 | 4/9/2016 6:01 | 58 | 5/9/2016 23:06 | 54 |
| 3/9/2016 5:01 | 57 | 4/9/2016 6:06 | 58 | 5/9/2016 23:11 | 52 |
| 3/9/2016 5:06 | 56 | 4/9/2016 6:11 | 58 | 5/9/2016 23:16 | 53 |
| 3/9/2016 5:11 | 57 | 4/9/2016 6:16 | 58 | 5/9/2016 23:21 | 53 |
| 3/9/2016 5:16 | 57 | 4/9/2016 6:21 | 46 | 5/9/2016 23:26 | 52 |
| 3/9/2016 5:21 | 57 | 4/9/2016 6:26 | 46 | 5/9/2016 23:31 | 53 |
| 3/9/2016 5:26 | 57 | 4/9/2016 6:31 | 50 | 5/9/2016 23:36 | 53 |
| 3/9/2016 5:31 | 57 | 4/9/2016 6:36 | 47 | 5/9/2016 23:41 | 5 |
| 3/9/2016 5:36 | 57 | 4/9/2016 6:41 | 50 | 5/9/2016 23:46 | 5 |
| 3/9/2016 5:41 | 57 | 4/9/2016 6:46 | 50 | 5/9/2016 23:51 | 51 |
| 3/9/2016 5:46 | 57 | 4/9/2016 6:51 | 47 | 5/9/2016 23:56 | 51 |
| $\begin{aligned} & 3 / 9 / 20165: 51 \\ & 3 / 9 / 20165: 56 \end{aligned}$ | 57 58 | 4/9/2016 6:56 4/9/2016 23:01 | 50 53 | 6/9/2016 0:01 6/9/2016 0:06 | 4 |



| Real-time Noise | Data | RTN2a (Hong Kong | Electricter |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12/9/2016 6:41 | 52 | 13/9/2016 23:46 | 47 | 15/9/2016 0:51 | 58 | 16/9/2016 1:56 | 57 | 17/9/2016 3:01 | 56 | 189/9016 4:06 | 56 |
| 12/9/2016 6:46 | 55 | 13/9/2016 23:51 | 54 | 15/9/2016 0:56 | 57 | 16/9/2016 2:01 | 57 | 17/9/2016 3:06 | 55 | 189/9016 4:11 | 56 |
| 12/9/2016 6:51 | 56 | 13/9/2016 23:56 | 58 | 15/9/2016 1:01 | 57 | 16/9/2016 2:06 | 56 | 17/9/2016 3:11 | 56 | 189/9016 4:16 | 56 |
| 12/9/2016 6:56 | 58 | 14/9/2016 0:01 | 58 | 15/9/2016 1:06 | 57 | 16/9/2016 2:11 | 57 | 17/9/2016 3:16 | 56 | 189/9016 4:21 | 56 |
| 12/9/2016 23:01 | 53 | 14/9/2016 0:06 | 58 | 15/9/2016 1:11 | 58 | 16/9/2016 2:16 | 56 | 17/9/2016 3:21 | 55 | 189/2016 4:26 | 56 |
| 12/9/2016 23:06 | 53 | 14/9/2016 0:11 | 45 | 15/9/2016 1:16 | 57 | 16/9/2016 2:21 | 56 | 17/9/2016 3:26 | 55 | 189/92016 4:31 | 56 |
| 12/9/2016 23:11 | 53 | 14/9/2016 0:16 | 45 | 15/9/2016 1:21 | 58 | 16/9/2016 2:26 | 57 | 17/9/2016 3:31 | 55 | 189/9016 4:36 | 55 |
| 12/9/2016 23:16 | 54 | 14/9/2016 0:21 | 58 | 15/9/2016 1:26 | 57 | 16/9/2016 2:31 | 57 | 17/9/2016 3:36 | 55 | 18/9/2016 4:41 | 55 |
| 12/9/2016 23:21 | 54 | 14/9/2016 0:26 | 58 | 15/9/2016 1:31 | 57 | 16/9/2016 2:36 | 56 | 17/9/2016 3:41 | 55 | 189/92016 4:46 | 56 |
| 12/9/2016 23:26 | 55 | 14/9/2016 0:31 | 58 | 15/9/2016 1:36 | 56 | 16/9/2016 2:41 | 56 | 17/9/2016 3:46 | 55 | 18/9/2016 4:51 | 55 |
| 12/9/2016 23:31 | 57 | 14/9/2016 0:36 | 57 | 15/9/2016 1:41 | 57 | 16/9/2016 2:46 | 57 | 17/9/2016 3:51 | 55 | 189/92016 4:56 | 55 |
| 12/9/2016 23:36 | 57 | 14/9/2016 0:41 | 58 | 15/9/2016 1:46 | 56 | 16/9/2016 2:51 | 56 | 17/9/2016 3:56 | 55 | 189/92016 5:01 | 55 |
| 12/9/2016 23:41 | 52 | 14/9/2016 0:46 | 58 | 15/9/2016 1:51 | 56 | 16/9/2016 2:56 | 55 | 17/9/2016 4:01 | 55 | 18/9/2016 5:06 | 55 |
| 12/9/2016 23:46 | 52 | 14/9/2016 0:51 | 57 | 15/9/2016 1:56 | 56 | 16/9/2016 3:01 | 56 | 17/9/2016 4:06 | 55 | 18/9/2016 5:11 | 55 |
| 12/9/2016 23:51 | 49 | 14/9/2016 0:56 | 57 | 15/9/2016 2:01 | 56 | 16/9/2016 3:06 | 55 | 17/9/2016 4:11 | 55 | 18/9/2016 5:16 | 55 |
| 12/9/2016 23:56 | 52 | 14/9/2016 1:01 | 58 | 15/9/2016 2:06 | 58 | 16/9/2016 3:11 | 56 | 17/9/2016 4:16 | 55 | 189/9016 5:21 | 55 |
| 13/9/2016 0:01 | 52 | 14/9/2016 1:06 | 58 | 15/9/2016 2:11 | 56 | 16/9/2016 3:16 | 55 | 17/9/2016 4:21 | 55 | 189/9016 5:26 | 56 |
| 13/9/2016 0:06 | 50 | 14/9/2016 1:11 | 56 | 15/9/2016 2:16 | 56 | 16/9/2016 3:21 | 56 | 17/9/2016 4:26 | 55 | 18/9/2016 5:31 | 55 |
| 13/9/2016 0:11 | 49 | 14/9/2016 1:16 | 57 | 15/9/2016 2:21 | 56 | 16/9/2016 3:26 | 57 | 17/9/2016 4:31 | 55 | 18/9/2016 5:36 | 56 |
| 13/9/2016 0:16 | 49 | 14/9/2016 1:21 | 57 | 15/9/2016 2:26 | 56 | 16/9/2016 3:31 | 56 | 17/9/2016 4:36 | 54 | 18/9/2016 5:41 | 57 |
| 13/9/2016 0:21 | 47 | 14/9/2016 1:26 | 57 | 15/9/2016 2:31 | 56 | 16/9/2016 3:36 | 56 | 17/9/2016 4:41 | 55 | 189/9016 5:46 | 56 |
| 13/9/2016 0:26 | 53 | 14/9/2016 1:31 | 58 | 15/9/2016 2:36 | 55 | 16/9/2016 3:41 | 56 | 17/9/2016 4:46 | 55 | 18/9/2016 5:51 | 56 |
| 13/9/2016 0:31 | 58 | 14/9/2016 1:36 | 56 | 15/9/2016 2:41 | 56 | 16/9/2016 3:46 | 55 | 17/9/2016 4:51 | 56 | 18/9/2016 5:56 | 56 |
| 13/9/2016 0:36 | 58 | 14/9/2016 1:41 | 57 | 15/9/2016 2:46 | 56 | 16/9/2016 3:51 | 55 | 17/9/2016 4:56 | 55 | 189/9016 6:01 | 56 |
| 13/9/2016 0:41 | 58 | 14/9/2016 1:46 | 56 | 15/9/2016 2:51 | 56 | 16/9/2016 3:56 | 55 | 17/9/2016 5:01 | 54 | 18/9/2016 6:06 | 56 |
| 13/9/2016 0:46 | 58 | 14/9/2016 1:51 | 57 | 15/9/2016 2:56 | 56 | 16/9/2016 4:01 | 57 | 17/9/2016 5:06 | 55 | 189/9016 6:11 | 57 |
| 13/9/2016 0:51 | 47 | 14/9/2016 1:56 | 57 | 15/9/2016 3:01 | 55 | 16/9/2016 4:06 | 56 | 17/9/2016 5:11 | 55 | 18/9/2016 6:16 | 58 |
| 13/9/2016 0:56 | 58 | 14/9/2016 2:01 | 56 | 15/9/2016 3:06 | 56 | 16/9/2016 4:11 | 56 | 17/9/2016 5:16 | 54 | 18/9/2016 6:21 | 57 |
| 13/9/2016 1:01 | 58 | 149/2016 2:06 | 57 | 15/9/2016 3:11 | 55 | 16/9/2016 4:16 | 56 | 17/9/2016 5:21 | 54 | 18/9/2016 6:26 | 57 |
| 13/9/2016 1:06 | 58 | 14/9/2016 2:11 | 56 | 15/9/2016 3:16 | 55 | 16/9/2016 4:21 | 56 | 17/9/2016 5:26 | 55 | 18/9/2016 6:31 | 57 |
| 13/9/2016 1:11 | 58 | 14/9/2016 2:16 | 55 | 15/9/2016 3:21 | 55 | 16/9/2016 4:26 | 55 | 17/9/2016 5:31 | 55 | 18/9/2016 6:36 | 57 |
| 13/9/2016 1:16 | 58 | 14/9/2016 2:21 | 56 | 15/9/2016 3:26 | 55 | 16/9/2016 4:31 | 54 | 17/9/2016 5:36 | 55 | 18/9/2016 6:41 | 58 |
| 13/9/2016 1:21 | 58 | 14/9/2016 2:26 | 56 | 15/9/2016 3:31 | 55 | 16/9/2016 4:36 | 55 | 17/9/2016 5:41 | 56 | 18/9/2016 6:46 | 58 |
| 13/9/2016 1:26 | 58 | 14/9/2016 2:31 | 56 | 15/9/2016 3:36 | 57 | 16/9/2016 4:41 | 55 | 17/9/2016 5:46 | 55 | 18/9/2016 6:51 | 32 |
| 13/9/2016 1:31 | 57 | 14/9/2016 2:36 | 56 | 15/9/2016 3:41 | 55 | 16/9/2016 4:46 | 55 | 17/9/2016 5:51 | 56 | 18/9/2016 6:56 | 58 |
| 13/9/2016 1:36 | 57 | 14/9/2016 2:41 | 56 | 15/9/2016 3:46 | 55 | 16/9/2016 4:51 | 55 | 17/9/2016 5:56 | 56 | 18/9/2016 23:01 | 58 |
| 13/9/2016 1:41 | 49 | 14/9/2016 2:46 | 58 | 15/9/2016 3:51 | 55 | 16/9/2016 4:56 | 56 | 17/9/2016 6:01 | 55 | 18/9/2016 23:06 | 38 |
| 13/9/2016 1:46 | 57 | 14/9/2016 2:51 | 56 | 15/9/2016 3:56 | 55 | 16/9/2016 5:01 | 55 | 17/9/2016 6:06 | 56 | 18/9/2016 23:11 | 49 |
| 13/9/2016 1:51 | 57 | 14/9/2016 2:56 | 56 | 15/9/2016 4:01 | 55 | 16/9/2016 5:06 | 56 | 17/9/2016 6:11 | 56 | 18/9/2016 23:16 | 48 |
| 13/9/2016 1:56 | 57 | 14/9/2016 3:01 | 56 | 15/9/2016 4:06 | 56 | 16/9/2016 5:11 | 55 | 17/9/2016 6:16 | 57 | 18/9/2016 23:21 | 47 |
| 13/9/2016 2:01 | 58 | 14/9/2016 3:06 | 56 | 15/9/2016 4:11 | 55 | 16/9/2016 5:16 | 55 | 17/9/2016 6:21 | 57 | 18/9/2016 23:26 | 45 |
| 13/9/2016 2:06 | 57 | 14/9/2016 3:11 | 56 | 15/9/2016 4:16 | 55 | 16/9/2016 5:21 | 55 | 17/9/2016 6:26 | 57 | 18/9/2016 23:31 | 47 |
| 13/9/2016 2:11 | 58 | 14/9/2016 3:16 | 56 | 15/9/2016 4:21 | 55 | 16/9/2016 5:26 | 55 | 17/9/2016 6:31 | 58 | 18/9/2016 23:36 | 50 |
| 13/9/2016 2:16 | 57 | 14/9/2016 3:21 | 55 | 15/9/2016 4:26 | 55 | 16/9/2016 5:31 | 55 | 17/9/2016 6:36 | 57 | 18/9/2016 23:41 | 58 |
| 13/9/2016 2:21 | 57 | 14/9/2016 3:26 | 55 | 15/9/2016 4:31 | 55 | 16/9/2016 5:36 | 55 | 17/9/2016 6:41 | 58 | 18/9/2016 23:46 | 58 |
| 13/9/2016 2:26 | 57 | 14/9/2016 3:31 | 56 | 15/9/2016 4:36 | 56 | 16/9/2016 5:41 | 56 | 17/9/2016 6:46 | 50 | 18/9/2016 23:51 | 58 |
| 13/9/2016 2:31 | 57 | 14/9/2016 3:36 | 55 | 15/9/2016 4:41 | 56 | 16/9/2016 5:46 | 56 | 17/9/2016 6:51 | 47 | 18/9/2016 23:56 | 57 |
| 13/9/2016 2:36 | 57 | 14/9/2016 3:41 | 55 | 15/9/2016 4:46 | 55 | 16/9/2016 5:51 | 56 | 17/9/2016 6:56 | 58 | 19/9/2016 0:01 | 57 |
| 13/9/2016 2:41 | 57 | 14/9/2016 3:46 | 56 | 15/9/2016 4:51 | 55 | 16/9/2016 5:56 | 56 | 17/9/2016 23:01 | 54 | 19/9/2016 0:06 | 32 |
| 13/9/2016 2:46 | 57 | 14/9/2016 3:51 | 55 | 15/9/2016 4:56 | 55 | 16/9/2016 6:01 | 56 | 17/9/2016 23:06 | 54 | 19/9/2016 0:11 | 57 |
| 13/9/2016 2:51 | 56 | 14/9/2016 3:56 | 55 | 15/9/2016 5:01 | 55 | 16/9/2016 6:06 | 57 | 17/9/2016 23:11 | 43 | 19/9/2016 0:16 | 50 |
| 13/9/2016 2:56 | 56 | 14/9/2016 4:01 | 55 | 15/9/2016 5:06 | 55 | 16/9/2016 6:11 | 56 | 17/9/2016 23:16 | 50 | 19/9/2016 0:21 | 57 |
| 13/9/2016 3:01 | 56 | 14/9/2016 4:06 | 55 | 15/9/2016 5:11 | 55 | 16/9/2016 6:16 | 57 | 17/9/2016 23:21 | 52 | 19/9/2016 0:26 | 57 |
| 13/9/2016 3:06 | 57 | 14/9/2016 4:11 | 56 | 15/9/2016 5:16 | 55 | 16/9/2016 6:21 | 57 | 17/9/2016 23:26 | 45 | 19/9/2016 0:31 | 57 |
| 13/9/2016 3:11 | 57 | 14/9/2016 4:16 | 55 | 15/9/2016 5:21 | 56 | 16/9/2016 6:26 | 56 | 17/9/2016 23:31 | 58 | 19/9/2016 0:36 | 57 |
| 13/9/2016 3:16 | 57 | 14/9/2016 4:21 | 55 | 15/9/2016 5:26 | 56 | 16/9/2016 6:31 | 57 | 17/9/2016 23:36 | 58 | 19/9/2016 0:41 | 57 |
| 13/9/2016 3:21 | 57 | 14/9/2016 4:26 | 55 | 15/9/2016 5:31 | 56 | 16/9/2016 6:36 | 57 | 17/9/2016 23:41 | 58 | 19/9/2016 0:46 | 57 |
| 13/9/2016 3:26 | 57 | 14/9/2016 4:31 | 55 | 15/9/2016 5:36 | 55 | 16/9/2016 6:41 | 58 | 17/9/2016 23:46 | 58 | 19/9/2016 0:51 | 56 |
| 13/9/2016 3:31 | 56 | 14/9/2016 4:36 | 56 | 15/9/2016 5:41 | 56 | 16/9/2016 6:46 | 58 | 17/9/2016 23:51 | 54 | 19/9/2016 0:56 | 57 |
| 13/9/2016 3:36 | 57 | 14/9/2016 4:41 | 56 | 15/9/2016 5:46 | 56 | 16/9/2016 6:51 | 47 | 17/9/2016 23:56 | 58 | 19/9/2016 1:01 | 57 |
| 13/9/2016 3:41 | 56 | 14/9/2016 4:46 | 56 | 15/9/2016 5:51 | 56 | 16/9/2016 6:56 | 58 | 18/9/2016 0:01 | 43 | 19/9/2016 1:06 | 57 |
| 13/9/2016 3:46 | 56 | 14/9/2016 4:51 | 56 | 15/9/2016 5:56 | 56 | 16/9/2016 23:01 | 48 | 18/9/2016 0:06 | 45 | 19/9/2016 1:11 | 57 |
| 13/9/2016 3:51 | 58 | 14/9/2016 4:56 | 55 | 15/9/2016 6:01 | 57 | 16/9/2016 23:06 | 46 | 18/9/2016 0:11 | 58 | 19/9/2016 1:16 | 56 |
| 13/9/2016 3:56 | 57 | 14/9/2016 5:01 | 55 | 15/9/2016 6:06 | 57 | 16/9/2016 23:11 | 56 | 18/9/2016 0:16 | 58 | 19/9/2016 1:21 | 57 |
| 13/9/2016 4:01 | 56 | 14/9/2016 5:06 | 55 | 15/9/2016 6:11 | 56 | 16/9/2016 23:16 | 56 | 18/9/2016 0:21 | 58 | 19/9/2016 1:26 | 57 |
| 13/9/2016 4:06 | 57 | 14/9/2016 5:11 | 56 | 15/9/2016 6:16 | 57 | 16/9/2016 23:21 | 52 | 18/9/2016 0:26 | 58 | 19/9/2016 1:31 | 56 |
| 13/9/2016 4:11 | 56 | 14/9/2016 5:16 | 57 | 15/9/2016 6:21 | 53 | 16/9/2016 23:26 | 46 | 18/9/2016 0:31 | 58 | 19/9/2016 1:36 | 56 |
| 13/9/2016 4:16 | 56 | 14/9/2016 5:21 | 55 | 15/9/2016 6:26 | 58 | 16/9/2016 23:31 | 52 | 18/9/2016 0:36 | 58 | 19/9/2016 1:41 | 56 |
| 13/9/2016 4:21 | 56 | 14/9/2016 5:26 | 56 | 15/9/2016 6:31 | 49 | 16/9/2016 23:36 | 44 | 18/9/2016 0:41 | 57 | 19/9/2016 1:46 | 55 |
| 13/9/2016 4:26 | 56 | 14/9/2016 5:31 | 56 | 15/9/2016 6:36 | 49 | 16/9/2016 23:41 | 43 | 18/9/2016 0:46 | 57 | 19/9/2016 1:51 | 56 |
| 13/9/2016 4:31 | 57 | 14/9/2016 5:36 | 55 | 15/9/2016 6:41 | 47 | 16/9/2016 23:46 | 58 | 18/9/2016 0:51 | 57 | 19/9/2016 1:56 | 56 |
| 13/9/2016 4:36 | 56 | 14/9/2016 5:41 | 56 | 15/9/2016 6:46 | 51 | 16/9/2016 23:51 | 38 | 18/9/2016 0:56 | 57 | 19/9/2016 2:01 | 56 |
| 13/9/2016 4:41 | 56 | 14/9/2016 5:46 | 56 | 15/9/2016 6:51 | 53 | 16/9/2016 23:56 | 58 | 18/9/2016 1:01 | 57 | 19/9/2016 2:06 | 55 |
| 13/9/2016 4:46 | 56 | 14/9/2016 5:51 | 56 | 15/9/2016 6:56 | 52 | 17/9/2016 0:01 | 46 | 18/9/2016 1:06 | 57 | 19/9/2016 2:11 | 56 |
| 13/9/2016 4:51 | 56 | 14/9/2016 5:56 | 57 | 15/9/2016 23:01 | 46 | 17/9/2016 0:06 | 58 | 18/9/2016 1:11 | 57 | 19/9/2016 2:16 | 56 |
| 13/9/2016 4:56 | 56 | 14/9/2016 6:01 | 57 | 15/9/2016 23:06 | 47 | 17/9/2016 0:11 | 58 | 18/9/2016 1:16 | 57 | 19/9/2016 2:21 | 55 |
| 13/9/2016 5:01 | 57 | 14/9/2016 6:06 | 56 | 15/9/2016 23:11 | 50 | 17/9/2016 0:16 | 49 | 18/9/2016 1:21 | 57 | 19/9/2016 2:26 | 56 |
| 13/9/2016 5:06 | 55 | 14/9/2016 6:11 | 58 | 15/9/2016 23:16 | 51 | 17/9/2016 0:21 | 58 | 18/9/2016 1:26 | 57 | 19/9/2016 2:31 | 55 |
| 13/9/2016 5:11 | 55 | 14/9/2016 6:16 | 57 | 15/9/2016 23:21 | 53 | 17/9/2016 0:26 | 58 | 18/9/2016 1:31 | 57 | 19/9/2016 2:36 | 56 |
| 13/9/2016 5:16 | 56 | 14/9/2016 6:21 | 41 | 15/9/2016 23:26 | 51 | 17/9/2016 0:31 | 58 | 18/9/2016 1:36 | 57 | 19/9/2016 2:41 | 55 |
| 13/9/2016 5:21 | 56 | 14/9/2016 6:26 | 48 | 15/9/2016 23:31 | 32 | 17/9/2016 0:36 | 58 | 189/9/2016 1:41 | 57 | 19/9/2016 2:46 | 55 |
| 13/9/2016 5:26 | 56 | 14/9/2016 6:31 | 47 | 15/9/2016 23:36 | 32 | 17/9/2016 0:41 | 57 | 18/9/2016 1:46 | 58 | 19/9/2016 2:51 | 55 |
| 13/9/2016 5:31 | 56 | 14/9/2016 6:36 | 52 | 15/9/2016 23:41 | 58 | 17/9/2016 0:46 | 57 | 18/9/2016 1:51 | 57 | 19/9/2016 2:56 | 55 |
| 13/9/2016 5:36 | 56 | 14/9/2016 6:41 | 49 | 15/9/2016 23:46 | 39 | 17/9/2016 0:51 | 57 | 18/9/2016 1:56 | 57 | 19/9/2016 3:01 | 55 |
| 13/9/2016 5:41 | 57 | 14/9/2016 6:46 | 53 | 15/9/2016 23:51 | 58 | 17/9/2016 0:56 | 57 | 18/9/2016 2:01 | 57 | 19/9/2016 3:06 | 55 |
| 13/9/2016 5:46 | 56 | 14/9/2016 6:51 | 56 | 15/9/2016 23:56 | 58 | 17/9/2016 1:01 | 57 | 189/9/2016 2:06 | 57 | 19/9/2016 3:11 | 55 |
| 13/9/2016 5:51 | 57 | 14/9/2016 6:56 | 56 | 16/9/2016 0:01 | 45 | 17/9/2016 1:06 | 57 | 18/9/2016 2:11 | 57 | 19/9/2016 3:16 | 55 |
| 13/9/2016 5:56 | 58 | 14/9/2016 23:01 | 60 | 16/9/2016 0:06 | 58 | 17/9/2016 1:11 | 57 | 18/9/2016 2:16 | 56 | 19/9/2016 3:21 | 55 |
| 13/9/2016 6:01 | 57 | 14/9/2016 23:06 | 54 | 16/9/2016 0:11 | 58 | 17/9/2016 1:16 | 56 | 18/9/2016 2:21 | 56 | 19/9/2016 3:26 | 56 |
| 13/9/2016 6:06 | 57 | 14/9/2016 23:11 | 54 | 16/9/2016 0:16 | 58 | 17/9/2016 1:21 | 57 | 18/9/2016 2:26 | 57 | 19/9/2016 3:31 | 55 |
| 13/9/2016 6:11 | 58 | 14/9/2016 23:16 | 55 | 16/9/2016 0:21 | 51 | 17/9/2016 1:26 | 57 | 18/9/2016 2:31 | 57 | 19/9/2016 3:36 | 56 |
| 13/9/2016 6:16 | 58 | 14/9/2016 23:21 | 53 | 16/9/2016 0:26 | 47 | 17/9/2016 1:31 | 56 | 18/9/2016 2:36 | 56 | 19/9/2016 3:41 | 54 |
| 13/9/2016 6:21 | 49 | 14/9/2016 23:26 | 53 | 16/9/2016 0:31 | 41 | 17/9/2016 1:36 | 57 | 18/9/2016 2:41 | 56 | 19/9/2016 3:46 | 55 |
| 13/9/2016 6:26 | 45 | 14/9/2016 23:31 | 54 | 16/9/2016 0:36 | 58 | 17/9/2016 1:41 | 57 | 18/9/2016 2:46 | 56 | 19/9/2016 3:51 | 55 |
| 13/9/2016 6:31 | 52 | 14/9/2016 23:36 | 54 | 16/9/2016 0:41 | 58 | 17/9/2016 1:46 | 57 | 18/9/2016 2:51 | 56 | 19/9/2016 3:56 | 56 |
| 13/9/2016 6:36 | 55 | 14/9/2016 23:41 | 49 | 16/9/2016 0:46 | 58 | 17/9/2016 1:51 | 56 | 18/9/2016 2:56 | 56 | 19/9/2016 4:01 | 56 |
| 13/9/2016 6:41 | 54 | 14/9/2016 23:46 | 48 | 16/9/2016 0:51 | 58 | 17/9/2016 1:56 | 56 | 18/9/2016 3:01 | 56 | 19/9/2016 4:06 | 55 |
| 13/9/2016 6:46 | 53 | 14/9/2016 23:51 | 46 | 16/9/2016 0:56 | 43 | 17/9/2016 2:01 | 56 | 18/9/2016 3:06 | 57 | 19/9/2016 4:11 | 55 |
| 13/9/2016 6:51 | 56 | 14/9/2016 23:56 | 43 | 16/9/2016 1:01 | 57 | 17/9/2016 2:06 | 56 | 18/9/2016 3:11 | 56 | 19/9/2016 4:16 | 55 |
| 13/9/2016 6:56 | 55 | 15/9/2016 0:01 | 47 | 16/9/2016 1:06 | 57 | 17/9/2016 2:11 | 55 | 18/9/2016 3:16 | 56 | 19/9/2016 4:21 | 56 |
| 13/9/2016 23:01 | 57 | 15/9/2016 0:06 | 58 | 16/9/2016 1:11 | 57 | 17/9/2016 2:16 | 56 | 189/92016 3:21 | 56 | 19/9/2016 4:26 | 55 |
| 13/9/2016 23:06 | 55 | 15/9/2016 0:11 | 44 | 16/9/2016 1:16 | 57 | 17/9/2016 2:21 | 56 | 18/9/2016 3:26 | 56 | 19/9/2016 4:31 | 55 |
| 13/9/2016 23:11 | 53 | 15/9/2016 0:16 | 58 | 16/9/2016 1:21 | 57 | 17/9/2016 2:26 | 57 | 18/9/2016 3:31 | 56 | 19/9/2016 4:36 | 55 |
| 13/9/2016 23:16 | 52 | 15/9/2016 0:21 | 58 | 16/9/2016 1:26 | 58 | 17/9/2016 2:31 | 56 | 18/9/2016 3:36 | 56 | 19/9/2016 4:41 | 55 |
| 13/9/2016 23:21 | 52 | 15/9/2016 0:26 | 58 | 16/9/2016 1:31 | 57 | 17/9/2016 2:36 | 56 | 18/9/2016 3:41 | 56 | 19/9/2016 4:46 | 56 |
| 13/9/2016 23:26 | 55 | 15/9/2016 0:31 | 58 | 16/9/2016 1:36 | 58 | 17/9/2016 2:41 | 57 | 18/9/2016 3:46 | 55 | 19/9/2016 4:51 | 55 |
| 13/9/2016 23:31 | 53 | 15/9/2016 0:36 | 58 | 16/9/2016 1:41 | 58 | 17/9/2016 2:46 | 56 | 18/9/2016 3:51 | 56 | 19/9/2016 4:56 | 55 |
| 13/9/2016 23:36 | 50 49 | 15/9/2016 0:41 15/9/2016 0:46 | 58 57 | $16 / 9 / 20161: 46$ $16 / 9 / 2016$ $1: 51$ | 57 58 | 17/9/2016 2:51 17/9/2016 2:56 | 56 56 | 18/9/2016 3:56 18/9/2016 4:01 | 56 55 | 19/9/2016 5:01 19/9/2016 5:06 | 56 56 |


| Real-time Noise | Data | RTN2a (Hong Kong | Elect |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 19/9/2016 5:11 | 56 | 20/9/2016 6:16 | 59 | 21/9/2016 23:21 | 47 |
| 19/9/2016 5:16 | 55 | 20/9/2016 6:21 | 58 | 21/9/2016 23:26 | 52 |
| 19/9/2016 5:21 | 56 | 20/9/2016 6:26 | 57 | 21/9/2016 23:31 | 49 |
| 19/9/2016 5:26 | 56 | 20/9/2016 6:31 | 59 | 21/9/2016 23:36 | 52 |
| 19/9/2016 5:31 | 56 | 20/9/2016 6:36 | 56 | 21/9/2016 23:41 | 47 |
| 19/9/2016 5:36 | 56 | 20/9/2016 6:41 | 56 | 21/9/2016 23:46 | 58 |
| 19/9/2016 5:41 | 57 | 20/9/2016 6:46 | 57 | 21/9/2016 23:51 | 54 |
| 19/9/2016 5:46 | 58 | 20/9/2016 6:51 | 57 | 21/9/2016 23:56 | 58 |
| 19/9/2016 5:51 | 58 | 20/9/2016 6:56 | 58 | 22/9/2016 0:01 | 58 |
| 19/9/2016 5:56 | 57 | 20/9/2016 23:01 | 48 | 22/9/2016 0:06 | 57 |
| 19/9/2016 6:01 | 57 | 20/9/2016 23:06 | 53 | 22/9/2016 0:11 | 58 |
| 19/9/2016 6:06 | 56 | 20/9/2016 23:11 | 53 | 22/9/2016 0:16 | 58 |
| 19/9/2016 6:11 | 58 | 20/9/2016 23:16 | 51 | 22/9/2016 0:21 | 57 |
| 19/9/2016 6:16 | 58 | 20/9/2016 23:21 | 53 | 22/9/2016 0:26 | 58 |
| 19/9/2016 6:21 | 35 | 20/9/2016 23:26 | 45 | 22/9/2016 0:31 | 57 |
| 19/9/2016 6:26 | 35 | 20/9/2016 23:31 | 47 | 22/9/2016 0:36 | 57 |
| 19/9/2016 6:31 | 51 | 20/9/2016 23:36 | 42 | 22/9/2016 0:41 | 57 |
| 19/9/2016 6:36 | 52 | 20/9/2016 23:41 | 58 | 22/9/2016 0:46 | 57 |
| 19/9/2016 6:41 | 53 | 20/9/2016 23:46 | 58 | 22/9/2016 0:51 | 57 |
| 19/9/2016 6:46 | 53 | 20/9/2016 23:51 | 46 | 22/9/2016 0:56 | 56 |
| 19/9/2016 6:51 | 55 | 20/9/2016 23:56 | 58 | 22/9/2016 1:01 | 57 |
| 19/9/2016 6:56 | 54 | 21/9/2016 0:01 | 58 | 22/9/2016 1:06 | 57 |
| 19/9/2016 23:01 | 49 | 21/9/2016 0:06 | 58 | 22/9/2016 1:11 | 57 |
| 19/9/2016 23:06 | 65 | 21/9/2016 0:11 | 37 | 22/9/2016 1:16 | 57 |
| 19/9/2016 23:11 | 51 | 21/9/2016 0:16 | 57 | 22/9/2016 1:21 | 57 |
| 19/9/2016 23:16 | 42 | 21/9/2016 0:21 | 58 | 22/9/2016 1:26 | 57 |
| 19/9/2016 23:21 | 45 | 21/9/2016 0:26 | 60 | 22/9/2016 1:31 | 56 |
| 19/9/2016 23:26 | 58 | 21/9/2016 0:31 | 65 | 22/9/2016 1:36 | 56 |
| 19/9/2016 23:31 | 58 | 21/9/2016 0:36 | 54 | 22/9/2016 1:41 | 56 |
| 19/9/2016 23:36 | 58 | 21/9/2016 0:41 | 58 | 22/9/2016 1:46 | 56 |
| 19/9/2016 23:41 | 57 | 21/9/2016 0:46 | 58 | 22/9/2016 1:51 | 56 |
| 19/9/2016 23:46 | 58 | 21/9/2016 0:51 | 58 | 22/9/2016 1:56 | 56 |
| 19/9/2016 23:51 | 58 | 21/9/2016 0:56 | 57 | 22/9/2016 2:01 | 55 |
| 19/9/2016 23:56 | 58 | 21/9/2016 1:01 | 57 | 22/9/2016 2:06 | 56 |
| 20/9/2016 0:01 | 58 | 21/9/2016 1:06 | 57 | 22/9/2016 2:11 | 56 |
| 20/9/2016 0:06 | 41 | 21/9/2016 1:11 | 57 | 22/9/2016 2:16 | 55 |
| 20/9/2016 0:11 | 57 | 21/9/2016 1:16 | 57 | 22/9/2016 2:21 | 55 |
| 20/9/2016 0:16 | 60 | 21/9/2016 1:21 | 56 | 22/9/2016 2:26 | 55 |
| 20/9/2016 0:21 | 60 | 21/9/2016 1:26 | 57 | 22/9/2016 2:31 | 55 |
| 20/9/2016 0:26 | 56 | 21/9/2016 1:31 | 56 | 22/9/2016 2:36 | 55 |
| 20/9/2016 0:31 | 49 | 21/9/2016 1:36 | 57 | 22/9/2016 2:41 | 56 |
| 20/9/2016 0:36 | 48 | 21/9/2016 1:41 | 57 | 22/9/2016 2:46 | 55 |
| 20/9/2016 0:41 | 58 | 21/9/2016 1:46 | 56 | 22/9/2016 2:51 | 55 |
| 20/9/2016 0:46 | 58 | 21/9/2016 1:51 | 57 | 22/9/2016 2:56 | 56 |
| 20/9/2016 0:51 | 58 | 21/9/2016 1:56 | 56 | 22/9/2016 3:01 | 56 |
| 20/9/2016 0:56 | 58 | 21/9/2016 2:01 | 56 | 22/9/2016 3:06 | 55 |
| 20/9/2016 1:01 | 58 | 21/9/2016 2:06 | 56 | 22/9/2016 3:11 | 54 |
| 20/9/2016 1:06 | 57 | 21/9/2016 2:11 | 56 | 22/9/2016 3:16 | 55 |
| 20/9/2016 1:11 | 57 | 21/9/2016 2:16 | 56 | 22/9/2016 3:21 | 54 |
| 20/9/2016 1:16 | 57 | 21/9/2016 2:21 | 56 | 22/9/2016 3:26 | 54 |
| 20/9/2016 1:21 | 57 | 21/9/2016 2:26 | 56 | 22/9/2016 3:31 | 54 |
| 20/9/2016 1:26 | 57 | 21/9/2016 2:31 | 57 | 22/9/2016 3:36 | 55 |
| 20/9/2016 1:31 | 46 | 21/9/2016 2:36 | 56 | 22/9/2016 3:41 | 56 |
| 20/9/2016 1:36 | 57 | 21/9/2016 2:41 | 55 | 22/9/2016 3:46 | 54 |
| 20/9/2016 1:41 | 57 | 21/9/2016 2:46 | 55 | 22/9/2016 3:51 | 55 |
| 20/9/2016 1:46 | 57 | 21/9/2016 2:51 | 55 | 22/9/2016 3:56 | 55 |
| 20/9/2016 1:51 | 57 | 21/9/2016 2:56 | 55 | 22/9/2016 4:01 | 54 |
| 20/9/2016 1:56 | 53 | 21/9/2016 3:01 | 55 | 22/9/2016 4:06 | 54 |
| 20/9/2016 2:01 | 52 | 21/9/2016 3:06 | 55 | 22/9/2016 4:11 | 55 |
| 20/9/2016 2:06 | 57 | 21/9/2016 3:11 | 56 | 22/9/2016 4:16 | 55 |
| 20/9/2016 2:11 | 52 | 21/9/2016 3:16 | 55 | 22/9/2016 4:21 | 55 |
| 20/9/2016 2:16 | 58 | 21/9/2016 3:21 | 55 | 22/9/2016 4:26 | 55 |
| 20/9/2016 2:21 | 57 | 21/9/2016 3:26 | 55 | 22/9/2016 4:31 | 55 |
| 20/9/2016 2:26 | 57 | 21/9/2016 3:31 | 54 | 22/9/2016 4:36 | 54 |
| 20/9/2016 2:31 | 58 | 21/9/2016 3:36 | 55 | 22/9/2016 4:41 | 55 |
| 20/9/2016 2:36 | 64 | 21/9/2016 3:41 | 55 | 22/9/2016 4:46 | 55 |
| 20/9/2016 2:41 | 67 | 21/9/2016 3:46 | 55 | 22/9/2016 4:51 | 55 |
| 20/9/2016 2:46 | 62 | 21/9/2016 3:51 | 55 | 22/9/2016 4:56 | 54 |
| 20/9/2016 2:51 | 45 | 21/9/2016 3:56 | 55 | 22/9/2016 5:01 | 55 |
| 20/9/2016 2:56 | 57 | 21/9/2016 4:01 | 54 | 22/9/2016 5:06 | 55 |
| 20/9/2016 3:01 | 56 | 21/9/2016 4:06 | 54 | 22/9/2016 5:11 | 55 |
| 20/9/2016 3:06 | 56 | 21/9/2016 4:11 | 54 | 22/9/2016 5:16 | 55 |
| 20/9/2016 3:11 | 57 | 21/9/2016 4:16 | 55 | 22/9/2016 5:21 | 54 |
| 20/9/2016 3:16 | 56 | 21/9/2016 4:21 | 55 | 22/9/2016 5:26 | 56 |
| 20/9/2016 3:21 | 56 | 21/9/2016 4:26 | 55 | 22/9/2016 5:31 | 55 |
| 20/9/2016 3:26 | 56 | 21/9/2016 4:31 | 54 | 22/9/2016 5:36 | 55 |
| 20/9/2016 3:31 | 56 | 21/9/2016 4:36 | 55 | 22/9/2016 5:41 | 56 |
| 20/9/2016 3:36 | 56 | 21/9/2016 4:41 | 55 | 22/9/2016 5:46 | 55 |
| 20/9/2016 3:41 | 57 | 21/9/2016 4:46 | 55 | 22/9/2016 5:51 | 56 |
| 20/9/2016 3:46 | 57 | 21/9/2016 4:51 | 55 | 22/9/2016 5:56 | 56 |
| 20/9/2016 3:51 | 57 | 21/9/2016 4:56 | 55 | 22/9/2016 6:01 | 55 |
| 20/9/2016 3:56 | 56 | 21/9/2016 5:01 | 55 | 22/9/2016 6:06 | 57 |
| 20/9/2016 4:01 | 55 | 21/9/2016 5:06 | 55 | 22/9/2016 6:11 | 57 |
| 20/9/2016 4:06 | 55 | 21/9/2016 5:11 | 55 | 22/9/2016 6:16 | 57 |
| 20/9/2016 4:11 | 56 | 21/9/2016 5:16 | 55 | 22/9/2016 6:21 | 57 |
| 20/9/2016 4:16 | 55 | 21/9/2016 5:21 | 55 | 22/9/2016 6:26 | 57 |
| 20/9/2016 4:21 | 55 | 21/9/2016 5:26 | 55 | 22/9/2016 6:31 | 58 |
| 20/9/2016 4:26 | 55 | 21/9/2016 5:31 | 56 | 22/9/2016 6:36 | 47 |
| 20/9/2016 4:31 | 56 | 21/9/2016 5:36 | 57 | 22/9/2016 6:41 | 58 |
| 20/9/2016 4:36 | 56 | 21/9/2016 5:41 | 56 | 22/9/2016 6:46 | 50 |
| 20/9/2016 4:41 | 37 | 21/9/2016 5:46 | 56 | 22/9/2016 6:51 | 51 |
| 20/9/2016 4:46 | 58 | 21/9/2016 5:51 | 58 | 22/9/2016 6:56 | 52 |
| 20/9/2016 4:51 | 56 | 21/9/2016 5:56 | 57 | 22/9/2016 23:01 | 52 |
| 20/9/2016 4:56 | 57 | 21/9/2016 6:01 | 57 | 22/9/2016 23:06 | 51 |
| 20/9/2016 5:01 | 57 | 21/9/2016 6:06 | 57 | 22/9/2016 23:11 | 51 |
| 20/9/2016 5:06 | 57 | 21/9/2016 6:11 | 57 | 22/9/2016 23:16 | 47 |
| 20/9/2016 5:11 | 56 | 21/9/2016 6:16 | 58 | 22/9/2016 23:21 | 50 |
| 20/9/2016 5:16 | 56 | 21/9/2016 6:21 | 43 | 22/9/2016 23:26 | 49 |
| 20/9/2016 5:21 | 56 | 21/9/2016 6:26 | 58 | 22/9/2016 23:31 | 58 |
| 20/9/2016 5:26 | 57 | 21/9/2016 6:31 | 47 | 22/9/2016 23:36 | 45 |
| 20/9/2016 5:31 | 57 | 21/9/2016 6:36 | 51 | 22/9/2016 23:41 | 58 |
| 20/9/2016 5:36 | 58 | 21/9/2016 6:41 | 53 | 22/9/2016 23:46 | 44 |
| 20/9/2016 5:41 | 38 | 21/9/2016 6:46 | 52 | 22/9/2016 23:51 | 58 |
| 20/9/2016 5:46 | 58 | 21/9/2016 6:51 | 54 | 22/9/2016 23:56 | 57 |
| 20/9/2016 5:51 | 52 | 21/9/2016 6:56 | 55 | 23/9/2016 0:01 | 58 |
| 20/9/2016 5:56 | 56 | 21/9/2016 23:01 | 50 | 23/9/2016 0:06 | 57 |
| 20/9/2016 6:01 | 54 | 21/9/2016 23:06 |  | 23/9/2016 0:11 |  |
| $\begin{aligned} & \text { 20/9/2016 6:06 } \\ & \text { 20/9/2016 6:11 } \end{aligned}$ | $\begin{aligned} & 50 \\ & 59 \end{aligned}$ | 21/9/2016 23:11 |  | 23/9/2016 0:16 23/9/2016 0:21 | 58 57 |

23/9/2016 0:26 23/9/2016 0:31 23/9/2016 0:36 23/9/2016 0:41 23/9/2016 0:46 23/9/2016 0:51 23/9/2016 0:56 23/9/2016 1:01 23/9/2016 1:06 23/9/2016 1:11 23/9/2016 1:16 23/9/2016 1:21 23/9/2016 1:26 23/9/2016 1:26
23/9/2016 1:31 23/9/2016 1:31
23/9/2016 1:36 23/9/2016 1:36
23/9/2016 1:41 23/9/2016 1:41 23/9/2016 1:46
23/9/2016 1:51 23/9/2016 1:56 23/9/2016 2:01 23/9/2016 2:06 23/9/2016 2:11 23/9/2016 2:16 23/9/2016 2:21 23/9/2016 2:26 23/9/2016 2:31 23/9/2016 2:36 23/9/2016 2:41 23/9/2016 2:46 23/9/2016 2:51 23/9/2016 2:56 23/9/2016 3:01
23/9/2016 3:06 23/9/2016 3:06 $23 / 9 / 20163: 11$
$23 / 9 / 20163: 16$ $23 / 9 / 20163: 16$
$23 / 9 / 20163: 21$ 23/9/2016 3:21
23/9/2016 3:26 23/9/2016 3:26 23/9/2016 3:31 23/9/2016 3:41 23/9/2016 3:46 23/9/2016 3:51 23/9/2016 3:56 23/9/2016 4:01 23/9/2016 4:06 $23 / 9 / 20164: 11$
$23 / 9 / 20164: 16$ $23 / 9 / 20164: 16$
$23 / 9 / 20164: 21$ 23/9/2016 4:26 23/9/2016 4:31 23/9/2016 4:36 23/9/2016 4:41 23/9/2016 4:46 23/9/2016 4:46
23/9/2016 4:51 23/9/2016 4:51 23/9/2016 4:56
23/9/2016 5:01 23/9/2016 5:01 23/9/2016 5:06 23/9/2016 5:16 23/9/2016 5:16 23/9/2016 5:21 23/9/2016 5:26 23/9/2016 5:31 23/9/2016 5:36 23/9/2016 5:41 23/9/2016 5:46 23/9/2016 5:51 23/9/2016 5:56 23/9/2016 6:01 23/9/9/2016 6:06 23/9/2016 6:16 23/9/2016 6:21 23/9/2016 6:26 23/9/2016 6:31 23/9/2016 6:31 23/9/2016 6:36 23/9/2016 6:41 23/9/2016 6:46 23/9/2016 6:56 23/9/2016 23:01 23/9/2016 23:06 23/9/2016 23:11 23/9/2016 23:16 23/9/2016 23:21 23/9/2016 23:26 23/9/2016 23:31 4 23/9/2016 23:36 23/9/2016 23:41 23/9/2016 23:46 23/9/2016 23:51 23/9/2016 23:56 24/9/2016 0:01 24/9/2016 0:06 24/9/2016 0:11 $24 / 9 / 2016$ 0:11
24/9/2016 0:16 24/9/2016 0:16
24/9/2016 0:21 24/9/2016 0:21 24/9/2016 0:26
24/9/2016 0:31 24/9/2016 0:31
24/9/2016 0:36 $24 / 9 / 20160: 36$
$24 / 9 / 2016$
$0: 41$ 24/9/2016 0:41
24/9/2016 0:46 24/9/2016 0:46
24/9/2016 0:51 24/9/2016 0:51 24/9/2016 0:56 24/9/2016 1:01 24/9/2016 1:06 57 24/9/2016 1:11 57 24/9/2016 1:16 57 $\begin{array}{ll}24 / 9 / 2016 & 1: 21 \\ \text { 24/9/2016 1:26 } & 58\end{array}$

24/9/2016 1:31 57 24/9/2016 1:36
24/9/2016 1:4
$24 / 9 / 20161$ $24 / 9 / 20161: 46$
$24 / 9 / 20161.51$ 24/9/2016 1:51 24/9/2016 2:01 24/9/2016 2:06 24/9/2016 2:11 24/9/2016 2:21 24/9/2016 2:21
24/9/2016 2:26 24/9/2016 2:26 24/9/2016 2:31 24/9/2016 2:36
24/9/2016 2:41 24/9/2016 2:41 24/9/2016 2:46 24/9/2016 2:56 24/9/2016 3:01 24/9/2016 3:06 24/9/2016 3:11 24/9/2016 3:16 24/9/2016 3:21 24/9/2016 3:26 24/9/2016 3:31 $24 / 9 / 20163: 41$
$24 / 9 / 20163: 46$ 24/9/2016 3:51 24/9/2016 3:56 24/9/2016 4:01 24/9/2016 4:06
24/9/2016 4:11 24/9/2016 4:11 24/9/2016 4:16 24/9/2016 4:26 24/9/2016 4:31 24/9/2016 4:41 24/9/2016 4:46 24/9/2016 4:51 24/9/2016 4:56 24/9/2016 5:06 24/9/2016 5:11 $24 / 9 / 20165: 16$
$24 / 9 / 20165: 21$ 24/9/2016 5:26 24/9/2016 5:36 24/9/2016 5:41 24/9/2016 5:46 24/9/2016 5:51 24/9/2016 5:51 24/9/2016 5:56 24/9/2016 6:01 24/9/2016 6:11 24/9/2016 6:16
24/9/2016 6:21 24/9/2016 6:26 24/9/2016 6:31 24/9/2016 6:36
24/9/2016 6:41 24/9/2016 6:41 24/9/2016 6:51 24/9/2016 6:56 24/9/2016 23:01 24/9/2016 23:11 24/9/2016 23:16 24/9/2016 23:21 24/9/2016 23:31 24/9/2016 23:36 24/9/2016 23:41 24/9/2016 23:41 24/9/2016 23:46 24/9/2016 23:56 25/9/2016 0:01 25/9/2016 0:06 25/9/2016 0:11 25/9/2016 0:16 $25 / 9 / 20160: 21$
$25 / 9 / 2016$
$0: 26$ $25 / 9 / 20160: 26$
$25 / 9 / 2016$
$0: 31$ 25/9/2016 0:36 25/9/2016 0:41 25/9/2016 0:46 25/9/2016 0:51 25/9/2016 1:01 25/9/2016 1:06 25/9/2016 1:11 25/9/2016 1:16 25/9/2016 1:16 25/9/2016 1:26 25/9/2016 1:31 25/9/2016 1:36 25/9/2016 1:46 25/9/2016 1:51 25/9/2016 1:56 25/9/2016 2:01 25/9/2016 2:06
25/9/2016 2:11 25/9/2016 2:11
25/9/2016 2:16 25/9/2016 2:21 25/9/2016 2:26 25/9/2016 2:31 56


|  |  | RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1/9/2016 12:31 | $68$ | 7/9/2016 7:01 |  |
| Real-time Noise Data Normal Day 07:00-19:00 |  | 1/9/2016 13:01 | 45 | 7/9/2016 7:31 | 63 |
| 27/8/2016 7:01 | 64 | 1/9/2016 13:31 | 64 | 7/9/2016 8:01 | 63 |
| 27/8/2016 7:31 | 65 | 1/9/2016 14:01 | 66 | 7/9/2016 8:31 | 64 |
| 27/8/2016 8:01 | 66 | 1/9/2016 14:31 | 69 | 7/9/2016 9:01 | 64 |
| 27/8/2016 8:31 | 66 | 1/9/2016 15:01 | 69 | 7/9/2016 9:31 | 64 |
| 27/8/2016 9:01 | 66 | 1/9/2016 15:31 | 67 | 7/9/2016 10:01 | 65 |
| 27/8/2016 9:31 | 66 | 1/9/2016 16:01 | 67 | 7/9/2016 10:31 | 65 |
| 27/8/2016 10:01 | 65 | 1/9/2016 16:31 | 62 | 7/9/2016 11:01 | 66 |
| 27/8/2016 10:31 | 63 | 1/9/2016 17:01 | 60 | 7/9/2016 11:31 | 66 |
| 27/8/2016 11:01 | 65 | 1/9/2016 17:31 | 55 | 7/9/2016 12:01 | 65 |
| 27/8/2016 11:31 | 65 | 1/9/2016 18:01 | 69 | 7/9/2016 12:31 | 66 |
| 27/8/2016 12:01 | 65 | 1/9/2016 18:31 | 67 | 7/9/2016 13:01 | 65 |
| 27/8/2016 12:31 | 65 | 2/9/2016 7:01 | 65 | 7/9/2016 13:31 | 67 |
| 27/8/2016 13:01 | 65 | 2/9/2016 7:31 | 66 | 7/9/2016 14:01 | 66 |
| 27/8/2016 13:31 | 66 | 2/9/2016 8:01 | 65 | 7/9/2016 14:31 | 63 |
| 27/8/2016 14:01 | 65 | 2/9/2016 8:31 | 66 | 7/9/2016 15:01 | 63 |
| 27/8/2016 14:31 | 66 | 2/9/2016 9:01 | 67 | 7/9/2016 15:31 | 63 |
| 27/8/2016 15:01 | 65 | 2/9/2016 9:31 | 67 | 7/9/2016 16:01 | 65 |
| 27/8/2016 15:31 | 63 | 2/9/2016 10:01 | 67 | 7/9/2016 16:31 | 66 |
| 27/8/2016 16:01 | 65 | 2/9/2016 10:31 | 67 | 7/9/2016 17:01 | 64 |
| 27/8/2016 16:31 | 67 | 2/9/2016 11:01 | 66 | 7/9/2016 17:31 | 67 |
| 27/8/2016 17:01 | 66 | 2/9/2016 11:31 | 63 | 7/9/2016 18:01 | 66 |
| 27/8/2016 17:31 | 66 | 2/9/2016 12:01 | 65 | 7/9/2016 18:31 | 62 |
| 27/8/2016 18:01 | 66 | 2/9/2016 12:31 | 65 | 8/9/2016 7:01 | 66 |
| 27/8/2016 18:31 | 66 | 2/9/2016 13:01 | 66 | 8/9/2016 7:31 | 65 |
| 29/8/2016 7:01 | 66 | 2/9/2016 13:31 | 67 | 8/9/2016 8:01 | 65 |
| 29/8/2016 7:31 | 66 | 2/9/2016 14:01 | 66 | 8/9/2016 8:31 | 64 |
| 29/8/2016 8:01 | 64 | 2/9/2016 14:31 | 64 | 8/9/2016 9:01 | 66 |
| 29/8/2016 8:31 | 66 | 2/9/2016 15:01 | 64 | 8/9/2016 9:31 | 66 |
| 29/8/2016 9:01 | 67 | 2/9/2016 15:31 | 65 | 8/9/2016 10:01 | 68 |
| 29/8/2016 9:31 | 66 | 2/9/2016 16:01 | 66 | 8/9/2016 10:31 | 67 |
| 29/8/2016 10:01 | 67 | 2/9/2016 16:31 | 67 | 8/9/2016 11:01 | 67 |
| 29/8/2016 10:31 | 67 | 2/9/2016 17:01 | 65 | 8/9/2016 11:31 | 66 |
| 29/8/2016 11:01 | 66 | 2/9/2016 17:31 | 67 | 8/9/2016 12:01 | 63 |
| 29/8/2016 11:31 | 66 | 2/9/2016 18:01 | 66 | 8/9/2016 12:31 | 63 |
| 29/8/2016 12:01 | 66 | 2/9/2016 18:31 | 63 | 8/9/2016 13:01 | 66 |
| 29/8/2016 12:31 | 66 | 3/9/2016 7:01 | 68 | 8/9/2016 13:31 | 68 |
| 29/8/2016 13:01 | 67 | 3/9/2016 7:31 | 69 | 8/9/2016 14:01 | 67 |
| 29/8/2016 13:31 | 68 | 3/9/2016 8:01 | 67 | 8/9/2016 14:31 | 67 |
| 29/8/2016 14:01 | 67 | 3/9/2016 8:31 | 68 | 8/9/2016 15:01 | 66 |
| 29/8/2016 14:31 | 68 | 3/9/2016 9:01 | 66 | 8/9/2016 15:31 | 63 |
| 29/8/2016 15:01 | 65 | 3/9/2016 9:31 | 65 | 8/9/2016 16:01 | 65 |
| 29/8/2016 15:31 | 64 | 3/9/2016 10:01 | 62 | 8/9/2016 16:31 | 67 |
| 29/8/2016 16:01 | 65 | 3/9/2016 10:31 | 61 | 8/9/2016 17:01 | 67 |
| 29/8/2016 16:31 | 67 | 3/9/2016 11:01 | 67 | 8/9/2016 17:31 | 64 |
| 29/8/2016 17:01 | 67 | 3/9/2016 11:31 | 66 | 8/9/2016 18:01 | 65 |
| 29/8/2016 17:31 | 66 | 3/9/2016 12:01 | 67 | 8/9/2016 18:31 | 64 |
| 29/8/2016 18:01 | 66 | 3/9/2016 12:31 | 67 | 9/9/2016 7:01 | 66 |
| 29/8/2016 18:31 | 66 | 3/9/2016 13:01 | 67 | 9/9/2016 7:31 | 65 |
| 30/8/2016 7:01 | 66 | 3/9/2016 13:31 | 68 | 9/9/2016 8:01 | 65 |
| 30/8/2016 7:31 | 66 | 3/9/2016 14:01 | 68 | 9/9/2016 8:31 | 65 |
| 30/8/2016 8:01 | 64 | 3/9/2016 14:31 | 68 | 9/9/2016 9:01 | 66 |
| 30/8/2016 8:31 | 66 | 3/9/2016 15:01 | 67 | 9/9/2016 9:31 | 68 |
| 30/8/2016 9:01 | 67 | 3/9/2016 15:31 | 66 | 9/9/2016 10:01 | 68 |
| 30/8/2016 9:31 | 68 | 3/9/2016 16:01 | 67 | 9/9/2016 10:31 | 67 |
| 30/8/2016 10:01 | 67 | 3/9/2016 16:31 | 67 | 9/9/2016 11:01 | 73 |
| 30/8/2016 10:31 | 67 | 3/9/2016 17:01 | 66 | 9/9/2016 11:31 | 78 |
| 30/8/2016 11:01 | 67 | 3/9/2016 17:31 | 66 | 9/9/2016 12:01 | 67 |
| 30/8/2016 11:31 | 65 | 3/9/2016 18:01 | 65 | 9/9/2016 12:31 | 66 |
| 30/8/2016 12:01 | 66 | 3/9/2016 18:31 | 64 | 9/9/2016 13:01 | 67 |
| 30/8/2016 12:31 | 65 | 5/9/2016 7:01 | 64 | 9/9/2016 13:31 | 52 |
| 30/8/2016 13:01 | 66 | 5/9/2016 7:31 | 63 | 9/9/2016 14:01 | 69 |
| 30/8/2016 13:31 | 67 | 5/9/2016 8:01 | 63 | 9/9/2016 14:31 | 68 |
| 30/8/2016 14:01 | 67 | 5/9/2016 8:31 | 66 | 9/9/2016 15:01 | 68 |
| 30/8/2016 14:31 | 67 | 5/9/2016 9:01 | 67 | 9/9/2016 15:31 | 67 |
| 30/8/2016 15:01 | 66 | 5/9/2016 9:31 | 67 | 9/9/2016 16:01 | 68 |
| 30/8/2016 15:31 | 66 | 5/9/2016 10:01 | 68 | 9/9/2016 16:31 | 64 |
| 30/8/2016 16:01 | 67 | 5/9/2016 10:31 | 67 | 9/9/2016 17:01 | 69 |
| 30/8/2016 16:31 | 67 | 5/9/2016 11:01 | 67 | 9/9/2016 17:31 | 68 |
| 30/8/2016 17:01 | 66 | 5/9/2016 11:31 | 69 | 9/9/2016 18:01 | 66 |
| 30/8/2016 17:31 | 66 | 5/9/2016 12:01 | 69 | 9/9/2016 18:31 | 65 |
| 30/8/2016 18:01 | 66 | 5/9/2016 12:31 | 66 | 10/9/2016 7:01 | 65 |
| 30/8/2016 18:31 | 65 | 5/9/2016 13:01 | 68 | 10/9/2016 7:31 | 66 |
| 31/8/2016 7:01 | 65 | 5/9/2016 13:31 | 68 | 10/9/2016 8:01 | 67 |
| 31/8/2016 7:31 | 66 | 5/9/2016 14:01 | 51 | 10/9/2016 8:31 | 68 |
| 31/8/2016 8:01 | 66 | 5/9/2016 14:31 | 60 | 10/9/2016 9:01 | 68 |
| 31/8/2016 8:31 | 67 | 5/9/2016 15:01 | 68 | 10/9/2016 9:31 | 68 |
| 31/8/2016 9:01 | 67 | 5/9/2016 15:31 | 67 | 10/9/2016 10:01 | 66 |
| 31/8/2016 9:31 | 68 | 5/9/2016 16:01 | 67 | 10/9/2016 10:31 | 66 |
| 31/8/2016 10:01 | 67 | 5/9/2016 16:31 | 69 | 10/9/2016 11:01 | 67 |
| 31/8/2016 10:31 | 67 | 5/9/2016 17:01 | 63 | 10/9/2016 11:31 | 66 |
| 31/8/2016 11:01 | 67 | 5/9/2016 17:31 | 62 | 10/9/2016 12:01 | 67 |
| 31/8/2016 11:31 | 66 | 5/9/2016 18:01 | 54 | 10/9/2016 12:31 | 67 |
| 31/8/2016 12:01 | 66 | 5/9/2016 18:31 | 69 | 10/9/2016 13:01 | 67 |
| 31/8/2016 12:31 | 65 | 6/9/2016 7:01 | 67 | 10/9/2016 13:31 | 68 |
| 31/8/2016 13:01 | 66 | 6/9/2016 7:31 | 67 | 10/9/2016 14:01 | 68 |
| 31/8/2016 13:31 | 67 | 6/9/2016 8:01 | 68 | 10/9/2016 14:31 | 67 |
| 31/8/2016 14:01 | 66 | 6/9/2016 8:31 | 68 | 10/9/2016 15:01 | 69 |
| 31/8/2016 14:31 | 67 | 6/9/2016 9:01 | 68 | 10/9/2016 15:31 | 68 |
| 31/8/2016 15:01 | 67 | 6/9/2016 9:31 | 68 | 10/9/2016 16:01 | 68 |
| 31/8/2016 15:31 | 66 | 6/9/2016 10:01 | 69 | 10/9/2016 16:31 | 60 |
| 31/8/2016 16:01 | 66 | 6/9/2016 10:31 | 69 | 10/9/2016 17:01 | 63 |
| 31/8/2016 16:31 | 67 | 6/9/2016 11:01 | 69 | 10/9/2016 17:31 | 61 |
| 31/8/2016 17:01 | 67 | 6/9/2016 11:31 | 69 | 10/9/2016 18:01 | 51 |
| 31/8/2016 17:31 | 66 | 6/9/2016 12:01 | 69 | 10/9/2016 18:31 | 70 |
| 31/8/2016 18:01 | 66 | 6/9/2016 12:31 | 66 | 12/9/2016 7:01 | 65 |
| 31/8/2016 18:31 | 65 | 6/9/2016 13:01 | 67 | 12/9/2016 7:31 | 63 |
| 1/9/2016 7:01 | 68 | 6/9/2016 13:31 | 58 | 12/9/2016 8:01 | 65 |
| 1/9/2016 7:31 | 66 | 6/9/2016 14:01 | 68 | 12/9/2016 8:31 | 66 |
| 1/9/2016 8:01 | 60 | 6/9/2016 14:31 | 67 | 12/9/2016 9:01 | 65 |
| 1/9/2016 8:31 | 68 | 6/9/2016 15:01 | 66 | 12/9/2016 9:31 | 67 |
| 1/9/2016 9:01 | 57 | 6/9/2016 15:31 | 67 | 12/9/2016 10:01 | 68 |
| 1/9/2016 9:31 | 65 | 6/9/2016 16:01 | 69 | 12/9/2016 10:31 |  |
| 1/9/2016 10:01 | 74 | 6/9/2016 16:31 | 63 | 12/9/2016 11:01 | 67 |
| 1/9/2016 10:31 | 67 | 6/9/2016 17:01 | 54 | 12/9/2016 11:31 |  |
| 1/9/2016 11:01 | 67 | 6/9/2016 17:31 | 59 | 12/9/2016 12:01 |  |
| $\begin{aligned} & \text { 1/9/2016 11:31 } \\ & \text { 1/9/2016 12:01 } \end{aligned}$ | $\begin{aligned} & 66 \\ & 67 \end{aligned}$ | 6/9/2016 18:01 6/9/2016 18:31 | $\begin{aligned} & 70 \\ & 69 \end{aligned}$ | 12/9/2016 12:31 12/9/2016 13:01 |  |

12/9/2016 13:31 67 12/9/2016 14:01 6 12/9/2016 14:31 67 12/9/2016 15:01 67 12/9/2016 15:31 66 12/9/2016 16:01 65 12/9/2016 16:31 66 12/9/2016 17:01 12/9/2016 17:31 12/9/2016 18:01 12/9/2016 18:31 6 13/9/2016 7:01 13/9/2016 7:31 13/9/2016 8:01 13/9/2016 8:31 13/9/2016 9:01 3/9/2016 9:31 13/9/2016 10:01 13/9/2016 10:31 3/9/2016 11:01 13/9/2016 11:31 13/9/2016 12:01 63 13/9/2016 12:31 63 13/9/2016 13:01 65 13/9/2016 13:31 67 13/9/2016 14:01 67 13/9/2016 14:31 65 13/9/2016 15:01 13/9/2016 15:31 13/9/2016 16:01 66 13/9/2016 16:31 66 13/9/2016 17:01 6 3/9/2016 17:31 67 13/9/2016 18:01 67 13/9/2016 18:31 66 14/9/2016 7:01 66 14/9/2016 7:31 66 14/9/2016 8:01 14/9/2016 8:31 14/9/2016 9:01 14/9/2016 9:31 4/9/2016 10:01 68 14/9/2016 10:01 67 /910 14/9/2016 11:01 66 14/9/2016 11:31 66 4/9/2016 12:31 65 4/9/2016 3.01 14/9/2016 13:31 14/9/2016 14:01 14/9/2016 14:31 14/9/2016 15:01 14/9/2016 15:31 67 14/9/2016 16:01 67 4/9/2016 16:31 67 4/9/2016 $17: 0167$ 4/9/2016 17:31 66 4/9/2016 18:01 14/9/2016 18:31 15/9/2016 7:01 15/9/2016 7:31 5/9/2016 8:01 15/9/2016 8:31 65 5/9/2016 9:01 64 5/9/2016 9:31 65 15/9/2016 10:01 15/9/2016 10:31 6 15/9/2016 11:01 6 15/9/2016 11:31 15/9/2016 12:01 15/9/2016 12:31 15/9/2016 13:01 5/9/2016 13:31 66 5/9/2016 14:01 66 5/9/2016 14:31 66 5/9/2016 15:01 66 15/9/2016 15:31 67 5/9/2016 16:01 65 5/9/2016 16:31 5/9/2016 17:01 15/9/2016 17:31 5/9/2016 18:01 17/9/2016 18:31 62 17/9/2016 7:01 65 7/9/2016 7:31 7/9/2016 8:01 66 17/9/2016 8:31 67 17/9/2016 9:01 6 17/9/2016 9:31 68 17/9/2016 10:01 64 17/9/2016 10:31 64 17/9/2016 11:01 66 17/9/2016 11:31 17/9/2016 12:01 66 17/9/2016 12.3166 17/9/2016 13.0165 77/9/2016 13:31 67 7/9/2016 14:01 67 17/92016 14:31 66 17/9/2016 15.01 17/9/2016 15.31 17/9/2016 16:01 17/9/2016 16:01 17/9/2016 16:31 67 17/2016 17:01 66 17/9/2016 17:31 67 17/9/2016 18:31 66 19/9/2016 7:01 67 19/9/2016 7:31 66

19/9/2016 8:01 65 19/9/2016 8:31 $\begin{array}{lll}19 / 9 / 20169: 01 & 66 \\ 19 / 9 / 2016 & 9.31 & 67\end{array}$ $\begin{array}{ll}19 / 9 / 20169: 31 & 67 \\ 19 / 9 / 2016 & 10: 01 \\ 67\end{array}$ 19/9/2016 10:01 67 19/9/2016 10:31 67 19/9/2016 11:01 19/9/2016 11:31 19/9/2016 12:01 19/9/2016 12:31 19/9/2016 13:01 19/9/2016 13:31 19/9/2016 14:01 19/9/2016 14:31 19/9/2016 15:01 19/9/2016 15.31 19/9/2016 16:01 6 19/9/2016 16:31 19/9/2016 16:31 19/9/2016 17:31 19/9/2016 18:01 19/9/2016 18:31 20/9/2016 7:01 20/9/2016 7:31 6 20/9/2016 8:01 67 20/9/2016 8:31 68 20/9/2016 9:01 20/9/2016 9:31 20/9/2016 10:31 20/9/2016 11:01 20/9/2016 11:31 20/9/2016 12:01 20/9/2016 12:31 20/9/2016 12:31 20/9/2016 13:01 20/9/2016 14:01 20/9/2016 14.31 20/9/2016 14:31 6 20/9/2016 15:01 67 20/9/2016 15:31 20/9/2016 16:01 20/92016 16:31 67 20/2016 17:01 67 20/9/2016 17:31 65 2019/2016 18:01 6 20/9/2016 18:31 21/9/2016 7:01 21/9/2016 7:31 21/9/2016 8:01 21/9/2016 9:01 21/9/2016 9:31 21/9/2016 10:01 21/9/2016 10:01
$21 / 9 / 2016$ 10:31 21/9/2016 11:01 6 21/9/2016 11:01
21/9/2016 11:31 21/9/2016 12.01 21/9/2016 12.31 21/9/2016 12:31 6 21/9/2016 13:31 21/912016 14:31 21/012016 14:01 21/9/2016 14:31 21/2016 15:01 67 21/9/2016 15:31 67 21/9/2016 16:01 6 21/9/2016 16:31 67 21/9/2016 17:01 67 21/9/2016 17:31 6 21/9/2016 18:01 66 21/9/2016 18:31 22/9/2016 7:31 22/9/2016 8:01 22/9/2016 8:31 22/9/2016 9:01 22/9/2016 9:01
22/9/2016 9:31 22/9/2016 10:01 67 22/9/2016 10:31 6 22/9/2016 11:01 6 22/9/2016 11:31 22/9/2016 12:01 22/9/2016 12:31 22/9/2016 13:01 22/9/2016 13:31 67 22/9/2016 14:01 6 22/9/2016 14:31 66 22/9/2016 15:01 67 22/9/2016 15:31 67 22/9/2016 16:01 67 22/9/2016 16:31 22/9/2016 17:01 22/9/2016 18:01 22/9/2016 18:31 23/9/2016 7.01 6 23/9/2016 7:31 66 23/9/2016 8:01 66 23/9/2016 8:31 66 23/9/2016 9:01 66 23/9/2016 9:31 23/9/2016 10:01 67 23/9/2016 10:31 67 23/9/2016 11:01 67 23/9/2016 11:31 66 23/9/2016 12:01 66 23/9/2016 12:31 66 23/9/2016 13:01 66 23/9/2016 13:31 68

23/9/2016 14:31 67 23/9/2016 15:01 66 23/9/2016 15:31 66 23/9/2016 16:01 66 23/9/2016 16:31 66 23/9/2016 17:01 66 23/9/2016 17:31 67 23/9/2016 18:01 65 23/9/2016 18:31 63 24/9/2016 7:01 24/9/2016 7:31 24/9/2016 8:01 24/9/2016 8:31 24/9/2016 9:01 67 24/9/2016 9:31 67 24/9/2016 10:01 66 24/9/2016 10:31 67 24/9/2016 11:01 24/9/2016 11:31 24/9/2016 12:01 24/9/2016 12:31 65 24/9/2016 13:01 65 24/9/2016 13:31 65 24/9/2016 14:01 65 24/9/2016 14:31 66 24/9/2016 15:01 66 24/9/2016 15:31 66 24/9/2016 16:01 66 24/9/2016 16:31 24/9/2016 17:01 24/9/2016 17:31 24/9/2016 18:01 66 24/9/2016 18:31 65 26/9/2016 7:01 65 26/9/2016 7:31 66 26/9/2016 8:01 65 26/9/2016 8:31 65 26/9/2016 9:01 66 26/9/2016 9:31 67 26/9/2016 10:01 67 26/9/2016 10:31 67 26/9/2016 11:01 67 26/9/2016 11:31 66 26/9/2016 12:01 65 26/9/2016 12:31 66 26/9/2016 13:01 66 26/9/2016 13:31 66 26/9/2016 14:01 66 26/9/2016 15:01 26/9/2016 15:31 26/9/2016 16:01 26/9/2016 16:31 66 26/9/2016 17:01 66 26/9/2016 18:01 65 26/9/2016 18:31 62

Normal Day 19:00-23:00, Sunday \& Holiday 07.00-23.00

27/8/2016 19:01 65 27/8/2016 19:06 65 27/8/2016 19:11 65 27/8/2016 19:16 66 27/8/2016 19:21 65 27/8/2016 19:26 65 27/8/2016 19:31 65 27/8/2016 19:36 27/8/2016 19:41 27/8/2016 19:46 27/8/2016 19:51 27/8/2016 19:56 65 27/8/2016 20:01 65 27/8/2016 20:06 65 27/8/2016 20:11 65 27/8/2016 20:16 64 27/8/2016 20:21 27/8/2016 20:26 27/8/2016 20:26 27/8/2016 20:31 27/8/2016 20:36 65 27/8/2016 20:41 64 27/8/2016 20:46 64 27/8/2016 20:51 65 27/82016 20:56 64 27/8/2016 21:01 65 27/8/2016 21:06 27/8/2016 21:11 27/8/2016 21.21 27/8/2016 21:26 27/8/2016 21:31 27/8/2016 21:36 27/8/2016 21:41 64 27/8/2016 21:46 65 27/8/2016 21.51 65 27/8/2016 21:56 64 27/8/2016 22:01 64 27/8/2016 22.06 65 $27 / 8 / 2016$ 22:11 27/8/2016 22:11
27/8/2016 22:16 27/8/2016 22:21 64 27/8/2016 22:26 64 27/8/2016 22:31 64 27/8/2016 22:36 65 27/8/2016 22:41 64 $\begin{array}{lll}27 / 8 / 2016 & 22: 46 & 64 \\ \text { 27/8/2016 22:51 } & 64\end{array}$

| Real-time Noise | Data | N3 (Po Leung Kuk | Yu | Memorial School |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27/8/2016 22:56 | 64 | 28/8/2016 16:01 | 66 | 29/8/2016 21:06 | 65 | 31/8/2016 22:11 | 64 |
| 28/8/2016 7:01 | 63 | 28/8/2016 16:06 | 65 | 29/8/2016 21:11 | 64 | 31/8/2016 22:16 | 64 |
| 28/8/2016 7:06 | 66 | 28/8/2016 16:11 | 66 | 29/8/2016 21:16 | 64 | 31/8/2016 22:21 | 64 |
| 28/8/2016 7:11 | 66 | 28/8/2016 16:16 | 66 | 29/8/2016 21:21 | 64 | 31/8/2016 22:26 | 65 |
| 28/8/2016 7:16 | 63 | 28/8/2016 16:21 | 66 | 29/8/2016 21:26 | 65 | 31/8/2016 22:31 | 64 |
| 28/8/2016 7:21 | 64 | 28/8/2016 16:26 | 66 | 29/8/2016 21:31 | 65 | 31/8/2016 22:36 | 65 |
| 28/8/2016 7:26 | 66 | 28/8/2016 16:31 | 66 | 29/8/2016 21:36 | 65 | 31/8/2016 22:4 | 64 |
| 28/8/2016 7:31 | 64 | 28/8/2016 16:36 | 65 | 29/8/2016 21:41 | 65 | 31/8/2016 22:46 | 64 |
| 28/8/2016 7:36 | 64 | 28/8/2016 16:41 | 66 | 29/8/2016 21:46 | 66 | 31/8/2016 22:51 | 64 |
| 28/8/2016 7:41 | 64 | 28/8/2016 16:46 | 66 | 29/8/2016 21:51 | 65 | 31/8/2016 22:56 | 64 |
| 28/8/2016 7:46 | 65 | 28/8/2016 16:51 | 66 | 29/8/2016 21:56 | 65 | 1/9/2016 19:01 | 66 |
| 28/8/2016 7:51 | 64 | 28/8/2016 16:56 | 66 | 29/8/2016 22:01 | 64 | 1/9/2016 19:06 | 56 |
| 28/8/2016 7:56 | 64 | 28/8/2016 17:01 | 66 | 29/8/2016 22:06 | 64 | 1/9/2016 19:11 | 64 |
| 28/8/2016 8:01 | 64 | 28/8/2016 17:06 | 60 | 29/8/2016 22:11 | 65 | 1/9/2016 19:16 | 64 |
| 28/8/2016 8:06 | 64 | 28/8/2016 17:11 | 65 | 29/8/2016 22:16 | 64 | 1/9/2016 19:21 | 65 |
| 28/8/2016 8:11 | 65 | 28/8/2016 17:16 | 65 | 29/8/2016 22:21 | 64 | 1/9/2016 19:26 | 65 |
| 28/8/2016 8:16 | 65 | 28/8/2016 17:21 | 66 | 29/8/2016 22:26 | 64 | 1/9/2016 19:31 | 65 |
| 28/8/2016 8:21 | 65 | 28/8/2016 17:26 | 66 | 29/8/2016 22:31 | 65 | 1/9/2016 19:36 | 66 |
| 28/8/2016 8:26 | 65 | 28/8/2016 17:31 | 65 | 29/8/2016 22:36 | 65 | 1/9/2016 19:41 | 66 |
| 28/8/2016 8:31 | 65 | 28/8/2016 17:36 | 66 | 29/8/2016 22:41 | 65 | 1/9/2016 19:46 | 66 |
| 28/8/2016 8:36 | 65 | 28/8/2016 17:41 | 65 | 29/8/2016 22:46 | 63 | 1/9/2016 19:51 | 64 |
| 28/8/2016 8:41 | 65 | 28/8/2016 17:46 | 66 | 29/8/2016 22:51 | 64 | 1/9/2016 19:56 | 65 |
| 28/8/2016 8:46 | 65 | 28/8/2016 17:51 | 66 | 29/8/2016 22:56 | 64 | 1/9/2016 20:01 | 63 |
| 28/8/2016 8:51 | 65 | 28/8/2016 17:56 | 66 | 30/8/2016 19:01 | 65 | 1/9/2016 20:06 | 66 |
| 28/8/2016 8:56 | 65 | 28/8/2016 18:01 | 66 | 30/8/2016 19:06 | 65 | 19/2016 20:11 | 64 |
| 28/8/2016 9:01 | 65 | 28/8/2016 18:06 | 66 | 30/8/2016 19:11 | 65 | 1/9/2016 20:16 | 65 |
| 28/8/2016 9:06 | 66 | 28/8/2016 18:11 | 66 | 30/8/2016 19:16 | 65 | 1/9/2016 20:21 | 64 |
| 28/8/2016 9:11 | 66 | 28/8/2016 18:16 | 66 | 30/8/2016 19:21 | 65 | 1/9/2016 20:26 | 62 |
| 28/8/2016 9:16 | 66 | 28/8/2016 18:21 | 66 | 30/8/2016 19:26 | 65 | 1/9/2016 20:31 | 65 |
| 28/8/2016 9:21 | 66 | 28/8/2016 18:26 | 66 | 30/8/2016 19:31 | 65 | 1/9/2016 20:36 | 62 |
| 28/8/2016 9:26 | 66 | 28/8/2016 18:31 | 66 | 30/8/2016 19:36 | 65 | 1/9/2016 20:41 | 64 |
| 28/8/2016 9:31 | 66 | 28/8/2016 18:36 | 66 | 30/8/2016 19:41 | 65 | 1/9/2016 20:46 | 63 |
| 28/8/2016 9:36 | 66 | 28/8/2016 18:41 | 65 | 30/8/2016 19:46 | 65 | 1/9/2016 20:51 | 65 |
| 28/8/2016 9:41 | 66 | 28/8/2016 18:46 | 66 | 30/8/2016 19:51 | 65 | 1/9/2016 20:56 | 65 |
| 28/8/2016 9:46 | 66 | 28/8/2016 18:51 | 65 | 30/8/2016 19:56 | 65 | 1/9/2016 21:01 | 65 |
| 28/8/2016 9:51 | 66 | 28/8/2016 18:56 | 65 | 30/8/2016 20:01 | 65 | 1/9/2016 21:06 | 63 |
| 28/8/2016 9:56 | 66 | 28/8/2016 19:01 | 65 | 30/8/2016 20:06 | 65 | 1/9/2016 21:11 | 61 |
| 28/8/2016 10:01 | 66 | 28/8/2016 19:06 | 66 | 30/8/2016 20:11 | 64 | 1/9/2016 21:16 | 63 |
| 28/8/2016 10:06 | 66 | 28/8/2016 19:11 | 66 | 30/8/2016 20:16 | 65 | 1/9/2016 21:21 | 63 |
| 28/8/2016 10:11 | 66 | 28/8/2016 19:16 | 65 | 30/8/2016 20:21 | 65 | 1/9/2016 21:26 | 63 |
| 28/8/2016 10:16 | 66 | 28/8/2016 19:21 | 66 | 30/8/2016 20:26 | 64 | 1/9/2016 21:31 | 64 |
| 28/8/2016 10:21 | 66 | 28/8/2016 19:26 | 65 | 30/8/2016 20:31 | 65 | 1/9/2016 21:36 | 62 |
| 28/8/2016 10:26 | 50 | 28/8/2016 19:31 | 66 | 30/8/2016 20:36 | 64 | 1/9/2016 21:41 | 62 |
| 28/8/2016 10:31 | 66 | 28/8/2016 19:36 | 65 | 30/8/2016 20:41 | 65 | 1/9/2016 21:46 | 62 |
| 28/8/2016 10:36 | 66 | 28/8/2016 19:41 | 66 | 30/8/2016 20:46 | 64 | 1/9/2016 21:51 | 64 |
| 28/8/2016 10:41 | 53 | 28/8/2016 19:46 | 65 | 30/8/2016 20:51 | 64 | 1/9/2016 21:56 | 64 |
| 28/8/2016 10:46 | 58 | 28/8/2016 19:51 | 65 | 30/8/2016 20:56 | 64 | 1/9/2016 22:01 | 62 |
| 28/8/2016 10:51 | 55 | 28/8/2016 19:56 | 65 | 30/8/2016 21:01 | 64 | 1/9/2016 22:06 | 60 |
| 28/8/2016 10:56 | 66 | 28/8/2016 20:01 | 66 | 30/8/2016 21:06 | 64 | 1/9/2016 22:11 | 63 |
| 28/8/2016 11:01 | 66 | 28/8/2016 20:06 | 65 | 30/8/2016 21:11 | 64 | 1/9/2016 22:16 | 64 |
| 28/8/2016 11:06 | 66 | 28/8/2016 20:11 | 65 | 30/8/2016 21:16 | 64 | 1/9/2016 22:21 | 64 |
| 28/8/2016 11:11 | 66 | 28/8/2016 20:16 | 66 | 30/8/2016 21:21 | 64 | 1/9/2016 22:26 | 63 |
| 28/8/2016 11:16 | 66 | 28/8/2016 20:21 | 65 | 30/8/2016 21:26 | 64 | 1/9/2016 22:31 | 62 |
| 28/8/2016 11:21 | 66 | 28/8/2016 20:26 | 48 | 30/8/2016 21:31 | 64 | 1/9/2016 22:36 | 62 |
| 28/8/2016 11:26 | 50 | 28/8/2016 20:31 | 65 | 30/8/2016 21:36 | 64 | 1/9/2016 22:41 | 64 |
| 28/8/2016 11:31 | 66 | 28/8/2016 20:36 | 65 | 30/8/2016 21:41 | 64 | 1/9/2016 22:46 | 62 |
| 28/8/2016 11:36 | 66 | 28/8/2016 20:41 | 64 | 30/8/2016 21:46 | 64 | 1/9/2016 22:51 | 64 |
| 28/8/2016 11:41 | 64 | 28/8/2016 20:46 | 65 | 30/8/2016 21:51 | 65 | 1/9/2016 22:56 | 62 |
| 28/8/2016 11:46 | 64 | 28/8/2016 20:51 | 64 | 30/8/2016 21:56 | 65 | 2/9/2016 19:01 | 61 |
| 28/8/2016 11:51 | 65 | 28/8/2016 20:56 | 65 | 30/8/2016 22:01 | 65 | 2/9/2016 19:06 | 61 |
| 28/8/2016 11:56 | 66 | 28/8/2016 21:01 | 65 | 30/8/2016 22:06 | 64 | 2/9/2016 19:11 | 61 |
| 28/8/2016 12:01 | 65 | 28/8/2016 21:06 | 65 | 30/8/2016 22:11 | 65 | 2/9/2016 19:16 | 60 |
| 28/8/2016 12:06 | 66 | 28/8/2016 21:11 | 65 | 30/8/2016 22:16 | 64 | 2/9/2016 19:21 | 61 |
| 28/8/2016 12:11 | 66 | 28/8/2016 21:16 | 65 | 30/8/2016 22:21 | 64 | 2/9/2016 19:26 | 60 |
| 28/8/2016 12:16 | 66 | 28/8/2016 21:21 | 65 | 30/8/2016 22:26 | 64 | 2/9/2016 19:31 | 61 |
| 28/8/2016 12:21 | 65 | 28/8/2016 21:26 | 64 | 30/8/2016 22:31 | 64 | 2/9/2016 19:36 | 64 |
| 28/8/2016 12:26 | 66 | 28/8/2016 21:31 | 64 | 30/8/2016 22:36 | 64 | 2/9/2016 19:41 | 64 |
| 28/8/2016 12:31 | 65 | 28/8/2016 21:36 | 64 | 30/8/2016 22:41 | 65 | 2/9/2016 19:46 | 65 |
| 28/8/2016 12:36 | 66 | 28/8/2016 21:41 | 64 | 30/8/2016 22:46 | 64 | 2/9/2016 19:51 | 65 |
| 28/8/2016 12:41 | 66 | 28/8/2016 21:46 | 64 | 30/8/2016 22:51 | 64 | 2/9/2016 19:56 | 65 |
| 28/8/2016 12:46 | 66 | 28/8/2016 21:51 | 64 | 30/8/2016 22:56 | 64 | 2/9/2016 20:01 | 65 |
| 28/8/2016 12:51 | 66 | 28/8/2016 21:56 | 65 | 31/8/2016 19:01 | 62 | 2/9/2016 20:06 | 65 |
| 28/8/2016 12:56 | 66 | 28/8/2016 22:01 | 64 | 31/8/2016 19:06 | 62 | 2/9/2016 20:11 | 65 |
| 28/8/2016 13:01 | 66 | 28/8/2016 22:06 | 64 | 31/8/2016 19:11 | 64 | 2/9/2016 20:16 | 65 |
| 28/8/2016 13:06 | 66 | 28/8/2016 22:11 | 65 | 31/8/2016 19:16 | 64 | 2/9/2016 20:21 | 65 |
| 28/8/2016 13:11 | 66 | 28/8/2016 22:16 | 64 | 31/8/2016 19:21 | 64 | 2/9/2016 20:26 | 65 |
| 28/8/2016 13:16 | 66 | 28/8/2016 22:21 | 64 | 31/8/2016 19:26 | 65 | 2/9/2016 20:31 | 65 |
| 28/8/2016 13:21 | 65 | 28/8/2016 22:26 | 64 | 31/8/2016 19:31 | 64 | 2/9/2016 20:36 | 64 |
| 28/8/2016 13:26 | 65 | 28/8/2016 22:31 | 64 | 31/8/2016 19:36 | 65 | 2/9/2016 20:41 | 64 |
| 28/8/2016 13:31 | 65 | 28/8/2016 22:36 | 64 | 31/8/2016 19:41 | 65 | 2/9/2016 20:46 | 64 |
| 28/8/2016 13:36 | 65 | 28/8/2016 22:41 | 65 | 31/8/2016 19:46 | 65 | 2/9/2016 20:51 | 65 |
| 28/8/2016 13:41 | 65 | 28/8/2016 22:46 |  | 31/8/2016 19:51 | 65 | 2/9/2016 20:56 | 65 |
| 28/8/2016 13:46 | 65 | 28/8/2016 22:51 | 64 | 31/8/2016 19:56 | 65 | 2/9/2016 21:01 | 64 |
| 28/8/2016 13:51 | 65 | 28/8/2016 22:56 | 64 | 31/8/2016 20:01 | 65 | 2/9/2016 21:06 | 65 |
| 28/8/2016 13:56 | 65 | 29/8/2016 19:01 | 65 | 31/8/2016 20:06 | 66 | 2/9/2016 21:11 | 65 |
| 28/8/2016 14:01 | 66 | 29/8/2016 19:06 | 65 | 31/8/2016 20:11 | 65 | 2/9/2016 21:16 | 65 |
| 28/8/2016 14:06 | 66 | 29/8/2016 19:11 | 65 | 31/8/2016 20:16 | 65 | 2/9/2016 21:21 | 65 |
| 28/8/2016 14:11 | 65 | 29/8/2016 19:16 | 65 | 31/8/2016 20:21 | 65 | 2/9/2016 21:26 | 65 |
| 28/8/2016 14:16 | 66 | 29/8/2016 19:21 | 65 | 31/8/2016 20:26 | 65 | 2/9/2016 21:31 | 64 |
| 28/8/2016 14:21 | 65 | 29/8/2016 19:26 | 65 | 31/8/2016 20:31 | 64 | 2/9/2016 21:36 | 66 |
| 28/8/2016 14:26 | 65 | 29/8/2016 19:31 | 66 | 31/8/2016 20:36 | 64 | 2/9/2016 21:41 | 65 |
| 28/8/2016 14:31 | 66 | 29/8/2016 19:36 |  | 31/8/2016 20:41 | 65 | 2/9/2016 21:46 | 64 |
| 28/8/2016 14:36 | 65 | 29/8/2016 19:41 | 65 | 31/8/2016 20:46 | 64 | 2/9/2016 21:51 | 64 |
| 28/8/2016 14:41 | 65 | 29/8/2016 19:46 | 66 | 31/8/2016 20:51 | 65 | 2/9/2016 21:56 | 65 |
| 28/8/2016 14:46 | 66 | 29/8/2016 19:51 |  | 31/8/2016 20:56 | 64 | 2/9/2016 22:01 | 65 |
| 28/8/2016 14:51 | 66 | 29/8/2016 19:56 | 65 | 31/8/2016 21:01 | 64 | 2/9/2016 22:06 | 64 |
| 28/8/2016 14:56 | 65 | 29/8/2016 20:01 | 65 | 31/8/2016 21:06 | 64 | 2/9/2016 22:11 | 66 |
| 28/8/2016 15:01 | 65 | 29/8/2016 20:06 | 65 | 31/8/2016 21:11 | 64 | 2/9/2016 22:16 | 65 |
| 28/8/2016 15:06 | 65 | 29/8/2016 20:11 | 65 | 31/8/2016 21:16 | 64 | 2/9/2016 22:21 | 64 |
| 28/8/2016 15:11 | 65 | 29/8/2016 20:16 | 65 | 31/8/2016 21:21 | 65 | 2/9/2016 22:26 | 64 |
| 28/8/2016 15:16 | 65 | 29/8/2016 20:21 | 65 | 31/8/2016 21:26 | 64 | 2/9/2016 22:31 | 65 |
| 28/8/2016 15:21 | 65 | 29/8/2016 20:26 | 65 | 31/8/2016 21:31 | 64 | 2/9/2016 22:36 | 64 |
| 28/8/2016 15:26 | 66 | 29/8/2016 20:31 | 65 | 31/8/2016 21:36 | 64 | 2/9/2016 22:41 | 65 |
| 28/8/2016 15:31 | 66 | 29/8/2016 20:36 | 65 | 31/8/2016 21:41 | 65 | 2/9/2016 22:46 | 5 |
| 28/8/2016 15:36 | 66 | 29/8/2016 20:41 | 65 | 31/8/2016 21:46 | 65 | 2/9/2016 22:51 | 64 |
| 28/8/2016 15:41 | 65 | 29/8/2016 20:46 | 65 | 31/8/2016 21:51 | 64 | 2/9/2016 22:56 | 65 |
| 28/8/2016 15:46 | 65 | 29/8/2016 20:51 | 65 | 31/8/2016 21:56 | 64 | 3/9/2016 19:01 | 64 |
| $\begin{array}{ll} \text { 28/8/2016 15:51 } \\ \text { 28/8/2016 15:56 } \end{array}$ | $\begin{aligned} & 66 \\ & 66 \end{aligned}$ | 29/8/2016 20:56 |  | 31/8/2016 22:01 31/8/2016 22:06 |  | 3/9/2016 19:06 3/9/2016 19:11 | 64 |


| Real-time Noise | Data | RTN3 (Po Leung Ku | Yu | Memorial Schoo |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4/9/2016 21:26 | 64 | 6/9/2016 22:31 | 64 | 9/9/2016 19:36 | 65 |
| 4/9/2016 21:31 | 64 | 6/9/2016 22:36 | 64 | 9/9/2016 19:41 | 66 |
| 4/9/2016 21:36 | 64 | 6/9/2016 22:41 | 64 | 9/9/2016 19:46 | 65 |
| 4/9/2016 21:41 | 64 | 6/9/2016 22:46 | 65 | 9/9/2016 19:51 | 66 |
| 4/9/2016 21:46 | 64 | 6/9/2016 22:51 | 64 | 9/9/2016 19:56 | 66 |
| 4/9/2016 21:51 | 64 | 6/9/2016 22:56 | 64 | 9/9/2016 20:01 | 65 |
| 4/9/2016 21:56 | 65 | 7/9/2016 19:01 | 62 | 9/9/2016 20:06 | 66 |
| 4/9/2016 22:01 | 64 | 7/9/2016 19:06 | 61 | 9/9/2016 20:11 | 59 |
| 4/9/2016 22:06 | 64 | 7/9/2016 19:11 | 62 | 9/9/2016 20:16 | 65 |
| 4/9/2016 22:11 | 64 | 7/9/2016 19:16 | 62 | 9/9/2016 20:21 | 67 |
| 4/9/2016 22:16 | 64 | 7/9/2016 19:21 | 62 | 9/9/2016 20:26 | 66 |
| 4/9/2016 22:21 | 64 | 7/9/2016 19:26 | 63 | 9/9/2016 20:31 | 65 |
| 4/9/2016 22:26 | 65 | 7/9/2016 19:31 | 63 | 9/9/2016 20:36 | 65 |
| 4/9/2016 22:31 | 64 | 7/9/2016 19:36 | 64 | 9/9/2016 20:41 | 65 |
| 4/9/2016 22:36 | 64 | 7/9/2016 19:41 | 63 | 9/9/2016 20:46 | 65 |
| 4/9/2016 22:41 | 64 | 7/9/2016 19:46 | 64 | 9/9/2016 20:51 | 66 |
| 4/9/2016 22:46 | 64 | 7/9/2016 19:51 | 66 | 9/9/2016 20:56 | 67 |
| 4/9/2016 22:51 | 63 | 7/9/2016 19:56 | 65 | 9/9/2016 21:01 | 66 |
| 4/9/2016 22:56 | 65 | 7/9/2016 20:01 | 66 | 9/9/2016 21:06 | 65 |
| 5/9/2016 19:01 | 53 | 7/9/2016 20:06 | 55 | 9/9/2016 21:11 | 66 |
| 5/9/2016 19:06 | 65 | 7/9/2016 20:11 | 66 | 9/9/2016 21:16 | 67 |
| 5/9/2016 19:11 | 64 | 7/9/2016 20:16 | 66 | 9/9/2016 21:21 | 65 |
| 5/9/2016 19:16 | 63 | 7/9/2016 20:21 | 66 | 9/9/2016 21:26 | 66 |
| 5/9/2016 19:21 | 64 | 7/9/2016 20:26 | 65 | 9/9/2016 21:31 | 65 |
| 5/9/2016 19:26 | 66 | 7/9/2016 20:31 | 65 | 9/9/2016 21:36 | 67 |
| 5/9/2016 19:31 | 66 | 7/9/2016 20:36 | 65 | 9/9/2016 21:41 | 64 |
| 5/9/2016 19:36 | 63 | 7/9/2016 20:41 | 65 | 9/9/2016 21:46 | 66 |
| 5/9/2016 19:41 | 64 | 7/9/2016 20:46 | 64 | 9/9/2016 21:51 | 67 |
| 5/9/2016 19:46 | 64 | 7/9/2016 20:51 | 65 | 9/9/2016 21:56 | 67 |
| 5/9/2016 19:51 | 62 | 7/9/2016 20:56 | 65 | 9/9/2016 22:01 | 65 |
| 5/9/2016 19:56 | 62 | 7/9/2016 21:01 | 64 | 9/9/2016 22:06 | 66 |
| 5/9/2016 20:01 | 65 | 7/9/2016 21:06 | 65 | 9/9/2016 22:11 | 67 |
| 5/9/2016 20:06 | 63 | 7/9/2016 21:11 | 65 | 9/9/2016 22:16 | 66 |
| 5/9/2016 20:11 | 65 | 7/9/2016 21:16 | 65 | 9/9/2016 22:21 | 67 |
| 5/9/2016 20:16 | 66 | 7/9/2016 21:21 | 66 | 9/9/2016 22:26 | 66 |
| 5/9/2016 20:21 | 64 | 7/9/2016 21:26 | 66 | 9/9/2016 22:31 | 67 |
| 5/9/2016 20:26 | 64 | 7/9/2016 21:31 | 65 | 9/9/2016 22:36 | 68 |
| 5/9/2016 20:31 | 63 | 7/9/2016 21:36 | 65 | 9/9/2016 22:41 | 67 |
| 5/9/2016 20:36 | 63 | 7/9/2016 21:41 | 65 | 9/9/2016 22:46 | 67 |
| 5/9/2016 20:41 | 65 | 7/9/2016 21:46 | 65 | 9/9/2016 22:51 | 61 |
| 5/9/2016 20:46 | 63 | 7/9/2016 21:51 | 65 | 9/9/2016 22:56 | 66 |
| 5/9/2016 20:51 | 61 | 7/9/2016 21:56 | 64 | 10/9/2016 19:01 | 67 |
| 5/9/2016 20:56 | 62 | 7/9/2016 22:01 | 66 | 10/9/2016 19:06 | 69 |
| 5/9/2016 21:01 | 62 | 7/9/2016 22:06 | 65 | 10/9/2016 19:11 | 65 |
| 5/9/2016 21:06 | 63 | 7/9/2016 22:11 | 64 | 10/9/2016 19:16 | 67 |
| 5/9/2016 21:11 | 58 | 7/9/2016 22:16 | 65 | 10/9/2016 19:21 | 65 |
| 5/9/2016 21:16 | 61 | 7/9/2016 22:21 | 65 | 10/9/2016 19:26 | 66 |
| 5/9/2016 21:21 | 64 | 7/9/2016 22:26 | 65 | 10/9/2016 19:31 | 67 |
| 5/9/2016 21:26 | 66 | 7/9/2016 22:31 | 64 | 10/9/2016 19:36 | 70 |
| 5/9/2016 21:31 | 66 | 7/9/2016 22:36 | 65 | 10/9/2016 19:41 | 66 |
| 5/9/2016 21:36 | 64 | 7/9/2016 22:41 | 65 | 10/9/2016 19:46 | 67 |
| 5/9/2016 21:41 | 64 | 7/9/2016 22:46 | 65 | 10/9/2016 19:51 | 65 |
| 5/9/2016 21:46 | 66 | 7/9/2016 22:51 | 64 | 10/9/2016 19:56 | 66 |
| 5/9/2016 21:51 | 64 | 7/9/2016 22:56 | 64 | 10/9/2016 20:01 | 68 |
| 5/9/2016 21:56 | 62 | 8/9/2016 19:01 | 61 | 10/9/2016 20:06 | 65 |
| 5/9/2016 22:01 | 62 | 8/9/2016 19:06 | 62 | 10/9/2016 20:11 | 65 |
| 5/9/2016 22:06 | 60 | 8/9/2016 19:11 | 62 | 10/9/2016 20:16 | 65 |
| 5/9/2016 22:11 | 62 | 8/9/2016 19:16 | 62 | 10/9/2016 20:21 | 66 |
| 5/9/2016 22:16 | 61 | 8/9/2016 19:21 | 61 | 10/9/2016 20:26 | 65 |
| 5/9/2016 22:21 | 63 | 8/9/2016 19:26 | 62 | 10/9/2016 20:31 | 65 |
| 5/9/2016 22:26 | 62 | 8/9/2016 19:31 | 62 | 10/9/2016 20:36 | 64 |
| 5/9/2016 22:31 | 64 | 8/9/2016 19:36 | 62 | 10/9/2016 20:41 | 65 |
| 5/9/2016 22:36 | 61 | 8/9/2016 19:41 | 64 | 10/9/2016 20:46 | 64 |
| 5/9/2016 22:41 | 64 | 8/9/2016 19:46 | 66 | 10/9/2016 20:51 | 64 |
| 5/9/2016 22:46 | 62 | 8/9/2016 19:51 | 66 | 10/9/2016 20:56 | 66 |
| 5/9/2016 22:51 | 62 | 8/9/2016 19:56 | 66 | 10/9/2016 21:01 | 65 |
| 5/9/2016 22:56 | 59 | 8/9/2016 20:01 | 65 | 10/9/2016 21:06 | 66 |
| 6/9/2016 19:01 | 66 | 8/9/2016 20:06 | 65 | 10/9/2016 21:11 | 63 |
| 6/9/2016 19:06 | 65 | 8/9/2016 20:11 | 65 | 10/9/2016 21:16 | 65 |
| 6/9/2016 19:11 | 67 | 8/9/2016 20:16 | 65 | 10/9/2016 21:21 | 66 |
| 6/9/2016 19:16 | 66 | 8/9/2016 20:21 | 65 | 10/9/2016 21:26 | 66 |
| 6/9/2016 19:21 | 66 | 8/9/2016 20:26 | 65 | 10/9/2016 21:31 | 66 |
| 6/9/2016 19:26 | 65 | 8/9/2016 20:31 | 66 | 10/9/2016 21:36 | 64 |
| 6/9/2016 19:31 | 66 | 8/9/2016 20:36 | 65 | 10/9/2016 21:41 | 65 |
| 6/9/2016 19:36 | 65 | 8/9/2016 20:41 | 65 | 10/9/2016 21:46 | 65 |
| 6/9/2016 19:41 | 65 | 8/9/2016 20:46 | 65 | 10/9/2016 21:51 | 67 |
| 6/9/2016 19:46 | 65 | 8/9/2016 20:51 | 65 | 10/9/2016 21:56 | 67 |
| 6/9/2016 19:51 | 66 | 8/9/2016 20:56 | 65 | 10/9/2016 22:01 | 66 |
| 6/9/2016 19:56 | 67 | 8/9/2016 21:01 | 65 | 10/9/2016 22:06 | 65 |
| 6/9/2016 20:01 | 66 | 8/9/2016 21:06 | 64 | 10/9/2016 22:11 | 67 |
| 6/9/2016 20:06 | 68 | 8/9/2016 21:11 | 65 | 10/9/2016 22:16 | 66 |
| 6/9/2016 20:11 | 66 | 8/9/2016 21:16 | 64 | 10/9/2016 22:21 | 64 |
| 6/9/2016 20:16 | 61 | 8/9/2016 21:21 | 64 | 10/9/2016 22:26 | 65 |
| 6/9/2016 20:21 | 66 | 8/9/2016 21:26 | 66 | 10/9/2016 22:31 | 64 |
| 6/9/2016 20:26 | 65 | 8/9/2016 21:31 | 66 | 10/9/2016 22:36 | 66 |
| 6/9/2016 20:31 | 65 | 8/9/2016 21:36 | 64 | 10/9/2016 22:41 | 65 |
| 6/9/2016 20:36 | 64 | 8/9/2016 21:41 | 64 | 10/9/2016 22:46 | 64 |
| 6/9/2016 20:41 | 65 | 8/9/2016 21:46 | 65 | 10/9/2016 22:51 | 66 |
| 6/9/2016 20:46 | 64 | 8/9/2016 21:51 | 65 | 10/9/2016 22:56 | 65 |
| 6/9/2016 20:51 | 65 | 8/9/2016 21:56 | 65 | 11/9/2016 7:01 | 62 |
| 6/9/2016 20:56 | 65 | 8/9/2016 22:01 | 65 | 11/9/2016 7:06 | 62 |
| 6/9/2016 21:01 | 64 | 8/9/2016 22:06 | 65 | 11/9/2016 7:11 | 63 |
| 6/9/2016 21:06 | 64 | 8/9/2016 22:11 | 65 | 11/9/2016 7:16 | 66 |
| 6/9/2016 21:11 | 64 | 8/9/2016 22:16 | 65 | 11/9/2016 7:21 | 63 |
| 6/9/2016 21:16 | 64 | 8/9/2016 22:21 | 65 | 11/9/2016 7:26 | 65 |
| 6/9/2016 21:21 | 65 | 8/9/2016 22:26 | 64 | 11/9/2016 7:31 | 63 |
| 6/9/2016 21:26 | 64 | 8/9/2016 22:31 | 65 | 11/9/2016 7:36 | 63 |
| 6/9/2016 21:31 | 64 | 8/9/2016 22:36 | 65 | 11/9/2016 7:41 | 63 |
| 6/9/2016 21:36 | 64 | 8/9/2016 22:41 | 65 | 11/9/2016 7:46 | 64 |
| 6/9/2016 21:41 | 64 | 8/9/2016 22:46 | 65 | 11/9/2016 7:51 | 65 |
| 6/9/2016 21:46 | 64 | 8/9/2016 22:51 | 64 | 11/9/2016 7:56 | 64 |
| 6/9/2016 21:51 | 65 | 8/9/2016 22:56 | 64 | 11/9/2016 8:01 | 64 |
| 6/9/2016 21:56 | 65 | 9/9/2016 19:01 | 64 | 11/9/2016 8:06 | 64 |
| 6/9/2016 22:01 | 64 | 9/9/2016 19:06 | 65 | 11/9/2016 8:11 | 65 |
| 6/9/2016 22:06 | 64 | 9/9/2016 19:11 | 65 | 11/9/2016 8:16 | 65 |
| 6/9/2016 22:11 | 64 | 9/9/2016 19:16 | 65 | 11/9/2016 8:21 | 65 |
| 6/9/2016 22:16 | 65 | 9/9/2016 19:21 | 65 | 11/9/2016 8:26 | 65 |
| $\begin{aligned} & \text { 6/9/2016 22:21 } \\ & \text { 6/9/2016 22:26 } \end{aligned}$ | 65 65 | 9/9/2016 19:26 |  | 11/9/2016 8:31 11/9/2016 8:36 | 65 65 |


| 11/9/2016 8:41 | 65 | 11/9/2016 17:46 | 66 | 12/9/2016 22:51 | 65 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 11/9/2016 8:46 | 65 | 11/9/2016 17:51 | 56 | 12/9/2016 22:56 | 65 |
| 11/9/2016 8:51 | 66 | 11/9/2016 17:56 | 66 | 13/9/2016 19:01 | 66 |
| 11/9/2016 8:56 | 66 | 11/9/2016 18:01 | 66 | 13/9/2016 19:06 | 65 |
| 11/9/2016 9:01 | 65 | 11/9/2016 18:06 | 66 | 13/9/2016 19:11 | 66 |
| 11/9/2016 9:06 | 65 | 11/9/2016 18:11 | 66 | 13/9/2016 19:16 | 66 |
| 11/9/2016 9:11 | 65 | 11/9/2016 18:16 | 66 | 13/9/2016 19:21 | 66 |
| 11/9/2016 9:16 | 66 | 11/9/2016 18:21 | 66 | 13/9/2016 19:26 | 66 |
| 11/9/2016 9:21 | 49 | 11/9/2016 18:26 | 66 | 13/9/2016 19:31 | 3 |
| 11/9/2016 9:26 | 66 | 11/9/2016 18:31 | 66 | 13/9/2016 19:36 | 52 |
| 11/9/2016 9:31 | 66 | 11/9/2016 18:36 | 66 | 13/9/2016 19:41 | 66 |
| 11/9/2016 9:36 | 66 | 11/9/2016 18:41 | 65 | 13/9/2016 19:46 | 66 |
| 11/9/2016 9:41 | 66 | 11/9/2016 18:46 | 65 | 13/9/2016 19:51 | 66 |
| 11/9/2016 9:46 | 66 | 11/9/2016 18:51 | 65 | 13/9/2016 19:56 | 66 |
| 11/9/2016 9:51 | 66 | 11/9/2016 18:56 | 65 | 13/9/2016 20:01 | 66 |
| 11/9/2016 9:56 | 66 | 11/9/2016 19:01 | 66 | 13/9/2016 20:06 | 66 |
| 11/9/2016 10:01 | 66 | 11/9/2016 19:06 | 66 | 13/9/2016 20:11 | 54 |
| 11/9/2016 10:06 | 66 | 11/9/2016 19:11 | 65 | 13/9/2016 20:16 | 66 |
| 11/9/2016 10:11 | 66 | 11/9/2016 19:16 | 65 | 13/9/2016 20:21 | 66 |
| 11/9/2016 10:16 | 49 | 11/9/2016 19:21 | 66 | 13/9/2016 20:26 | 66 |
| 11/9/2016 10:21 | 56 | 11/9/2016 19:26 | 66 | 13/9/2016 20:31 | 60 |
| 11/9/2016 10:26 | 54 | 11/9/2016 19:31 | 65 | 13/9/2016 20:36 | 65 |
| 11/9/2016 10:31 | 66 | 11/9/2016 19:36 | 65 | 13/9/2016 20:41 | 65 |
| 11/9/2016 10:36 | 66 | 11/9/2016 19:41 | 65 | 13/9/2016 20:46 | 66 |
| 11/9/2016 10:41 | 65 | 11/9/2016 19:46 | 65 | 13/9/2016 20:51 | 65 |
| 11/9/2016 10:46 | 66 | 11/9/2016 19:51 | 65 | 13/9/2016 20:56 | 66 |
| 11/9/2016 10:51 | 66 | 11/9/2016 19:56 | 65 | 13/9/2016 21:01 | 66 |
| 11/9/2016 10:56 | 66 | 11/9/2016 20:01 | 65 | 13/9/2016 21:06 | 65 |
| 11/9/2016 11:01 | 53 | 11/9/2016 20:06 | 65 | 13/9/2016 21:11 | 65 |
| 11/9/2016 11:06 | 66 | 11/9/2016 20:11 | 65 | 13/9/2016 21:16 | 65 |
| 11/9/2016 11:11 | 66 | 11/9/2016 20:16 | 65 | 13/9/2016 21:21 | 65 |
| 11/9/2016 11:16 | 66 | 11/9/2016 20:21 | 65 | 13/9/2016 21:26 | 65 |
| 11/9/2016 11:21 | 66 | 11/9/2016 20:26 | 65 | 13/9/2016 21:31 | 66 |
| 11/9/2016 11:26 | 66 | 11/9/2016 20:31 | 53 | 13/9/2016 21:36 | 65 |
| 11/9/2016 11:31 | 66 | 11/9/2016 20:36 | 65 | 13/9/2016 21:41 | 65 |
| 11/9/2016 11:36 | 56 | 11/9/2016 20:41 | 65 | 13/9/2016 21:46 | 65 |
| 11/9/2016 11:41 | 66 | 11/9/2016 20:46 | 64 | 13/9/2016 21:51 | 65 |
| 11/9/2016 11:46 | 66 | 11/9/2016 20:51 | 65 | 13/9/2016 21:56 | 65 |
| 11/9/2016 11:51 | 66 | 11/9/2016 20:56 | 65 | 13/9/2016 22:01 | 65 |
| 11/9/2016 11:56 | 66 | 11/9/2016 21:01 | 65 | 13/9/2016 22:06 | 65 |
| 11/9/2016 12:01 | 56 | 11/9/2016 21:06 | 64 | 13/9/2016 22:11 | 66 |
| 11/9/2016 12:06 | 66 | 11/9/2016 21:11 | 65 | 13/9/2016 22:16 | 66 |
| 11/9/2016 12:11 | 66 | 11/9/2016 21:16 | 66 | 13/9/2016 22:21 | 65 |
| 11/9/2016 12:16 | 66 | 11/9/2016 21:21 | 66 | 13/9/2016 22:26 | 65 |
| 11/9/2016 12:21 | 66 | 11/9/2016 21:26 | 65 | 13/9/2016 22:31 | 65 |
| 11/9/2016 12:26 | 66 | 11/9/2016 21:31 | 65 | 13/9/2016 22:36 | 65 |
| 11/9/2016 12:31 | 65 | 11/9/2016 21:36 | 65 | 13/9/2016 22:41 | 61 |
| 11/9/2016 12:36 | 66 | 11/9/2016 21:41 | 65 | 13/9/2016 22:46 | 65 |
| 11/9/2016 12:41 | 65 | 11/9/2016 21:46 | 65 | 13/9/2016 22:51 | 65 |
| 11/9/2016 12:46 | 66 | 11/9/2016 21:51 | 65 | 13/9/2016 22:56 | 56 |
| 11/9/2016 12:51 | 66 | 11/9/2016 21:56 | 65 | 14/9/2016 19:01 | 63 |
| 11/9/2016 12:56 | 66 | 11/9/2016 22:01 | 65 | 14/9/2016 19:06 | 63 |
| 11/9/2016 13:01 | 66 | 11/9/2016 22:06 | 65 | 14/9/2016 19:11 | 63 |
| 11/9/2016 13:06 | 65 | 11/9/2016 22:11 | 65 | 14/9/2016 19:16 | 62 |
| 11/9/2016 13:11 | 65 | 11/9/2016 22:16 | 65 | 14/9/2016 19:21 | 63 |
| 11/9/2016 13:16 | 65 | 11/9/2016 22:21 | 65 | 14/9/2016 19:26 | 65 |
| 11/9/2016 13:21 | 65 | 11/9/2016 22:26 | 65 | 14/9/2016 19:31 | 66 |
| 11/9/2016 13:26 | 66 | 11/9/2016 22:31 | 65 | 14/9/2016 19:36 | 60 |
| 11/9/2016 13:31 | 66 | 11/9/2016 22:36 | 64 | 14/9/2016 19:41 | 66 |
| 11/9/2016 13:36 | 65 | 11/9/2016 22:41 | 65 | 14/9/2016 19:46 | 65 |
| 11/9/2016 13:41 | 66 | 11/9/2016 22:46 | 65 | 14/9/2016 19:51 | 65 |
| 11/9/2016 13:46 | 66 | 11/9/2016 22:51 | 64 | 14/9/2016 19:56 | 65 |
| 11/9/2016 13:51 | 66 | 11/9/2016 22:56 | 65 | 14/9/2016 20:01 | 65 |
| 11/9/2016 13:56 | 66 | 12/9/2016 19:01 | 65 | 14/9/2016 20:06 | 66 |
| 11/9/2016 14:01 | 66 | 12/9/2016 19:06 | 65 | 14/9/2016 20:11 | 65 |
| 11/9/2016 14:06 | 65 | 12/9/2016 19:11 | 65 | 14/9/2016 20:16 | 65 |
| 11/9/2016 14:11 | 66 | 12/9/2016 19:16 | 66 | 14/9/2016 20:21 | 65 |
| 11/9/2016 14:16 | 66 | 12/9/2016 19:21 | 65 | 14/9/2016 20:26 | 65 |
| 11/9/2016 14:21 | 57 | 12/9/2016 19:26 | 66 | 14/9/2016 20:31 | 65 |
| 11/9/2016 14:26 | 66 | 12/9/2016 19:31 | 66 | 14/9/2016 20:36 | 65 |
| 11/9/2016 14:31 | 66 | 12/9/2016 19:36 | 66 | 14/9/2016 20:41 | 65 |
| 11/9/2016 14:36 | 66 | 12/9/2016 19:41 | 66 | 14/9/2016 20:46 | 65 |
| 11/9/2016 14:41 | 66 | 12/9/2016 19:46 | 65 | 14/9/2016 20:51 | 65 |
| 11/9/2016 14:46 | 66 | 12/9/2016 19:51 | 66 | 14/9/2016 20:56 | 65 |
| 11/9/2016 14:51 | 66 | 12/9/2016 19:56 | 65 | 14/9/2016 21:01 | 65 |
| 11/9/2016 14:56 | 66 | 12/9/2016 20:01 | 65 | 14/9/2016 21:06 | 64 |
| 11/9/2016 15:01 | 66 | 12/9/2016 20:06 | 65 | 14/9/2016 21:11 | 65 |
| 11/9/2016 15:06 | 66 | 12/9/2016 20:11 | 66 | 14/9/2016 21:16 | 65 |
| 11/9/2016 15:11 | 66 | 12/9/2016 20:16 | 66 | 14/9/2016 21:21 | 65 |
| 11/9/2016 15:16 | 66 | 12/9/2016 20:21 | 68 | 14/9/2016 21:26 | 65 |
| 11/9/2016 15:21 | 57 | 12/9/2016 20:26 | 65 | 14/9/2016 21:31 | 65 |
| 11/9/2016 15:26 | 66 | 12/9/2016 20:31 | 66 | 14/9/2016 21:36 | 65 |
| 11/9/2016 15:31 | 66 | 12/9/2016 20:36 | 65 | 14/9/2016 21:41 |  |
| 11/9/2016 15:36 | 66 | 12/9/2016 20:41 | 66 | 14/9/2016 21:46 | 64 |
| 11/9/2016 15:41 | 66 | 12/9/2016 20:46 | 66 | 14/9/2016 21:51 | 65 |
| 11/9/2016 15:46 | 65 | 12/9/2016 20:51 | 65 | 14/9/2016 21:56 | 65 |
| 11/9/2016 15:51 | 65 | 12/9/2016 20:56 | 65 | 14/9/2016 22:01 | 65 |
| 11/9/2016 15:56 | 65 | 12/9/2016 21:01 | 65 | 14/9/2016 22:06 | 65 |
| 11/9/2016 16:01 | 65 | 12/9/2016 21:06 | 65 | 14/9/2016 22:11 | 65 |
| 11/9/2016 16:06 | 65 | 12/9/2016 21:11 | 65 | 14/9/2016 22:16 | 64 |
| 11/9/2016 16:11 | 66 | 12/9/2016 21:16 | 64 | 14/9/2016 22:21 | 64 |
| 11/9/2016 16:16 | 66 | 12/9/2016 21:21 | 66 | 14/9/2016 22:26 | 65 |
| 11/9/2016 16:21 | 66 | 12/9/2016 21:26 | 65 | 14/9/2016 22:31 | 65 |
| 11/9/2016 16:26 | 52 | 12/9/2016 21:31 | 65 | 14/9/2016 22:36 | 64 |
| 11/9/2016 16:31 | 66 | 12/9/2016 21:36 | 65 | 14/9/2016 22:41 | 64 |
| 11/9/2016 16:36 | 65 | 12/9/2016 21:41 | 65 | 14/9/2016 22:46 | 64 |
| 11/9/2016 16:41 | 65 | 12/9/2016 21:46 | 65 | 14/9/2016 22:51 | 65 |
| 11/9/2016 16:46 | 66 | 12/9/2016 21:51 | 65 | 14/9/2016 22:56 | 65 |
| 11/9/2016 16:51 | 65 | 12/9/2016 21:56 | 65 | 15/9/2016 19:01 | 65 |
| 11/9/2016 16:56 | 66 | 12/9/2016 22:01 | 65 | 15/9/2016 19:06 | 65 |
| 11/9/2016 17:01 | 66 | 12/9/2016 22:06 | 64 | 15/9/2016 19:11 | 65 |
| 11/9/2016 17:06 | 66 | 12/9/2016 22:11 | 65 | 15/9/2016 19:16 | 64 |
| 11/9/2016 17:11 | 66 | 12/9/2016 22:16 | 65 | 15/9/2016 19:21 | 65 |
| 11/9/2016 17:16 | 66 | 12/9/2016 22:21 | 65 | 15/9/2016 19:26 | 65 |
| 11/9/2016 17:21 | 66 | 12/9/2016 22:26 | 65 | 15/9/2016 19:31 | 65 |
| 11/9/2016 17:26 | 66 | 12/9/2016 22:31 | 65 | 15/9/2016 19:36 | 66 |
| 11/9/2016 17:31 | 66 | 12/9/2016 22:36 | 65 | 15/9/2016 19:41 |  |
| 11/9/2016 17:36 11/9/2016 17:41 | 66 66 | 12/9/2016 22:41 12/9/2016 22:46 |  | 15/9/2016 19:46 15/9/2016 19:51 |  |


| Real-time Noise | Data | RTN3 (Po Leung Kuk | Yu | Memorial Schood |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15/9/2016 19:56 | 65 | 16/9/2016 13:01 | 66 | 16/9/2016 22:06 |  |
| 15/9/2016 20:01 | 49 | 16/9/2016 13:06 | 66 | 16/9/2016 22:11 | 65 |
| 15/9/2016 20:06 | 65 | 16/9/2016 13:11 | 66 | 16/9/2016 22:16 | 64 |
| 15/9/2016 20:11 | 65 | 16/9/2016 13:16 | 66 | 16/9/2016 22:21 | 65 |
| 15/9/2016 20:16 | 65 | 16/9/2016 13:21 | 66 | 16/9/2016 22:26 | 65 |
| 15/9/2016 20:21 | 65 | 16/9/2016 13:26 | 66 | 16/9/2016 22:31 | 64 |
| 15/9/2016 20:26 | 64 | 16/9/2016 13:31 | 65 | 16/9/2016 22:3 | 65 |
| 15/9/2016 20:31 | 61 | 16/9/2016 13:36 | 65 | 16/9/2016 22:41 | 65 |
| 15/9/2016 20:36 | 64 | 16/9/2016 13:41 | 66 | 16/9/2016 22:46 | 64 |
| 15/9/2016 20:41 | 66 | 16/9/2016 13:46 | 66 | 16/9/2016 22:51 | 65 |
| 15/9/2016 20:46 | 64 | 16/9/2016 13:51 | 66 | 16/9/2016 22:56 | 65 |
| 15/9/2016 20:51 | 65 | 16/9/2016 13:56 | 65 | 17/9/2016 19:01 | 66 |
| 15/9/2016 20:56 | 64 | 16/9/2016 14:01 | 65 | 17/9/2016 19:06 | 54 |
| 15/9/2016 21:01 | 65 | 16/9/2016 14:06 | 65 | 17/9/2016 19:11 | 66 |
| 15/9/2016 21:06 | 64 | 16/9/2016 14:11 | 65 | 17/9/2016 19:16 | 65 |
| 15/9/2016 21:11 | 64 | 16/9/2016 14:16 | 65 | 17/9/2016 19:21 | 66 |
| 15/9/2016 21:16 | 65 | 16/9/2016 14:21 | 65 | 17/9/2016 19:26 | 65 |
| 15/9/2016 21:21 | 65 | 16/9/2016 14:26 | 65 | 17/9/2016 19:31 | 65 |
| 15/9/2016 21:26 | 65 | 16/9/2016 14:31 | 65 | 17/9/2016 19:36 | 65 |
| 15/9/2016 21:31 | 66 | 16/9/2016 14:36 | 65 | 17/9/2016 19:41 | 66 |
| 15/9/2016 21:36 | 64 | 16/9/2016 14:41 | 65 | 17/9/2016 19:46 | 65 |
| 15/9/2016 21:41 | 65 | 16/9/2016 14:46 | 65 | 17/9/2016 19:51 | 65 |
| 15/9/2016 21:46 | 65 | 16/9/2016 14:51 | 64 | 17/9/2016 19:56 | 65 |
| 15/9/2016 21:51 | 66 | 16/9/2016 14:56 | 65 | 17/9/2016 20:01 | 65 |
| 15/9/2016 21:56 | 65 | 16/9/2016 15:01 | 65 | 17/9/2016 20:06 | 64 |
| 15/9/2016 22:01 | 65 | 16/9/2016 15:06 | 65 | 17/9/2016 20:11 | 64 |
| 15/9/2016 22:06 | 65 | 16/9/2016 15:11 | 65 | 17/9/2016 20:16 | 64 |
| 15/9/2016 22:11 | 64 | 16/9/2016 15:16 | 65 | 17/9/2016 20:21 | 65 |
| 15/9/2016 22:16 | 65 | 16/9/2016 15:21 | 65 | 17/9/2016 20:26 | 65 |
| 15/9/2016 22:21 | 64 | 16/9/2016 15:26 | 65 | 17/9/2016 20:31 | 65 |
| 15/9/2016 22:26 | 65 | 16/9/2016 15:31 | 65 | 17/9/2016 20:36 | 65 |
| 15/9/2016 22:31 | 66 | 16/9/2016 15:36 | 65 | 17/9/2016 20:41 | 65 |
| 15/9/2016 22:36 | 65 | 16/9/2016 15:41 | 65 | 17/9/2016 20:46 | 65 |
| 15/9/2016 22:41 | 64 | 16/9/2016 15:46 | 65 | 17/9/2016 20:51 | 65 |
| 15/9/2016 22:46 | 65 | 16/9/2016 15:51 | 65 | 17/9/2016 20:56 | 65 |
| 15/9/2016 22:51 | 65 | 16/9/2016 15:56 | 65 | 17/9/2016 21:01 | 65 |
| 15/9/2016 22:56 | 64 | 16/9/2016 16:01 | 65 | 17/9/2016 21:06 | 64 |
| 16/9/2016 7:01 | 64 | 16/9/2016 16:06 | 65 | 17/9/2016 21:11 | 65 |
| 16/9/2016 7:06 | 66 | 16/9/2016 16:11 | 65 | 17/9/2016 21:16 | 65 |
| 16/9/2016 7:11 | 64 | 16/9/2016 16:16 | 64 | 17/9/2016 21:21 | 65 |
| 16/9/2016 7:16 | 63 | 16/9/2016 16:21 | 65 | 17/9/2016 21:26 | 65 |
| 16/9/2016 7:21 | 50 | 16/9/2016 16:26 | 65 | 17/9/2016 21:31 | 65 |
| 16/9/2016 7:26 | 64 | 16/9/2016 16:31 | 65 | 17/9/2016 21:36 | 64 |
| 16/9/2016 7:31 | 64 | 16/9/2016 16:36 | 65 | 17/9/2016 21:41 | 65 |
| 16/9/2016 7:36 | 64 | 16/9/2016 16:41 | 65 | 17/9/2016 21:46 | 65 |
| 16/9/2016 7:41 | 63 | 16/9/2016 16:46 | 65 | 17/9/2016 21:51 | 65 |
| 16/9/2016 7:46 | 64 | 16/9/2016 16:51 | 65 | 17/9/2016 21:56 | 64 |
| 16/9/2016 7:51 | 64 | 16/9/2016 16:56 | 65 | 17/9/2016 22:01 | 65 |
| 16/9/2016 7:56 | 64 | 16/9/2016 17:01 | 65 | 17/9/2016 22:06 | 65 |
| 16/9/2016 8:01 | 64 | 16/9/2016 17:06 | 65 | 17/9/2016 22:11 | 66 |
| 16/9/2016 8:06 | 64 | 16/9/2016 17:11 | 65 | 17/9/2016 22:16 | 65 |
| 16/9/2016 8:11 | 64 | 16/9/2016 17:16 | 65 | 17/9/2016 22:21 | 65 |
| 16/9/2016 8:16 | 65 | 16/9/2016 17:21 | 65 | 17/9/2016 22:26 | 64 |
| 16/9/2016 8:21 | 64 | 16/9/2016 17:26 | 65 | 17/9/2016 22:31 | 65 |
| 16/9/2016 8:26 | 64 | 16/9/2016 17:31 | 65 | 17/9/2016 22:36 | 66 |
| 16/9/2016 8:31 | 64 | 16/9/2016 17:36 | 65 | 17/9/2016 22:41 | 65 |
| 16/9/2016 8:36 | 64 | 16/9/2016 17:41 | 65 | 17/9/2016 22:46 | 66 |
| 16/9/2016 8:41 | 65 | 16/9/2016 17:46 | 65 | 17/9/2016 22:51 | 65 |
| 16/9/2016 8:46 | 65 | 16/9/2016 17:51 | 65 | 17/9/2016 22:56 | 65 |
| 16/9/2016 8:51 | 64 | 16/9/2016 17:56 | 65 | 18/9/2016 7:01 | 63 |
| 16/9/2016 8:56 | 65 | 16/9/2016 18:01 | 65 | 18/9/2016 7:06 | 65 |
| 16/9/2016 9:01 | 64 | 16/9/2016 18:06 | 65 | 18/9/2016 7:11 | 63 |
| 16/9/2016 9:06 | 64 | 16/9/2016 18:11 | 65 | 18/9/2016 7:16 | 63 |
| 16/9/2016 9:11 | 65 | 16/9/2016 18:16 | 66 | 18/9/2016 7:21 | 62 |
| 16/9/2016 9:16 | 65 | 16/9/2016 18:21 | 66 | 18/9/2016 7:26 | 63 |
| 16/9/2016 9:21 | 65 | 16/9/2016 18:26 | 66 | 18/9/2016 7:31 | 64 |
| 16/9/2016 9:26 | 65 | 16/9/2016 18:31 | 65 | 18/9/2016 7:36 | 64 |
| 16/9/2016 9:31 | 65 | 16/9/2016 18:36 | 65 | 18/9/2016 7:41 | 64 |
| 16/9/2016 9:36 | 65 | 16/9/2016 18:41 | 65 | 18/9/2016 7:46 | 64 |
| 16/9/2016 9:41 | 65 | 16/9/2016 18:46 | 65 | 18/9/2016 7:51 | 64 |
| 16/9/2016 9:46 | 65 | 16/9/2016 18:51 | 66 | 18/9/2016 7:56 | 64 |
| 16/9/2016 9:51 | 65 | 16/9/2016 18:56 | 65 | 18/9/2016 8:01 | 64 |
| 16/9/2016 9:56 | 65 | 16/9/2016 19:01 | 65 | 18/9/2016 8:06 | 64 |
| 16/9/2016 10:01 | 65 | 16/9/2016 19:06 | 66 | 18/9/2016 8:11 | 65 |
| 16/9/2016 10:06 | 65 | 16/9/2016 19:11 | 66 | 18/9/2016 8:16 | 66 |
| 16/9/2016 10:11 | 65 | 16/9/2016 19:16 | 66 | 18/9/2016 8:21 | 65 |
| 16/9/2016 10:16 | 66 | 16/9/2016 19:21 | 65 | 18/9/2016 8:26 | 65 |
| 16/9/2016 10:21 | 65 | 16/9/2016 19:26 | 65 | 18/9/2016 8:31 | 64 |
| 16/9/2016 10:26 | 66 | 16/9/2016 19:31 | 65 | 18/9/2016 8:36 | 65 |
| 16/9/2016 10:31 | 65 | 16/9/2016 19:36 | 65 | 18/9/2016 8:41 | 65 |
| 16/9/2016 10:36 | 66 | 16/9/2016 19:41 | 65 | 18/9/2016 8:46 | 65 |
| 16/9/2016 10:41 | 66 | 16/9/2016 19:46 | 65 | 18/9/2016 8:51 | 65 |
| 16/9/2016 10:46 | 65 | 16/9/2016 19:51 | 65 | 18/9/2016 8:56 | 65 |
| 16/9/2016 10:51 | 65 | 16/9/2016 19:56 | 64 | 18/9/2016 9:01 | 65 |
| 16/9/2016 10:56 | 65 | 16/9/2016 20:01 | 65 | 18/9/2016 9:06 | 65 |
| 16/9/2016 11:01 | 66 | 16/9/2016 20:06 | 64 | 18/9/2016 9:11 | 66 |
| 16/9/2016 11:06 | 65 | 16/9/2016 20:11 | 64 | 18/9/2016 9:16 | 66 |
| 16/9/2016 11:11 | 65 | 16/9/2016 20:16 | 64 | 18/9/2016 9:21 | 65 |
| 16/9/2016 11:16 | 65 | 16/9/2016 20:21 | 64 | 18/9/2016 9:26 | 65 |
| 16/9/2016 11:21 | 65 | 16/9/2016 20:26 | 64 | 18/9/2016 9:31 | 65 |
| 16/9/2016 11:26 | 65 | 16/9/2016 20:31 | 64 | 18/9/2016 9:36 | 66 |
| 16/9/2016 11:31 | 65 | 16/9/2016 20:36 | 64 | 18/9/2016 9:41 | 65 |
| 16/9/2016 11:36 | 65 | 16/9/2016 20:41 | 64 | 18/9/2016 9:46 | 65 |
| 16/9/2016 11:41 | 65 | 16/9/2016 20:46 | 65 | 18/9/2016 9:51 | 66 |
| 16/9/2016 11:46 | 66 | 16/9/2016 20:51 | 64 | 18/9/2016 9:56 | 65 |
| 16/9/2016 11:51 | 66 | 16/9/2016 20:56 | 64 | 18/9/2016 10:01 | 65 |
| 16/9/2016 11:56 | 65 | 16/9/2016 21:01 | 64 | 18/9/2016 10:06 | 65 |
| 16/9/2016 12:01 | 66 | 16/9/2016 21:06 | 64 | 18/9/2016 10:11 | 65 |
| 16/9/2016 12:06 | 65 | 16/9/2016 21:11 | 64 | 18/9/2016 10:16 | 65 |
| 16/9/2016 12:11 | 65 | 16/9/2016 21:16 | 66 | 18/9/2016 10:21 | 65 |
| 16/9/2016 12:16 | 66 | 16/9/2016 21:21 | 64 | 18/9/2016 10:26 | 64 |
| 16/9/2016 12:21 | 65 | 16/9/2016 21:26 | 65 | 18/9/2016 10:31 | 65 |
| 16/9/2016 12:26 | 66 | 16/9/2016 21:31 | 65 | 18/9/2016 10:36 | 65 |
| 16/9/2016 12:31 | 65 | 16/9/2016 21:36 | 64 | 18/9/2016 10:41 |  |
| 16/9/2016 12:36 | 66 | 16/9/2016 21:41 | 65 | 18/9/2016 10:46 | 66 |
| 16/9/2016 12:41 | 65 | 16/9/2016 21:46 | 65 | 18/9/2016 10:51 | 65 |
| 16/9/2016 12:46 | 66 | 16/9/2016 21:51 | 64 | 18/9/2016 10:56 | 65 |
| $\begin{aligned} & \text { 16/9/2016 12:51 } \\ & 16 / 9 / 2016 ~ 12: 56 \end{aligned}$ | $\begin{aligned} & 66 \\ & 56 \end{aligned}$ | 16/9/2016 21:56 | $\begin{aligned} & 65 \\ & 64 \end{aligned}$ | 18/9/2016 11:01 18/9/2016 11:06 |  |


| Real-time Noise Data |  | RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25/9/2016 7:31 | 65 | 25/9/2016 16:36 |  |
| 22/9/2016 22:31 | 65 | 25/9/2016 7:36 | 64 | 25/9/2016 16:41 | 65 |
| 22/9/2016 22:36 | 64 | 25/9/2016 7:41 | 64 | 25/9/2016 16:46 | 65 |
| 22/9/2016 22:41 | 65 | 25/9/2016 7:46 | 64 | 25/9/2016 16:51 | 65 |
| 22/9/2016 22:46 | 65 | 25/9/2016 7:51 | 63 | 25/9/2016 16:56 | 65 |
| 22/9/2016 22:51 | 65 | 25/9/2016 7:56 | 64 | 25/9/2016 17:01 | 65 |
| 22/9/2016 22:56 | 65 | 25/9/2016 8:01 | 64 | 25/9/2016 17:06 | 65 |
| 23/9/2016 19:01 | 64 | 25/9/2016 8:06 | 64 | 25/9/2016 17:11 | 65 |
| 23/9/2016 19:06 | 64 | 25/9/2016 8:11 | 65 | 25/9/2016 17:16 | 65 |
| 23/9/2016 19:11 | 65 | 25/9/2016 8:16 | 65 | 25/9/2016 17:21 | 65 |
| 23/9/2016 19:16 | 65 | 25/9/2016 8:21 | 65 | 25/9/2016 17:26 | 65 |
| 23/9/2016 19:21 | 66 | 25/9/2016 8:26 | 64 | 25/9/2016 17:31 | 65 |
| 23/9/2016 19:26 | 65 | 25/9/2016 8:31 | 65 | 25/9/2016 17:36 | 65 |
| 23/9/2016 19:31 | 65 | 25/9/2016 8:36 | 65 | 25/9/2016 17:41 | 65 |
| 23/9/2016 19:36 | 66 | 25/9/2016 8:41 | 65 | 25/9/2016 17:46 | 65 |
| 23/9/2016 19:41 | 66 | 25/9/2016 8:46 | 64 | 25/9/2016 17:51 | 65 |
| 23/9/2016 19:46 | 65 | 25/9/2016 8:51 | 65 | 25/9/2016 17:56 | 65 |
| 23/9/2016 19:51 | 66 | 25/9/2016 8:56 | 65 | 25/9/2016 18:01 | 65 |
| 23/9/2016 19:56 | 65 | 25/9/2016 9:01 | 65 | 25/9/2016 18:06 | 66 |
| 23/9/2016 20:01 | 65 | 25/9/2016 9:06 | 65 | 25/9/2016 18:11 | 65 |
| 23/9/2016 20:06 | 65 | 25/9/2016 9:11 | 65 | 25/9/2016 18:16 | 65 |
| 23/9/2016 20:11 | 65 | 25/9/2016 9:16 | 65 | 25/9/2016 18:21 | 66 |
| 23/9/2016 20:16 | 65 | 25/9/2016 9:21 | 65 | 25/9/2016 18:26 | 65 |
| 23/9/2016 20:21 | 65 | 25/9/2016 9:26 | 65 | 25/9/2016 18:31 | 65 |
| 23/9/2016 20:26 | 65 | 25/9/2016 9:31 | 65 | 25/9/2016 18:36 | 65 |
| 23/9/2016 20:31 | 58 | 25/9/2016 9:36 | 65 | 25/9/2016 18:41 | 65 |
| 23/9/2016 20:36 | 65 | 25/9/2016 9:41 | 60 | 25/9/2016 18:46 | 65 |
| 23/9/2016 20:41 | 65 | 25/9/2016 9:46 | 66 | 25/9/2016 18:51 | 65 |
| 23/9/2016 20:46 | 65 | 25/9/2016 9:51 | 66 | 25/9/2016 18:56 | 65 |
| 23/9/2016 20:51 | 65 | 25/9/2016 9:56 | 66 | 25/9/2016 19:01 | 65 |
| 23/9/2016 20:56 | 65 | 25/9/2016 10:01 | 66 | 25/9/2016 19:06 | 65 |
| 23/9/2016 21:01 | 64 | 25/9/2016 10:06 | 65 | 25/9/2016 19:11 | 65 |
| 23/9/2016 21:06 | 64 | 25/9/2016 10:11 | 65 | 25/9/2016 19:16 | 65 |
| 23/9/2016 21:11 | 65 | 25/9/2016 10:16 | 66 | 25/9/2016 19:21 | 65 |
| 23/9/2016 21:16 | 64 | 25/9/2016 10:21 | 66 | 25/9/2016 19:26 | 64 |
| 23/9/2016 21:21 | 65 | 25/9/2016 10:26 | 66 | 25/9/2016 19:31 |  |
| 23/9/2016 21:26 | 65 | 25/9/2016 10:31 | 66 | 25/9/2016 19:36 | 64 |
| 23/9/2016 21:31 | 66 | 25/9/2016 10:36 | 66 | 25/9/2016 19:41 | 65 |
| 23/9/2016 21:36 | 65 | 25/9/2016 10:41 | 56 | 25/9/2016 19:46 | 65 |
| 23/9/2016 21:41 | 64 | 25/9/2016 10:46 | 66 | 25/9/2016 19:51 | 65 |
| 23/9/2016 21:46 | 64 | 25/9/2016 10:51 | 66 | 25/9/2016 19:56 | 64 |
| 23/9/2016 21:51 | 65 | 25/9/2016 10:56 | 66 | 25/9/2016 20:01 | 64 |
| 23/9/2016 21:56 | 65 | 25/9/2016 11:01 | 66 | 25/9/2016 20:06 | 65 |
| 23/9/2016 22:01 | 65 | 25/9/2016 11:06 | 66 | 25/9/2016 20:11 | 64 |
| 23/9/2016 22:06 | 65 | 25/9/2016 11:11 | 66 | 25/9/2016 20:16 | 65 |
| 23/9/2016 22:11 | 65 | 25/9/2016 11:16 | 66 | 25/9/2016 20:21 | 65 |
| 23/9/2016 22:16 | 64 | 25/9/2016 11:21 | 65 | 25/9/2016 20:26 | 64 |
| 23/9/2016 22:21 | 64 | 25/9/2016 11:26 | 65 | 25/9/2016 20:31 | 65 |
| 23/9/2016 22:26 | 65 | 25/9/2016 11:31 | 66 | 25/9/2016 20:36 |  |
| 23/9/2016 22:31 | 65 | 25/9/2016 11:36 | 65 | 25/9/2016 20:41 |  |
| 23/9/2016 22:36 | 65 | 25/9/2016 11:41 | 65 | 25/9/2016 20:46 | 64 |
| 23/9/2016 22:41 | 65 | 25/9/2016 11:46 | 65 | 25/9/2016 20:51 | 64 |
| 23/9/2016 22:46 | 65 | 25/9/2016 11:51 | 65 | 25/9/2016 20:56 | 64 |
| 23/9/2016 22:51 | 64 | 25/9/2016 11:56 | 65 | 25/9/2016 21:01 |  |
| 23/9/2016 22:56 | 65 | 25/9/2016 12:01 | 66 | 25/9/2016 21:06 | 65 |
| 24/9/2016 19:01 | 65 | 25/9/2016 12:06 | 65 | 25/9/2016 21:11 | 64 |
| 24/9/2016 19:06 | 65 | 25/9/2016 12:11 | 65 | 25/9/2016 21:16 | 65 |
| 24/9/2016 19:11 | 65 | 25/9/2016 12:16 | 66 | 25/9/2016 21:21 | 64 |
| 24/9/2016 19:16 | 65 | 25/9/2016 12:21 | 66 | 25/9/2016 21:26 | 65 |
| 24/9/2016 19:21 | 65 | 25/9/2016 12:26 | 66 | 25/9/2016 21:31 | 64 |
| 24/9/2016 19:26 | 65 | 25/9/2016 12:31 | 66 | 25/9/2016 21:36 | 66 |
| 24/9/2016 19:31 | 65 | 25/9/2016 12:36 | 66 | 25/9/2016 21:41 | 64 |
| 24/9/2016 19:36 | 65 | 25/9/2016 12:41 | 65 | 25/9/2016 21:46 |  |
| 24/9/2016 19:41 | 65 | 25/9/2016 12:46 | 66 | 25/9/2016 21:51 | 64 |
| 24/9/2016 19:46 | 65 | 25/9/2016 12:51 | 65 | 25/9/2016 21:56 | 64 |
| 24/9/2016 19:51 | 65 | 25/9/2016 12:56 | 65 | 25/9/2016 22:01 | 64 |
| 24/9/2016 19:56 | 66 | 25/9/2016 13:01 | 65 | 25/9/2016 22:06 | 64 |
| 24/9/2016 20:01 | 64 | 25/9/2016 13:06 | 65 | 25/9/2016 22:11 | 64 |
| 24/9/2016 20:06 | 65 | 25/9/2016 13:11 | 65 | 25/9/2016 22:16 | 64 |
| 24/9/2016 20:11 | 64 | 25/9/2016 13:16 | 65 | 25/9/2016 22:21 | 65 |
| 24/9/2016 20:16 | 64 | 25/9/2016 13:21 | 65 | 25/9/2016 22:26 |  |
| 24/9/2016 20:21 | 65 | 25/9/2016 13:26 | 65 | 25/9/2016 22:31 |  |
| 24/9/2016 20:26 | 65 | 25/9/2016 13:31 | 65 | 25/9/2016 22:36 | 64 |
| 24/9/2016 20:31 | 64 | 25/9/2016 13:36 | 65 | 25/9/2016 22:41 | 64 |
| 24/9/2016 20:36 | 64 | 25/9/2016 13:41 | 66 | 25/9/2016 22:46 | 65 |
| 24/9/2016 20:41 | 64 | 25/9/2016 13:46 | 65 | 25/9/2016 22:51 | 64 |
| 24/9/2016 20:46 | 58 | 25/9/2016 13:51 | 65 | 25/9/2016 22:56 | 64 |
| 24/9/2016 20:51 | 64 | 25/9/2016 13:56 | 65 | 26/9/2016 19:01 | 64 |
| 24/9/2016 20:56 | 65 | 25/9/2016 14:01 | 65 | 26/9/2016 19:06 | 65 |
| 24/9/2016 21:01 | 64 | 25/9/2016 14:06 | 65 | 26/9/2016 19:11 | 64 |
| 24/9/2016 21:06 | 64 | 25/9/2016 14:11 | 65 | 26/9/2016 19:16 | 60 |
| 24/9/2016 21:11 | 65 | 25/9/2016 14:16 | 65 | 26/9/2016 19:21 | 64 |
| 24/9/2016 21:16 | 65 | 25/9/2016 14:21 | 65 | 26/9/2016 19:26 | 64 |
| 24/9/2016 21:21 | 64 | 25/9/2016 14:26 | 65 | 26/9/2016 19:31 | 64 |
| 24/9/2016 21:26 | 65 | 25/9/2016 14:31 | 65 | 26/9/2016 19:36 | 65 |
| 24/9/2016 21:31 | 64 | 25/9/2016 14:36 | 65 | 26/9/2016 19:41 | 65 |
| 24/9/2016 21:36 | 64 | 25/9/2016 14:41 | 65 | 26/9/2016 19:46 | 65 |
| 24/9/2016 21:41 | 64 | 25/9/2016 14:46 | 65 | 26/9/2016 19:51 | 65 |
| 24/9/2016 21:46 | 64 | 25/9/2016 14:51 | 65 | 26/9/2016 19:56 | 66 |
| 24/9/2016 21:51 | 64 | 25/9/2016 14:56 | 65 | 26/9/2016 20:01 | 64 |
| 24/9/2016 21:56 | 65 | 25/9/2016 15:01 | 65 | 26/9/2016 20:06 |  |
| 24/9/2016 22:01 | 64 | 25/9/2016 15:06 | 65 | 26/9/2016 20:11 | 65 |
| 24/9/2016 22:06 | 64 | 25/9/2016 15:11 | 64 | 26/9/2016 20:16 | 64 |
| 24/9/2016 22:11 | 65 | 25/9/2016 15:16 | 65 | 26/9/2016 20:21 | 65 |
| 24/9/2016 22:16 | 43 | 25/9/2016 15:21 | 65 | 26/9/2016 20:26 |  |
| 24/9/2016 22:21 | 65 | 25/9/2016 15:26 | 65 | 26/9/2016 20:31 | 65 |
| 24/9/2016 22:26 | 65 | 25/9/2016 15:31 | 64 | 26/9/2016 20:36 | 64 |
| 24/9/2016 22:31 | 65 | 25/9/2016 15:36 | 65 | 26/9/2016 20:41 | 65 |
| 24/9/2016 22:36 | 64 | 25/9/2016 15:41 | 64 | 26/9/2016 20:46 | 64 |
| 24/9/2016 22:41 | 65 | 25/9/2016 15:46 | 66 | 26/9/2016 20:51 |  |
| 24/9/2016 22:46 | 64 | 25/9/2016 15:51 | 64 | 26/9/2016 20:56 | 64 |
| 24/9/2016 22:51 | 64 | 25/9/2016 15:56 | 65 | 26/9/2016 21:01 |  |
| 24/9/2016 22:56 | 65 | 25/9/2016 16:01 | 65 | 26/9/2016 21:06 |  |
| 25/9/2016 7:01 | 63 | 25/9/2016 16:06 | 65 | 26/9/2016 21:11 |  |
| 25/9/2016 7:06 | 63 | 25/9/2016 16:11 | 65 | 26/9/2016 21:16 |  |
| 25/9/2016 7:11 | 64 | 25/9/2016 16:16 | 66 | 26/9/2016 21:21 |  |
| 25/9/2016 7:16 | 65 | 25/9/2016 16:21 | 65 | 26/9/2016 21:26 |  |
| 25/9/2016 7:21 | 65 63 | 25/9/2016 16:26 |  | 26/9/2016 21:31 26/9/2016 21:36 |  |

## 26/9/2016 21:41 64 26/9/2016 21:46 64 26/9/2016 21:51 65 26/9/2016 21:56 65 26/9/2016 22:01 64 26/9/2016 22:06 64 26/9/2016 22:11 63 26/9/2016 22:16 64 26/9/2016 22:21 63 26/9/2016 22:26 64 26/9/2016 22:31 64 26/9/2016 22:36 64 26/9/2016 22:41 64 26/9/2016 22:46 64 26/9/2016 22:51 63

 Night time: 23:00-07:00 27/8/2016 0:01 27/8/2016 0:06 27/8/2016 0:11 27/8/2016 0:16 27/8/2016 0:21 27/8/2016 0:26 27/8/2016 0:31 27/8/2016 0:36 27/8/2016 0:41 27/8/2016 0:46 27/8/2016 0:51 27/8/2016 0:56 27/8/2016 1:01 27/8/2016 1.06 27/8/2016 1:06 27/8/2016 1:11 27/8/2016 1:16 27/8/2016 1:21 27/8/2016 1:26 27/8/2016 1:31 27/8/2016 1:36 27/8/2016 1:41 27/8/2016 1:46 27/8/2016 1:51 27/8/2016 1:56 27/8/2016 2:01 27/8/2016 2:06 27/8/2016 2:11 27/8/2016 2:16 27/8/2016 2:21 27/8/2016 2:26 27/8/2016 2:31 27/8/2016 2:36 27/8/2016 2:41 27/8/2016 2.46 27/8/2016 2:46 27/8/2016 2:51 27/8/2016 2:5627/8/2016 3:01 27/8/2016 3:01 27/8/2016 3:06 27/8/2016 3:16 27/8/2016 3:16 27/8/2016 3:21
27/8/2016 3:26 27/8/2016 3:26 27/8/2016 3:31 27/8/2016 3:36 27/8/2016 3:41 27/8/2016 3:46 27/8/2016 3:51 27/8/2016 3:56 27/8/2016 4:01 27/8/2016 4:06 27/8/2016 4:11 27/8/2016 4:16 27/8/2016 4:21 27/8/2016 4:26 27/8/2016 4:31 27/8/2016 4:31 27/8/2016 4:36 27/8/2016 4:41 27/8/2016 4:46 27/8/2016 4:51 27/8/2016 4:56 27/8/2016 5:01 27/8/2016 5:06

> 27/8/2016 5:11 27/8/2016 5:16 27/8/2016 5:16 5 5:21 27/8/2016 5:26 27/8/2016 5:31 27/8/2016 5:36 27/8/2016 5:41 27/8/2016 5:46 27/8/2016 5:51 27/8/2016 5:56 27/8/2016 6:01 27/8/2016 6:06 27/8/2016 6:11 27/8/2016 6:11 27/8/2016 6:16 27/8/2016 6:21 27/8/2016 6:26 27/8/2016 6:31
27/8/2016 6:36 27/8/2016 6:41 27/8/2016 6:41 27/8/2016 6:46 27/8/2016 6:51 27/8/2016 6:56 27/8/2016 23:01 59 27/8/2016 23:06 58 27/8/2016 23:11 56 27/8/2016 23:16 57
27/8/2016 23:21 56 27/8/2016 23:26 5
 27/8/2016 23:36 5 $\begin{array}{ll}27 / 8 / 2016 & 23: 41 \\ 52 \\ 27 / 8 / 2016 & 23: 46 \\ 54\end{array}$ 27/8/2016 23:46 5 27/8/2016 23:51 58 27/8/2016 23:56 28/8/2016 0:01 28/8/2016 0:06 28/8/2016 0:11 28/8/2016 0:16 28/8/2016 0:21 28/8/2016 0:26 28/8/2016 0:26
28/8/2016 0:31 28/8/2016 0:31 $28 / 8 / 2016$
0:36
28/8/2016 0:41 28/8/2016 0:41
28/8/2016 0:46 28/8/2016 0:46 28/8/2016 0:51 28/8/2016 1:01 28/8/2016 1:06 28/8/2016 1:11 28/8/2016 1:16 28/8/2016 1:21 28/8/2016 1:26 28/8/2016 1:31 28/8/2016 1:36 28/8/2016 1:41 $28 / 8 / 20161: 46$
$28 / 8 / 20161: 51$ 28/8/2016 1:56 28/8/2016 2:01 28/8/2016 2:06 28/8/2016 2:11 28/8/2016 2:16 28/8/2016 2:21 28/8/2016 2:26 28/8/2016 2:31 28/8/2016 2:41 28/8/2016 2:46 $28 / 8 / 20162: 51$
$28 / 8 / 20162: 56$ 28/8/2016 2:56
28/8/2016 $3: 01$ 28/8/2016 3:01 $28 / 8 / 20163: 06$
$28 / 8 / 20163: 11$ $28 / 8 / 20163: 11$
$28 / 8 / 20163: 16$ $28 / 8 / 20163: 16$
$28 / 8 / 20163: 21$ 28/8/2016 3:21 28/8/2016 3:26 28/8/2016 3:36 28/8/2016 3:41 28/8/2016 3:46 28/8/2016 3:51 28/8/2016 3:56
28/8/2016 4:01 28/8/2016 4:01 28/8/2016 4:06
28/8/2016 4:11 28/8/2016 4:11 28/8/2016 4:21 28/8/2016 4:26 $28 / 8 / 20164: 31$
$28 / 8 / 20164: 36$ 28/8/2016 4:36 28/8/2016 4:41 $28 / 8 / 20164: 46$
$28 / 8 / 20164: 51$ 28/8/2016 4:51
28/8/2016 4:56 28/8/2016 4:56
28/8/2016 5:01 28/8/2016 5:06 28/8/2016 5:11 28/8/2016 5:16 28/8/2016 5:21 28/8/2016 5:31 28/8/2016 5:36 28/8/2016 5:36
28/8/2016 5:41 28/8/2016 5:41 28/8/2016 5:46 28/8/2016 5:56 6 28/8/2016 6:01 28/8/2016 6:06 28/8/2016 6:11 28/8/2016 6:16 $28 / 8 / 2016$ 6:21

$28 / 8 / 20166: 26$ 28/8/2016 6:26 28/8/2016 6:36 28/8/2016 6:41 28/8/2016 6:46 28/8/2016 6:51 28/8/2016 6:56 28/8/2016 23:06 28/8/2016 23:11 28/8/2016 23:16 58 28/8/2016 23:21 57 28/8/2016 23:26 55 28/8/2016 23:31 28/8/2016 23:36 53 28/8/2016 23:46 28/8/2016 23:51 28/8/2016 23:56 29/8/2016 0:01 29/8/2016 0:06 63 | $29 / 8 / 2016$ | $0: 11$ |
| :--- | :--- |
| $29 / 8 / 2016$ | 03 |
| 16 | 62 | $\begin{array}{ll}29 / 8 / 2016 & 0: 16 \\ 29 / 8 / 2016 & 0: 21\end{array}$ 29/8/2016 0:26 62 29/8/2016 0:31 62




| Real-time Noise | Data | RTN3 (Po Leung Ku | Yu | Memorial Schoo |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6/9/2016 0:11 | 65 | 7/9/2016 1:16 | 59 | 8/9/2016 2:21 | 61 | 9/9/2016 3:26 | 60 | 10/9/2016 4:31 | 60 | 11/9/2016 5:36 | 59 |
| 6/9/2016 0:16 | 64 | 7/9/2016 1:21 | 58 | 8/9/2016 2:26 | 60 | 9/9/2016 3:31 | 59 | 10/9/2016 4:36 | 61 | 11/9/2016 5:41 | 61 |
| 6/9/2016 0:21 | 63 | 7/9/2016 1:26 | 59 | 8/9/2016 2:31 | 61 | 9/9/2016 3:36 | 59 | 10/9/2016 4:41 | 61 | 11/9/2016 5:46 | 63 |
| 6/9/2016 0:26 | 68 | 7/9/2016 1:31 | 59 | 8/9/2016 2:36 | 60 | 9/9/2016 3:41 | 59 | 10/9/2016 4:46 | 61 | 11/9/2016 5:51 | 61 |
| 6/9/2016 0:31 | 63 | 7/9/2016 1:36 | 59 | 8/9/2016 2:41 | 60 | 9/9/2016 3:46 | 59 | 10/9/2016 4:51 | 60 | 11/9/2016 5:56 | 64 |
| 6/9/2016 0:36 | 64 | 7/9/2016 1:41 | 57 | 8/9/2016 2:46 | 59 | 9/9/2016 3:51 | 58 | 10/9/2016 4:56 | 61 | 11/9/2016 6:01 | 64 |
| 6/9/2016 0:41 | 62 | 7/9/2016 1:46 | 58 | 8/9/2016 2:51 | 60 | 9/9/2016 3:56 | 61 | 10/9/2016 5:01 | 60 | 11/9/2016 6:06 | 64 |
| 6/9/2016 0:46 | 60 | 7/9/2016 1:51 | 60 | 8/9/2016 2:56 | 60 | 9/9/2016 4:01 | 59 | 10/9/2016 5:06 | 61 | 11/9/2016 6:11 | 65 |
| 6/9/2016 0:51 | 62 | 7/9/2016 1:56 | 59 | 8/9/2016 3:01 | 59 | 9/9/2016 4:06 | 59 | 10/9/2016 5:11 | 60 | 11/9/2016 6:16 | 65 |
| 6/9/2016 0:56 | 60 | 7/9/2016 2:01 | 61 | 8/9/2016 3:06 | 59 | 9/9/2016 4:11 | 59 | 10/9/2016 5:16 | 61 | 11/9/2016 6:21 | 64 |
| 6/9/2016 1:01 | 61 | 7/9/2016 2:06 | 60 | 8/9/2016 3:11 | 60 | 9/9/2016 4:16 | 59 | 10/9/2016 5:21 | 61 | 11/9/2016 6:26 | 62 |
| 6/9/2016 1:06 | 61 | 7/9/2016 2:11 | 60 | 8/9/2016 3:16 | 59 | 9/9/2016 4:21 | 60 | 10/9/2016 5:26 | 62 | 11/9/2016 6:31 | 62 |
| 6/9/2016 1:11 | 60 | 7/9/2016 2:16 | 60 | 8/9/2016 3:21 | 61 | 9/9/2016 4:26 | 59 | 10/9/2016 5:31 | 62 | 11/9/2016 6:36 | 62 |
| 6/9/2016 1:16 | 58 | 7/9/2016 2:21 | 60 | 8/9/2016 3:26 | 60 | 9/9/2016 4:31 | 58 | 10/9/2016 5:36 | 61 | 11/9/2016 6:41 | 59 |
| 6/9/2016 1:21 | 54 | 7/9/2016 2:26 | 59 | 8/9/2016 3:31 | 59 | 9/9/2016 4:36 | 59 | 10/9/2016 5:41 | 62 | 11/9/2016 6:46 | 58 |
| 6/9/2016 1:26 | 60 | 7/9/2016 2:31 | 59 | 8/9/2016 3:36 | 58 | 9/9/2016 4:41 | 58 | 10/9/2016 5:46 | 62 | 11/9/2016 6:51 | 63 |
| 6/9/2016 1:31 | 57 | 7/9/2016 2:36 | 59 | 8/9/2016 3:41 | 59 | 9/9/2016 4:46 | 60 | 10/9/2016 5:51 | 62 | 11/9/2016 6:56 | 62 |
| 6/9/2016 1:36 | 57 | 7/9/2016 2:41 | 59 | 8/9/2016 3:46 | 60 | 9/9/2016 4:51 | 59 | 10/9/2016 5:56 | 62 | 11/9/2016 23:01 | 58 |
| 6/9/2016 1:41 | 60 | 7/9/2016 2:46 | 58 | 8/9/2016 3:51 | 58 | 9/9/2016 4:56 | 60 | 10/9/2016 6:01 | 62 | 11/9/2016 23:06 | 60 |
| 6/9/2016 1:46 | 63 | 7/9/2016 2:51 | 59 | 8/9/2016 3:56 | 59 | 9/9/2016 5:01 | 59 | 10/9/2016 6:06 | 63 | 11/9/2016 23:11 | 59 |
| 6/9/2016 1:51 | 48 | 7/9/2016 2:56 | 59 | 8/9/2016 4:01 | 58 | 9/9/2016 5:06 | 59 | 10/9/2016 6:11 | 62 | 11/9/2016 23:16 | 60 |
| 6/9/2016 1:56 | 52 | 7/9/2016 3:01 | 59 | 8/9/2016 4:06 | 59 | 9/9/2016 5:11 | 58 | 10/9/2016 6:16 | 56 | 11/9/2016 23:21 | 60 |
| 6/9/2016 2:01 | 62 | 7/9/2016 3:06 | 58 | 8/9/2016 4:11 | 59 | 9/9/2016 5:16 | 60 | 10/9/2016 6:21 | 55 | 11/9/2016 23:26 | 60 |
| 6/9/2016 2:06 | 63 | 7/9/2016 3:11 | 58 | 8/9/2016 4:16 | 58 | 9/9/2016 5:21 | 60 | 10/9/2016 6:26 | 44 | 11/9/2016 23:31 | 58 |
| 6/9/2016 2:11 | 63 | 7/9/2016 3:16 | 59 | 8/9/2016 4:21 | 60 | 9/9/2016 5:26 | 61 | 10/9/2016 6:31 | 55 | 11/9/2016 23:36 | 5 |
| 6/9/2016 2:16 | 63 | 7/9/2016 3:21 | 59 | 8/9/2016 4:26 | 60 | 9/9/2016 5:31 | 61 | 10/9/2016 6:36 | 56 | 11/9/2016 23:41 | 59 |
| 6/9/2016 2:21 | 62 | 7/9/2016 3:26 | 59 | 8/9/2016 4:31 | 59 | 9/9/2016 5:36 | 60 | 10/9/2016 6:41 | 59 | 11/9/2016 23:46 | 57 |
| 6/9/2016 2:26 | 55 | 7/9/2016 3:31 | 57 | 8/9/2016 4:36 | 60 | 9/9/2016 5:41 | 61 | 10/9/2016 6:46 | 59 | 11/9/2016 23:51 | 55 |
| 6/9/2016 2:31 | 55 | 7/9/2016 3:36 | 58 | 8/9/2016 4:41 | 59 | 9/9/2016 5:46 | 61 | 10/9/2016 6:51 | 59 | 11/9/2016 23:56 | 52 |
| 6/9/2016 2:36 | 62 | 7/9/2016 3:41 | 58 | 8/9/2016 4:46 | 60 | 9/9/2016 5:51 | 60 | 10/9/2016 6:56 | 60 | 12/9/2016 0:01 | 63 |
| 6/9/2016 2:41 | 61 | 7/9/2016 3:46 | 58 | 8/9/2016 4:51 | 59 | 9/9/2016 5:56 | 61 | 10/9/2016 23:01 | 68 | 12/9/2016 0:06 | 57 |
| 6/9/2016 2:46 | 62 | 7/9/2016 3:51 | 58 | 8/9/2016 4:56 | 58 | 9/9/2016 6:01 | 62 | 10/9/2016 23:06 | 67 | 12/9/2016 0:11 | 53 |
| 6/9/2016 2:51 | 46 | 7/9/2016 3:56 | 59 | 8/9/2016 5:01 | 58 | 9/9/2016 6:06 | 61 | 10/9/2016 23:11 | 67 | 12/9/2016 0:16 | 63 |
| 6/9/2016 2:56 | 61 | 7/9/2016 4:01 | 58 | 8/9/2016 5:06 | 59 | 9/9/2016 6:11 | 62 | 10/9/2016 23:16 | 69 | 12/9/2016 0:21 | 43 |
| 6/9/2016 3:01 | 59 | 7/9/2016 4:06 | 58 | 8/9/2016 5:11 | 59 | 9/9/2016 6:16 | 63 | 10/9/2016 23:21 | 67 | 12/9/2016 0:26 | 62 |
| 6/9/2016 3:06 | 61 | 7/9/2016 4:11 | 58 | 8/9/2016 5:16 | 59 | 9/9/2016 6:21 | 53 | 10/9/2016 23:26 | 66 | 12/9/2016 0:31 | 63 |
| 6/9/2016 3:11 | 62 | 7/9/2016 4:16 | 58 | 8/9/2016 5:21 | 60 | 9/9/2016 6:26 | 53 | 10/9/2016 23:31 | 66 | 12/9/2016 0:36 | 62 |
| 6/9/2016 3:16 | 61 | 7/9/2016 4:21 | 59 | 8/9/2016 5:26 | 60 | 9/9/2016 6:31 | 48 | 10/9/2016 23:36 | 69 | 12/9/2016 0:41 | 62 |
| 6/9/2016 3:21 | 62 | 7/9/2016 4:26 | 59 | 8/9/2016 5:31 | 60 | 9/9/2016 6:36 | 58 | 10/9/2016 23:41 | 66 | 12/9/2016 0:46 | 62 |
| 6/9/2016 3:26 | 62 | 7/9/2016 4:31 | 57 | 8/9/2016 5:36 | 61 | 9/9/2016 6:41 | 60 | 10/9/2016 23:46 | 67 | 12/9/2016 0:51 | 62 |
| 6/9/2016 3:31 | 62 | 7/9/2016 4:36 | 59 | 8/9/2016 5:41 | 61 | 9/9/2016 6:46 | 61 | 10/9/2016 23:51 | 66 | 12/9/2016 0:56 | 62 |
| 6/9/2016 3:36 | 62 | 7/9/2016 4:41 | 59 | 8/9/2016 5:46 | 61 | 9/9/2016 6:51 | 62 | 10/9/2016 23:56 | 67 | 12/9/2016 1:01 | 62 |
| 6/9/2016 3:41 | 61 | 7/9/2016 4:46 | 59 | 8/9/2016 5:51 | 62 | 9/9/2016 6:56 | 62 | 11/9/2016 0:01 | 66 | 12/9/2016 1:06 | 61 |
| 6/9/2016 3:46 | 61 | 7/9/2016 4:51 | 58 | 8/9/2016 5:56 | 61 | 9/9/2016 23:01 | 63 | 11/9/2016 0:06 | 66 | 12/9/2016 1:11 | 62 |
| 6/9/2016 3:51 | 61 | 7/9/2016 4:56 | 58 | 8/9/2016 6:01 | 61 | 9/9/2016 23:06 | 60 | 11/9/2016 0:11 | 66 | 12/9/2016 1:16 | 60 |
| 6/9/2016 3:56 | 62 | 7/9/2016 5:01 | 58 | 8/9/2016 6:06 | 60 | 9/9/2016 23:11 | 58 | 11/9/2016 0:16 | 66 | 12/9/2016 1:21 | 61 |
| 6/9/2016 4:01 | 60 | 7/9/2016 5:06 | 58 | 8/9/2016 6:11 | 62 | 9/9/2016 23:16 | 60 | 11/9/2016 0:21 | 65 | 12/9/2016 1:26 | 62 |
| 6/9/2016 4:06 | 61 | 7/9/2016 5:11 | 58 | 8/9/2016 6:16 | 52 | 9/9/2016 23:21 | 60 | 11/9/2016 0:26 | 67 | 12/9/2016 1:31 | 61 |
| 6/9/2016 4:11 | 62 | 7/9/2016 5:16 | 59 | 8/9/2016 6:21 | 55 | 9/9/2016 23:26 | 60 | 11/9/2016 0:31 | 64 | 12/9/2016 1:36 | 61 |
| 6/9/2016 4:16 | 61 | 7/9/2016 5:21 | 58 | 8/9/2016 6:26 | 59 | 9/9/2016 23:31 | 60 | 11/9/2016 0:36 | 64 | 12/9/2016 1:41 | 61 |
| 6/9/2016 4:21 | 61 | 7/9/2016 5:26 | 58 | 8/9/2016 6:31 | 59 | 9/9/2016 23:36 | 63 | 11/9/2016 0:41 | 65 | 12/9/2016 1:46 | 60 |
| 6/9/2016 4:26 | 62 | 7/9/2016 5:31 | 59 | 8/9/2016 6:36 | 60 | 9/9/2016 23:41 | 60 | 11/9/2016 0:46 | 64 | 12/9/2016 1:51 | 61 |
| 6/9/2016 4:31 | 61 | 7/9/2016 5:36 | 60 | 8/9/2016 6:41 | 62 | 9/9/2016 23:46 | 59 | 11/9/2016 0:51 | 63 | 12/9/2016 1:56 | 60 |
| 6/9/2016 4:36 | 61 | 7/9/2016 5:41 | 60 | 8/9/2016 6:46 | 62 | 9/9/2016 23:51 | 58 | 11/9/2016 0:56 | 65 | 12/9/2016 2:01 | 60 |
| 6/9/2016 4:41 | 61 | 7/9/2016 5:46 | 61 | 8/9/2016 6:51 | 62 | 9/9/2016 23:56 | 58 | 11/9/2016 1:01 | 64 | 12/9/2016 2:06 | 60 |
| 6/9/2016 4:46 | 63 | 7/9/2016 5:51 | 61 | 8/9/2016 6:56 | 64 | 10/9/2016 0:01 | 60 | 11/9/2016 1:06 | 64 | 12/9/2016 2:11 | 60 |
| 6/9/2016 4:51 | 62 | 7/9/2016 5:56 | 62 | 8/9/2016 23:01 | 59 | 10/9/2016 0:06 | 59 | 11/9/2016 1:11 | 63 | 12/9/2016 2:16 | 60 |
| 6/9/2016 4:56 | 62 | 7/9/2016 6:01 | 60 | 8/9/2016 23:06 | 60 | 10/9/2016 0:11 | 58 | 11/9/2016 1:16 | 63 | 12/9/2016 2:21 | 59 |
| 6/9/2016 5:01 | 62 | 7/9/2016 6:06 | 62 | 8/9/2016 23:11 | 61 | 10/9/2016 0:16 | 57 | 11/9/2016 1:21 | 63 | 12/9/2016 2:26 | 60 |
| 6/9/2016 5:06 | 61 | 7/9/2016 6:11 | 61 | 8/9/2016 23:16 | 62 | 10/9/2016 0:21 | 58 | 11/9/2016 1:26 | 63 | 12/9/2016 2:31 | 59 |
| 6/9/2016 5:11 | 62 | 7/9/2016 6:16 | 62 | 8/9/2016 23:21 | 59 | 10/9/2016 0:26 | 56 | 11/9/2016 1:31 | 61 | 12/9/2016 2:36 | 59 |
| 6/9/2016 5:16 | 61 | 7/9/2016 6:21 | 50 | 8/9/2016 23:26 | 60 | 10/9/2016 0:31 | 57 | 11/9/2016 1:36 | 64 | 12/9/2016 2:41 | 59 |
| 6/9/2016 5:21 | 62 | 7/9/2016 6:26 | 54 | 8/9/2016 23:31 | 58 | 10/9/2016 0:36 | 55 | 11/9/2016 1:41 | 63 | 12/9/2016 2:46 | 58 |
| 6/9/2016 5:26 | 63 | 7/9/2016 6:31 | 58 | 8/9/2016 23:36 | 58 | 10/9/2016 0:41 | 56 | 11/9/2016 1:46 | 63 | 12/9/2016 2:51 | 59 |
| 6/9/2016 5:31 | 63 | 7/9/2016 6:36 | 61 | 8/9/2016 23:41 | 58 | 10/9/2016 0:46 | 63 | 11/9/2016 1:51 | 63 | 12/9/2016 2:56 | 60 |
| 6/9/2016 5:36 | 55 | 7/9/2016 6:41 | 60 | 8/9/2016 23:46 | 55 | 10/9/2016 0:51 | 53 | 11/9/2016 1:56 | 65 | 12/9/2016 3:01 | 59 |
| 6/9/2016 5:41 | 54 | 7/9/2016 6:46 | 60 | 8/9/2016 23:51 | 57 | 10/9/2016 0:56 | 53 | 11/9/2016 2:01 | 62 | 12/9/2016 3:06 | 59 |
| 6/9/2016 5:46 | 57 | 7/9/2016 6:51 | 62 | 8/9/2016 23:56 | 58 | 10/9/2016 1:01 | 53 | 11/9/2016 2:06 | 62 | 12/9/2016 3:11 | 58 |
| 6/9/2016 5:51 | 58 | 7/9/2016 6:56 | 62 | 9/9/2016 0:01 | 57 | 10/9/2016 1:06 | 48 | 11/9/2016 2:11 | 60 | 12/9/2016 3:16 | 59 |
| 6/9/2016 5:56 | 59 | 7/9/2016 23:01 | 58 | 9/9/2016 0:06 | 56 | 10/9/2016 1:11 | 51 | 11/9/2016 2:16 | 61 | 12/9/2016 3:21 | 58 |
| 6/9/2016 6:01 | 62 | 7/9/2016 23:06 | 58 | 9/9/2016 0:11 | 55 | 10/9/2016 1:16 | 37 | 11/9/2016 2:21 | 63 | 12/9/2016 3:26 | 60 |
| 6/9/2016 6:06 | 60 | 7/9/2016 23:11 | 58 | 9/9/2016 0:16 | 52 | 10/9/2016 1:21 | 63 | 11/9/2016 2:26 | 60 | 12/9/2016 3:31 | 58 |
| 6/9/2016 6:11 | 60 | 7/9/2016 23:16 | 59 | 9/9/2016 0:21 | 56 | 10/9/2016 1:26 | 55 | 11/9/2016 2:31 | 63 | 12/9/2016 3:36 | 58 |
| 6/9/2016 6:16 | 64 | 7/9/2016 23:21 | 60 | 9/9/2016 0:26 | 50 | 10/9/2016 1:31 | 48 | 11/9/2016 2:36 | 61 | 12/9/2016 3:41 | 59 |
| 6/9/2016 6:21 | 64 | 7/9/2016 23:26 | 58 | 9/9/2016 0:31 | 53 | 10/9/2016 1:36 | 49 | 11/9/2016 2:41 | 60 | 12/9/2016 3:46 | 59 |
| 6/9/2016 6:26 | 65 | 7/9/2016 23:31 | 60 | 9/9/2016 0:36 | 50 | 10/9/2016 1:41 | 63 | 11/9/2016 2:46 | 60 | 12/9/2016 3:51 | 57 |
| 6/9/2016 6:31 | 66 | 7/9/2016 23:36 | 58 | 9/9/2016 0:41 | 52 | 10/9/2016 1:46 | 63 | 11/9/2016 2:51 | 58 | 12/9/2016 3:56 | 59 |
| 6/9/2016 6:36 | 65 | 7/9/2016 23:41 | 56 | 9/9/2016 0:46 | 49 | 10/9/2016 1:51 | 62 | 11/9/2016 2:56 | 60 | 12/9/2016 4:01 | 57 |
| 6/9/2016 6:41 | 66 | 7/9/2016 23:46 | 56 | 9/9/2016 0:51 | 51 | 10/9/2016 1:56 | 51 | 11/9/2016 3:01 | 57 | 12/9/2016 4:06 | 59 |
| 6/9/2016 6:46 | 66 | 7/9/2016 23:51 | 58 | 9/9/2016 0:56 | 62 | 10/9/2016 2:01 | 63 | 11/9/2016 3:06 | 60 | 12/9/2016 4:11 | 59 |
| 6/9/2016 6:51 | 66 | 7/9/2016 23:56 | 57 | 9/9/2016 1:01 | 63 | 10/9/2016 2:06 | 63 | 11/9/2016 3:11 | 54 | 12/9/2016 4:16 | 59 |
| 6/9/2016 6:56 | 67 | 8/9/2016 0:01 | 55 | 9/9/2016 1:06 | 62 | 10/9/2016 2:11 | 62 | 11/9/2016 3:16 | 55 | 12/9/2016 4:21 | 57 |
| 6/9/2016 23:01 | 60 | 89/2016 0:06 | 50 | 9/9/2016 1:11 | 62 | 10/9/2016 2:16 | 63 | 11/9/2016 3:21 | 58 | 12/9/2016 4:26 | 58 |
| 6/9/2016 23:06 | 58 | 8/9/2016 0:11 | 50 | 9/9/2016 1:16 | 62 | 10/9/2016 2:21 | 52 | 11/9/2016 3:26 | 58 | 12/9/2016 4:31 | 58 |
| 6/9/2016 23:11 | 55 | 8/9/2016 0:16 | 54 | 9/9/2016 1:21 | 62 | 10/9/2016 2:26 | 63 | 11/9/2016 3:31 | 60 | 12/9/2016 4:36 | 59 |
| 6/9/2016 23:16 | 57 | 8/9/2016 0:21 | 47 | 9/9/2016 1:26 | 62 | 10/9/2016 2:31 | 62 | 11/9/2016 3:36 | 60 | 12/9/2016 4:41 | 58 |
| 6/9/2016 23:21 | 55 | 8/9/2016 0:26 | 42 | 9/9/2016 1:31 | 62 | 10/9/2016 2:36 | 62 | 11/9/2016 3:41 | 60 | 12/9/2016 4:46 |  |
| 6/9/2016 23:26 | 48 | 8/9/2016 0:31 | 54 | 9/9/2016 1:36 | 63 | 10/9/2016 2:41 | 62 | 11/9/2016 3:46 | 59 | 12/9/2016 4:51 | 60 |
| 6/9/2016 23:31 | 55 | 8/9/2016 0:36 | 63 | 9/9/2016 1:41 | 62 | 10/9/2016 2:46 | 62 | 11/9/2016 3:51 | 59 | 12/9/2016 4:56 | 59 |
| 6/9/2016 23:36 | 53 | 8/9/2016 0:41 | 63 | 9/9/2016 1:46 | 62 | 10/9/2016 2:51 | 62 | 11/9/2016 3:56 | 59 | 12/9/2016 5:01 |  |
| 6/9/2016 23:41 | 54 | 8/9/2016 0:46 | 62 | 9/9/2016 1:51 | 61 | 10/9/2016 2:56 | 62 | 11/9/2016 4:01 | 57 | 12/9/2016 5:06 | 60 |
| 6/9/2016 23:46 | 45 | 8/9/2016 0:51 | 62 | 9/9/2016 1:56 | 62 | 10/9/2016 3:01 | 62 | 11/9/2016 4:06 | 54 | 12/9/2016 5:11 | 59 |
| 6/9/2016 23:51 | 63 | 8/9/2016 0:56 | 62 | 9/9/2016 2:01 | 62 | 10/9/2016 3:06 | 61 | 11/9/2016 4:11 | 54 | 12/9/2016 5:16 | 59 |
| 6/9/2016 23:56 | 63 | 8/9/2016 1:01 | 51 | 9/9/2016 2:06 | 61 | 10/9/2016 3:11 | 62 | 11/9/2016 4:16 | 58 | 12/9/2016 5:21 | 60 |
| 7/9/2016 0:01 | 51 | 8/9/2016 1:06 | 63 | 9/9/2016 2:11 | 61 | 10/9/2016 3:16 | 61 | 11/9/2016 4:21 | 59 | 12/9/2016 5:26 | 61 |
| 7/9/2016 0:06 | 63 | 8/9/2016 1:11 | 62 | 9/9/2016 2:16 | 61 | 10/9/2016 3:21 | 61 | 11/9/2016 4:26 | 57 | 12/9/2016 5:31 |  |
| 7/9/2016 0:11 | 62 | 8/9/2016 1:16 | 62 | 9/9/2016 2:21 | 60 | 10/9/2016 3:26 | 61 | 11/9/2016 4:31 | 54 | 12/9/2016 5:36 |  |
| 7/9/2016 0:16 | 54 | 8/9/2016 1:21 | 62 | 9/9/2016 2:26 | 60 | 10/9/2016 3:31 | 61 | 11/9/2016 4:36 | 56 | 12/9/2016 5:41 | 61 |
| 7/9/2016 0:21 | 58 | 89/2016 1:26 | 62 | 9/9/2016 2:31 | 60 | 10/9/2016 3:36 | 60 | 11/9/2016 4:41 | 61 | 12/9/2016 5:46 | 61 |
| 7/9/2016 0:26 | 62 | 8/9/2016 1:31 | 62 | 9/9/2016 2:36 | 61 | 10/9/2016 3:41 | 62 | 11/9/2016 4:46 | 59 | 12/9/2016 5:51 |  |
| 7/9/2016 0:31 | 59 | 8/9/2016 1:36 | 62 | 9/9/2016 2:41 | 61 | 10/9/2016 3:46 | 61 | 11/9/2016 4:51 | 53 | 12/9/2016 5:56 |  |
| 7/9/2016 0:36 | 59 | 8/9/2016 1:41 | 61 | 9/9/2016 2:46 | 60 | 10/9/2016 3:51 | 62 | 11/9/2016 4:56 | 59 | 12/9/2016 6:01 |  |
| 7/9/2016 0:41 | 61 | 8/9/2016 1:46 | 62 | 9/9/2016 2:51 | 61 | 10/9/2016 3:56 | 62 | 11/9/2016 5:01 | 54 | 12/9/2016 6:06 |  |
| 7/9/2016 0:46 | 61 | 8/9/2016 1:51 | 61 | 9/9/2016 2:56 | 60 | 10/9/2016 4:01 | 61 | 11/9/2016 5:06 | 63 | 12/9/2016 6:11 | 57 |
| 7/9/2016 0:51 | 59 | 8/9/2016 1:56 | 60 | 9/9/2016 3:01 | 60 | 10/9/2016 4:06 | 61 | 11/9/2016 5:11 | 56 | 12/9/2016 6:16 | 57 |
| 7/9/2016 0:56 | 60 | 8/9/2016 2:01 | 61 | 9/9/2016 3:06 | 60 | 10/9/2016 4:11 | 61 | 11/9/2016 5:16 | 58 | 12/9/2016 6:21 | 57 |
| 7/9/2016 1:01 | 60 | 89/2016 2:06 | 61 | 9/9/2016 3:11 | 59 | 10/9/2016 4:16 | 62 | 11/9/2016 5:21 | 61 | 12/9/2016 6:26 |  |
| 7/9/2016 1:06 | 59 59 | 8/9/2016 2:11 8/9/2016 2:16 | 60 60 | 9/9/2016 3:16 | 60 60 | 109/92016 4:21 10/9/2016 4:26 | 62 62 | 11/9/2016 5:26 |  | 12/9/2016 6:31 12/9/2016 6:36 |  |


| Real-time Noise | Data | RTN3 (Po Leung Kuk | Yu L | Memorial School |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12/9/2016 6:41 | 62 | 13/9/2016 23:46 | 58 | 15/9/2016 0:51 | 50 | 16/9/2016 1:56 | 50 | 17/9/2016 3:01 | 60 | 18/9/2016 4:06 | 60 |
| 12/9/2016 6:46 | 62 | 13/9/2016 23:51 | 58 | 15/9/2016 0:56 | 63 | 16/9/2016 2:01 | 62 | 17/9/2016 3:06 | 60 | 18/9/2016 4:11 | 0 |
| 12/9/2016 6:51 | 63 | 13/9/2016 23:56 | 60 | 15/9/2016 1:01 | 62 | 16/9/2016 2:06 | 62 | 17/9/2016 3:11 | 60 | 18/9/2016 4:16 | 61 |
| 12/9/2016 6:56 | 64 | 14/9/2016 0:01 | 57 | 15/9/2016 1:06 | 62 | 16/9/2016 2:11 | 62 | 17/9/2016 3:16 | 61 | 18/9/2016 4:21 | 62 |
| 12/9/2016 23:01 | 60 | 14/9/2016 0:06 | 57 | 15/9/2016 1:11 | 62 | 16/9/2016 2:16 | 62 | 17/9/2016 3:21 | 61 | 18/9/2016 4:26 | 9 |
| 12/9/2016 23:06 | 58 | 14/9/2016 0:11 | 57 | 15/9/2016 1:16 | 62 | 16/9/2016 2:21 | 62 | 17/9/2016 3:26 | 59 | 18/9/2016 4:31 | 60 |
| 12/9/2016 23:11 | 58 | 14/9/2016 0:16 | 58 | 15/9/2016 1:21 | 61 | 16/9/2016 2:26 | 63 | 17/9/2016 3:31 | 61 | 18/9/2016 4:36 | 61 |
| 12/9/2016 23:16 | 58 | 14/9/2016 0:21 | 57 | 15/9/2016 1:26 | 62 | 16/9/2016 2:31 | 62 | 17/9/2016 3:36 | 60 | 18/9/2016 4:41 | 60 |
| 12/9/2016 23:21 | 60 | 14/9/2016 0:26 | 60 | 15/9/2016 1:31 | 61 | 16/9/2016 2:36 | 61 | 17/9/2016 3:41 | 60 | 18/9/2016 4:46 | 61 |
| 12/9/2016 23:26 | 60 | 14/9/2016 0:31 | 63 | 15/9/2016 1:36 | 61 | 16/9/2016 2:41 | 61 | 17/9/2016 3:46 | 60 | 18/9/2016 4:51 | 60 |
| 12/9/2016 23:31 | 57 | 14/9/2016 0:36 | 63 | 15/9/2016 1:41 | 49 | 16/9/2016 2:46 | 62 | 17/9/2016 3:51 | 60 | 18/9/2016 4:56 | 60 |
| 12/9/2016 23:36 | 60 | 14/9/2016 0:41 | 42 | 15/9/2016 1:46 | 60 | 16/9/2016 2:51 | 61 | 17/9/2016 3:56 | 60 | 18/9/2016 5:01 | 59 |
| 12/9/2016 23:41 | 55 | 14/9/2016 0:46 | 63 | 15/9/2016 1:51 | 61 | 16/9/2016 2:56 | 61 | 17/9/2016 4:01 | 61 | 18/9/2016 5:06 | 61 |
| 12/9/2016 23:46 | 54 | 14/9/2016 0:51 | 63 | 15/9/2016 1:56 | 60 | 16/9/2016 3:01 | 61 | 17/9/2016 4:06 | 60 | 18/9/2016 5:11 | 60 |
| 12/9/2016 23:51 | 55 | 14/9/2016 0:56 | 62 | 15/9/2016 2:01 | 60 | 16/9/2016 3:06 | 61 | 17/9/2016 4:11 | 60 | 18/9/2016 5:16 | 60 |
| 12/9/2016 23:56 | 58 | 14/9/2016 1:01 | 63 | 15/9/2016 2:06 | 62 | 16/9/2016 3:11 | 61 | 17/9/2016 4:16 | 60 | 18/9/2016 5:21 | 60 |
| 13/9/2016 0:01 | 58 | 14/9/2016 1:06 | 62 | 15/9/2016 2:11 | 61 | 16/9/2016 3:16 | 61 | 17/9/2016 4:21 | 59 | 18/9/2016 5:26 | 60 |
| 13/9/2016 0:06 | 49 | 14/9/2016 1:11 | 62 | 15/9/2016 2:16 | 60 | 16/9/2016 3:21 | 61 | 17/9/2016 4:26 | 61 | 18/9/2016 5:31 | 61 |
| 13/9/2016 0:11 | 63 | 14/9/2016 1:16 | 62 | 15/9/2016 2:21 | 61 | 16/9/2016 3:26 | 62 | 17/9/2016 4:31 | 60 | 18/9/2016 5:36 | 61 |
| 13/9/2016 0:16 | 54 | 14/9/2016 1:21 | 61 | 15/9/2016 2:26 | 61 | 16/9/2016 3:31 | 61 | 17/9/2016 4:36 | 59 | 18/9/2016 5:41 | 61 |
| 13/9/2016 0:21 | 63 | 14/9/2016 1:26 | 63 | 15/9/2016 2:31 | 61 | 16/9/2016 3:36 | 61 | 17/9/2016 4:41 | 60 | 18/9/2016 5:46 | 61 |
| 13/9/2016 0:26 | 57 | 14/9/2016 1:31 | 62 | 15/9/2016 2:36 | 60 | 16/9/2016 3:41 | 61 | 17/9/2016 4:46 | 60 | 18/9/2016 5:51 | 62 |
| 13/9/2016 0:31 | 63 | 14/9/2016 1:36 | 61 | 15/9/2016 2:41 | 60 | 16/9/2016 3:46 | 61 | 17/9/2016 4:51 | 60 | 18/9/2016 5:56 | 61 |
| 13/9/2016 0:36 | 62 | 14/9/2016 1:41 | 60 | 15/9/2016 2:46 | 60 | 16/9/2016 3:51 | 60 | 17/9/2016 4:56 | 60 | 18/9/2016 6:01 | 61 |
| 13/9/2016 0:41 | 62 | 14/9/2016 1:46 | 61 | 15/9/2016 2:51 | 61 | 16/9/2016 3:56 | 60 | 17/9/2016 5:01 | 59 | 18/9/2016 6:06 | 61 |
| 13/9/2016 0:46 | 62 | 14/9/2016 1:51 | 61 | 15/9/2016 2:56 | 59 | 16/9/2016 4:01 | 60 | 17/9/2016 5:06 | 60 | 18/9/2016 6:11 | 54 |
| 13/9/2016 0:51 | 63 | 14/9/2016 1:56 | 61 | 15/9/2016 3:01 | 59 | 16/9/2016 4:06 | 61 | 17/9/2016 5:11 | 60 | 18/9/2016 6:16 | 50 |
| 13/9/2016 0:56 | 62 | 14/9/2016 2:01 | 60 | 15/9/2016 3:06 | 59 | 16/9/2016 4:11 | 61 | 17/9/2016 5:16 | 59 | 18/9/2016 6:21 | 63 |
| 13/9/2016 1:01 | 62 | 14/9/2016 2:06 | 61 | 15/9/2016 3:11 | 60 | 16/9/2016 4:16 | 60 | 17/9/2016 5:21 | 60 | 18/9/2016 6:26 | 63 |
| 13/9/2016 1:06 | 63 | 14/9/2016 2:11 | 59 | 15/9/2016 3:16 | 60 | 16/9/2016 4:21 | 60 | 17/9/2016 5:26 | 59 | 18/9/2016 6:31 | 54 |
| 13/9/2016 1:11 | 62 | 14/9/2016 2:16 | 60 | 15/9/2016 3:21 | 60 | 16/9/2016 4:26 | 60 | 17/9/2016 5:31 | 61 | 18/9/2016 6:36 | 61 |
| 13/9/2016 1:16 | 62 | 14/9/2016 2:21 | 61 | 15/9/2016 3:26 | 59 | 16/9/2016 4:31 | 59 | 17/9/2016 5:36 | 61 | 18/9/2016 6:41 | 55 |
| 13/9/2016 1:21 | 62 | 14/9/2016 2:26 | 60 | 15/9/2016 3:31 | 62 | 16/9/2016 4:36 | 60 | 17/9/2016 5:41 | 61 | 18/9/2016 6:46 | 55 |
| 13/9/2016 1:26 | 61 | 14/9/2016 2:31 | 60 | 15/9/2016 3:36 | 60 | 16/9/2016 4:41 | 60 | 17/9/2016 5:46 | 61 | 18/9/2016 6:51 | 54 |
| 13/9/2016 1:31 | 60 | 14/9/2016 2:36 | 60 | 15/9/2016 3:41 | 59 | 16/9/2016 4:46 | 60 | 17/9/2016 5:51 | 62 | 18/9/2016 6:56 | 48 |
| 13/9/2016 1:36 | 61 | 14/9/2016 2:41 | 59 | 15/9/2016 3:46 | 59 | 16/9/2016 4:51 | 60 | 17/9/2016 5:56 | 61 | 18/9/2016 23:01 | 37 |
| 13/9/2016 1:41 | 61 | 14/9/2016 2:46 | 60 | 15/9/2016 3:51 | 59 | 16/9/2016 4:56 | 54 | 17/9/2016 6:01 | 61 | 18/9/2016 23:06 | 51 |
| 13/9/2016 1:46 | 61 | 14/9/2016 2:51 | 60 | 15/9/2016 3:56 | 60 | 16/9/2016 5:01 | 61 | 17/9/2016 6:06 | 62 | 18/9/2016 23:11 | 53 |
| 13/9/2016 1:51 | 61 | 14/9/2016 2:56 | 59 | 15/9/2016 4:01 | 59 | 16/9/2016 5:06 | 60 | 17/9/2016 6:11 | 62 | 18/9/2016 23:16 | 53 |
| 13/9/2016 1:56 | 53 | 14/9/2016 3:01 | 59 | 15/9/2016 4:06 | 60 | 16/9/2016 5:11 | 60 | 17/9/2016 6:16 | 63 | 18/9/2016 23:21 | 37 |
| 13/9/2016 2:01 | 60 | 14/9/2016 3:06 | 59 | 15/9/2016 4:11 | 59 | 16/9/2016 5:16 | 61 | 17/9/2016 6:21 | 62 | 18/9/2016 23:26 | 51 |
| 13/9/2016 2:06 | 60 | 14/9/2016 3:11 | 61 | 15/9/2016 4:16 | 60 | 16/9/2016 5:21 | 60 | 17/9/2016 6:26 | 54 | 18/9/2016 23:31 | 63 |
| 13/9/2016 2:11 | 60 | 14/9/2016 3:16 | 60 | 15/9/2016 4:21 | 59 | 16/9/2016 5:26 | 60 | 17/9/2016 6:31 | 56 | 18/9/2016 23:36 | 54 |
| 13/9/2016 2:16 | 58 | 14/9/2016 3:21 | 60 | 15/9/2016 4:26 | 59 | 16/9/2016 5:31 | 61 | 17/9/2016 6:36 | 53 | 18/9/2016 23:41 | 63 |
| 13/9/2016 2:21 | 61 | 14/9/2016 3:26 | 59 | 15/9/2016 4:31 | 59 | 16/9/2016 5:36 | 62 | 17/9/2016 6:41 | 55 | 18/9/2016 23:46 | 56 |
| 13/9/2016 2:26 | 60 | 14/9/2016 3:31 | 59 | 15/9/2016 4:36 | 60 | 16/9/2016 5:41 | 62 | 17/9/2016 6:46 | 60 | 18/9/2016 23:51 | 63 |
| 13/9/2016 2:31 | 60 | 14/9/2016 3:36 | 59 | 15/9/2016 4:41 | 60 | 16/9/2016 5:46 | 62 | 17/9/2016 6:51 | 58 | 18/9/2016 23:56 | 63 |
| 13/9/2016 2:36 | 60 | 14/9/2016 3:41 | 59 | 15/9/2016 4:46 | 60 | 16/9/2016 5:51 | 61 | 17/9/2016 6:56 | 53 | 19/9/2016 0:01 | 63 |
| 13/9/2016 2:41 | 59 | 14/9/2016 3:46 | 59 | 15/9/2016 4:51 | 60 | 16/9/2016 5:56 | 61 | 17/9/2016 23:01 | 59 | 19/9/2016 0:06 | 63 |
| 13/9/2016 2:46 | 59 | 14/9/2016 3:51 | 59 | 15/9/2016 4:56 | 60 | 16/9/2016 6:01 | 62 | 17/9/2016 23:06 | 60 | 19/9/2016 0:11 | 62 |
| 13/9/2016 2:51 | 59 | 14/9/2016 3:56 | 58 | 15/9/2016 5:01 | 59 | 16/9/2016 6:06 | 62 | 17/9/2016 23:11 | 60 | 19/9/2016 0:16 | 62 |
| 13/9/2016 2:56 | 58 | 14/9/2016 4:01 | 59 | 15/9/2016 5:06 | 60 | 16/9/2016 6:11 | 63 | 17/9/2016 23:16 | 59 | 19/9/2016 0:21 | 62 |
| 13/9/2016 3:01 | 59 | 14/9/2016 4:06 | 61 | 15/9/2016 5:11 | 60 | 16/9/2016 6:16 | 54 | 17/9/2016 23:21 | 61 | 19/9/2016 0:26 | 61 |
| 13/9/2016 3:06 | 59 | 14/9/2016 4:11 | 60 | 15/9/2016 5:16 | 59 | 16/9/2016 6:21 | 45 | 17/9/2016 23:26 | 61 | 19/9/2016 0:31 | 62 |
| 13/9/2016 3:11 | 59 | 14/9/2016 4:16 | 58 | 15/9/2016 5:21 | 60 | 16/9/2016 6:26 | 63 | 17/9/2016 23:31 | 58 | 19/9/2016 0:36 | 61 |
| 13/9/2016 3:16 | 59 | 14/9/2016 4:21 | 59 | 15/9/2016 5:26 | 60 | 16/9/2016 6:31 | 49 | 17/9/2016 23:36 | 55 | 19/9/2016 0:41 | 62 |
| 13/9/2016 3:21 | 59 | 14/9/2016 4:26 | 59 | 15/9/2016 5:31 | 60 | 16/9/2016 6:36 | 37 | 17/9/2016 23:41 | 56 | 19/9/2016 0:46 | 61 |
| 13/9/2016 3:26 | 59 | 14/9/2016 4:31 | 59 | 15/9/2016 5:36 | 60 | 16/9/2016 6:41 | 59 | 17/9/2016 23:46 | 59 | 19/9/2016 0:51 | 62 |
| 13/9/2016 3:31 | 58 | 14/9/2016 4:36 | 60 | 15/9/2016 5:41 | 60 | 16/9/2016 6:46 | 56 | 17/9/2016 23:51 | 54 | 19/9/2016 0:56 | 61 |
| 13/9/2016 3:36 | 59 | 14/9/2016 4:41 | 60 | 15/9/2016 5:46 | 61 | 16/9/2016 6:51 | 54 | 17/9/2016 23:56 | 57 | 19/9/2016 1:01 | 61 |
| 13/9/2016 3:41 | 59 | 14/9/2016 4:46 | 59 | 15/9/2016 5:51 | 62 | 16/9/2016 6:56 | 55 | 18/9/2016 0:01 | 59 | 19/9/2016 1:06 | 61 |
| 13/9/2016 3:46 | 59 | 14/9/2016 4:51 | 58 | 15/9/2016 5:56 | 61 | 16/9/2016 23:01 | 58 | 18/9/2016 0:06 | 60 | 19/9/2016 1:11 | 61 |
| 13/9/2016 3:51 | 62 | 14/9/2016 4:56 | 59 | 15/9/2016 6:01 | 61 | 16/9/2016 23:06 | 54 | 18/9/2016 0:11 | 56 | 19/9/2016 1:16 | 61 |
| 13/9/2016 3:56 | 63 | 14/9/2016 5:01 | 60 | 15/9/2016 6:06 | 56 | 16/9/2016 23:11 | 62 | 18/9/2016 0:16 | 52 | 19/9/2016 1:21 | 62 |
| 13/9/2016 4:01 | 59 | 14/9/2016 5:06 | 60 | 15/9/2016 6:11 | 69 | 16/9/2016 23:16 | 58 | 18/9/2016 0:21 | 58 | 19/9/2016 1:26 | 61 |
| 13/9/2016 4:06 | 59 | 14/9/2016 5:11 | 60 | 15/9/2016 6:16 | 58 | 16/9/2016 23:21 | 57 | 18/9/2016 0:26 | 54 | 19/9/2016 1:31 | 61 |
| 13/9/2016 4:11 | 59 | 14/9/2016 5:16 | 59 | 15/9/2016 6:21 | 54 | 16/9/2016 23:26 | 56 | 18/9/2016 0:31 | 57 | 19/9/2016 1:36 | 60 |
| 13/9/2016 4:16 | 58 | 14/9/2016 5:21 | 59 | 15/9/2016 6:26 | 59 | 16/9/2016 23:31 | 58 | 18/9/2016 0:36 | 55 | 19/9/2016 1:41 | 59 |
| 13/9/2016 4:21 | 60 | 14/9/2016 5:26 | 60 | 15/9/2016 6:31 | 58 | 16/9/2016 23:36 | 55 | 18/9/2016 0:41 | 54 | 19/9/2016 1:46 | 59 |
| 13/9/2016 4:26 | 59 | 14/9/2016 5:31 | 60 | 15/9/2016 6:36 | 59 | 16/9/2016 23:41 | 55 | 18/9/2016 0:46 | 56 | 19/9/2016 1:51 | 60 |
| 13/9/2016 4:31 | 59 | 14/9/2016 5:36 | 61 | 15/9/2016 6:41 | 60 | 16/9/2016 23:46 | 55 | 18/9/2016 0:51 | 43 | 19/9/2016 1:56 | 60 |
| 13/9/2016 4:36 | 59 | 14/9/2016 5:41 | 61 | 15/9/2016 6:46 | 61 | 16/9/2016 23:51 | 60 | 18/9/2016 0:56 | 63 | 19/9/2016 2:01 | 59 |
| 13/9/2016 4:41 | 60 | 14/9/2016 5:46 | 61 | 15/9/2016 6:51 | 61 | 16/9/2016 23:56 | 57 | 18/9/2016 1:01 | 52 | 19/9/2016 2:06 | 60 |
| 13/9/2016 4:46 | 59 | 14/9/2016 5:51 | 61 | 15/9/2016 6:56 | 61 | 17/9/2016 0:01 | 56 | 18/9/2016 1:06 | 62 | 19/9/2016 2:11 | 59 |
| 13/9/2016 4:51 | 59 | 14/9/2016 5:56 | 62 | 15/9/2016 23:01 | 60 | 17/9/2016 0:06 | 46 | 18/9/2016 1:11 | 49 | 19/9/2016 2:16 | 60 |
| 13/9/2016 4:56 | 60 | 14/9/2016 6:01 | 62 | 15/9/2016 23:06 | 58 | 17/9/2016 0:11 | 51 | 18/9/2016 1:16 | 62 | 19/9/2016 2:21 | 59 |
| 13/9/2016 5:01 | 60 | 14/9/2016 6:06 | 62 | 15/9/2016 23:11 | 60 | 17/9/2016 0:16 | 60 | 18/9/2016 1:21 | 62 | 19/9/2016 2:26 | 59 |
| 13/9/2016 5:06 | 60 | 14/9/2016 6:11 | 63 | 15/9/2016 23:16 | 62 | 17/9/2016 0:21 | 47 | 18/9/2016 1:26 | 63 | 19/9/2016 2:31 | 59 |
| 13/9/2016 5:11 | 60 | 14/9/2016 6:16 | 50 | 15/9/2016 23:21 | 61 | 17/9/2016 0:26 | 56 | 18/9/2016 1:31 | 62 | 19/9/2016 2:36 | 60 |
| 13/9/2016 5:16 | 61 | 14/9/2016 6:21 | 57 | 15/9/2016 23:26 | 59 | 17/9/2016 0:31 | 53 | 18/9/2016 1:36 | 63 | 19/9/2016 2:41 | 58 |
| 13/9/2016 5:21 | 60 | 14/9/2016 6:26 | 58 | 15/9/2016 23:31 | 58 | 17/9/2016 0:36 | 52 | 18/9/2016 1:41 | 62 | 19/9/2016 2:46 | 59 |
| 13/9/2016 5:26 | 60 | 14/9/2016 6:31 | 59 | 15/9/2016 23:36 | 61 | 17/9/2016 0:41 | 62 | 18/9/2016 1:46 | 62 | 19/9/2016 2:51 | 60 |
| 13/9/2016 5:31 | 60 | 14/9/2016 6:36 | 60 | 15/9/2016 23:41 | 59 | 17/9/2016 0:46 | 63 | 18/9/2016 1:51 | 62 | 19/9/2016 2:56 | 58 |
| 13/9/2016 5:36 | 60 | 14/9/2016 6:41 | 62 | 15/9/2016 23:46 | 58 | 17/9/2016 0:51 | 62 | 18/9/2016 1:56 | 62 | 19/9/2016 3:01 | 59 |
| 13/9/2016 5:41 | 60 | 14/9/2016 6:46 | 62 | 15/9/2016 23:51 | 59 | 17/9/2016 0:56 | 63 | 18/9/2016 2:01 | 62 | 19/9/2016 3:06 | 58 |
| 13/9/2016 5:46 | 61 | 14/9/2016 6:51 | 62 | 15/9/2016 23:56 | 59 | 17/9/2016 1:01 | 62 | 18/9/2016 2:06 | 62 | 19/9/2016 3:11 | 58 |
| 13/9/2016 5:51 | 62 | 14/9/2016 6:56 | 62 | 16/9/2016 0:01 | 60 | 17/9/2016 1:06 | 62 | 18/9/2016 2:11 | 62 | 19/9/2016 3:16 | 58 |
| 13/9/2016 5:56 | 62 | 14/9/2016 23:01 | 57 | 16/9/2016 0:06 | 58 | 17/9/2016 1:11 | 62 | 18/9/2016 2:16 | 62 | 19/9/2016 3:21 | 60 |
| 13/9/2016 6:01 | 63 | 14/9/2016 23:06 | 60 | 16/9/2016 0:11 | 57 | 17/9/2016 1:16 | 62 | 18/9/2016 2:21 | 62 | 19/9/2016 3:26 | 58 |
| 13/9/2016 6:06 | 63 | 14/9/2016 23:11 | 60 | 16/9/2016 0:16 | 59 | 17/9/2016 1:21 | 62 | 18/9/2016 2:26 | 62 | 19/9/2016 3:31 | 59 |
| 13/9/2016 6:11 | 63 | 14/9/2016 23:16 | 59 | 16/9/2016 0:21 | 57 | 17/9/2016 1:26 | 62 | 18/9/2016 2:31 | 62 | 19/9/2016 3:36 | 57 |
| 13/9/2016 6:16 | 55 | 14/9/2016 23:21 | 58 | 16/9/2016 0:26 | 58 | 17/9/2016 1:31 | 62 | 18/9/2016 2:36 | 62 | 19/9/2016 3:41 | 59 |
| 13/9/2016 6:21 | 58 | 14/9/2016 23:26 | 58 | 16/9/2016 0:31 | 63 | 17/9/2016 1:36 | 63 | 18/9/2016 2:41 | 62 | 19/9/2016 3:46 | 58 |
| 13/9/2016 6:26 | 59 | 14/9/2016 23:31 | 64 | 16/9/2016 0:36 | 53 | 17/9/2016 1:41 | 62 | 18/9/2016 2:46 | 62 | 19/9/2016 3:51 | 59 |
| 13/9/2016 6:31 | 60 | 14/9/2016 23:36 | 60 | 16/9/2016 0:41 | 55 | 17/9/2016 1:46 | 62 | 18/9/2016 2:51 | 61 | 19/9/2016 3:56 | 58 |
| 13/9/2016 6:36 | 61 | 14/9/2016 23:41 | 58 | 16/9/2016 0:46 | 55 | 17/9/2016 1:51 | 61 | 18/9/2016 2:56 | 61 | 19/9/2016 4:01 | 58 |
| 13/9/2016 6:41 | 62 | 14/9/2016 23:46 | 56 | 16/9/2016 0:51 | 56 | 17/9/2016 1:56 | 61 | 18/9/2016 3:01 | 62 | 19/9/2016 4:06 | 58 |
| 13/9/2016 6:46 | 63 | 14/9/2016 23:51 | 56 | 16/9/2016 0:56 | 59 | 17/9/2016 2:01 | 61 | 18/9/2016 3:06 | 61 | 19/9/2016 4:11 | 58 |
| 13/9/2016 6:51 | 64 | 14/9/2016 $23: 56$ | 55 | 16/9/2016 1:01 | 53 | 17/9/2016 2:06 | 60 | 18/9/2016 3:11 | 60 | 19/9/2016 4:16 | 58 |
| 13/9/2016 6:56 | 63 | 15/9/2016 0:01 | 58 | 16/9/2016 1:06 | 48 | 17/9/2016 2:11 | 61 | 18/9/2016 3:16 | 62 | 19/9/2016 4:21 | 59 |
| 13/9/2016 23:01 | 61 | 15/9/2016 0:06 | 47 | 16/9/2016 1:11 | 63 | 17/9/2016 2:16 | 62 | 18/9/2016 3:21 | 61 | 19/9/2016 4:26 | 58 |
| 13/9/2016 23:06 | 59 | 15/9/2016 0:11 | 55 | 16/9/2016 1:16 | 63 | 17/9/2016 2:21 | 61 | 18/9/2016 3:26 | 60 | 19/9/2016 4:31 | 59 |
| 13/9/2016 23:11 | 61 | 15/9/2016 0:16 | 63 | 16/9/2016 1:21 | 63 | 17/9/2016 2:26 | 60 | 18/9/2016 3:31 | 61 | 19/9/2016 4:36 | 58 |
| 13/9/2016 23:16 | 59 | 15/9/2016 0:21 | 63 | 16/9/2016 1:26 | 63 | 17/9/2016 2:31 | 61 | 18/9/2016 3:36 | 61 | 19/9/2016 4:41 | 59 |
| 13/9/2016 23:21 | 60 | 15/9/2016 0:26 | 53 | 16/9/2016 1:31 | 62 | 17/9/2016 2:36 | 60 | 18/9/2016 3:41 | 60 | 19/9/2016 4:46 | 59 |
| 13/9/2016 23:26 | 60 | 15/9/2016 0:31 | 63 | 16/9/2016 1:36 | 61 | 17/9/2016 2:41 | 62 | 18/9/2016 3:46 | 61 | 19/9/2016 4:51 | 59 |
| 13/9/2016 23:31 | 58 | 15/9/2016 0:36 | 63 | 16/9/2016 1:41 | 63 | 17/9/2016 2:46 | 60 | 18/9/2016 3:51 | 61 | 19/9/2016 4:56 | 58 |
| 13/9/2016 23:36 13/9/2016 23:41 | $\begin{aligned} & 59 \\ & 59 \end{aligned}$ | 15/9/2016 0:41 15/9/2016 0:46 | 62 44 | 16/9/2016 1:46 16/9/2016 1:51 | $\begin{aligned} & 62 \\ & 63 \end{aligned}$ | 17/9/2016 2:51 17/9/2016 2:56 | 60 61 | 18/9/2016 3:56 18/9/2016 4:01 | 61 61 | 19/9/2016 5:01 19/9/2016 5:06 | 58 |


| $\frac{\text { Real-time Noise Data }}{\text { 19/-12016 5.11 }} 5$ |  | RTN3 (Po Leung Kuk Yu Lee Mo Fan Memorial School) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 20/9/2016 6:16 | 66 | 21/9/2016 23:21 |  |
| 19/9/2016 5:16 | 59 | 20/9/2016 6:21 | 66 | 21/9/2016 23:26 | 62 |
| 19/9/2016 5:21 | 60 | 20/9/2016 6:26 | 66 | 21/9/2016 23:31 | 57 |
| 19/9/2016 5:26 | 61 | 20/9/2016 6:31 | 67 | 21/9/2016 23:36 | 60 |
| 19/9/2016 5:31 | 61 | 20/9/2016 6:36 | 66 | 21/9/2016 23:41 | 57 |
| 19/9/2016 5:36 | 61 | 20/9/2016 6:41 | 67 | 21/9/2016 23:46 | 59 |
| 19/9/2016 5:41 | 62 | 20/9/2016 6:46 | 67 | 21/9/2016 23:51 | 62 |
| 19/9/2016 5:46 | 61 | 20/9/2016 6:51 | 68 | 21/9/2016 23:56 | 51 |
| 19/9/2016 5:51 | 62 | 20/9/2016 6:56 | 67 | 22/9/2016 0:01 | 63 |
| 19/9/2016 5:56 | 62 | 20/9/2016 23:01 | 61 | 22/9/2016 0:06 | 56 |
| 19/9/2016 6:01 | 61 | 20/9/2016 23:06 | 61 | 22/9/2016 0:11 | 53 |
| 19/9/2016 6:06 | 63 | 20/9/2016 23:11 | 60 | 22/9/2016 0:16 | 49 |
| 19/9/2016 6:11 | 52 | 20/9/2016 23:16 | 62 | 22/9/2016 0:21 | 58 |
| 19/9/2016 6:16 | 58 | 20/9/2016 23:21 | 61 | 22/9/2016 0:26 | 57 |
| 19/9/2016 6:21 | 56 | 20/9/2016 23:26 | 61 | 22/9/2016 0:31 | 62 |
| 19/9/2016 6:26 | 60 | 20/9/2016 23:31 | 61 | 22/9/2016 0:36 | 54 |
| 19/9/2016 6:31 | 61 | 20/9/2016 23:36 | 59 | 22/9/2016 0:41 | 62 |
| 19/9/2016 6:36 | 60 | 20/9/2016 23:41 | 57 | 22/9/2016 0:46 | 62 |
| 19/9/2016 6:41 | 61 | 20/9/2016 23:46 | 60 | 22/9/2016 0:51 | 63 |
| 19/9/2016 6:46 | 63 | 20/9/2016 23:51 | 59 | 22/9/2016 0:56 | 62 |
| 19/9/2016 6:51 | 62 | 20/9/2016 23:56 | 57 | 22/9/2016 1:01 | 63 |
| 19/9/2016 6:56 | 63 | 21/9/2016 0:01 | 58 | 22/9/2016 1:06 | 63 |
| 19/9/2016 23:01 | 54 | 21/9/2016 0:06 | 57 | 22/9/2016 1:11 | 62 |
| 19/9/2016 23:06 | 56 | 21/9/2016 0:11 | 51 | 22/9/2016 1:16 | 62 |
| 19/9/2016 23:11 | 54 | 21/9/2016 0:16 | 50 | 22/9/2016 1:21 | 62 |
| 19/9/2016 23:16 | 55 | 21/9/2016 0:21 | 52 | 22/9/2016 1:26 | 62 |
| 19/9/2016 23:21 | 55 | 219/2016 0:26 | 66 | 22/9/2016 1:31 | 61 |
| 19/9/2016 23:26 | 55 | 2199/2016 0:31 | 63 | 22/9/2016 1:36 | 62 |
| 19/9/2016 23:31 | 52 | 21/9/2016 0:36 | 61 | 22/9/2016 1:41 | 61 |
| 19/9/2016 23:36 | 49 | 21/9/2016 0:41 | 59 | 22/9/2016 1:46 | 60 |
| 19/9/2016 23:41 | 63 | 219/2016 0:46 | 57 | 22/9/2016 1:51 | 61 |
| 19/9/2016 23:46 | 42 | 2199/2016 0:51 | 58 | 22/9/2016 1:56 | 61 |
| 19/9/2016 23:51 | 52 | 21/9/2016 0:56 | 52 | 22/9/2016 2:01 | 61 |
| 19/9/2016 23:56 | 63 | 21/9/2016 1:01 | 55 | 22/9/2016 2:06 | 61 |
| 20/9/2016 0:01 | 55 | 21/9/2016 1:06 | 63 | 22/9/2016 2:11 | 61 |
| 20/9/2016 0:06 | 57 | 219/2016 1:11 | 63 | 22/9/2016 2:16 | 60 |
| 20/9/2016 0:11 | 60 | 2199/2016 1:16 | 62 | 22/9/2016 2:21 | 60 |
| 20/9/2016 0:16 | 62 | 21/9/2016 1:21 | 63 | 22/9/2016 2:26 | 59 |
| 20/9/2016 0:21 | 63 | 21/9/2016 1:26 | 63 | 22/9/2016 2:31 | 60 |
| 20/9/2016 0:26 | 61 | 219/2016 1:31 | 62 | 22/9/2016 2:36 | 61 |
| 20/9/2016 0:31 | 58 | 2199/2016 1:36 | 62 | 22/9/2016 2:41 | 60 |
| 20/9/2016 0:36 | 59 | 219/2016 1:41 | 61 | 22/9/2016 2:46 | 61 |
| 20/9/2016 0:41 | 50 | 21/9/2016 1:46 | 62 | 22/9/2016 2:51 | 60 |
| 20/9/2016 0:46 | 55 | 21/9/2016 1:51 | 62 | 22/9/2016 2:56 | 60 |
| 20/9/2016 0:51 | 55 | 21/9/2016 1:56 | 61 | 22/9/2016 3:01 | 60 |
| 20/9/2016 0:56 | 63 | 219/2016 2:01 | 61 | 22/9/2016 3:06 | 59 |
| 20/9/2016 1:01 | 43 | 21/9/2016 2:06 | 61 | 22/9/2016 3:11 | 59 |
| 20/9/2016 1:06 | 63 | 219/2016 2:11 | 61 | 22/9/2016 3:16 | 59 |
| 20/9/2016 1:11 | 63 | 21/9/2016 2:16 | 61 | 22/9/2016 3:21 | 59 |
| 20/9/2016 1:16 | 63 | 219/2016 2:21 | 61 | 22/9/2016 3:26 | 58 |
| 20/9/2016 1:21 | 62 | 219/2016 2:26 | 61 | 22/9/2016 3:31 | 58 |
| 20/9/2016 1:26 | 62 | 219/2016 2:31 | 62 | 22/9/2016 3:36 | 59 |
| 20/9/2016 1:31 | 63 | 21/9/2016 2:36 | 62 | 22/9/2016 3:41 | 59 |
| 20/9/2016 1:36 | 62 | 21/9/2016 2:41 | 60 | 22/9/2016 3:46 | 59 |
| 20/9/2016 1:41 | 63 | 219/2016 2:46 | 60 | 22/9/2016 3:51 | 59 |
| 20/9/2016 1:46 | 62 | 219/2016 2:51 | 62 | 22/9/2016 3:56 | 59 |
| 20/9/2016 1:51 | 62 | 219/2016 2:56 | 61 | 22/9/2016 4:01 | 59 |
| 20/9/2016 1:56 | 50 | 21/9/2016 3:01 | 61 | 22/9/2016 4:06 | 60 |
| 20/9/2016 2:01 | 58 | 219/2016 3:06 | 60 | 22/9/2016 4:11 | 59 |
| 20/9/2016 2:06 | 46 | 219/2016 3:11 | 60 | 22/9/2016 4:16 | 60 |
| 20/9/2016 2:11 | 63 | 21/9/2016 3:16 | 60 | 22/9/2016 4:21 | 58 |
| 20/9/2016 2:16 | 62 | 2199/2016 3:21 | 61 | 22/9/2016 4:26 | 60 |
| 20/9/2016 2:21 | 62 | 219/2016 3:26 | 59 | 22/9/2016 4:31 | 60 |
| 20/9/2016 2:26 | 61 | 2199/2016 3:31 | 60 | 22/9/2016 4:36 | 59 |
| 20/9/2016 2:31 | 63 | 21/9/2016 3:36 | 61 | 22/9/2016 4:41 | 60 |
| 20/9/2016 2:36 | 57 | 21/9/2016 3:41 | 60 | 22/9/2016 4:46 | 60 |
| 20/9/2016 2:41 | 62 | 21/9/2016 3:46 | 61 | 22/9/2016 4:51 | 60 |
| 20/9/2016 2:46 | 61 | 219/2016 3:51 | 60 | 22/9/2016 4:56 | 59 |
| 20/9/2016 2:51 | 61 | 21/9/2016 3:56 | 60 | 22/9/2016 5:01 | 59 |
| 20/9/2016 2:56 | 61 | 219/2016 4:01 | 59 | 22/9/2016 5:06 | 60 |
| 20/9/2016 3:01 | 60 | 21/9/2016 4:06 | 59 | 22/9/2016 5:11 | 59 |
| 20/9/2016 3:06 | 61 | 2199/2016 4:11 | 58 | 22/9/2016 5:16 | 59 |
| 20/9/2016 3:11 | 61 | 219/2016 4:16 | 60 | 22/9/2016 5:21 | 60 |
| 20/9/2016 3:16 | 60 | 219/2016 4:21 | 59 | 22/9/2016 5:26 | 61 |
| 20/9/2016 3:21 | 61 | 21/9/2016 4:26 | 59 | 22/9/2016 5:31 | 60 |
| 20/9/2016 3:26 | 59 | 21/9/2016 4:31 | 60 | 22/9/2016 5:36 | 62 |
| 20/9/2016 3:31 | 60 | 21/9/2016 4:36 | 60 | 22/9/2016 5:41 | 61 |
| 20/9/2016 3:36 | 60 | 219/2016 4:41 | 61 | 22/9/2016 5:46 | 61 |
| 20/9/2016 3:41 | 61 | 21/9/2016 4:46 | 59 | 22/9/2016 5:51 | 62 |
| 20/9/2016 3:46 | 61 | 21/9/2016 4:51 | 60 | 22/9/2016 5:56 | 61 |
| 20/9/2016 3:51 | 62 | 21/9/2016 4:56 | 60 | 22/9/2016 6:01 | 62 |
| 20/9/2016 3:56 | 62 | 21/9/2016 5:01 | 60 | 22/9/2016 6:06 | 61 |
| 20/9/2016 4:01 | 61 | 219/9016 5:06 | 60 | 22/9/2016 6:11 | 62 |
| 20/9/2016 4:06 | 60 | 21/9/2016 5:11 | 60 | 22/9/2016 6:16 | 57 |
| 20/9/2016 4:11 | 62 | 219/2016 5:16 | 61 | 22/9/2016 6:21 | 55 |
| 20/9/2016 4:16 | 61 | 21/9/2016 5:21 | 61 | 22/9/2016 6:26 | 59 |
| 20/9/2016 4:21 | 62 | 21/9/2016 5:26 | 61 | 22/9/2016 6:31 | 58 |
| 20/9/2016 4:26 | 61 | 21/9/2016 5:31 | 63 | 22/9/2016 6:36 | 61 |
| 20/9/2016 4:31 | 62 | 21/9/2016 5:36 | 62 | 22/9/2016 6:41 | 62 |
| 20/9/2016 4:36 | 62 | 21/9/2016 5:41 | 62 | 22/9/2016 6:46 | 63 |
| 20/9/2016 4:41 | 63 | 21/9/2016 5:46 | 63 | 22/9/2016 6:51 | 63 |
| 20/9/2016 4:46 | 51 | 21/9/2016 5:51 | 58 | 22/9/2016 6:56 | 64 |
| 20/9/2016 4:51 | 63 | 21/9/2016 5:56 | 63 | 22/9/2016 23:01 | 60 |
| 20/9/2016 4:56 | 63 | 21/9/2016 6:01 | 63 | 22/9/2016 23:06 | 59 |
| 20/9/2016 5:01 | 63 | 21/9/2016 6:06 | 53 | 22/9/2016 23:11 | 58 |
| 20/9/2016 5:06 | 53 | 21/9/2016 6:11 | 55 | 22/9/2016 23:16 | 60 |
| 20/9/2016 5:11 | 57 | 21/9/2016 6:16 | 62 | 22/9/2016 23:21 | 59 |
| 20/9/2016 5:16 | 63 | 21/9/2016 6:21 | 61 | 22/9/2016 23:26 | 56 |
| 20/9/2016 5:21 | 53 | 219/2016 6:26 | 62 | 22/9/2016 23:31 | 57 |
| 20/9/2016 5:26 | 56 | 21/9/2016 6:31 | 63 | 22/9/2016 23:36 | 56 |
| 20/9/2016 5:31 | 57 | 219/2016 6:36 | 63 | 22/9/2016 23:41 | 59 |
| 20/9/2016 5:36 | 57 | 21/9/2016 6:41 | 64 | 22/9/2016 23:46 | 57 |
| 20/9/2016 5:41 | 58 | 21/9/2016 6:46 | 65 | 22/9/2016 23:51 | 53 |
| 20/9/2016 5:46 | 61 | 2199/2016 6:51 | 64 | 22/9/2016 23:56 | 56 |
| 20/9/2016 5:51 | 64 | 21/9/2016 6:56 | 65 | 23/9/2016 0:01 | 57 |
| 20/9/2016 5:56 | 64 | 21/9/2016 23:01 | 59 | 23/9/2016 0:06 | 49 |
| 20/9/2016 6:01 | 62 | 21/9/2016 23:06 | 58 | 23/9/2016 0:11 | 54 |
| $\begin{aligned} & \text { 20/9/2016 6:06 } \\ & \text { 20/9/2016 6:11 } \end{aligned}$ | $\begin{aligned} & 64 \\ & 67 \end{aligned}$ | 21/9/2016 23:11 21/9/2016 23:16 | 58 60 | 23/9/2016 0:16 23/9/2016 0:21 | 55 44 |


|  |  | RTN4 (Causeway Bay Community Centre) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Real-time Noise Data Normal Day 07:00-19:00 |  | 1/9/2016 12:31 | 67 | 7/9/2016 7:01 | 66 |
|  |  | 1/9/2016 13:01 | 73 | 7/9/2016 7:31 | 65 |
| 27/8/2016 7:01 | 68 | 1/9/2016 13:31 | 76 | 7/9/2016 8:01 | 65 |
| 27/8/2016 7:31 | 68 | 1/9/2016 14:01 | 77 | 7/9/2016 8:31 | 66 |
| 27/8/2016 8:01 | 64 | 1/9/2016 14:31 | 76 | 7/9/2016 9:01 | 62 |
| 27/8/2016 8:31 | 72 | 1/9/2016 15:01 | 70 | 7/9/2016 9:31 | 66 |
| 27/8/2016 9:01 | 71 | 1/9/2016 15:31 | 59 | 7/9/2016 10:01 | 67 |
| 27/8/2016 9:31 | 72 | 1/9/2016 16:01 | 71 | 7/9/2016 10:31 | 66 |
| 27/8/2016 10:01 | 70 | 1/9/2016 16:31 | 74 | 7/9/2016 11:01 | 67 |
| 27/8/2016 10:31 | 72 | 1/9/2016 17:01 | 68 | 7/9/2016 11:31 | 62 |
| 27/8/2016 11:01 | 72 | 1/9/2016 17:31 | 69 | 7/9/2016 12:01 | 67 |
| 27/8/2016 11:31 | 70 | 1/9/2016 18:01 | 67 | 7/9/2016 12:31 | 60 |
| 27/8/2016 12:01 | 67 | 1/9/2016 18:31 | 64 | 7/9/2016 13:01 | 68 |
| 27/8/2016 12:31 | 66 | 2/9/2016 7:01 | 66 | 7/9/2016 13:31 | 67 |
| 27/8/2016 13:01 | 73 | 2/9/2016 7:31 | 66 | 7/9/2016 14:01 | 65 |
| 27/8/2016 13:31 | 71 | 2/9/2016 8:01 | 68 | 7/9/2016 14:31 | 62 |
| 27/8/2016 14:01 | 70 | 2/9/2016 8:31 | 64 | 7/9/2016 15:01 | 60 |
| 27/8/2016 14:31 | 67 | 2/9/2016 9:01 | 69 | 7/9/2016 15:31 | 61 |
| 27/8/2016 15:01 | 66 | 2/9/2016 9:31 | 69 | 7/9/2016 16:01 | 64 |
| 27/8/2016 15:31 | 68 | 2/9/2016 10:01 | 65 | 7/9/2016 16:31 | 67 |
| 27/8/2016 16:01 | 67 | 2/9/2016 10:31 | 68 | 7/9/2016 17:01 | 68 |
| 27/8/2016 16:31 | 68 | 2/9/2016 11:01 | 66 | 7/9/2016 17:31 | 68 |
| 27/8/2016 17:01 | 67 | 2/9/2016 11:31 | 67 | 7/9/2016 18:01 | 66 |
| 27/8/2016 17:31 | 66 | 2/9/2016 12:01 | 68 | 7/9/2016 18:31 | 65 |
| 27/8/2016 18:01 | 66 | 2/9/2016 12:31 | 67 | 8/9/2016 7:01 | 66 |
| 27/8/2016 18:31 | 67 | 2/9/2016 13:01 | 69 | 8/9/2016 7:31 | 66 |
| 29/8/2016 7:01 | 66 | 2/9/2016 13:31 | 69 | 8/9/2016 8:01 | 65 |
| 29/8/2016 7:31 | 66 | 2/9/2016 14:01 | 63 | 8/9/2016 8:31 | 66 |
| 29/8/2016 8:01 | 65 | 2/9/2016 14:31 | 64 | 8/9/2016 9:01 | 66 |
| 29/8/2016 8:31 | 65 | 2/9/2016 15:01 | 65 | 8/9/2016 9:31 | 68 |
| 29/8/2016 9:01 | 71 | 2/9/2016 15:31 | 57 | 8/9/2016 10:01 | 77 |
| 29/8/2016 9:31 | 69 | 2/9/2016 16:01 | 62 | 89/2016 10:31 | 77 |
| 29/8/2016 10:01 | 57 | 2/9/2016 16:31 | 68 | 8/9/2016 11:01 | 72 |
| 29/8/2016 10:31 | 69 | 2/9/2016 17:01 | 67 | 8/9/2016 11:31 | 68 |
| 29/8/2016 11:01 | 67 | 2/9/2016 17:31 | 67 | 8/9/2016 12:01 | 68 |
| 29/8/2016 11:31 | 65 | 2/9/2016 18:01 | 66 | 8/9/2016 12:31 | 66 |
| 29/8/2016 12:01 | 67 | 2/9/2016 18:31 | 62 | 8/9/2016 13:01 | 76 |
| 29/8/2016 12:31 | 68 | 3/9/2016 7:01 | 67 | 8/9/2016 13:31 | 71 |
| 29/8/2016 13:01 | 66 | 3/9/2016 7:31 | 67 | 8/9/2016 14:01 | 78 |
| 29/8/2016 13:31 | 70 | 3/9/2016 8:01 | 59 | 8/9/2016 14:31 | 74 |
| 29/8/2016 14:01 | 70 | 3/9/2016 8:31 | 67 | 89/2016 15:01 | 64 |
| 29/8/2016 14:31 | 74 | 3/9/2016 9:01 | 66 | 8/9/2016 15:31 | 67 |
| 29/8/2016 15:01 | 62 | 3/9/2016 9:31 | 58 | 89/2016 16:01 | 70 |
| 29/8/2016 15:31 | 61 | 3/9/2016 10:01 | 68 | 8/9/2016 16:31 | 70 |
| 29/8/2016 16:01 | 71 | 3/9/2016 10:31 | 64 | 8/9/2016 17:01 | 4 |
| 29/8/2016 16:31 | 68 | 3/9/2016 11:01 | 61 | 8/9/2016 17:31 | 69 |
| 29/8/2016 17:01 | 65 | 3/9/2016 11:31 | 58 | 89/2016 18:01 | 66 |
| 29/8/2016 17:31 | 68 | 3/9/2016 12:01 | 56 | 8/9/2016 18:31 | 64 |
| 29/8/2016 18:01 | 68 | 3/9/2016 12:31 | 68 | 9/9/2016 7:01 | 65 |
| 29/8/2016 18:31 | 67 | 3/9/2016 13:01 | 68 | 9/9/2016 7:31 | 67 |
| 30/8/2016 7:01 | 68 | 3/9/2016 13:31 | 62 | 9/9/2016 8:01 | 66 |
| 30/8/2016 7:31 | 66 | 3/9/2016 14:01 | 68 | 9/9/2016 8:31 | 66 |
| 30/8/2016 8:01 | 67 | 3/9/2016 14:31 | 67 | 9/9/2016 9:01 | 68 |
| 30/8/2016 8:31 | 66 | 3/9/2016 15:01 | 65 | 9/9/2016 9:31 | 55 |
| 30/8/2016 9:01 | 69 | 3/9/2016 15:31 | 71 | 9/9/2016 10:01 | 69 |
| 30/8/2016 9:31 | 66 | 3/9/2016 16:01 | 69 | 9/9/2016 10:31 | 56 |
| 30/8/2016 10:01 | 66 | 3/9/2016 16:31 | 69 | 9/9/2016 11:01 | 71 |
| 30/8/2016 10:31 | 69 | 3/9/2016 17:01 | 65 | 9/9/2016 11:31 | 66 |
| 30/8/2016 11:01 | 65 | 3/9/2016 17:31 | 52 | 9/9/2016 12:01 | 67 |
| 30/8/2016 11:31 | 68 | 3/9/2016 18:01 | 67 | 9/9/2016 12:31 | 67 |
| 30/8/2016 12:01 | 66 | 3/9/2016 18:31 | 65 | 9/9/2016 13:01 | 68 |
| 30/8/2016 12:31 | 67 | 5/9/2016 7:01 | 66 | 9/9/2016 13:31 | 56 |
| 30/8/2016 13:01 | 68 | 5/9/2016 7:31 | 65 | 9/9/2016 14:01 | 65 |
| 30/8/2016 13:31 | 69 | 5/9/2016 8:01 | 66 | 9/9/2016 14:31 | 66 |
| 30/8/2016 14:01 | 73 | 5/9/2016 8:31 | 67 | 9/9/2016 15:01 | 53 |
| 30/8/2016 14:31 | 71 | 5/9/2016 9:01 | 67 | 9/9/2016 15:31 | 68 |
| 30/8/2016 15:01 | 65 | 5/9/2016 9:31 | 67 | 9/9/2016 16:01 | 60 |
| 30/8/2016 15:31 | 69 | 5/9/2016 10:01 | 65 | 9/9/2016 16:31 | 68 |
| 30/8/2016 16:01 | 69 | 5/9/2016 10:31 | 68 | 9/9/2016 17:01 | 73 |
| 30/8/2016 16:31 | 63 | 5/9/2016 11:01 | 54 | 9/9/2016 17:31 | 69 |
| 30/8/2016 17:01 | 66 | 5/9/2016 11:31 | 65 | 9/9/2016 18:01 | 64 |
| 30/8/2016 17:31 | 67 | 5/9/2016 12:01 | 61 | 9/9/2016 18:31 | 62 |
| 30/8/2016 18:01 | 66 | 5/9/2016 12:31 | 66 | 10/9/2016 7:01 | 66 |
| 30/8/2016 18:31 | 64 | 5/9/2016 13:01 | 64 | 10/9/2016 7:31 | 67 |
| 31/8/2016 7:01 | 67 | 5/9/2016 13:31 | 61 | 10/9/2016 8:01 | 58 |
| 31/8/2016 7:31 | 67 | 5/9/2016 14:01 | 64 | 10/9/2016 8:31 | 67 |
| 31/8/2016 8:01 | 67 | 5/9/2016 14:31 | 58 | 10/9/2016 9:01 | 68 |
| 31/8/2016 8:31 | 67 | 5/9/2016 15:01 | 68 | 10/9/2016 9:31 | 50 |
| 31/8/2016 9:01 | 73 | 5/9/2016 15:31 | 68 | 10/9/2016 10:01 | 65 |
| 31/8/2016 9:31 | 72 | 5/9/2016 16:01 | 60 | 10/9/2016 10:31 | 61 |
| 31/8/2016 10:01 | 72 | 5/9/2016 16:31 | 65 | 10/9/2016 11:01 | 68 |
| 31/8/2016 10:31 | 69 | 5/9/2016 17:01 | 67 | 10/9/2016 11:31 | 68 |
| 31/8/2016 11:01 | 72 | 5/9/2016 17:31 | 68 | 10/9/2016 12:01 | 66 |
| 31/8/2016 11:31 | 65 | 5/9/2016 18:01 | 67 | 10/9/2016 12:31 | 67 |
| 31/8/2016 12:01 | 67 | 5/9/2016 18:31 | 64 | 10/9/2016 13:01 | 68 |
| 31/8/2016 12:31 | 68 | 6/9/2016 7:01 | 65 | 10/9/2016 13:31 | 71 |
| 31/8/2016 13:01 | 69 | 6/9/2016 7:31 | 65 | 10/9/2016 14:01 | 67 |
| 31/8/2016 13:31 | 71 | 6/9/2016 8:01 | 64 | 10/9/2016 14:31 | 65 |
| 31/8/2016 14:01 | 71 | 6/9/2016 8:31 | 67 | 10/9/2016 15:01 | 61 |
| 31/8/2016 14:31 | 72 | 6/9/2016 9:01 | 70 | 10/9/2016 15:31 | 69 |
| 31/8/2016 15:01 | 70 | 6/9/2016 9:31 | 68 | 10/9/2016 16:01 | 68 |
| 31/8/2016 15:31 | 60 | 6/9/2016 10:01 | 70 | 10/9/2016 16:31 | 67 |
| 31/8/2016 16:01 | 71 | 6/9/2016 10:31 | 69 | 10/9/2016 17:01 | 67 |
| 31/8/2016 16:31 | 68 | 6/9/2016 11:01 | 69 | 10/9/2016 17:31 | 67 |
| 31/8/2016 17:01 | 68 | 6/9/2016 11:31 | 68 | 10/9/2016 18:01 | 65 |
| 31/8/2016 17:31 | 49 | 6/9/2016 12:01 | 68 | 10/9/2016 18:31 | 66 |
| 31/8/2016 18:01 | 68 | 6/9/2016 12:31 | 63 | 12/9/2016 7:01 | 65 |
| 31/8/2016 18:31 | 67 | 6/9/2016 13:01 | 67 | 12/9/2016 7:31 | 64 |
| 1/9/2016 7:01 | 68 | 6/9/2016 13:31 | 66 | 12/9/2016 8:01 | 65 |
| 1/9/2016 7:31 | 66 | 6/9/2016 14:01 | 67 | 12/9/2016 8:31 | 67 |
| 1/9/2016 8:01 | 68 | 6/9/2016 14:31 | 62 | 12/9/2016 9:01 | 55 |
| 1/9/2016 8:31 | 68 | 6/9/2016 15:01 | 62 | 12/9/2016 9:31 | 67 |
| 1/9/2016 9:01 | 70 | 6/9/2016 15:31 | 68 | 12/9/2016 10:01 | 70 |
| 1/9/2016 9:31 | 73 | 6/9/2016 16:01 | 68 | 12/9/2016 10:31 | 69 |
| 1/9/2016 10:01 | 76 | 6/9/2016 16:31 | 60 | 12/9/2016 11:01 | 67 |
| 1/9/2016 10:31 | 74 | 6/9/2016 17:01 | 67 | 12/9/2016 11:31 | 65 |
| 1/9/2016 11:01 | 72 | 6/9/2016 17:31 | 68 | 12/9/2016 12:01 | 63 |
| $\begin{aligned} & \text { 1/9/2016 11:31 } \\ & \text { 1/9/2016 12:01 } \end{aligned}$ | $\begin{aligned} & 67 \\ & 67 \end{aligned}$ | 6/9/2016 18:01 6/9/2016 18:31 | $\begin{aligned} & 67 \\ & 67 \end{aligned}$ | 129/92016 12:31 12/9/2016 13:01 | 64 |

12/9/2016 13:31 66 12/9/2016 14:01 6 12/9/2016 14:31 67 12/9/2016 15:01 67 12/9/2016 15:31 67 12/9/2016 16:01 68 12/9/2016 16:31 69 12/9/2016 17:01 12/9/2016 17:31 12/9/2016 18:01 12/9/2016 18:31 6 13/9/2016 7:01 13/9/2016 7:31 13/9/2016 8:01 13/9/2016 8:31 13/9/2016 9:01 3/9/2016 0.31 69 3/9/2016 10:01 65 13/9/2016 10:01 6 3/9/2016 11:01 13/9/2016 11:01 13/9/2016 11:31 /912016 12:01 66 3/9/2016 12:31 65 3/9/2016 13:01 62 3/9/2016 13:31 70 3/9/2016 14:31 72 13/9/2016 15:01 13/9/2016 15:31 13/9/2016 16:01 13/9/2016 16:31 13/9/2016 17:01 6 3/9/2016 17:31 68 13/9/2016 18:01 68 13/9/2016 18:31 66 14/9/2016 7:01 14/9/2016 7:31 14/9/2016 8:01 4/9/2016 8:31 4/9/2016 9.01 14/9/2016 9:31 14/9/2016 10:01 61 4/9/2016 10:31 67 14/9/2016 11:01 68 14/9/2016 11:31 68 4/9/2016 12:01 66 14/9/2016 12:31 66 14/9/2016 13:01 14/9/2016 13:31 14/9/2016 14:01 14/9/2016 14:31 14/9/2016 15:01 14/9/2016 15:31 61 14/9/2016 16:01 67 14/9/2016 16.31 65 4/9/2016 17:01 67 14/9/2016 17:31 65 4/9/2016 $18: 01$ 4/9/2016 18:31 15/9/2016 7:01 15/9/2016 7:31 15/9/2016 8:01 5/9/2016 8:31 15/9/2016 9:01 60 15/9/2016 9:31 67 5/9/2016 10:01 5/9/2016 10:31 15/9/2016 11:01 15/9/2016 11:31 15/9/2016 12:01 15/9/2016 12:31 15/9/2016 13:01 15/9/2016 13:31 63 15/9/2016 14:01 60 5/9/2016 14:31 60 5/9/2016 15:01 68 15/9/2016 15:31 68 5/9/2016 16:01 15/9/2016 16:31 15/9/2016 17:01 63 15/9/2016 17:31 15/9/2016 18:01 5/9/2016 18:31 7/9/2016 7:01 65 7/9/2016 7:31 7/9/2016 8:01 17/9/2016 8:31 5 17/9/2016 9:01 17/9/2016 9:31 17/9/2016 10:01 17/9/2016 10:31 17/9/2016 11:01 17/9/2016 11:31 17/9/2016 12:01 66 17/9/2016 12:31 65 17/9/2016 13:01 70 17/9/2016 13:31 71 7/9/2016 14:01 70 7/9/2016 14:31 70 7/9/2016 15:01 17/9/2016 15:31 17/9/2016 16:01 17/9/2016 16:31 72 17/9/2016 17:01 69 17/9/2016 17:31 68 17/9/2016 18:01 67 17/9/2016 18:31 66 19/9/2016 7:31 64
 Normal Day 19:00-23:00, Sunday \& Holiday 07:00-23:00

27/8/2016 19:01 64 27/8/2016 19:06 65 27/8/2016 19:11 66 27/8/2016 19:16 64 27/8/2016 19:21 64 27/8/2016 19:26 61 27/8/2016 19:31 27/8/2016 19:36 27/8/2016 19:41 27/8/2016 19:46 27/8/2016 19:56 27/8/2016 19:56 66 27/8/2016 20:01 64 27/8/2016 20:06 63 27/8/2016 20:16 27/8/2016 20:21 27/8/2016 20:26 27/8/2016 20:31 27/8/2016 20:36 27/8/2016 20:41 27/8/2016 20:46 63 27/8/2016 20:51 63 27/8/2016 20:56 63 27/8/2016 21:01 64 27/8/2016 21:06 64 27/8/2016 21:11 27/8/2016 21:16 27/8/2016 21:21 27/8/2016 21:31 27/8/2016 21:36 27/8/2016 21:41 63 27/8/2016 21:46 63 27/8/2016 21:51 63 27/8/2016 21:56 64 27/8/2016 22:01 66 27/8/2016 22:06 66 27/8/2016 22:11 65 27/8/2016 22:16 27/8/2016 22:21 63 27/8/2016 22:26 63 27/8/2016 22:31 27/8/2016 22:36 64 27/8/2016 22:41 64 27/8/2016 22:51 66

| Real-time Noise | Data | 4 (Causeway Ba | Co | entre) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27/8/2016 22:56 | 66 | 28/8/2016 16:01 | 65 | 29/8/2016 21:06 | 66 | 31/8/2016 22:11 | 3 |
| 28/8/2016 7:01 | 61 | 28/8/2016 16:06 | 64 | 29/8/2016 21:11 | 66 | 31/8/2016 22:16 | 64 |
| 28/8/2016 7:06 | 66 | 28/8/2016 16:11 | 65 | 29/8/2016 21:16 | 62 | 31/8/2016 22:21 | 63 |
| 28/8/2016 7:11 | 61 | 28/8/2016 16:16 | 67 | 29/8/2016 21:21 | 61 | 31/8/2016 22:26 | 3 |
| 28/8/2016 7:16 | 59 | 28/8/2016 16:21 | 66 | 29/8/2016 21:26 | 64 | 31/8/2016 22:31 | 63 |
| 28/8/2016 7:21 | 62 | 28/8/2016 16:26 | 66 | 29/8/2016 21:31 | 66 | 31/8/2016 22:36 | 63 |
| 28/8/2016 7:26 | 65 | 28/8/2016 16:31 | 66 | 29/8/2016 21:36 | 66 | 31/8/2016 22:4 | 62 |
| 28/8/2016 7:31 | 65 | 28/8/2016 16:36 | 66 | 29/8/2016 21:41 | 66 | 31/8/2016 22:46 | 64 |
| 28/8/2016 7:36 | 65 | 28/8/2016 16:41 | 66 | 29/8/2016 21:46 | 66 | 31/8/2016 22:51 | 63 |
| 28/8/2016 7:41 | 65 | 28/8/2016 16:46 | 67 | 29/8/2016 21:51 | 66 | 31/8/2016 22:56 | 61 |
| 28/8/2016 7:46 | 64 | 28/8/2016 16:51 | 67 | 29/8/2016 21:56 | 64 | 1/9/2016 19:01 | 62 |
| 28/8/2016 7:51 | 63 | 28/8/2016 16:56 | 66 | 29/8/2016 22:01 | 62 | 1/9/2016 19:06 | 2 |
| 28/8/2016 7:56 | 64 | 28/8/2016 17:01 | 67 | 29/8/2016 22:06 | 62 | 1/9/2016 19:11 | 63 |
| 28/8/2016 8:01 | 64 | 28/8/2016 17:06 | 66 | 29/8/2016 22:11 | 62 | 1/9/2016 19:16 | 67 |
| 28/8/2016 8:06 | 64 | 28/8/2016 17:11 | 66 | 29/8/2016 22:16 | 62 | 1/9/2016 19:21 | 66 |
| 28/8/2016 8:11 | 64 | 28/8/2016 17:16 | 66 | 29/8/2016 22:21 | 62 | 1/9/2016 19:26 | 67 |
| 28/8/2016 8:16 | 64 | 28/8/2016 17:21 | 66 | 29/8/2016 22:26 | 62 | 1/9/2016 19:31 | 66 |
| 28/8/2016 8:21 | 64 | 28/8/2016 17:26 | 66 | 29/8/2016 22:31 | 63 | 1/9/2016 19:36 | 66 |
| 28/8/2016 8:26 | 65 | 28/8/2016 17:31 | 65 | 29/8/2016 22:36 | 62 | 1/9/2016 19:41 | 67 |
| 28/8/2016 8:31 | 65 | 28/8/2016 17:36 | 67 | 29/8/2016 22:41 | 64 | 1/9/2016 19:46 | 67 |
| 28/8/2016 8:36 | 65 | 28/8/2016 17:41 | 66 | 29/8/2016 22:46 | 62 | 1/9/2016 19:51 | 67 |
| 28/8/2016 8:41 | 65 | 28/8/2016 17:46 | 67 | 29/8/2016 22:51 | 61 | 1/9/2016 19:56 | 67 |
| 28/8/2016 8:46 | 65 | 28/8/2016 17:51 | 66 | 29/8/2016 22:56 | 60 | 1/9/2016 20:01 | 67 |
| 28/8/2016 8:51 | 65 | 28/8/2016 17:56 | 67 | 30/8/2016 19:01 | 63 | 1/9/2016 20:06 | 67 |
| 28/8/2016 8:56 | 63 | 28/8/2016 18:01 | 67 | 30/8/2016 19:06 | 67 | 1/9/2016 20:11 | 66 |
| 28/8/2016 9:01 | 64 | 28/8/2016 18:06 | 67 | 30/8/2016 19:11 | 67 | 1/9/2016 20:16 | 65 |
| 28/8/2016 9:06 | 65 | 28/8/2016 18:11 | 67 | 30/8/2016 19:16 | 66 | 1/9/2016 20:21 | 65 |
| 28/8/2016 9:11 | 66 | 28/8/2016 18:16 | 67 | 30/8/2016 19:21 | 66 | 1/9/2016 20:26 | 65 |
| 28/8/2016 9:16 | 68 | 28/8/2016 18:21 | 66 | 30/8/2016 19:26 | 66 | 1/9/2016 20:31 | 65 |
| 28/8/2016 9:21 | 67 | 28/8/2016 18:26 | 66 | 30/8/2016 19:31 | 66 | 1/9/2016 20:36 | 66 |
| 28/8/2016 9:26 | 67 | 28/8/2016 18:31 | 59 | 30/8/2016 19:36 | 66 | 1/9/2016 20:41 | 66 |
| 28/8/2016 9:31 | 67 | 28/8/2016 18:36 | 60 | 30/8/2016 19:41 | 66 | 1/9/2016 20:46 | 66 |
| 28/8/2016 9:36 | 67 | 28/8/2016 18:41 | 63 | 30/8/2016 19:46 | 66 | 1/9/2016 20:51 | 67 |
| 28/8/2016 9:41 | 67 | 28/8/2016 18:46 | 64 | 30/8/2016 19:51 | 66 | 1/9/2016 20:56 | 67 |
| 28/8/2016 9:46 | 64 | 28/8/2016 18:51 | 65 | 30/8/2016 19:56 | 66 | 1/9/2016 21:01 | 65 |
| 28/8/2016 9:51 | 66 | 28/8/2016 18:56 | 66 | 30/8/2016 20:01 | 66 | 1/9/2016 21:06 | 65 |
| 28/8/2016 9:56 | 66 | 28/8/2016 19:01 | 66 | 30/8/2016 20:06 | 66 | 1/9/2016 21:11 | 64 |
| 28/8/2016 10:01 | 66 | 28/8/2016 19:06 | 66 | 30/8/2016 20:11 | 66 | 1/9/2016 21:16 | 65 |
| 28/8/2016 10:06 | 66 | 28/8/2016 19:11 | 66 | 30/8/2016 20:16 | 67 | 1/9/2016 21:21 | 64 |
| 28/8/2016 10:11 | 66 | 28/8/2016 19:16 | 65 | 30/8/2016 20:21 | 66 | 1/9/2016 21:26 | 66 |
| 28/8/2016 10:16 | 67 | 28/8/2016 19:21 | 67 | 30/8/2016 20:26 | 66 | 1/9/2016 21:31 | 67 |
| 28/8/2016 10:21 | 66 | 28/8/2016 19:26 | 66 | 30/8/2016 20:31 | 66 | 1/9/2016 21:36 | 66 |
| 28/8/2016 10:26 | 66 | 28/8/2016 19:31 | 66 | 30/8/2016 20:36 | 67 | 1/9/2016 21:41 | 66 |
| 28/8/2016 10:31 | 66 | 28/8/2016 19:36 | 66 | 30/8/2016 20:41 | 66 | 1/9/2016 21:46 | 65 |
| 28/8/2016 10:36 | 66 | 28/8/2016 19:41 | 66 | 30/8/2016 20:46 | 65 | 1/9/2016 21:51 | 65 |
| 28/8/2016 10:41 | 65 | 28/8/2016 19:46 | 63 | 30/8/2016 20:51 | 66 | 1/9/2016 21:56 | 65 |
| 28/8/2016 10:46 | 64 | 28/8/2016 19:51 | 63 | 30/8/2016 20:56 | 66 | 1/9/2016 22:01 | 65 |
| 28/8/2016 10:51 | 63 | 28/8/2016 19:56 | 63 | 30/8/2016 21:01 | 66 | 1/9/2016 22:06 | 3 |
| 28/8/2016 10:56 | 62 | 28/8/2016 20:01 | 62 | 30/8/2016 21:06 | 65 | 1/9/2016 22:11 | 64 |
| 28/8/2016 11:01 | 64 | 28/8/2016 20:06 | 62 | 30/8/2016 21:11 | 65 | 1/9/2016 22:16 | 65 |
| 28/8/2016 11:06 | 65 | 28/8/2016 20:11 | 61 | 30/8/2016 21:16 | 65 | 1/9/2016 22:21 | 65 |
| 28/8/2016 11:11 | 64 | 28/8/2016 20:16 | 64 | 30/8/2016 21:21 | 65 | 1/9/2016 22:26 | 64 |
| 28/8/2016 11:16 | 63 | 28/8/2016 20:21 | 61 | 30/8/2016 21:26 | 65 | 1/9/2016 22:31 | 64 |
| 28/8/2016 11:21 | 63 | 28/8/2016 20:26 | 63 | 30/8/2016 21:31 | 64 | 1/9/2016 22:36 | 64 |
| 28/8/2016 11:26 | 62 | 28/8/2016 20:31 | 61 | 30/8/2016 21:36 | 63 | 1/9/2016 22:41 | 65 |
| 28/8/2016 11:31 | 62 | 28/8/2016 20:36 | 62 | 30/8/2016 21:41 | 63 | 1/9/2016 22:46 | 64 |
| 28/8/2016 11:36 | 58 | 28/8/2016 20:41 | 63 | 30/8/2016 21:46 | 62 | 1/9/2016 22:51 | 65 |
| 28/8/2016 11:41 | 63 | 28/8/2016 20:46 | 61 | 30/8/2016 21:51 | 62 | 1/9/2016 22:56 | 63 |
| 28/8/2016 11:46 | 61 | 28/8/2016 20:51 | 62 | 30/8/2016 21:56 | 65 | 2/9/2016 19:01 | 61 |
| 28/8/2016 11:51 | 63 | 28/8/2016 20:56 | 63 | 30/8/2016 22:01 | 62 | 2/9/2016 19:06 | 61 |
| 28/8/2016 11:56 | 62 | 28/8/2016 21:01 | 62 | 30/8/2016 22:06 | 62 | 2/9/2016 19:11 | 62 |
| 28/8/2016 12:01 | 62 | 28/8/2016 21:06 | 62 | 30/8/2016 22:11 | 63 | 2/9/2016 19:16 | 62 |
| 28/8/2016 12:06 | 64 | 28/8/2016 21:11 | 62 | 30/8/2016 22:16 | 62 | 2/9/2016 19:21 | 64 |
| 28/8/2016 12:11 | 59 | 28/8/2016 21:16 | 63 | 30/8/2016 22:21 | 61 | 2/9/2016 19:26 | 63 |
| 28/8/2016 12:16 | 58 | 28/8/2016 21:21 | 62 | 30/8/2016 22:26 | 63 | 2/9/2016 19:31 | 64 |
| 28/8/2016 12:21 | 63 | 28/8/2016 21:26 | 62 | 30/8/2016 22:31 | 61 | 2/9/2016 19:36 | 62 |
| 28/8/2016 12:26 | 61 | 28/8/2016 21:31 | 62 | 30/8/2016 22:36 | 63 | 2/9/2016 19:41 | 63 |
| 28/8/2016 12:31 | 66 | 28/8/2016 21:36 | 63 | 30/8/2016 22:41 | 63 | 2/9/2016 19:46 | 64 |
| 28/8/2016 12:36 | 66 | 28/8/2016 21:41 | 61 | 30/8/2016 22:46 | 63 | 2/9/2016 19:51 | 67 |
| 28/8/2016 12:41 | 66 | 28/8/2016 21:46 | 61 | 30/8/2016 22:51 | 62 | 2/9/2016 19:56 | 67 |
| 28/8/2016 12:46 | 64 | 28/8/2016 21:51 | 60 | 30/8/2016 22:56 | 61 | 2/9/2016 20:01 | 67 |
| 28/8/2016 12:51 | 65 | 28/8/2016 21:56 | 65 | 31/8/2016 19:01 | 63 | 2/9/2016 20:06 | 66 |
| 28/8/2016 12:56 | 65 | 28/8/2016 22:01 | 63 | 31/8/2016 19:06 | 63 | 2/9/2016 20:11 | 66 |
| 28/8/2016 13:01 | 66 | 28/8/2016 22:06 | 61 | 31/8/2016 19:11 | 65 | 2/9/2016 20:16 | 66 |
| 28/8/2016 13:06 | 66 | 28/8/2016 22:11 | 60 | 31/8/2016 19:16 | 66 | 2/9/2016 20:21 | 66 |
| 28/8/2016 13:11 | 66 | 28/8/2016 22:16 | 60 | 31/8/2016 19:21 | 66 | 2/9/2016 20:26 | 67 |
| 28/8/2016 13:16 | 66 | 28/8/2016 22:21 | 61 | 31/8/2016 19:26 | 66 | 2/9/2016 20:31 | 66 |
| 28/8/2016 13:21 | 66 | 28/8/2016 22:26 | 63 | 31/8/2016 19:31 | 66 | 2/9/2016 20:36 | 67 |
| 28/8/2016 13:26 | 66 | 28/8/2016 22:31 | 61 | 31/8/2016 19:36 | 66 | 2/9/2016 20:41 | 65 |
| 28/8/2016 13:31 | 66 | 28/8/2016 22:36 | 63 | 31/8/2016 19:41 | 66 | 2/9/2016 20:46 | 65 |
| 28/8/2016 13:36 | 65 | 28/8/2016 22:41 | 63 | 31/8/2016 19:46 | 66 | 2/9/2016 20:51 | 64 |
| 28/8/2016 13:41 | 65 | 28/8/2016 22:46 | 64 | 31/8/2016 19:51 | 66 | 2/9/2016 20:56 | 64 |
| 28/8/2016 13:46 | 66 | 28/8/2016 22:51 | 61 | 31/8/2016 19:56 | 66 | 2/9/2016 21:01 | 66 |
| 28/8/2016 13:51 | 66 | 28/8/2016 22:56 | 62 | 31/8/2016 20:01 | 66 | 2/9/2016 21:06 | 66 |
| 28/8/2016 13:56 | 66 | 29/8/2016 19:01 | 65 | 31/8/2016 20:06 | 66 | 2/9/2016 21:11 | 66 |
| 28/8/2016 14:01 | 67 | 29/8/2016 19:06 | 66 | 31/8/2016 20:11 | 66 | 2/9/2016 21:16 | 64 |
| 28/8/2016 14:06 | 67 | 29/8/2016 19:11 | 66 | 31/8/2016 20:16 | 66 | 2/9/2016 21:21 | 64 |
| 28/8/2016 14:11 | 66 | 29/8/2016 19:16 | 67 | 31/8/2016 20:21 | 66 | 2/9/2016 21:26 | 64 |
| 28/8/2016 14:16 | 68 | 29/8/2016 19:21 | 66 | 31/8/2016 20:26 | 65 | 2/9/2016 21:31 | 64 |
| 28/8/2016 14:21 | 70 | 29/8/2016 19:26 | 66 | 31/8/2016 20:31 | 65 | 2/9/2016 21:36 | 65 |
| 28/8/2016 14:26 | 66 | 29/8/2016 19:31 | 66 | 31/8/2016 20:36 | 65 | 2/9/2016 21:41 | 64 |
| 28/8/2016 14:31 | 66 | 29/8/2016 19:36 | 66 | 31/8/2016 20:41 | 66 | 2/9/2016 21:46 | 63 |
| 28/8/2016 14:36 | 66 | 29/8/2016 19:41 | 66 | 31/8/2016 20:46 | 66 | 2/9/2016 21:51 | 63 |
| 28/8/2016 14:41 | 67 | 29/8/2016 19:46 | 67 | 31/8/2016 20:51 | 66 | 2/9/2016 21:56 | 64 |
| 28/8/2016 14:46 | 66 | 29/8/2016 19:51 | 67 | 31/8/2016 20:56 | 65 | 2/9/2016 22:01 | 64 |
| 28/8/2016 14:51 | 66 | 29/8/2016 19:56 | 66 | 31/8/2016 21:01 | 65 | 2/9/2016 22:06 | 65 |
| 28/8/2016 14:56 | 66 | 29/8/2016 20:01 | 66 | 31/8/2016 21:06 | 65 | 2/9/2016 22:11 | 65 |
| 28/8/2016 15:01 | 66 | 29/8/2016 20:06 | 66 | 31/8/2016 21:11 | 66 | 2/9/2016 22:16 | 65 |
| 28/8/2016 15:06 | 66 | 29/8/2016 20:11 | 66 | 31/8/2016 21:16 | 66 | 2/9/2016 22:21 | 63 |
| 28/8/2016 15:11 | 66 | 29/8/2016 20:16 | 66 | 31/8/2016 21:21 | 66 | 2/9/2016 22:26 | 63 |
| 28/8/2016 15:16 | 67 | 29/8/2016 20:21 | 66 | 31/8/2016 21:26 | 65 | 2/9/2016 22:31 | 63 |
| 28/8/2016 15:21 | 67 | 29/8/2016 20:26 | 66 | 31/8/2016 21:31 | 66 | 2/9/2016 22:36 | 62 |
| 28/8/2016 15:26 | 67 | 29/8/2016 20:31 | 66 | 31/8/2016 21:36 | 65 | 2/9/2016 22:41 | 65 |
| 28/8/2016 15:31 | 66 | 29/8/2016 20:36 | 65 | 31/8/2016 21:41 | 65 | 2/9/2016 22:46 | 64 |
| 28/8/2016 15:36 | 65 | 29/8/2016 20:41 | 66 | 31/8/2016 21:46 | 65 | 2/9/2016 22:51 | 63 |
| 28/8/2016 15:41 | 66 | 29/8/2016 20:46 | 66 | 31/8/2016 21:51 | 63 | 2/9/2016 22:56 | 63 |
| 28/8/2016 15:46 | 66 | 29/8/2016 20:51 |  | 31/8/2016 21:56 | 63 | 3/9/2016 19:01 | 55 |
| 28/8/2016 15:51 | 66 67 | 29/8/2016 20:56 |  | 31/8/2016 22:01 31/8/2016 22:06 | 63 63 | 3/9/2016 19:06 3/9/2016 19:11 | 57 55 |


|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $6 / 9 / 2016$ | $22: 31$ |  |  |  |
| 6/9/2016 22:36 | 64 |  |  |  |
| 65 | $9 / 9 / 2016$ |  |  |  |
| 19:36 |  |  |  |  | 9/9/2016 19:41 9/9/2016 19:46 9/9/2016 19:51 9/9/2016 19:56 9/9/2016 20:01 9/9/2016 20:06 9/9/2016 20:11 9/9/2016 20:21 9/9/2016 20:26 9/9/2016 20:31 9/9/2016 20:36 9/9/2016 20:41 9/9/2016 20:46 9/9/2016 20:56 9/9/2016 21:01 9/9/2016 21:06 9/9/2016 21:11 9/9/2016 21:16 9/9/2016 21:21 9/9/2016 21:31 9/9/2016 21:36 9/9/2016 21:41 9/9/2016 21:51 9/9/2016 21:56 9/9/2016 22:01 9/9/2016 22:06 9/9/2016 22:11 9/9/2016 22:16 9/9/2016 22:21 9/9/2016 22:26 9/9/2016 22:31 9/9/2016 22:36 9/9/2016 22:41 9/9/2016 22:46 9/9/2016 22:51 9/9/2016 22:56 10/9/2016 19:01 10/9/2016 19:06 63 10/9/2016 19:11 60 10/9/2016 19:16 63 10/9/2016 19:21 60 10/9/2016 19:31 60 10/9/2016 19:36 10/9/2016 19:41 10/9/2016 19:51 10/9/2016 19:56 10/9/2016 20:01 6 10/9/2016 20:06 64 10/9/2016 20:11 65 10/9/2016 20:16 64 10/9/2016 20:21 65 10/9/2016 20:26 65 10/9/2016 20:31 10/9/2016 20:36 10/9/2016 20:41 10/9/2016 20:46 64 10/2016 20:51 63 10/9/2016 20:56 63 10/9/2016 21:01 64 10/9/2016 21:06 10/9/2016 21:11 10/9/2016 21.21 10/9/2016 21:26 10/9/2016 21:31 10/9/2016 21:36 10/9/2016 21:41 10/9/2016 21:46 10/9/2016 21:51 66 10/9/2016 21.56 64 10/9/2016 22:01 65 10/9/2016 22:06 65 10/9/2016 22:06 10/9/2016 22:11 10/9/2016 22:16 10/9/2016 22:21 10/9/2016 22:26 10/9/2016 22:31 10/9/2016 22:36 65 10/9/2016 22:41 64 10/9/2016 22:46 64 10/9/2016 22:51 65 10/9/2016 22:56 11/9/2016 7:01 11/9/2016 7:06 11/9/2016 7:11 11/9/2016 7:21 11/9/2016 7:2 7.26 11/9/2016 7.31 11/9/2016 7:3 11/9/2016 7:4 11/9/2016 7:46 11/9/2016 7:5 11/9/2016 7:56 11/9/2016 8:0 11/9/2016 8:06 $11 / 9 / 20168: 11$

$11 / 9 / 20168: 16$ 11/9/2016 8.21 11/9/2016 8:26 11/9/2016 8:31 11/9/2016 8:36

11/9/2016 8:41 6 11/9/2016 8:46 11/9/2016 8: 11/9/2016 8:56 11/9/2016 9:01 11/9/2016 9:06 11/9/2016 9:11 11/9/2016 9:16 11/9/2016 9:21 11/9/2016 9:26 11/9/2016 9:31 11/9/2016 9:36 11/9/2016 9:31 11/9/2016 9:41 11/9/2016 9:46 11/9/2016 9:51 11/9/2016 9:56 11/9/2016 10:01 11/9/2016 10:06 11/9/2016 10:11 11/9/2016 10:16 11/9/2016 10:21 11/9/2016 10:26 64 11/9/2016 10:31 63 11/9/2016 10:36 61 11/9/2016 10:41 58 11/9/2016 10:46 61 11/9/2016 10:51 63 11/9/2016 10:56 11/9/2016 11:01 11/9/2016 11:06 11/9/2016 11:11 1/9/2016 11:16 1/9/2016 $11 \cdot 21$ 11/9/2016 11.26 1/9/2016 11:26 11/9/2016 11:31 11/9/2016 11:36 11/9/2016 11:41 1/9/2016 11.46 11/9/2016 11:51 11/9/2016 11:56 1192016 12.01 1/2016 12:06 1/9/2016 12:11 60 11/9/2016 12:16 60 11/9/2016 12:21 5 11/9/2016 12:26 5 1/9/2016 12:36 11/9/2016 12:41 11/9/2016 12:46 11/9/2016 12:51 11/9/2016 12:56 11/9/2016 13:01 63 11/9/2016 13:06 63 1/9/2016 13:11 63 11/9/2016 13:16 64 11/9/2016 13.21 64 1/9/2016 13:21 11/9/2016 13:26
11/9/2016 13:31 11/9/2016 13:31 1/9/2016 13:36 1/9/2016 13:41 11/9/2016 13:46 1/9/2016 13:51 11/9/2016 13:56 11/9/2016 14:01 11/9/2016 14:06 11/9/2016 14:11 11/9/2016 14:16 11/9/2016 14:21 11/9/2016 14:26 11/9/2016 14:31 11/9/2016 14:36 11/9/2016 14:41 11/9/2016 14.46 63 11/9/2016 14:51 64 $11 / 9 / 2016$ 14.56 63 11/9/2016 14:56 11/9/2016 15:06 11/9/2016 15:06 11/9/2016 15:11 11/9/2016 15:16 11/9/2016 15:21 1/9/2016 15:26 11/9/2016 15:31 64 11/9/2016 15:36 63 11/9/2016 15:41 63 11/9/2016 15:46 63 11/9/2016 15:51 6 11/9/2016 15:56 11/9/2016 16:01 11/9/2016 16:06 11/9/2016 16:11 11/9/2016 16:16 11/9/2016 16:21 11/9/2016 16:26 11/9/2016 16.31 64 11/9/2016 16.36 66 1/9/2016 16.41 65 11/9/2016 16:46 11/9/2016 16:51 11/9/2016 16:51 11/9/2016 16:56 11/9/2016 17:01 11/9/2016 17:06 11/9/2016 17:11 11/9/2016 17:16 $11 / 9 / 2016$ 17:21 65
$11 / 9 / 201617: 26$
65 11/9/2016 17:26 65 1/9/2016 17:36 11/9/2016 17:41

> 11/9/2016 17:46 63 11/9/2016 17:51 11/9/2016 17:56 65 11/9/2016 18:01 66 11/9/2016 18:06 64 11/9/2016 18:11 11/9/2016 18:16 11/9/2016 18:21 11/9/2016 18:26 11/9/2016 18:36 11/9/2016 18:41 4 11/9/2016 18:46 11/9/2016 18:51 11/9/2016 18:56 11/9/2016 19:01 11/9/2016 19:06 11/9/2016 19:16 11/9/2016 19:21 11/9/2016 19:26 11/9/2016 19:31 11/9/2016 19:36 63 11/9/2016 19:41 6 11/9/2016 19:46 11/9/2016 19:51 11/9/2016 19:56 11/9/2016 20:01 11/9/2016 20:11 11/9/2016 20:16 11/9/2016 20:21 11/9/2016 20:26 60 11/9/2016 20:31 61 11/9/2016 20:36 11/9/2016 20:41 11/9/2016 20:46 11/9/2016 20:51 11/9/2016 20:56 11/9/2016 21.01 11/9/2016 21:06 11/9/2016 21:11 6 11/9/2016 21:16 63 11/9/2016 21:21 6 11/9/2016 21:26 62 11/9/2016 21:31 61 11/9/2016 21:36 63 11/9/2016 21:41 11/9/2016 21:46 11/9/2016 21:56 11/9/2016 22:01 11/9/2016 22:06 63 11/9/2016 22:11 11/9/2016 22:16 65 11/9/2016 22:21 11/9/2016 22:26 11/9/2016 22:31 11/9/2016 22:41 11/9/2016 22:46 11/9/2016 22:51 11/9/2016 22:56

12/9/2016 19:01 12/9/2016 19:06 12/9/2016 19:11 12/9/2016 19:16 12/9/2016 19:21 12/9/2016 19:26 12/9/2016 19:31 12/9/2016 19:36 12/9/2016 19:46 12/9/2016 19:51 12/9/2016 19:56 12/9/2016 20:01 6 12/9/2016 20:06 12/9/2016 20:11 12/9/2016 20:16 12/9/2016 20:21 12/9/2016 20:26 12/9/2016 20:31 12/9/2016 20:36 12/9/2016 20:41 12/9/2016 20:46 65 12/9/2016 20:51 64 12/9/2016 20:56 64 12/9/2016 21:01 6 12/9/2016 21:06 64 12/9/2016 21:11 64 12/9/2016 21:16 12/9/2016 21:21 12/9/2016 21:26 6 12/9/2016 21:31 67 12/9/2016 21:36 67 12/9/2016 21:41 67 12/9/2016 21:46 67 12/9/201621.51 12/9/2016 21:56 12/9/2016 22.01 12/9/2016 22.06 12/9/2016 22:11 12/9/2016 22:16 12/9/2016 22:16 12/9/2016 22:21 12/9/2016 22:26 66 12/9/2016 22:31 66 12/9/2016 22:36 66 | $12 / 9 / 2016$ | $22: 41$ |
| :--- | :--- |
| $12 / 9 / 2016$ | $62: 46$ |

> 12/9/2016 22:51 6 12/9/2016 22:56 65 13/9/2016 19:01 62 13/9/2016 19:06 62 13/9/2016 19:11 63 13/9/2016 19:16 66 13/9/2016 19:21 66 13/9/2016 19:26 13/9/2016 19:31 13/9/2016 19:36 13/9/2016 19:41 13/9/2016 19:46 67 13/9/2016 19:51 67 13/9/2016 19:56 67 13/9/2016 20:01 67 13/9/2016 20:06 67 13/9/2016 20:11 65 13/9/2016 20:16 66 13/9/2016 20:21 13/9/2016 20:26 13/9/2016 20:31 13/9/2016 20:36 66 13/9/2016 20:41 66 13/9/2016 20:46 66 13/9/2016 20:51 65 13/9/2016 20:56 65 13/9/2016 21:01 66 13/9/2016 21:06 66 13/9/2016 21:11 13/9/2016 21:16 13/9/2016 21:21 13/9/2016 21:26 $13 / 9 / 201621: 3167$
$13 / 9 / 201621: 36$
$13 / 97$ $13 / 9 / 201621: 3667$
$13 / 9 / 201621: 4166$ $13 / 9 / 201621: 4166$
$13 / 9 / 201621: 46$ 13/9/2016 21:46 13/9/2016 21:51 13/9/2016 21:56 13/9/2016 22:01 13/9/2016 22:06 13/9/2016 22:11 13/9/2016 22:16 64 13/9/2016 22:21 65 13/9/2016 22:26 64 13/9/2016 22:31 63 13/9/2016 22:36 65 13/9/2016 22:41 64 13/9/2016 22:46 64 13/9/2016 22:51 64 13/9/2016 22:56 14/9/2016 19:01 14/9/2016 19:06 62 14/9/2016 19:11 63 14/9/2016 19:16 62 14/9/2016 19:21 62
14/9/2016 19:26 63 14/9/2016 19:26 63 14/9/2016 19:31 14/9/2016 19:36 14/9/2016 19:46 14/9/2016 19:51 14/9/2016 19:56 14/9/2016 20:01 64 14/9/2016 20:06 63 14/9/2016 20:11 64 14/9/2016 20:16 63 14/9/2016 20:21 64 14/9/2016 20:26 14/9/2016 20:31 14/9/2016 20:36 14/9/2016 20:41 14/9/2016 20:46 14/9/2016 20:56 63

| Real-time Noise | Data | N4 (Causeway B | C | ntre) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 15/9/2016 19:56 | 61 | 16/9/2016 13:01 | 65 | 16/9/2016 22:06 | 60 |
| 15/9/2016 20:01 | 64 | 16/9/2016 13:06 | 64 | 16/9/2016 22:11 | 62 |
| 15/9/2016 20:06 | 62 | 16/9/2016 13:11 | 64 | 16/9/2016 22:16 | 58 |
| 15/9/2016 20:11 | 56 | 16/9/2016 13:16 | 64 | 16/9/2016 22:21 | 61 |
| 15/9/2016 20:16 | 60 | 16/9/2016 13:21 | 65 | 16/9/2016 22:26 | 61 |
| 15/9/2016 20:21 | 60 | 16/9/2016 13:26 | 65 | 16/9/2016 22:31 | 61 |
| 15/9/2016 20:26 | 61 | 16/9/2016 13:31 | 65 | 16/9/2016 22:36 | 62 |
| 15/9/2016 20:31 | 61 | 16/9/2016 13:36 | 64 | 16/9/2016 22:41 | 60 |
| 15/9/2016 20:36 | 60 | 16/9/2016 13:41 | 65 | 16/9/2016 22:46 | 61 |
| 15/9/2016 20:41 | 62 | 16/9/2016 13:46 | 65 | 16/9/2016 22:51 | 61 |
| 15/9/2016 20:46 | 59 | 16/9/2016 13:51 | 65 | 16/9/2016 22:56 | 61 |
| 15/9/2016 20:51 | 61 | 16/9/2016 13:56 | 65 | 17/9/2016 19:01 | 65 |
| 15/9/2016 20:56 | 59 | 16/9/2016 14:01 | 65 | 17/9/2016 19:06 | 65 |
| 15/9/2016 21:01 | 61 | 16/9/2016 14:06 | 65 | 17/9/2016 19:11 | 64 |
| 15/9/2016 21:06 | 59 | 16/9/2016 14:11 | 65 | 17/9/2016 19:16 | 64 |
| 15/9/2016 21:11 | 60 | 16/9/2016 14:16 | 65 | 17/9/2016 19:21 | 64 |
| 15/9/2016 21:16 | 62 | 16/9/2016 14:21 | 66 | 17/9/2016 19:26 | 65 |
| 15/9/2016 21:21 | 61 | 16/9/2016 14:26 | 65 | 17/9/2016 19:31 | 64 |
| 15/9/2016 21:26 | 63 | 16/9/2016 14:31 | 66 | 17/9/2016 19:36 | 64 |
| 15/9/2016 21:31 | 61 | 16/9/2016 14:36 | 65 | 17/9/2016 19:41 | 65 |
| 15/9/2016 21:36 | 61 | 16/9/2016 14:41 | 65 | 17/9/2016 19:46 | 64 |
| 15/9/2016 21:41 | 61 | 16/9/2016 14:46 | 64 | 17/9/2016 19:51 | 64 |
| 15/9/2016 21:46 | 63 | 16/9/2016 14:51 | 65 | 17/9/2016 19:56 | 63 |
| 15/9/2016 21:51 | 62 | 16/9/2016 14:56 | 65 | 17/9/2016 20:01 | 64 |
| 15/9/2016 21:56 | 60 | 16/9/2016 15:01 | 65 | 17/9/2016 20:06 | 63 |
| 15/9/2016 22:01 | 56 | 16/9/2016 15:06 | 65 | 17/9/2016 20:11 | 63 |
| 15/9/2016 22:06 | 57 | 16/9/2016 15:11 | 65 | 17/9/2016 20:16 | 62 |
| 15/9/2016 22:11 | 59 | 16/9/2016 15:16 | 65 | 17/9/2016 20:21 | 63 |
| 15/9/2016 22:16 | 60 | 16/9/2016 15:21 | 65 | 17/9/2016 20:26 | 56 |
| 15/9/2016 22:21 | 61 | 16/9/2016 15:26 | 64 | 17/9/2016 20:31 | 60 |
| 15/9/2016 22:26 | 60 | 16/9/2016 15:31 | 65 | 17/9/2016 20:36 | 63 |
| 15/9/2016 22:31 | 63 | 16/9/2016 15:36 | 65 | 17/9/2016 20:41 | 64 |
| 15/9/2016 22:36 | 61 | 16/9/2016 15:41 | 65 | 17/9/2016 20:46 | 64 |
| 15/9/2016 22:41 | 60 | 16/9/2016 15:46 | 65 | 17/9/2016 20:51 | 64 |
| 15/9/2016 22:46 | 61 | 16/9/2016 15:51 | 65 | 17/9/2016 20:56 | 64 |
| 15/9/2016 22:51 | 61 | 16/9/2016 15:56 | 65 | 17/9/2016 21:01 | 64 |
| 15/9/2016 22:56 | 59 | 16/9/2016 16:01 | 65 | 17/9/2016 21:06 | 64 |
| 16/9/2016 7:01 | 57 | 16/9/2016 16:06 | 65 | 17/9/2016 21:11 | 63 |
| 16/9/2016 7:06 | 66 | 16/9/2016 16:11 | 64 | 17/9/2016 21:16 | 63 |
| 16/9/2016 7:11 | 57 | 16/9/2016 16:16 | 65 | 17/9/2016 21:21 | 63 |
| 16/9/2016 7:16 | 64 | 16/9/2016 16:21 | 65 | 17/9/2016 21:26 | 63 |
| 16/9/2016 7:21 | 65 | 16/9/2016 16:26 | 66 | 17/9/2016 21:31 | 62 |
| 16/9/2016 7:26 | 59 | 16/9/2016 16:31 | 65 | 17/9/2016 21:36 | 57 |
| 16/9/2016 7:31 | 57 | 16/9/2016 16:36 | 65 | 17/9/2016 21:41 | 60 |
| 16/9/2016 7:36 | 55 | 16/9/2016 16:41 | 66 | 17/9/2016 21:46 | 61 |
| 16/9/2016 7:41 | 57 | 16/9/2016 16:46 | 66 | 17/9/2016 21:51 | 57 |
| 16/9/2016 7:46 | 57 | 16/9/2016 16:51 | 66 | 17/9/2016 21:56 | 57 |
| 16/9/2016 7:51 | 61 | 16/9/2016 16:56 | 66 | 17/9/2016 22:01 | 56 |
| 16/9/2016 7:56 | 58 | 16/9/2016 17:01 | 66 | 17/9/2016 22:06 | 59 |
| 16/9/2016 8:01 | 57 | 16/9/2016 17:06 | 65 | 17/9/2016 22:11 | 61 |
| 16/9/2016 8:06 | 54 | 16/9/2016 17:11 | 66 | 17/9/2016 22:16 | 60 |
| 16/9/2016 8:11 | 58 | 16/9/2016 17:16 | 65 | 17/9/2016 22:21 | 58 |
| 16/9/2016 8:16 | 58 | 16/9/2016 17:21 | 66 | 17/9/2016 22:26 | 53 |
| 16/9/2016 8:21 | 58 | 16/9/2016 17:26 | 66 | 17/9/2016 22:31 | 59 |
| 16/9/2016 8:26 | 59 | 16/9/2016 17:31 | 66 | 17/9/2016 22:36 | 57 |
| 16/9/2016 8:31 | 58 | 16/9/2016 17:36 | 65 | 17/9/2016 22:41 | 56 |
| 16/9/2016 8:36 | 57 | 16/9/2016 17:41 | 66 | 17/9/2016 22:46 | 61 |
| 16/9/2016 8:41 | 60 | 16/9/2016 17:46 | 66 | 17/9/2016 22:51 | 60 |
| 16/9/2016 8:46 | 60 | 16/9/2016 17:51 | 66 | 17/9/2016 22:56 | 60 |
| 16/9/2016 8:51 | 60 | 16/9/2016 17:56 | 66 | 18/9/2016 7:01 | 63 |
| 16/9/2016 8:56 | 59 | 16/9/2016 18:01 | 65 | 189/2016 7:06 | 63 |
| 16/9/2016 9:01 | 59 | 16/9/2016 18:06 | 65 | 18/9/2016 7:11 | 49 |
| 16/9/2016 9:06 | 58 | 16/9/2016 18:11 | 65 | 1899/2016 7:16 | 63 |
| 16/9/2016 9:11 | 60 | 16/9/2016 18:16 | 66 | 18/9/2016 7:21 | 63 |
| 16/9/2016 9:16 | 61 | 16/9/2016 18:21 | 67 | 189/92016 7:26 | 63 |
| 16/9/2016 9:21 | 63 | 16/9/2016 18:26 | 67 | 18/9/2016 7:31 | 57 |
| 16/9/2016 9:26 | 60 | 16/9/2016 18:31 | 66 | 189/92016 7:36 | 64 |
| 16/9/2016 9:31 | 65 | 16/9/2016 18:36 | 66 | 18/9/2016 7:41 | 51 |
| 16/9/2016 9:36 | 66 | 16/9/2016 18:41 | 65 | 18/9/2016 7:46 | 50 |
| 16/9/2016 9:41 | 67 | 16/9/2016 18:46 | 66 | 189/92016 7:51 | 54 |
| 16/9/2016 9:46 | 66 | 16/9/2016 18:51 | 65 | 18/9/2016 7:56 | 57 |
| 16/9/2016 9:51 | 66 | 16/9/2016 18:56 | 66 | 189/2016 8:01 | 53 |
| 16/9/2016 9:56 | 65 | 16/9/2016 19:01 | 66 | 18/9/2016 8:06 | 56 |
| 16/9/2016 10:01 | 65 | 16/9/2016 19:06 | 67 | 18/9/2016 8:11 | 60 |
| 16/9/2016 10:06 | 65 | 16/9/2016 19:11 | 66 | 18/9/2016 8:16 | 57 |
| 16/9/2016 10:11 | 65 | 16/9/2016 19:16 | 66 | 189/2016 8:21 | 57 |
| 16/9/2016 10:16 | 65 | 16/9/2016 19:21 | 65 | 18/9/2016 8:26 | 59 |
| 16/9/2016 10:21 | 64 | 16/9/2016 19:26 | 65 | 189/9016 8:31 | 58 |
| 16/9/2016 10:26 | 65 | 16/9/2016 19:31 | 65 | 18/9/2016 8:36 | 58 |
| 16/9/2016 10:31 | 64 | 16/9/2016 19:36 | 66 | 18/9/2016 8:41 | 59 |
| 16/9/2016 10:36 | 64 | 16/9/2016 19:41 | 65 | 18/9/2016 8:46 | 59 |
| 16/9/2016 10:41 | 64 | 16/9/2016 19:46 | 66 | 18/9/2016 8:51 | 59 |
| 16/9/2016 10:46 | 65 | 16/9/2016 19:51 | 65 | 18/9/2016 8:56 | 60 |
| 16/9/2016 10:51 | 64 | 16/9/2016 19:56 | 65 | 189/2016 9:01 | 60 |
| 16/9/2016 10:56 | 63 | 16/9/2016 20:01 | 65 | 1899/2016 9:06 | 63 |
| 16/9/2016 11:01 | 64 | 16/9/2016 20:06 | 64 | 189/2016 9:11 | 66 |
| 16/9/2016 11:06 | 64 | 16/9/2016 20:11 |  | 18/9/2016 9:16 | 67 |
| 16/9/2016 11:11 | 64 | 16/9/2016 20:16 | 64 | 18/9/2016 9:21 | 66 |
| 16/9/2016 11:16 | 64 | 16/9/2016 20:21 | 64 | 189/2016 9:26 | 65 |
| 16/9/2016 11:21 | 65 | 16/9/2016 20:26 | 64 | 18/9/2016 9:31 | 65 |
| 16/9/2016 11:26 | 65 | 16/9/2016 20:31 | 63 | 189/2016 9:36 | 66 |
| 16/9/2016 11:31 | 63 | 16/9/2016 20:36 | 64 | 18/9/2016 9:41 | 65 |
| 16/9/2016 11:36 | 64 | 16/9/2016 20:41 | 64 | 189/2016 9:46 | 65 |
| 16/9/2016 11:41 | 63 | 16/9/2016 20:46 | 64 | 189/2016 9:51 | 66 |
| 16/9/2016 11:46 | 63 | 16/9/2016 20:51 | 63 | 18/9/2016 9:56 | 65 |
| 16/9/2016 11:51 | 64 | 16/9/2016 20:56 | 64 | 18/9/2016 10:01 | 65 |
| 16/9/2016 11:56 | 64 | 16/9/2016 21:01 | 65 | 18/9/2016 10:06 | 65 |
| 16/9/2016 12:01 | 65 | 16/9/2016 21:06 | 62 | 18/9/2016 10:11 | 65 |
| 16/9/2016 12:06 | 65 | 16/9/2016 21:11 | 61 | 18/9/2016 10:16 | 64 |
| 16/9/2016 12:11 | 65 | 16/9/2016 21:16 | 64 | 18/9/2016 10:21 | 65 |
| 16/9/2016 12:16 | 66 | 16/9/2016 21:21 | 60 | 18/9/2016 10:26 | 64 |
| 16/9/2016 12:21 | 65 | 16/9/2016 21:26 | 63 | 18/9/2016 10:31 | 64 |
| 16/9/2016 12:26 | 65 | 16/9/2016 21:31 |  | 18/9/2016 10:36 | 63 |
| 16/9/2016 12:31 | 65 | 16/9/2016 21:36 | 61 | 18/9/2016 10:41 | 63 |
| 16/9/2016 12:36 | 66 | 16/9/2016 21:41 | 61 | 18/9/2016 10:46 | 62 |
| 16/9/2016 12:41 | 64 | 16/9/2016 21:46 | 61 | 18/9/2016 10:51 | 61 |
| 16/9/2016 12:46 | 65 | 16/9/2016 21:51 | 61 | 18/9/2016 10:56 | 63 |
| $\begin{aligned} & 16 / 9 / 201612: 51 \\ & 16 / 9 / 201612: 56 \end{aligned}$ | 65 | 16/9/2016 21:56 |  | 18/9/2016 11:01 18/9/2016 11:06 |  |

18/9/2016 11:11 62 18/9/2016 11:16 18/9/2016 11:21 62 18/9/2016 11:26 61 18/9/2016 11:31 62 18/9/2016 11:36 63 18/9/2016 11:41 18/9/2016 11:46 18/9/2016 11:51 18/9/2016 11:56 18/9/2016 12:01 64 18/9/2016 12:06 63 18/9/2016 12.11 64 8/9/2016 12:11 64 8/9/2016 12:16 63 8/9/9/2016 12.21 63 18/9/2016 12:26 63 18/9/2016 12:31 63 18/9/2016 12:36 6 18/9/2016 12:41 60 18/9/2016 12:46 61 18/9/2016 12.5162 18/9/2016 12:56 61 18/9/2016 13:01 61 18/9/2016 13:06 58 18/9/2016 13:11 56 18/9/2016 13:16 64 18/9/2016 13:21 60 18/9/2016 13:26 60 18/9/2016 13:31 60 18/9/2016 13:36 61 18/9/2016 13:41 62 18/9/2016 13:46 63 18/9/2016 13:51 67 18/9/2016 13:56 66 8/9/2016 14:01 65 8/9/2016 14.0665 8/9/2016 14:06 18/9/2016 14:11 6 18/9/2016 14:16 65 18/9/2016 14:21 64 $\begin{array}{ll}18 / 9 / 2016 & 14: 26 \\ 18 / 9 / 2016 & 14: 31 \\ 62\end{array}$ 10/0 18/9/2016 14:36 62 18/9/2016 14:41 63 8/9/2016 14:46 65 18/9/2016 14:51 65 18/9/2016 14:56 65 18/9/2016 15:01 6 18/9/2016 15:06 6 18/9/2016 15:11 18/9/2016 15:16 18/9/2016 15:21 18/9/2016 15:26 18/9/2016 15:31 65 18/9/2016 15:36 64 18/9/2016 15:41 66 18/9/2016 15:46 66 18/9/2016 15:51 65 18/9/2016 15:56 66 18/9/2016 16:01 18/9/2016 16:06 6 18/9/2016 16:11 65 18/9/2016 16:16 64 18/9/2016 16:21 65 18/9/2016 16:26 65 18/9/2016 16:31 64 18/9/2016 16:36 64 18/9/2016 16:41 6 18/9/2016 16:46 6 18/9/2016 16:51 18/9/2016 16:56 18/9/2016 17:01 18/9/2016 17:06 64 18/9/2016 17:11 64 18/9/2016 17:16 60 8/9/2016 17.2160 8/9/2016 17.26 61 8/9/2016 17.31 60 8/9/2016 17:36 62 18/9/2016 17:41 64 18/9/2016 17:46 18/9/2016 17:46 6 18/9/2016 17:51 18/9/2016 17:56 65 18/9/2016 18:01 64 18/9/2016 18:06 61 18/9/2016 18:11 60 18/9/2016 18:16 61 8/9/2016 18:21 62 18/9/2016 18:26 61 18/9/2016 18:31 63 18/9/2016 18:36 6 18/9/2016 18:41 18/9/2016 18:46 18/9/2016 18:51 18/9/2016 18:56 61 18/9/2016 19.0163 18/9/2016 19:06 65 8/9/2016 19:11 64 8/9/2016 10:16 8/9/2016 19:21 61 8/9/2016 19.21 61 18/9/2016 19.26 60 18/9/2016 19:31 61 18/9/2016 19:36 64 18/9/2016 19:41 64 18/9/2016 19:46 63 18/9/2016 19:51 61 18/9/2016 19:56 59 8/9/2016 20:01 62 18/9/2016 20:06 63 18/9/2016 20:11 63

18/9/2016 20:16 64 18/9/2016 20:21 18/9/2016 20:26 6 18/9/2016 20:31 57 18/9/2016 20:36 18/9/2016 20:41 18/9/2016 20:46 18/9/2016 20:51 18/9/2016 21.01 18/9/2016 21:06 18/9/2016 21:11 18/9/2016 21:16 18/9/2016 21:16 18/9/2016 21:21 18/9/2016 21:36 18/9/2016 $21: 31$
18/9/2016 $21: 36$ 18/9/2016 21:36 18/9/2016 $21: 41$ 18/9/2016 21:51 18/9/2016 21:56 18/9/2016 22:01 18/9/2016 22:06 5 18/9/2016 22:11 18/9/2016 22:16 5 18/9/2016 22:21 18/9/2016 22:26 5 18/9/2016 22:31 5 18/9/2016 22:36 18/9/2016 22:41 18/9/2016 22:51 18/9/2016 22:56 19/9/2016 19:01 19/9/2016 19:01 6 19/9/2016 19:11 19/9/2016 19:11 19/9/2016 19:16 19/9/2016 19:21 19/9/2016 19:21 19/9/2016 19:36 19/9/2016 19:41 19/9/2016 19:46 66 19/9/2016 19:51 19/9/2016 19:56 65 19/9/2016 20:01 19/9/2016 20:06 65 19/9/2016 20:11 19/9/2016 20:16 19/9/2016 20:21 19/9/2016 20:26 19/9/2016 20:31 19/9/2016 20:36 65 19/9/2016 20:41 6 19/9/2016 20:46 6 19/9/2016 20:56 6 19/9/2016 20:56 65 19/9/2016 21:01 19/9/2016 21:06 19/9/2016 21:11 19/9/2016 21:16 19/9/2016 21:21 19/9/2016 21:26 19/9/2016 21:31 19/9/2016 21:36 6 19/9/2016 21:41 59 19/9/2016 21:46 57 19/9/2016 21:51 6 19/9/2016 21:56 19/9/2016 22:06 19/9/2016 $22 \cdot 11$ 19/9/2016 22:16 6 19/9/2016 22:21 60 19/9/2016 22:21 60 $19 / 9 / 201622: 26$
$19 / 9 / 201622.31$ 19/9/2016 22:31 19/9/2016 22:36 19/9/2016 22:41 19/9/2016 22:46 19/9/2016 22:51 19/9/2016 22:56
20/9/2016 19:01 20/9/2016 19:06 20/9/2016 19:11 20/9/2016 19:16 20/9/2016 19:16 60 20/9/2016 19:26 20/9/2016 19:31 6 20/9/2016 19:36 6 20/9/2016 19:41 20/9/2016 19:46 20/9/2016 19:51 20/9/2016 20:01 20/9/2016 20:06 20/9/2016 20:11 20/9/2016 20:11 20/9/2016 20:16 20/9/2016 20:21 20/9/2016 20:26 20/9/2016 20:36 20/9/2016 20:41 20/9/2016 20:46 20/9/2016 20:51 6 20/9/2016 20:56 6 20/9/2016 21:01 6 20/9/2016 21:06 65 20/9/2016 21:11 65

20/9/2016 21:21 20/9/2016 21:26 65 20/9/2016 21:31 66 20/9/2016 21:36 66 20/9/2016 21:41 65 20/9/2016 21:46 63 20/9/2016 21:51 63 20/9/2016 21:56 62 20/9/2016 22:01 20/9/2016 22:06 62 20/9/2016 22:11 62 20/9/2016 22:16 62 20/9/2016 22:21 63 20/9/2016 22:26 64 20/9/2016 22:31 63 20/9/2016 22:36 62 20/9/2016 22:41 64 20/9/2016 22:46 20/9/2016 22:51 20/9/2016 22:56 21/9/2016 19:01 21/9/2016 19:06 55 21/9/2016 19:11 63 21/9/2016 19:16 62 21/9/2016 19:21 65 21/9/2016 19:26 65 21/9/2016 19:31 65 21/9/2016 19:36 66 21/9/2016 19:41 21/9/2016 19:46 21/9/2016 19.56 21/9/2016 $20: 01$ 21/9/2016 20:06 65 21/9/2016 20:11 64 21/9/2016 20:16 61 21/9/2016 20:21 21/9/2016 20:26 21/9/2016 20:31 21/9/2016 20:36 21/9/2016 20:41 21/9/2016 20:46 64 21/9/2016 20:51 64 21/9/2016 20:56 63 21/9/2016 21:01 61 21/9/2016 21:06 63 21/9/2016 21:11 21/9/2016 21:16 6 21/9/2016 21:21 64 21/9/2016 21:26 21/9/2016 21:31 21/9/2016 21:36 60 21/9/2016 21:41 61 21/9/2016 21:46 60 21/9/2016 21:51 60 21/9/2016 21:56 60 21/9/2016 22:01 61 21/9/2016 22:06 61 21/9/2016 22:11 61 21/9/2016 22:16 6 21/9/2016 22:21 21/9/2016 22:26
21/9/2016 22:31 21/9/2016 22:31 61
21/9/2016 22:36 61 21/9/2016 22:41 59 21/9/2016 22:46 60 21/9/2016 22:51 56 21/9/2016 22:56 58 22/9/2016 19:01 65 22/9/2016 19:06 64 22/9/2016 19:11 22/9/2016 19:16 63 22/9/2016 19:21 63 22/9/2016 19:26 63 22/9/2016 19:31 65 22/9/2016 19:36 61 22/9/2016 19:46 64 22/9/2016 19:51 65 22/9/2016 19:56 65 22/9/2016 20:01 22/9/2016 20:06 22/9/2016 20:11 63 22/9/2016 20:16 62 22/9/2016 20:21 64 22/9/2016 20:26 65 22/9/2016 20:31 65 22/9/2016 20:36 64 22/9/2016 20:41 22/9/2016 20:46 22/9/2016 20:56 22/9/2016 21:01 22/9/2016 21:06 22/9/2016 21:11 65 22/9/2016 21:16 63 22/9/2016 21:21 61 22/9/2016 21:26 60 22/9/2016 21:31 64 22/9/2016 21:36 6 22/9/2016 21:41 22/9/2016 21:46 22/9/2016 21:51 22/9/2016 21:56 6 22/9/2016 22:01 62 22/9/2016 22:06 59 $\begin{array}{lll}22 / 9 / 2016 & 22: 11 & 61 \\ 22 / 9 / 2016 & 22 \cdot 16 & 62\end{array}$ 22/9/2016 22:21 60



RTN4 (Causeway Bay Community Centre)
 $31 / 8 / 20163: 46$
$31 / 8 / 2016$
$3: 51$ 31/8/2016 3:56 $31 / 8 / 2016$ 4:01
$31 / 8 / 20164: 06$ 31/8/2016 4:11 31/8/2016 4:16 $31 / 8 / 20164: 21$
$31 / 8 / 20164: 26$ 31/8/2016 4:31 31/8/2016 4:36 $31 / 8 / 20164: 41$
$31 / 8 / 20164: 46$ 31/8/2016 4:51 $31 / 8 / 2016$ 4:56
$31 / 8 / 20165: 01$ 31/8/2016 5:06 $31 / 8 / 20165: 11$
$31 / 8 / 20165: 16$ 31/8/2016 5:21 31/8/2016 5:26 31/8/2016 5:31 31/8/2016 5:36 31/8/2016 5:46 31/8/2016 5:51 31/8/2016 5:56 31/8/2016 6:06 31/8/2016 6:11 31/8/2016 6:16 $31 / 8 / 2016$ 6:21
$31 / 8 / 2016$ 6:26 31/8/2016 6:26 31/8/2016 6:36 $31 / 8 / 2016$ 6:41
$31 / 8 / 20166: 46$ 31/8/2016 6:51 31/8/2016 6:56 31/8/2016 23:06 $31 / 8 / 2016$ 23:11
$31 / 8 / 2016 ~ 23: 16$ 31/8/2016 23:21 $31 / 8 / 2016$ 23:26
$31 / 8 / 2016 ~ 23: 31$ 31/8/2016 23:31
31/8/2016 23:36 31/8/2016 23:41 31/8/2016 23:46 31/8/2016 23:51 1/9/2016 0:01 1/9/2016 0:06 1/9/2016 0:11 1/9/2016 0:16 1/9/2016 0:21 1/9/2016 0:26 1/9/2016 0:31 1/9/2016 0:36 1/9/2016 0:41
1/9/2016 0:46 1/9/2016 0:51 1/9/2016 0:51 1/9/2016 0:56
1/9/2016 1:01 1/9/2016 1:06 1/9/2016 1:11 1/9/2016 1:16
1/9/2016 1.21 1/9/2016 1:26 1/9/2016 1:31 1/9/2016 1:36 1/9/2016 1:41 1/9/2016 1:46 1/9/2016 1:51 1/9/2016 1:56 1/9/2016 2:01 1/9/2016 2:06 1/9/2016 2:16 1/9/2016 2:21 1/9/2016 2:26 1/9/2016 2:31
1/9/2016 2:36 1/9/2016 2:36 1/9/2016 2:41
$1 / 9 / 20162: 46$ 1/9/2016 2:51 1/9/2016 2:56 1/9/2016 3:01 1/9/2016 3:06
1/9/2016 3:11 1/9/2016 3:16 1/9/2016 3:21 1/9/2016 3:26 1/9/2016 3:31 1/9/2016 3:36 1/9/2016 3:46

## 2/9/2016 4:56 2/912016 5.56

 2/9/2016 5:01 2/9/2016 5:06 2/9/2016 5:11 2/9/2016 5:16 2/9/2016 5:21 2/9/2016 5:26 2/9/2016 5:312/9/2016 5:36 2/9/2016 5:41 2/9/2016 5:46 2/9/2016 5:46
2/9/2016 5:51 2/9/2016 5:51
2/9/2016 5:56 2/9/2016 5:56 2/9/2016 6:01 2/9/2016 6:11 2/9/2016 6:16 2/9/2016 6:21
2/9/2016 6:26 2/9/2016 6:31 2/9/2016 6:36 2/9/2016 6:41
2/9/2016 6:46 2/9/2016 6:46
2/9/2016 6:51 2/9/2016 6:56 2/9/2016 23:01 2/9/2016 23:06 2/9/2016 23:11
2/9/2016 23:16 2/9/2016 23:21 2/9/2016 23:26 2/9/2016 23:31 2/9/2016 23:36 2/9/2016 23:41 2/9/2016 23:46
2/9/2016 $23: 51$ 2/9/2016 23:51 3/9/2016 0:01 3/9/2016 0:06 3/9/2016 0:11 3/9/2016 0:16 $3 / 9 / 20160: 21$
$3 / 9 / 20160: 26$ 3/9/2016 0:31 3/9/2016 0:36 $3 / 9 / 20160: 41$
$3 / 9 / 20160: 46$ $3 / 9 / 20160: 46$
$3 / 9 / 2016$
0.51 $3 / 9 / 20160: 51$
$3 / 9 / 20160: 56$ 3/9/2016 1:01 3/9/2016 1:06 3/9/2016 1:06 3/9/2016 1:16 3/9/2016 1:21 3/9/2016 1:26 $3 / 9 / 20161: 31$
$3 / 9 / 20161: 36$ $3 / 9 / 20161: 36$
$3 / 9 / 20161: 41$ 3/9/2016 1:46 3/9/2016 1:51 $3 / 9 / 20161: 56$
$3 / 9 / 20162.01$ $3 / 9 / 2016$ 2:01
3/9/2016 2:06 3/9/2016 2:06 3/9/2016 2:16 3/9/2016 2:21 3/9/2016 2:26 $3 / 9 / 20162: 31$
$3 / 9 / 20162: 36$ 3/9/2016 2:41 $3 / 9 / 20162: 41$
$3 / 9 / 2016$
$2: 46$ 3/9/2016 2:51 3/9/2016 2:56 $3 / 9 / 20163: 01$
$3 / 9 / 20163: 06$ $3 / 9 / 20163: 06$
$3 / 9 / 20163: 11$ $3 / 9 / 2016$ 3:11
$3 / 9 / 20163: 16$ $3 / 9 / 2016 ~ 3: 16$
$3 / 9 / 2016 ~ 3: 21$ 3/9/2016 3:26 3/9/2016 3:31 $3 / 9 / 20163: 36$
$3 / 9 / 2016$
3 3/9/2016 3:41 3/9/2016 3:46 $3 / 9 / 20163: 51$
$3 / 9 / 20163: 56$ 3/9/2016 4:01 $3 / 9 / 2016$ 4:06
3/9/2016 4:11 3/9/2016 4:16 3/9/2016 4:21 3/9/2016 4:26 3/9/2016 4:31 3/9/2016 4:36 $3 / 9 / 20164: 36$
$3 / 9 / 20164: 41$ 3/9/2016 4:46 $3 / 9 / 20164: 51$
$3 / 9 / 20164: 56$ $3 / 9 / 20164: 56$
$3 / 9 / 20165: 01$ 3/9/2016 5:01 3/9/2016 5:11 3/9/2016 5:16 3/9/2016 5:21 3/9/2016 5:26 3/9/2016 5:31 $3 / 9 / 20165: 36$
$3 / 9 / 20165: 41$ 3/9/2016 5:46 $3 / 9 / 20165: 5$
$3 / 9 / 20165: 5$


## 3/9/2016 6:01 3/9/2016 $6: 01$

 $3 / 9 / 20166: 06$$3 / 9 / 20166: 11$
$3 / 9 / 20166: 16$ 3/9/2016 6:16 3/9/2016 6:21 3/9/2016 6:26 $3 / 9 / 20166: 31$
$3 / 9 / 20166: 36$ 3/9/2016 6:41 3/9/2016 6:46 3/9/2016 6:51 3/9/2016 6:56 $3 / 9 / 201623: 01$
$3 / 9 / 201623: 06$ $3 / 9 / 201623: 06$
$3 / 9 / 201623: 11$ 3/9/2016 23:16 3/9/2016 23:21 3/9/2016 23:31 3/9/2016 23:36 $3 / 9 / 2016 ~ 23: 41$
$3 / 2016$ 3/9/2016 23:51 3/9/2016 23:56 4/9/2016 0:01

4/9/2016 0:06 4/9/2016 0:11 | $4 / 9 / 20160: 16$ |
| :--- |
| $4 / 9 / 2016$ | 4/9/2016 0:26 4/9/2016 0:31

4/9/2016 0:36 4/9/2016 0:36
4/9/2016 0:41 4/9/2016 0:41
4/9/2016 0:46 4/9/2016 0:46
4/9/2016 0:51 4/9/2016 0:56 4/9/2016 1:01
4/9/2016 1:06 4/9/2016 1:11 4/9/2016 1:16
4/9/2016 1:21 4/9/2016 1:26 4/9/2016 1:31 4/9/2016 1:36
4/9/2016 1:41 4/9/2016 1:41
4/9/2016 1:46 4/9/2016 1:51 4/9/2016 1:56 4/9/2016 2:06 4/9/2016 $2: 11$
4/9/2016 2:16 4/9/2016 2:21 4/9/2016 2:26
4/9/2016 $2: 31$ 4/9/2016 2:31
4/9/2016 2:36 4/9/2016 2:36
4/9/2016 2:41 4/9/2016 2:46
4/9/2016 2:51 4/9/2016 2:56 4/9/2016 3:01 4/9/2016 3:06 4/9/2016 $3: 16$
$4 / 9 / 2016331$ 4/9/2016 3:21
4/9/2016 3:26 4/9/2016 3:31 4/9/2016 3:36
4/9/2016 $3: 41$ 4/9/2016 3:46 4/9/2016 3:51
4/9/2016 $3: 56$ 4/9/2016 4:01 4/9/2016 4:01
4/9/2016 4:06 $4 / 9 / 20164: 11$
$4 / 9 / 20164: 16$ $4 / 9 / 20164: 16$
$4 / 9 / 20164: 21$ 4/9/2016 4:26 4/9/2016 4:31 4/9/2016 4:36 4/9/2016 4:41
4/9/2016 4:46 4/9/2016 $4: 51$
$4 / 9 / 20164: 56$ 4/9/2016 4:56
4/9/2016 5:01 $4 / 9 / 20165: 06$
$4 / 9 / 20165: 11$ 4/9/2016 5:11
4/9/2016 5:16 4/9/2016 5:16
4/9/2016 5:21 4/9/2016 5:26 4/9/2016 5:31 4/9/2016 5:36 4/9/2016 5:46 $4 / 9 / 20165: 51$
$4 / 9 / 20165: 56$ 4/9/2016 5:56
4/9/2016 6:01 4/9/2016 6:01
4/9/2016 6:06 4/9/2016 6:06
4/9/2016 6:11 4/9/2016 6:11 4/9/2016 6:21 4/9/2016 6:26
4/9/2016 6:31 4/9/2016 6:36 4/9/2016 6:41
4/9/2016 6:46 $4 / 9 / 20166: 46$
$4 / 9 / 20166: 51$ 4/9/2016 6:56
4/9/2016 23:01 4/9/2016 23:01 66


| Real-time Noise | Data | RTN4 (Causeway B | Co | entre) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6/9/2016 0:11 | 64 | 7/9/2016 1:16 | 58 | 8/9/2016 2:21 | 59 | 9/9/2016 3:26 | 53 | 10/9/2016 4:31 | 50 | 11/9/2016 5:36 | 59 |
| 6/9/2016 0:16 | 63 | 7/9/2016 1:21 | 59 | 8/9/2016 2:26 | 60 | 9/9/2016 3:31 | 51 | 10/9/2016 4:36 | 60 | 11/9/2016 5:41 | 60 |
| 6/9/2016 0:21 | 63 | 7/9/2016 1:26 | 53 | 89/9016 2:31 | 58 | 9/9/2016 3:36 | 54 | 10/9/2016 4:41 | 55 | 11/9/2016 5:46 | 62 |
| 6/9/2016 0:26 | 63 | 7/9/2016 1:31 | 57 | 8/9/2016 2:36 | 58 | 9/9/2016 3:41 | 47 | 10/9/2016 4:46 | 58 | 11/9/2016 5:51 | 61 |
| 6/9/2016 0:31 | 63 | 7/9/2016 1:36 | 58 | 89/9016 2:41 | 58 | 9/9/2016 3:46 | 61 | 10/9/2016 4:51 | 59 | 11/9/2016 5:56 | 60 |
| 6/9/2016 0:36 | 64 | 7/9/2016 1:41 | 56 | 8/9/2016 2:46 | 58 | 9/9/2016 3:51 | 58 | 10/9/2016 4:56 | 58 | 11/9/2016 6:01 | 61 |
| 6/9/2016 0:41 | 60 | 7/9/2016 1:46 | 59 | 8/9/2016 2:51 | 57 | 9/9/2016 3:56 | 54 | 10/9/2016 5:01 | 55 | 11/9/2016 6:06 | 63 |
| 6/9/2016 0:46 | 61 | 7/9/2016 1:51 | 62 | 8/9/2016 2:56 | 54 | 9/9/2016 4:01 | 55 | 10/9/2016 5:06 | 59 | 11/9/2016 6:11 | 63 |
| 6/9/2016 0:51 | 63 | 7/9/2016 1:56 | 59 | 8/9/2016 3:01 | 56 | 9/9/2016 4:06 | 50 | 10/9/2016 5:11 | 59 | 11/9/2016 6:16 | 61 |
| 6/9/2016 0:56 | 59 | 7/9/2016 2:01 | 59 | 8/9/2016 3:06 | 54 | 9/9/2016 4:11 | 61 | 10/9/2016 5:16 | 57 | 11/9/2016 6:21 | 61 |
| 6/9/2016 1:01 | 61 | 7/9/2016 2:06 | 59 | 8/9/2016 3:11 | 56 | 9/9/2016 4:16 | 57 | 10/9/2016 5:21 | 57 | 11/9/2016 6:26 | 62 |
| 6/9/2016 1:06 | 62 | 7/9/2016 2:11 | 55 | 8/9/2016 3:16 | 58 | 9/9/2016 4:21 | 58 | 10/9/2016 5:26 | 61 | 11/9/2016 6:31 | 63 |
| 6/9/2016 1:11 | 61 | 7/9/2016 2:16 | 59 | 8/9/2016 3:21 | 55 | 9/9/2016 4:26 | 50 | 10/9/2016 5:31 | 61 | 11/9/2016 6:36 | 64 |
| 6/9/2016 1:16 | 59 | 7/9/2016 2:21 | 59 | 8/9/2016 3:26 | 54 | 9/9/2016 4:31 | 44 | 10/9/2016 5:36 | 60 | 11/9/2016 6:41 | 63 |
| 6/9/2016 1:21 | 57 | 7/9/2016 2:26 | 53 | 8/9/2016 3:31 | 54 | 9/9/2016 4:36 | 56 | 10/9/2016 5:41 | 59 | 11/9/2016 6:46 | 64 |
| 6/9/2016 1:26 | 62 | 7/9/2016 2:31 | 57 | 8/9/2016 3:36 | 59 | 9/9/2016 4:41 | 56 | 10/9/2016 5:46 | 62 | 11/9/2016 6:51 | 63 |
| 6/9/2016 1:31 | 60 | 7/9/2016 2:36 | 57 | 8/9/2016 3:41 | 56 | 9/9/2016 4:46 | 43 | 10/9/2016 5:51 | 61 | 11/9/2016 6:56 | 62 |
| 6/9/2016 1:36 | 60 | 7/9/2016 2:41 | 57 | 8/9/2016 3:46 | 55 | 9/9/2016 4:51 | 57 | 10/9/2016 5:56 | 60 | 11/9/2016 23:01 | 65 |
| 6/9/2016 1:41 | 61 | 7/9/2016 2:46 | 52 | 8/9/2016 3:51 | 61 | 9/9/2016 4:56 | 57 | 10/9/2016 6:01 | 62 | 11/9/2016 23:06 | 65 |
| 6/9/2016 1:46 | 56 | 7/9/2016 2:51 | 56 | 8/9/2016 3:56 | 47 | 9/9/2016 5:01 | 52 | 10/9/2016 6:06 | 60 | 11/9/2016 23:11 | 65 |
| 6/9/2016 1:51 | 59 | 7/9/2016 2:56 | 55 | 8/9/2016 4:01 | 57 | 9/9/2016 5:06 | 61 | 10/9/2016 6:11 | 62 | 11/9/2016 23:16 | 65 |
| 6/9/2016 1:56 | 57 | 7/9/2016 3:01 | 56 | 8/9/2016 4:06 | 54 | 9/9/2016 5:11 | 59 | 10/9/2016 6:16 | 63 | 11/9/2016 23:21 | 65 |
| 6/9/2016 2:01 | 57 | 7/9/2016 3:06 | 51 | 89/2016 4:11 | 60 | 9/9/2016 5:16 | 55 | 10/9/2016 6:21 | 63 | 11/9/2016 23:26 | 64 |
| 6/9/2016 2:06 | 56 | 7/9/2016 3:11 | 54 | 8/9/2016 4:16 | 59 | 9/9/2016 5:21 | 60 | 10/9/2016 6:26 | 63 | 11/9/2016 23:31 | 64 |
| 6/9/2016 2:11 | 58 | 7/9/2016 3:16 | 55 | 8/9/2016 4:21 | 58 | 9/9/2016 5:26 | 60 | 10/9/2016 6:31 | 64 | 11/9/2016 23:36 | 64 |
| 6/9/2016 2:16 | 56 | 7/9/2016 3:21 | 57 | 8/9/2016 4:26 | 51 | 9/9/2016 5:31 | 59 | 10/9/2016 6:36 | 64 | 11/9/2016 23:41 | 64 |
| 6/9/2016 2:21 | 58 | 7/9/2016 3:26 | 47 | 8/9/2016 4:31 | 58 | 9/9/2016 5:36 | 59 | 10/9/2016 6:41 | 65 | 11/9/2016 23:46 | 64 |
| 6/9/2016 2:26 | 58 | 7/9/2016 3:31 | 60 | 8/9/2016 4:36 | 56 | 9/9/2016 5:41 | 60 | 10/9/2016 6:46 | 65 | 11/9/2016 23:51 | 63 |
| 6/9/2016 2:31 | 58 | 7/9/2016 3:36 | 61 | 8/9/2016 4:41 | 56 | 9/9/2016 5:46 | 57 | 10/9/2016 6:51 | 65 | 11/9/2016 23:56 | 63 |
| 6/9/2016 2:36 | 44 | 7/9/2016 3:41 | 60 | 8/9/2016 4:46 | 57 | 9/9/2016 5:51 | 61 | 10/9/2016 6:56 | 65 | 12/9/2016 0:01 | 62 |
| 6/9/2016 2:41 | 61 | 7/9/2016 3:46 | 50 | 8/9/2016 4:51 | 52 | 9/9/2016 5:56 | 63 | 10/9/2016 23:01 | 66 | 12/9/2016 0:06 | 62 |
| 6/9/2016 2:46 | 55 | 7/9/2016 3:51 | 56 | 8/9/2016 4:56 | 52 | 9/9/2016 6:01 | 60 | 10/9/2016 23:06 | 65 | 12/9/2016 0:11 | 63 |
| 6/9/2016 2:51 | 57 | 7/9/2016 3:56 | 55 | 8/9/2016 5:01 | 58 | 9/9/2016 6:06 | 62 | 10/9/2016 23:11 | 66 | 12/9/2016 0:16 | 61 |
| 6/9/2016 2:56 | 60 | 7/9/2016 4:01 | 47 | 8/9/2016 5:06 | 52 | 9/9/2016 6:11 | 64 | 10/9/2016 23:16 | 66 | 12/9/2016 0:21 | 62 |
| 6/9/2016 3:01 | 61 | 7/9/2016 4:06 | 45 | 89/9016 5:11 | 59 | 9/9/2016 6:16 | 66 | 10/9/2016 23:21 | 65 | 12/9/2016 0:26 | 59 |
| 6/9/2016 3:06 | 55 | 7/9/2016 4:11 | 60 | 8/9/2016 5:16 | 58 | 9/9/2016 6:21 | 64 | 10/9/2016 23:26 | 65 | 12/9/2016 0:31 | 61 |
| 6/9/2016 3:11 | 45 | 7/9/2016 4:16 | 57 | 8/9/2016 5:21 | 59 | 9/9/2016 6:26 | 64 | 10/9/2016 23:31 | 65 | 12/9/2016 0:36 | 61 |
| 6/9/2016 3:16 | 49 | 7/9/2016 4:21 | 55 | 8/9/2016 5:26 | 57 | 9/9/2016 6:31 | 66 | 10/9/2016 23:36 | 65 | 12/9/2016 0:41 | 6 |
| 6/9/2016 3:21 | 39 | 7/9/2016 4:26 | 49 | 8/9/2016 5:31 | 60 | 9/9/2016 6:36 | 66 | 10/9/2016 23:41 | 65 | 12/9/2016 0:46 | 60 |
| 6/9/2016 3:26 | 60 | 7/9/2016 4:31 | 61 | 8/9/2016 5:36 | 61 | 9/9/2016 6:41 | 66 | 10/9/2016 23:46 | 65 | 12/9/2016 0:51 | 61 |
| 6/9/2016 3:31 | 61 | 7/9/2016 4:36 | 57 | 8/9/2016 5:41 | 62 | 9/9/2016 6:46 | 66 | 10/9/2016 23:51 | 65 | 12/9/2016 0:56 | 60 |
| 6/9/2016 3:36 | 58 | 7/9/2016 4:41 | 56 | 8/9/2016 5:46 | 62 | 9/9/2016 6:51 | 65 | 10/9/2016 23:56 | 66 | 12/9/2016 1:01 | 60 |
| 6/9/2016 3:41 | 60 | 7/9/2016 4:46 | 51 | 8/9/2016 5:51 | 62 | 9/9/2016 6:56 | 65 | 11/9/2016 0:01 | 65 | 12/9/2016 1:06 | 60 |
| 6/9/2016 3:46 | 50 | 7/9/2016 4:51 | 53 | 8/9/2016 5:56 | 62 | 9/9/2016 23:01 | 66 | 11/9/2016 0:06 | 64 | 12/9/2016 1:11 | 60 |
| 6/9/2016 3:51 | 60 | 7/9/2016 4:56 | 56 | 8/9/2016 6:01 | 60 | 9/9/2016 23:06 | 65 | 11/9/2016 0:11 | 64 | 12/9/2016 1:16 | 57 |
| 6/9/2016 3:56 | 48 | 7/9/2016 5:01 | 56 | 8/9/2016 6:06 | 63 | 9/9/2016 23:11 | 65 | 11/9/2016 0:16 | 64 | 12/9/2016 1:21 | 61 |
| 6/9/2016 4:01 | 60 | 7/9/2016 5:06 | 61 | 8/9/2016 6:11 | 64 | 9/9/2016 23:16 | 65 | 11/9/2016 0:21 | 63 | 12/9/2016 1:26 | 59 |
| 6/9/2016 4:06 | 61 | 7/9/2016 5:11 | 54 | 8/9/2016 6:16 | 64 | 9/9/2016 $23: 21$ | 66 | 11/9/2016 0:26 | 64 | 12/9/2016 1:31 | 6 |
| 6/9/2016 4:11 | 48 | 7/9/2016 5:16 | 55 | 8/9/2016 6:21 | 64 | 9/9/2016 23:26 | 65 | 11/9/2016 0:31 | 63 | 12/9/2016 1:36 | 59 |
| 6/9/2016 4:16 | 54 | 7/9/2016 5:21 | 51 | 8/9/2016 6:26 | 65 | 9/9/2016 23:31 | 65 | 11/9/2016 0:36 | 63 | 12/9/2016 1:41 | 58 |
| 6/9/2016 4:21 | 60 | 7/9/2016 5:26 | 56 | 8/9/2016 6:31 | 66 | 9/9/2016 23:36 | 65 | 11/9/2016 0:41 | 64 | 12/9/2016 1:46 | 56 |
| 6/9/2016 4:26 | 55 | 7/9/2016 5:31 | 56 | 8/9/2016 6:36 | 67 | 9/9/2016 23:41 | 65 | 11/9/2016 0:46 | 63 | 12/9/2016 1:51 | 56 |
| 6/9/2016 4:31 | 61 | 7/9/2016 5:36 | 59 | 8/9/2016 6:41 | 66 | 9/9/2016 23:46 | 65 | 11/9/2016 0:51 | 63 | 12/9/2016 1:56 | 56 |
| 6/9/2016 4:36 | 52 | 7/9/2016 5:41 | 60 | 8/9/2016 6:46 | 67 | 9/9/2016 23:51 | 65 | 11/9/2016 0:56 | 63 | 12/9/2016 2:01 | 55 |
| 6/9/2016 4:41 | 44 | 7/9/2016 5:46 | 60 | 8/9/2016 6:51 | 67 | 9/9/2016 23:56 | 65 | 11/9/2016 1:01 | 63 | 12/9/2016 2:06 | 58 |
| 6/9/2016 4:46 | 56 | 7/9/2016 5:51 | 62 | 8/9/2016 6:56 | 67 | 10/9/2016 0:01 | 65 | 11/9/2016 1:06 | 64 | 12/9/2016 2:11 | 55 |
| 6/9/2016 4:51 | 61 | 7/9/2016 5:56 | 62 | 8/9/2016 23:01 | 66 | 10/9/2016 0:06 | 65 | 11/9/2016 1:11 | 62 | 12/9/2016 2:16 | 49 |
| 6/9/2016 4:56 | 55 | 7/9/2016 6:01 | 61 | 8/9/2016 23:06 | 65 | 10/9/2016 0:11 | 65 | 11/9/2016 1:16 | 62 | 12/9/2016 2:21 | 57 |
| 6/9/2016 5:01 | 56 | 7/9/2016 6:06 | 63 | 8/9/2016 23:11 | 66 | 10/9/2016 0:16 | 65 | 11/9/2016 1:21 | 63 | 12/9/2016 2:26 | 57 |
| 6/9/2016 5:06 | 61 | 7/9/2016 6:11 | 62 | 8/9/2016 23:16 | 65 | 10/9/2016 0:21 | 64 | 11/9/2016 1:26 | 62 | 12/9/2016 2:31 | 52 |
| 6/9/2016 5:11 | 52 | 7/9/2016 6:16 | 64 | 8/9/2016 23:21 | 65 | 10/9/2016 0:26 | 64 | 11/9/2016 1:31 | 62 | 12/9/2016 2:36 | 60 |
| 6/9/2016 5:16 | 60 | 7/9/2016 6:21 | 65 | 8/9/2016 23:26 | 65 | 10/9/2016 0:31 | 64 | 11/9/2016 1:36 | 63 | 12/9/2016 2:41 | 61 |
| 6/9/2016 5:21 | 54 | 7/9/2016 6:26 | 65 | 8/9/2016 23:31 | 65 | 10/9/2016 0:36 | 64 | 11/9/2016 1:41 | 63 | 12/9/2016 2:46 | 49 |
| 6/9/2016 5:26 | 59 | 7/9/2016 6:31 | 66 | 8/9/2016 23:36 | 65 | 10/9/2016 0:41 | 64 | 11/9/2016 1:46 | 63 | 12/9/2016 2:51 | 61 |
| 6/9/2016 5:31 | 56 | 7/9/2016 6:36 | 66 | 8/9/2016 23:41 | 64 | 10/9/2016 0:46 | 63 | 11/9/2016 1:51 | 62 | 12/9/2016 2:56 | 54 |
| 6/9/2016 5:36 | 59 | 7/9/2016 6:41 | 67 | 8/9/2016 23:46 | 64 | 10/9/2016 0:51 | 64 | 11/9/2016 1:56 | 64 | 12/9/2016 3:01 | 61 |
| 6/9/2016 5:41 | 60 | 7/9/2016 6:46 | 67 | 8/9/2016 23:51 | 65 | 10/9/2016 0:56 | 65 | 11/9/2016 2:01 | 63 | 12/9/2016 3:06 | 60 |
| 6/9/2016 5:46 | 60 | 7/9/2016 6:51 | 66 | 8/9/2016 23:56 | 64 | 10/9/2016 1:01 | 64 | 11/9/2016 2:06 | 62 | 12/9/2016 3:11 | 50 |
| 6/9/2016 5:51 | 61 | 7/9/2016 6:56 | 66 | 9/9/2016 0:01 | 64 | 10/9/2016 1:06 | 64 | 11/9/2016 2:11 | 61 | 12/9/2016 3:16 | 60 |
| 6/9/2016 5:56 | 63 | 7/9/2016 23:01 | 66 | 9/9/2016 0:06 | 64 | 10/9/2016 1:11 | 64 | 11/9/2016 2:16 | 60 | 12/9/2016 3:21 | 48 |
| 6/9/2016 6:01 | 62 | 7/9/2016 23:06 | 65 | 9/9/2016 0:11 | 64 | 10/9/2016 1:16 | 64 | 11/9/2016 2:21 | 62 | 12/9/2016 3:26 | 60 |
| 6/9/2016 6:06 | 61 | 7/9/2016 23:11 | 66 | 9/9/2016 0:16 | 63 | 10/9/2016 1:21 | 63 | 11/9/2016 2:26 | 61 | 12/9/2016 3:31 | 48 |
| 6/9/2016 6:11 | 63 | 7/9/2016 23:16 | 66 | 9/9/2016 0:21 | 64 | 10/9/2016 1:26 | 63 | 11/9/2016 2:31 | 62 | 12/9/2016 3:36 | 59 |
| 6/9/2016 6:16 | 63 | 7/9/2016 23:21 | 65 | 9/9/2016 0:26 | 64 | 10/9/2016 1:31 | 62 | 11/9/2016 2:36 | 62 | 12/9/2016 3:41 | 61 |
| 6/9/2016 6:21 | 64 | 7/9/2016 23:26 | 66 | 9/9/2016 0:31 | 64 | 10/9/2016 1:36 | 64 | 11/9/2016 2:41 | 61 | 12/9/2016 3:46 | 55 |
| 6/9/2016 6:26 | 64 | 7/9/2016 23:31 | 65 | 9/9/2016 0:36 | 63 | 10/9/2016 1:41 | 64 | 11/9/2016 2:46 | 61 | 12/9/2016 3:51 | 61 |
| 6/9/2016 6:31 | 65 | 7/9/2016 23:36 | 65 | 9/9/2016 0:41 | 64 | 10/9/2016 1:46 | 63 | 11/9/2016 2:51 | 62 | 12/9/2016 3:56 | 60 |
| 6/9/2016 6:36 | 66 | 7/9/2016 23:41 | 65 | 9/9/2016 0:46 | 62 | 10/9/2016 1:51 | 62 | 11/9/2016 2:56 | 61 | 12/9/2016 4:01 | 60 |
| 6/9/2016 6:41 | 66 | 7/9/2016 23:46 | 65 | 9/9/2016 0:51 | 62 | 10/9/2016 1:56 | 63 | 11/9/2016 3:01 | 61 | 12/9/2016 4:06 | 61 |
| 6/9/2016 6:46 | 66 | 7/9/2016 23:51 | 65 | 9/9/2016 0:56 | 63 | 10/9/2016 2:01 | 63 | 11/9/2016 3:06 | 60 | 12/9/2016 4:11 | 55 |
| 6/9/2016 6:51 | 65 | 7/9/2016 23:56 | 65 | 9/9/2016 1:01 | 61 | 10/9/2016 2:06 | 63 | 11/9/2016 3:11 | 59 | 12/9/2016 4:16 | 55 |
| 6/9/2016 6:56 | 65 | 8/9/2016 0:01 | 64 | 9/9/2016 1:06 | 63 | 10/9/2016 2:11 | 62 | 11/9/2016 3:16 | 59 | 12/9/2016 4:21 | 59 |
| 6/9/2016 23:01 | 66 | 8/9/2016 0:06 | 64 | 9/9/2016 1:11 | 61 | 10/9/2016 2:16 | 64 | 11/9/2016 3:21 | 60 | 12/9/2016 4:26 | 60 |
| 6/9/2016 23:06 | 65 | 8/9/2016 0:11 | 64 | 9/9/2016 1:16 | 62 | 10/9/2016 2:21 | 64 | 11/9/2016 3:26 | 60 | 12/9/2016 4:31 | 60 |
| 6/9/2016 23:11 | 64 | 8/9/2016 0:16 | 63 | 9/9/2016 1:21 | 62 | 10/9/2016 2:26 | 64 | 11/9/2016 3:31 | 60 | 12/9/2016 4:36 |  |
| 6/9/2016 23:16 | 63 | 8/9/2016 0:21 | 63 | 9/9/2016 1:26 | 63 | 10/9/2016 2:31 | 63 | 11/9/2016 3:36 | 61 | 12/9/2016 4:41 | 60 |
| 6/9/2016 23:21 | 64 | 8/9/2016 0:26 | 66 | 9/9/2016 1:31 | 61 | 10/9/2016 2:36 | 62 | 11/9/2016 3:41 | 59 | 12/9/2016 4:46 | 51 |
| 6/9/2016 23:26 | 63 | 8/9/2016 0:31 | 64 | 9/9/2016 1:36 | 61 | 10/9/2016 2:41 | 59 | 11/9/2016 3:46 | 60 | 12/9/2016 4:51 | 54 |
| 6/9/2016 23:31 | 63 | 8/9/2016 0:36 | 64 | 9/9/2016 1:41 | 62 | 10/9/2016 2:46 | 60 | 11/9/2016 3:51 | 59 | 12/9/2016 4:56 |  |
| 6/9/2016 23:36 | 63 | 8/9/2016 0:41 | 63 | 9/9/2016 1:46 | 59 | 10/9/2016 2:51 | 63 | 11/9/2016 3:56 | 61 | 12/9/2016 5:01 | 54 |
| 6/9/2016 23:41 | 63 | 8/9/2016 0:46 | 61 | 9/9/2016 1:51 | 62 | 10/9/2016 2:56 | 62 | 11/9/2016 4:01 | 59 | 12/9/2016 5:06 | 58 |
| 6/9/2016 23:46 | 63 | 8/9/2016 0:51 | 61 | 9/9/2016 1:56 | 61 | 10/9/2016 3:01 | 61 | 11/9/2016 4:06 | 58 | 12/9/2016 5:11 | 49 |
| 6/9/2016 23:51 | 63 | 8/9/2016 0:56 | 64 | 9/9/2016 2:01 | 60 | 10/9/2016 3:06 | 60 | 11/9/2016 4:11 | 57 | 12/9/2016 5:16 | 50 |
| 6/9/2016 23:56 | 63 | 8/9/2016 1:01 | 63 | 9/9/2016 2:06 | 61 | 10/9/2016 3:11 | 62 | 11/9/2016 4:16 | 60 | 12/9/2016 5:21 | 57 |
| 7/9/2016 0:01 | 63 | 8/9/2016 1:06 | 63 | 9/9/2016 2:11 | 61 | 10/9/2016 3:16 | 60 | 11/9/2016 4:21 | 59 | 12/9/2016 5:26 | 58 |
| 7/9/2016 0:06 | 62 | 8/9/2016 1:11 | 62 | 9/9/2016 2:16 | 58 | 10/9/2016 3:21 | 61 | 11/9/2016 4:26 | 59 | 12/9/2016 5:31 | 58 |
| 7/9/2016 0:11 | 62 | 8/9/2016 1:16 | 62 | 9/9/2016 2:21 | 58 | 10/9/2016 3:26 | 58 | 11/9/2016 4:31 | 56 | 12/9/2016 5:36 | 59 |
| 7/9/2016 0:16 | 60 | 8/9/2016 1:21 | 62 | 9/9/2016 2:26 | 59 | 10/9/2016 3:31 | 60 | 11/9/2016 4:36 | 59 | 12/9/2016 5:41 | 59 |
| 7/9/2016 0:21 | 60 | 8/9/2016 1:26 | 62 | 9/9/2016 2:31 | 60 | 10/9/2016 3:36 | 58 | 11/9/2016 4:41 | 61 | 12/9/2016 5:46 | 62 |
| 7/9/2016 0:26 | 55 | 8/9/2016 1:31 | 62 | 9/9/2016 2:36 | 59 | 10/9/2016 3:41 | 62 | 11/9/2016 4:46 | 60 | 12/9/2016 5:51 | 61 |
| 7/9/2016 0:31 | 59 | 8/9/2016 1:36 | 60 | 9/9/2016 2:41 | 59 | 10/9/2016 3:46 | 61 | 11/9/2016 4:51 | 59 | 12/9/2016 5:56 |  |
| 7/9/2016 0:36 | 57 | 8/9/2016 1:41 | 62 | 9/9/2016 2:46 | 56 | 10/9/2016 3:51 | 61 | 11/9/2016 4:56 | 61 | 12/9/2016 6:01 | 58 |
| 7/9/2016 0:41 | 59 | 8/9/2016 1:46 | 61 | 9/9/2016 2:51 | 57 | 10/9/2016 3:56 | 62 | 11/9/2016 5:01 | 59 | 12/9/2016 6:06 | 63 |
| 7/9/2016 0:46 | 56 | 8/9/2016 1:51 | 60 | 9/9/2016 2:56 | 55 | 10/9/2016 4:01 | 56 | 11/9/2016 5:06 | 51 | 12/9/2016 6:11 |  |
| 7/9/2016 0:51 | 60 | 8/9/2016 1:56 | 61 | 9/9/2016 3:01 | 54 | 10/9/2016 4:06 | 58 | 11/9/2016 5:11 | 56 | 12/9/2016 6:16 |  |
| 7/9/2016 0:56 | 62 | 8/9/2016 2:01 | 61 | 9/9/2016 3:06 | 55 | 10/9/2016 4:11 | 61 | 11/9/2016 5:16 | 59 | 12/9/2016 6:21 |  |
| 7/9/2016 1:01 | 63 | 8/9/2016 2:06 | 58 | 9/9/2016 3:11 | 58 | 10/9/2016 4:16 | 60 | 11/9/2016 5:21 | 58 | 12/9/2016 6:26 |  |
| 7/9/2016 1:06 | 60 60 | 8/9/2016 2:11 | 62 57 | 9/9/2016 3:16 | 57 58 | 10/9/2016 4:21 10/9/2016 4:26 | 62 58 | 11/9/2016 5:26 11/9/2016 5:31 | 55 60 | 12/9/2016 6:31 12/9/2016 6:36 |  |


| Real-time Noise | Data | RTN4 (Causeway Ba | Co | entre) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12/9/2016 6:41 | 65 | 13/9/2016 23:46 | 65 | 15/9/2016 0:51 | 63 | 16/9/2016 1:56 | 61 | 17/9/2016 3:01 | 56 | 18/9/2016 4:06 | 54 |
| 12/9/2016 6:46 | 66 | 13/9/2016 23:51 | 65 | 15/9/2016 0:56 | 62 | 16/9/2016 2:01 | 58 | 17/9/2016 3:06 | 61 | 18/9/2016 4:11 | 54 |
| 12/9/2016 6:51 | 67 | 13/9/2016 23:56 | 65 | 15/9/2016 1:01 | 62 | 16/9/2016 2:06 | 59 | 17/9/2016 3:11 | 56 | 18/9/2016 4:16 | 44 |
| 12/9/2016 6:56 | 66 | 14/9/2016 0:01 | 64 | 15/9/2016 1:06 | 62 | 16/9/2016 2:11 | 57 | 17/9/2016 3:16 | 56 | 18/9/2016 4:21 | 58 |
| 12/9/2016 23:01 | 67 | 14/9/2016 0:06 | 65 | 15/9/2016 1:11 | 61 | 16/9/2016 2:16 | 57 | 17/9/2016 3:21 | 55 | 18/9/2016 4:26 | 55 |
| 12/9/2016 23:06 | 67 | 14/9/2016 0:11 | 65 | 15/9/2016 1:16 | 61 | 16/9/2016 2:21 | 61 | 17/9/2016 3:26 | 54 | 18/9/2016 4:31 | 49 |
| 12/9/2016 23:11 | 66 | 14/9/2016 0:16 | 65 | 15/9/2016 1:21 | 61 | 16/9/2016 2:26 | 60 | 17/9/2016 3:31 | 57 | 18/9/2016 4:36 | 1 |
| 12/9/2016 23:16 | 66 | 14/9/2016 0:21 | 64 | 15/9/2016 1:26 | 61 | 16/9/2016 2:31 | 57 | 17/9/2016 3:36 | 55 | 18/9/2016 4:41 | 61 |
| 12/9/2016 23:21 | 67 | 14/9/2016 0:26 | 65 | 15/9/2016 1:31 | 61 | 16/9/2016 2:36 | 57 | 17/9/2016 3:41 | 49 | 18/9/2016 4:46 | 41 |
| 12/9/2016 23:26 | 66 | 14/9/2016 0:31 | 64 | 15/9/2016 1:36 | 62 | 16/9/2016 2:41 | 57 | 17/9/2016 3:46 | 53 | 18/9/2016 4:51 | 51 |
| 12/9/2016 23:31 | 66 | 14/9/2016 0:36 | 64 | 15/9/2016 1:41 | 65 | 16/9/2016 2:46 | 58 | 17/9/2016 3:51 | 55 | 18/9/2016 4:56 | 60 |
| 12/9/2016 23:36 | 66 | 14/9/2016 0:41 | 63 | 15/9/2016 1:46 | 60 | 16/9/2016 2:51 | 55 | 17/9/2016 3:56 | 57 | 18/9/2016 5:01 | 60 |
| 12/9/2016 23:41 | 65 | 14/9/2016 0:46 | 63 | 15/9/2016 1:51 | 61 | 16/9/2016 2:56 | 55 | 17/9/2016 4:01 | 56 | 18/9/2016 5:06 | 39 |
| 12/9/2016 23:46 | 66 | 14/9/2016 0:51 | 63 | 15/9/2016 1:56 | 59 | 16/9/2016 3:01 | 56 | 17/9/2016 4:06 | 52 | 18/9/2016 5:11 | 60 |
| 12/9/2016 23:51 | 66 | 14/9/2016 0:56 | 62 | 15/9/2016 2:01 | 59 | 16/9/2016 3:06 | 57 | 17/9/2016 4:11 | 61 | 18/9/2016 5:16 | 60 |
| 12/9/2016 23:56 | 67 | 14/9/2016 1:01 | 64 | 15/9/2016 2:06 | 58 | 16/9/2016 3:11 | 60 | 17/9/2016 4:16 | 44 | 18/9/2016 5:21 | 61 |
| 13/9/2016 0:01 | 66 | 14/9/2016 1:06 | 62 | 15/9/2016 2:11 | 60 | 16/9/2016 3:16 | 57 | 17/9/2016 4:21 | 50 | 18/9/2016 5:26 | 61 |
| 13/9/2016 0:06 | 66 | 14/9/2016 1:11 | 63 | 15/9/2016 2:16 | 59 | 16/9/2016 3:21 | 52 | 17/9/2016 4:26 | 58 | 18/9/2016 5:31 | 47 |
| 13/9/2016 0:11 | 65 | 14/9/2016 1:16 | 62 | 15/9/2016 2:21 | 59 | 16/9/2016 3:26 | 60 | 17/9/2016 4:31 | 59 | 18/9/2016 5:36 | 56 |
| 13/9/2016 0:16 | 63 | 14/9/2016 1:21 | 63 | 15/9/2016 2:26 | 59 | 16/9/2016 3:31 | 58 | 17/9/2016 4:36 | 51 | 18/9/2016 5:41 | 3 |
| 13/9/2016 0:21 | 63 | 14/9/2016 1:26 | 63 | 15/9/2016 2:31 | 59 | 16/9/2016 3:36 | 56 | 17/9/2016 4:41 | 54 | 18/9/2016 5:46 | 56 |
| 13/9/2016 0:26 | 64 | 14/9/2016 1:31 | 62 | 15/9/2016 2:36 | 56 | 16/9/2016 3:41 | 56 | 17/9/2016 4:46 | 51 | 18/9/2016 5:51 | 52 |
| 13/9/2016 0:31 | 63 | 14/9/2016 1:36 | 61 | 15/9/2016 2:41 | 58 | 16/9/2016 3:46 | 56 | 17/9/2016 4:51 | 50 | 18/9/2016 5:56 | 55 |
| 13/9/2016 0:36 | 65 | 14/9/2016 1:41 | 61 | 15/9/2016 2:46 | 58 | 16/9/2016 3:51 | 60 | 17/9/2016 4:56 | 56 | 18/9/2016 6:01 | 51 |
| 13/9/2016 0:41 | 65 | 14/9/2016 1:46 | 62 | 15/9/2016 2:51 | 58 | 16/9/2016 3:56 | 58 | 17/9/2016 5:01 | 56 | 18/9/2016 6:06 | 58 |
| 13/9/2016 0:46 | 65 | 14/9/2016 1:51 | 62 | 15/9/2016 2:56 | 58 | 16/9/2016 4:01 | 48 | 17/9/2016 5:06 | 61 | 18/9/2016 6:11 | 58 |
| 13/9/2016 0:51 | 65 | 14/9/2016 1:56 | 60 | 15/9/2016 3:01 | 52 | 16/9/2016 4:06 | 59 | 17/9/2016 5:11 | 61 | 18/9/2016 6:16 | 61 |
| 13/9/2016 0:56 | 64 | 14/9/2016 2:01 | 61 | 15/9/2016 3:06 | 55 | 16/9/2016 4:11 | 56 | 17/9/2016 5:16 | 60 | 18/9/2016 6:21 | 59 |
| 13/9/2016 1:01 | 61 | 14/9/2016 2:06 | 60 | 15/9/2016 3:11 | 55 | 16/9/2016 4:16 | 61 | 17/9/2016 5:21 | 60 | 18/9/2016 6:26 | 59 |
| 13/9/2016 1:06 | 62 | 14/9/2016 2:11 | 58 | 15/9/2016 3:16 | 56 | 16/9/2016 4:21 | 51 | 17/9/2016 5:26 | 61 | 18/9/2016 6:31 | 61 |
| 13/9/2016 1:11 | 62 | 14/9/2016 2:16 | 59 | 15/9/2016 3:21 | 53 | 16/9/2016 4:26 | 61 | 17/9/2016 5:31 | 53 | 18/9/2016 6:36 | 61 |
| 13/9/2016 1:16 | 64 | 14/9/2016 2:21 | 61 | 15/9/2016 3:26 | 54 | 16/9/2016 4:31 | 38 | 17/9/2016 5:36 | 57 | 18/9/2016 6:41 | 61 |
| 13/9/2016 1:21 | 65 | 14/9/2016 2:26 | 61 | 15/9/2016 3:31 | 54 | 16/9/2016 4:36 | 39 | 17/9/2016 5:41 | 56 | 18/9/2016 6:46 | 61 |
| 13/9/2016 1:26 | 63 | 14/9/2016 2:31 | 61 | 15/9/2016 3:36 | 54 | 16/9/2016 4:41 | 48 | 17/9/2016 5:46 | 57 | 18/9/2016 6:51 | 61 |
| 13/9/2016 1:31 | 63 | 14/9/2016 2:36 | 59 | 15/9/2016 3:41 | 56 | 16/9/2016 4:46 | 54 | 17/9/2016 5:51 | 57 | 18/9/2016 6:56 | 60 |
| 13/9/2016 1:36 | 64 | 14/9/2016 2:41 | 58 | 15/9/2016 3:46 | 54 | 16/9/2016 4:51 | 52 | 17/9/2016 5:56 | 57 | 18/9/2016 23:01 | 59 |
| 13/9/2016 1:41 | 58 | 14/9/2016 2:46 | 61 | 15/9/2016 3:51 | 53 | 16/9/2016 4:56 | 61 | 17/9/2016 6:01 | 56 | 18/9/2016 23:06 | 1 |
| 13/9/2016 1:46 | 60 | 14/9/2016 2:51 | 61 | 15/9/2016 3:56 | 57 | 16/9/2016 5:01 | 58 | 17/9/2016 6:06 | 60 | 18/9/2016 23:11 | 60 |
| 13/9/2016 1:51 | 59 | 14/9/2016 2:56 | 57 | 15/9/2016 4:01 | 53 | 16/9/2016 5:06 | 53 | 17/9/2016 6:11 | 59 | 18/9/2016 23:16 | 60 |
| 13/9/2016 1:56 | 59 | 14/9/2016 3:01 | 60 | 15/9/2016 4:06 | 57 | 16/9/2016 5:11 | 54 | 17/9/2016 6:16 | 60 | 18/9/2016 23:21 | 61 |
| 13/9/2016 2:01 | 56 | 14/9/2016 3:06 | 62 | 15/9/2016 4:11 | 50 | 16/9/2016 5:16 | 48 | 17/9/2016 6:21 | 60 | 18/9/2016 23:26 | 59 |
| 13/9/2016 2:06 | 54 | 14/9/2016 3:11 | 62 | 15/9/2016 4:16 | 52 | 16/9/2016 5:21 | 52 | 17/9/2016 6:26 | 62 | 18/9/2016 23:31 | 59 |
| 13/9/2016 2:11 | 58 | 14/9/2016 3:16 | 60 | 15/9/2016 4:21 | 42 | 16/9/2016 5:26 | 52 | 17/9/2016 6:31 | 63 | 18/9/2016 23:36 | 59 |
| 13/9/2016 2:16 | 46 | 14/9/2016 3:21 | 61 | 15/9/2016 4:26 | 54 | 16/9/2016 5:31 | 54 | 17/9/2016 6:36 | 62 | 18/9/2016 23:41 | 60 |
| 13/9/2016 2:21 | 63 | 14/9/2016 3:26 | 58 | 15/9/2016 4:31 | 55 | 16/9/2016 5:36 | 59 | 17/9/2016 6:41 | 63 | 18/9/2016 23:46 | 60 |
| 13/9/2016 2:26 | 63 | 14/9/2016 3:31 | 56 | 15/9/2016 4:36 | 56 | 16/9/2016 5:41 | 59 | 17/9/2016 6:46 | 62 | 18/9/2016 23:51 | 59 |
| 13/9/2016 2:31 | 63 | 14/9/2016 3:36 | 60 | 15/9/2016 4:41 | 58 | 16/9/2016 5:46 | 59 | 17/9/2016 6:51 | 62 | 18/9/2016 23:56 | 58 |
| 13/9/2016 2:36 | 58 | 14/9/2016 3:41 | 58 | 15/9/2016 4:46 | 58 | 16/9/2016 5:51 | 57 | 17/9/2016 6:56 | 62 | 19/9/2016 0:01 | 57 |
| 13/9/2016 2:41 | 50 | 14/9/2016 3:46 | 59 | 15/9/2016 4:51 | 49 | 16/9/2016 5:56 | 59 | 17/9/2016 23:01 | 62 | 19/9/2016 0:06 | 58 |
| 13/9/2016 2:46 | 56 | 14/9/2016 3:51 | 59 | 15/9/2016 4:56 | 55 | 16/9/2016 6:01 | 59 | 17/9/2016 23:06 | 62 | 19/9/2016 0:11 | 58 |
| 13/9/2016 2:51 | 62 | 14/9/2016 3:56 | 55 | 15/9/2016 5:01 | 61 | 16/9/2016 6:06 | 60 | 17/9/2016 23:11 | 62 | 19/9/2016 0:16 | 59 |
| 13/9/2016 2:56 | 62 | 14/9/2016 4:01 | 56 | 15/9/2016 5:06 | 56 | 16/9/2016 6:11 | 61 | 17/9/2016 23:16 | 61 | 19/9/2016 0:21 | 54 |
| 13/9/2016 3:01 | 61 | 14/9/2016 4:06 | 59 | 15/9/2016 5:11 | 58 | 16/9/2016 6:16 | 60 | 17/9/2016 23:21 | 63 | 19/9/2016 0:26 | 55 |
| 13/9/2016 3:06 | 62 | 14/9/2016 4:11 | 60 | 15/9/2016 5:16 | 57 | 16/9/2016 6:21 | 61 | 17/9/2016 23:26 | 61 | 19/9/2016 0:31 | 58 |
| 13/9/2016 3:11 | 56 | 14/9/2016 4:16 | 55 | 15/9/2016 5:21 | 55 | 16/9/2016 6:26 | 61 | 17/9/2016 23:31 | 61 | 19/9/2016 0:36 | 54 |
| 13/9/2016 3:16 | 55 | 14/9/2016 4:21 | 59 | 15/9/2016 5:26 | 58 | 16/9/2016 6:31 | 61 | 17/9/2016 23:36 | 60 | 19/9/2016 0:41 | 57 |
| 13/9/2016 3:21 | 52 | 14/9/2016 4:26 | 58 | 15/9/2016 5:31 | 57 | 16/9/2016 6:36 | 62 | 17/9/2016 23:41 | 61 | 19/9/2016 0:46 | 54 |
| 13/9/2016 3:26 | 61 | 14/9/2016 4:31 | 52 | 15/9/2016 5:36 | 61 | 16/9/2016 6:41 | 63 | 17/9/2016 23:46 | 61 | 19/9/2016 0:51 | 56 |
| 13/9/2016 3:31 | 62 | 14/9/2016 4:36 | 57 | 15/9/2016 5:41 | 61 | 16/9/2016 6:46 | 62 | 17/9/2016 23:51 | 59 | 19/9/2016 0:56 | 54 |
| 13/9/2016 3:36 | 62 | 14/9/2016 4:41 | 59 | 15/9/2016 5:46 | 60 | 16/9/2016 6:51 | 62 | 17/9/2016 23:56 | 62 | 19/9/2016 1:01 | 56 |
| 13/9/2016 3:41 | 61 | 14/9/2016 4:46 | 56 | 15/9/2016 5:51 | 62 | 16/9/2016 6:56 | 61 | 18/9/2016 0:01 | 61 | 19/9/2016 1:06 | 51 |
| 13/9/2016 3:46 | 60 | 14/9/2016 4:51 | 57 | 15/9/2016 5:56 | 62 | 16/9/2016 23:01 | 64 | 18/9/2016 0:06 | 64 | 19/9/2016 1:11 | 56 |
| 13/9/2016 3:51 | 56 | 14/9/2016 4:56 | 58 | 15/9/2016 6:01 | 62 | 16/9/2016 23:06 | 63 | 18/9/2016 0:11 | 60 | 19/9/2016 1:16 | 58 |
| 13/9/2016 3:56 | 56 | 14/9/2016 5:01 | 59 | 15/9/2016 6:06 | 62 | 16/9/2016 23:11 | 65 | 18/9/2016 0:16 | 58 | 19/9/2016 1:21 | 56 |
| 13/9/2016 4:01 | 62 | 14/9/2016 5:06 | 60 | 15/9/2016 6:11 | 64 | 16/9/2016 23:16 | 64 | 18/9/2016 0:21 | 61 | 19/9/2016 1:26 | 52 |
| 13/9/2016 4:06 | 62 | 14/9/2016 5:11 | 60 | 15/9/2016 6:16 | 64 | 16/9/2016 23:21 | 63 | 18/9/2016 0:26 | 61 | 19/9/2016 1:31 | 51 |
| 13/9/2016 4:11 | 62 | 14/9/2016 5:16 | 55 | 15/9/2016 6:21 | 64 | 16/9/2016 23:26 | 63 | 18/9/2016 0:31 | 62 | 19/9/2016 1:36 | 53 |
| 13/9/2016 4:16 | 55 | 14/9/2016 5:21 | 54 | 15/9/2016 6:26 | 65 | 16/9/2016 23:31 | 63 | 18/9/2016 0:36 | 60 | 19/9/2016 1:41 | 60 |
| 13/9/2016 4:21 | 55 | 14/9/2016 5:26 | 60 | 15/9/2016 6:31 | 64 | 16/9/2016 23:36 | 63 | 18/9/2016 0:41 | 61 | 19/9/2016 1:46 | 60 |
| 13/9/2016 4:26 | 57 | 14/9/2016 5:31 | 59 | 15/9/2016 6:36 | 66 | 16/9/2016 23:41 | 62 | 18/9/2016 0:46 | 59 | 19/9/2016 1:51 | 39 |
| 13/9/2016 4:31 | 60 | 14/9/2016 5:36 | 61 | 15/9/2016 6:41 | 67 | 16/9/2016 23:46 | 63 | 18/9/2016 0:51 | 59 | 19/9/2016 1:56 | 44 |
| 13/9/2016 4:36 | 61 | 14/9/2016 5:41 | 61 | 15/9/2016 6:46 | 66 | 16/9/2016 23:51 | 62 | 18/9/2016 0:56 | 60 | 19/9/2016 2:01 | 41 |
| 13/9/2016 4:41 | 53 | 14/9/2016 5:46 | 59 | 15/9/2016 6:51 | 66 | 16/9/2016 23:56 | 63 | 18/9/2016 1:01 | 61 | 19/9/2016 2:06 | 61 |
| 13/9/2016 4:46 | 60 | 14/9/2016 5:51 | 60 | 15/9/2016 6:56 | 66 | 17/9/2016 0:01 | 63 | 18/9/2016 1:06 | 58 | 19/9/2016 2:11 | 42 |
| 13/9/2016 4:51 | 61 | 14/9/2016 5:56 | 62 | 15/9/2016 23:01 | 61 | 17/9/2016 0:06 | 62 | 18/9/2016 1:11 | 60 | 19/9/2016 2:16 | 59 |
| 13/9/2016 4:56 | 58 | 14/9/2016 6:01 | 62 | 15/9/2016 23:06 | 63 | 17/9/2016 0:11 | 64 | 18/9/2016 1:16 | 59 | 19/9/2016 2:21 | 59 |
| 13/9/2016 5:01 | 61 | 14/9/2016 6:06 | 63 | 15/9/2016 23:11 | 63 | 17/9/2016 0:16 | 63 | 18/9/2016 1:21 | 57 | 19/9/2016 2:26 | 60 |
| 13/9/2016 5:06 | 59 | 14/9/2016 6:11 | 62 | 15/9/2016 23:16 | 63 | 17/9/2016 0:21 | 61 | 18/9/2016 1:26 | 57 | 19/9/2016 2:31 | 60 |
| 13/9/2016 5:11 | 63 | 14/9/2016 6:16 | 65 | 1599/2016 23:21 | 63 | 17/9/2016 0:26 | 63 | 18/9/2016 1:31 | 59 | 19/9/2016 2:36 | 61 |
| 13/9/2016 5:16 | 63 | 14/9/2016 6:21 | 65 | 15/9/2016 23:26 | 63 | 17/9/2016 0:31 | 62 | 18/9/2016 1:36 | 60 | 19/9/2016 2:41 | 60 |
| 13/9/2016 5:21 | 62 | 14/9/2016 6:26 | 65 | 15/9/2016 23:31 | 63 | 17/9/2016 0:36 | 62 | 18/9/2016 1:41 | 58 | 19/9/2016 2:46 | 60 |
| 13/9/2016 5:26 | 62 | 14/9/2016 6:31 | 66 | 1599/2016 23:36 | 63 | 1779/2016 0:41 | 61 | 18/9/2016 1:46 | 56 | 19/9/2016 2:51 | 60 |
| 13/9/2016 5:31 | 57 | 14/9/2016 6:36 | 66 | 15/9/2016 23:41 | 62 | 17/9/2016 0:46 | 61 | 18/9/2016 1:51 | 61 | 19/9/2016 2:56 | 59 |
| 13/9/2016 5:36 | 57 | 14/9/2016 6:41 | 66 | 1599/2016 23:46 | 62 | 17/9/2016 0:51 | 60 | 18/9/2016 1:56 | 58 | 19/9/2016 3:01 | 60 |
| 13/9/2016 5:41 | 59 | 14/9/2016 6:46 | 66 | 15/9/2016 23:51 | 62 | 17/9/2016 0:56 | 60 | 18/9/2016 2:01 | 59 | 19/9/2016 3:06 | 59 |
| 13/9/2016 5:46 | 63 | 14/9/2016 6:51 | 67 | 15/9/2016 23:56 | 62 | 17/9/2016 1:01 | 61 | 18/9/2016 2:06 | 58 | 19/9/2016 3:11 | 61 |
| 13/9/2016 5:51 | 65 | 14/9/2016 6:56 | 65 | 16/9/2016 0:01 | 62 | 17/9/2016 1:06 | 59 | 18/9/2016 2:11 | 58 | 19/9/2016 3:16 | 59 |
| 13/9/2016 5:56 | 65 | 14/9/2016 23:01 | 65 | 16/9/2016 0:06 | 62 | 17/9/2016 1:11 | 59 | 18/9/2016 2:16 | 56 | 19/9/2016 3:21 | 61 |
| 13/9/2016 6:01 | 65 | 14/9/2016 23:06 | 66 | 16/9/2016 0:11 | 62 | 17/99/2016 1:16 | 61 | 18/9/2016 2:21 | 58 | 19/9/2016 3:26 | 60 |
| 13/9/2016 6:06 | 65 | 14/9/2016 23:11 | 66 | 16/9/2016 0:16 | 62 | 17/9/2016 1:21 | 59 | 18/9/2016 2:26 | 59 | 19/9/2016 3:31 | 60 |
| 13/9/2016 6:11 | 65 | 14/9/2016 23:16 | 65 | 16/9/2016 0:21 | 62 | 17/9/2016 1:26 | 58 | 18/9/2016 2:31 | 57 | 19/9/2016 3:36 |  |
| 13/9/2016 6:16 | 64 | 14/9/2016 23:21 | 65 | 16/9/2016 0:26 | 62 | 17/9/2016 1:31 | 60 | 18/9/2016 2:36 | 55 | 19/9/2016 3:41 | 61 |
| 13/9/2016 6:21 | 65 | 14/9/2016 23:26 | 65 | 16/9/2016 0:31 | 62 | 17/9/2016 1:36 | 61 | 18/9/2016 2:41 | 58 | 19/9/2016 3:46 | 59 |
| 13/9/2016 6:26 | 65 | 14/9/2016 23:31 | 66 | 16/9/2016 0:36 | 60 | 17/9/2016 1:41 | 59 | 18/9/2016 2:46 | 57 | 19/9/2016 3:51 | 59 |
| 13/9/2016 6:31 | 65 | 14/9/2016 23:36 | 65 | 16/9/2016 0:41 | 63 | 17/9/2016 1:46 | 59 | 18/9/2016 2:51 | 55 | 19/9/2016 3:56 | 59 |
| 13/9/2016 6:36 | 66 | 14/9/2016 23:41 | 65 | 16/9/2016 0:46 | 61 | 17/9/2016 1:51 | 58 | 18/9/2016 2:56 | 54 | 19/9/2016 4:01 | 60 |
| 13/9/2016 6:41 | 66 | 14/9/2016 23:46 | 65 | 16/9/2016 0:51 | 63 | 17/9/2016 1:56 | 57 | 18/9/2016 3:01 | 60 | 19/9/2016 4:06 | 60 |
| 13/9/2016 6:46 | 66 | 14/9/2016 23:51 | 65 | 16/9/2016 0:56 | 62 | 17/9/2016 2:01 | 57 | 18/9/2016 3:06 | 56 | 19/9/2016 4:11 | 59 |
| 13/9/2016 6:51 | 67 | 14/9/2016 23:56 | 65 | 16/9/2016 1:01 | 61 | 17/9/2016 2:06 | 57 | 18/9/2016 3:11 | 49 | 19/9/2016 4:16 |  |
| 13/9/2016 6:56 | 66 | 15/9/2016 0:01 | 65 | 16/9/2016 1:06 | 61 | 17/9/2016 2:11 | 60 | 18/9/2016 3:16 | 56 | 19/9/2016 4:21 | 60 |
| 13/9/2016 23:01 | 65 | 15/9/2016 0:06 | 64 | 16/9/2016 1:11 | 60 | 17/9/2016 2:16 | 59 | 18/9/2016 3:21 | 57 | 19/9/2016 4:26 | 58 |
| 13/9/2016 23:06 | 65 | 15/9/2016 0:11 | 64 | 16/9/2016 1:16 | 60 | 17/9/2016 2:21 | 58 | 18/9/2016 3:26 | 44 | 19/9/2016 4:31 | 59 |
| 13/9/2016 23:11 | 66 | 15/9/2016 0:16 | 64 | 16/9/2016 1:21 | 59 | 17/9/2016 2:26 | 54 | 18/9/2016 3:31 | 57 | 19/9/2016 4:36 | 59 |
| 13/9/2016 23:16 | 65 | 15/9/2016 0:21 | 63 | 16/9/2016 1:26 | 58 | 17/9/2016 2:31 | 58 | 18/9/2016 3:36 | 56 | 19/9/2016 4:41 | 60 |
| 13/9/2016 23:21 | 65 | 15/9/2016 0:26 | 64 | 16/9/2016 1:31 | 59 | 17/9/2016 2:36 | 57 | 18/9/2016 3:41 | 53 | 19/9/2016 4:46 | 60 |
| 13/9/2016 23:26 | 65 | 15/9/2016 0:31 | 63 | 16/9/2016 1:36 | 62 | 17/9/2016 2:41 | 58 | 18/9/2016 3:46 | 57 | 19/9/2016 4:51 | 59 |
| 13/9/2016 23:31 | 65 | 15/9/2016 0:36 | 63 | 16/9/2016 1:41 | 59 | 1779/2016 2:46 | 58 | 18/9/2016 3:51 | 57 | 19/9/2016 4:56 |  |
| $\begin{aligned} & \text { 13/9/2016 23:36 } \\ & 13 / 9 / 201623: 41 \end{aligned}$ | $\begin{aligned} & 65 \\ & 65 \end{aligned}$ | 15/9/2016 0:41 | 63 64 | 16/9/2016 1:46 16/9/2016 1:51 | $\begin{aligned} & 60 \\ & 60 \end{aligned}$ | 17/9/2016 2:51 17/9/2016 2:56 | 58 58 | 18/9/2016 3:56 | 53 52 | 19/9/2016 5:01 19/9/2016 5:06 |  |


| Real-time Noise | Data | RTN4 (Causeway Ba | Com | entre) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19/9/2016 5:11 | 60 | 20/9/2016 6:16 | 66 | 21/9/2016 23:21 | 62 | 23/9/2016 0:26 | 59 | 24/9/2016 1:31 | 58 | 25/9/2016 2:36 | 52 |
| 19/9/2016 5:16 | 59 | 20/9/2016 6:21 | 67 | 21/9/2016 23:26 | 63 | 23/9/2016 0:31 | 61 | 24/9/2016 1:36 | 58 | 25/9/2016 2:41 | 45 |
| 19/9/2016 5:21 | 47 | 20/9/2016 6:26 | 67 | 21/9/2016 23:31 | 62 | 23/9/2016 0:36 | 59 | 24/9/2016 1:41 | 58 | 25/9/2016 2:46 | 50 |
| 19/9/2016 5:26 | 61 | 20/9/2016 6:31 | 66 | 21/9/2016 23:36 | 63 | 23/9/2016 0:41 | 60 | 24/9/2016 1:46 | 56 | 25/9/2016 2:51 | 41 |
| 19/9/2016 5:31 | 48 | 20/9/2016 6:36 | 67 | 21/9/2016 23:41 | 62 | 23/9/2016 0:46 | 61 | 24/9/2016 1:51 | 57 | 25/9/2016 2:56 | 55 |
| 19/9/2016 5:36 | 48 | 20/9/2016 6:41 | 67 | 21/9/2016 23:46 | 61 | 23/9/2016 0:51 | 58 | 24/9/2016 1:56 | 57 | 25/9/2016 3:01 | 61 |
| 19/9/2016 5:41 | 59 | 20/9/2016 6:46 | 66 | 21/9/2016 23:51 | 62 | 23/9/2016 0:56 | 60 | 24/9/2016 2:01 | 59 | 25/9/2016 3:06 | 1 |
| 19/9/2016 5:46 | 53 | 20/9/2016 6:51 | 67 | 21/9/2016 23:56 | 61 | 23/9/2016 1:01 | 59 | 24/9/2016 2:06 | 56 | 25/9/2016 3:11 | 49 |
| 19/9/2016 5:51 | 59 | 20/9/2016 6:56 | 65 | 22/9/2016 0:01 | 60 | 23/9/2016 1:06 | 58 | 24/9/2016 2:11 | 59 | 25/9/2016 3:16 | 49 |
| 19/9/2016 5:56 | 58 | 20/9/2016 23:01 | 65 | 22/9/2016 0:06 | 62 | 23/9/2016 1:11 | 59 | 24/9/2016 2:16 | 57 | 25/9/2016 3:21 | 61 |
| 19/9/2016 6:01 | 53 | 20/9/2016 23:06 | 64 | 22/9/2016 0:11 | 60 | 23/9/2016 1:16 | 58 | 24/9/2016 2:21 | 56 | 25/9/2016 3:26 | 61 |
| 19/9/2016 6:06 | 60 | 20/9/2016 23:11 | 64 | 22/9/2016 0:16 | 60 | 23/9/2016 1:21 | 57 | 24/9/2016 2:26 | 61 | 25/9/2016 3:31 | 52 |
| 19/9/2016 6:11 | 61 | 20/9/2016 23:16 | 65 | 22/9/2016 0:21 | 61 | 23/9/2016 1:26 | 57 | 24/9/2016 2:31 | 54 | 25/9/2016 3:36 | 60 |
| 19/9/2016 6:16 | 62 | 20/9/2016 23:21 | 64 | 22/9/2016 0:26 | 60 | 23/9/2016 1:31 | 59 | 24/9/2016 2:36 | 53 | 25/9/2016 3:41 | 38 |
| 19/9/2016 6:21 | 62 | 20/9/2016 23:26 | 63 | 22/9/2016 0:31 | 58 | 23/9/2016 1:36 | 55 | 24/9/2016 2:41 | 49 | 25/9/2016 3:46 | 60 |
| 19/9/2016 6:26 | 62 | 20/9/2016 23:31 | 64 | 22/9/2016 0:36 | 60 | 23/9/2016 1:41 | 55 | 24/9/2016 2:46 | 41 | 25/9/2016 3:51 | 61 |
| 19/9/2016 6:31 | 63 | 20/9/2016 23:36 | 63 | 22/9/2016 0:41 | 59 | 23/9/2016 1:46 | 52 | 24/9/2016 2:51 | 55 | 25/9/2016 3:56 | 60 |
| 19/9/2016 6:36 | 63 | 20/9/2016 23:41 | 63 | 22/9/2016 0:46 | 58 | 23/9/2016 1:51 | 58 | 24/9/2016 2:56 | 55 | 25/9/2016 4:01 | 55 |
| 19/9/2016 6:41 | 63 | 20/9/2016 23:46 | 63 | 22/9/2016 0:51 | 58 | 23/9/2016 1:56 | 54 | 24/9/2016 3:01 | 57 | 25/9/2016 4:06 | 60 |
| 19/9/2016 6:46 | 64 | 20/9/2016 23:51 | 63 | 22/9/2016 0:56 | 57 | 23/9/2016 2:01 | 60 | 24/9/2016 3:06 | 54 | 25/9/2016 4:11 | 60 |
| 19/9/2016 6:51 | 63 | 20/9/2016 23:56 | 62 | 22/9/2016 1:01 | 60 | 23/9/2016 2:06 | 54 | 24/9/2016 3:11 | 51 | 25/9/2016 4:16 | 60 |
| 19/9/2016 6:56 | 63 | 21/9/2016 0:01 | 63 | 22/9/2016 1:06 | 57 | 23/9/2016 2:11 | 61 | 24/9/2016 3:16 | 50 | 25/9/2016 4:21 | 60 |
| 19/9/2016 23:01 | 61 | 21/9/2016 0:06 | 61 | 22/9/2016 1:11 | 57 | 23/9/2016 2:16 | 55 | 24/9/2016 3:21 | 55 | 25/9/2016 4:26 | 42 |
| 19/9/2016 23:06 | 61 | 21/9/2016 0:11 | 63 | 22/9/2016 1:16 | 57 | 23/9/2016 2:21 | 57 | 24/9/2016 3:26 | 51 | 25/9/2016 4:31 | 61 |
| 19/9/2016 23:11 | 61 | 21/9/2016 0:16 | 61 | 22/9/2016 1:21 | 57 | 23/9/2016 2:26 | 47 | 24/9/2016 3:31 | 55 | 25/9/2016 4:36 | 60 |
| 19/9/2016 23:16 | 62 | 21/9/2016 0:21 | 61 | 22/9/2016 1:26 | 58 | 23/9/2016 2:31 | 51 | 24/9/2016 3:36 | 50 | 25/9/2016 4:41 | 60 |
| 19/9/2016 23:21 | 61 | 21/9/2016 0:26 | 66 | 22/9/2016 1:31 | 54 | 23/9/2016 2:36 | 61 | 24/9/2016 3:41 | 61 | 25/9/2016 4:46 | 59 |
| 19/9/2016 23:26 | 61 | 21/9/2016 0:31 | 63 | 22/9/2016 1:36 | 58 | 23/9/2016 2:41 | 54 | 24/9/2016 3:46 | 49 | 25/9/2016 4:51 | 60 |
| 19/9/2016 23:31 | 61 | 21/9/2016 0:36 | 61 | 22/9/2016 1:41 | 53 | 23/9/2016 2:46 | 45 | 24/9/2016 3:51 | 61 | 25/9/2016 4:56 | 60 |
| 19/9/2016 23:36 | 59 | 21/9/2016 0:41 | 61 | 22/9/2016 1:46 | 53 | 23/9/2016 2:51 | 58 | 24/9/2016 3:56 | 44 | 25/9/2016 5:01 | 60 |
| 19/9/2016 23:41 | 61 | 21/9/2016 0:46 | 61 | 22/9/2016 1:51 | 57 | 23/9/2016 2:56 | 53 | 24/9/2016 4:01 | 61 | 25/9/2016 5:06 | 60 |
| 19/9/2016 23:46 | 60 | 21/9/2016 0:51 | 60 | 22/9/2016 1:56 | 57 | 23/9/2016 3:01 | 60 | 24/9/2016 4:06 | 60 | 25/9/2016 5:11 | 61 |
| 19/9/2016 $23: 51$ | 60 | 21/9/2016 0:56 | 60 | 22/9/2016 2:01 | 51 | 23/9/2016 3:06 | 47 | 24/9/2016 4:11 | 60 | 25/9/2016 5:16 | 61 |
| 19/9/2016 $23: 56$ | 61 | 21/9/2016 1:01 | 61 | 22/9/2016 2:06 | 57 | 23/9/2016 3:11 | 61 | 24/9/2016 4:16 | 60 | 25/9/2016 5:21 | 60 |
| 20/9/2016 0:01 | 62 | 21/9/2016 1:06 | 59 | 22/9/2016 2:11 | 42 | 23/9/2016 3:16 | 61 | 24/9/2016 4:21 | 60 | 25/9/2016 5:26 | 60 |
| 20/9/2016 0:06 | 63 | 21/9/2016 1:11 | 61 | 22/9/2016 2:16 | 49 | 23/9/2016 3:21 | 61 | 24/9/2016 4:26 | 60 | 25/9/2016 5:31 | 59 |
| 20/9/2016 0:11 | 63 | 21/9/2016 1:16 | 58 | 22/9/2016 2:21 | 55 | 23/9/2016 3:26 | 45 | 24/9/2016 4:31 | 45 | 25/9/2016 5:36 | 61 |
| 20/9/2016 0:16 | 63 | 21/9/2016 1:21 | 59 | 22/9/2016 2:26 | 60 | 23/9/2016 3:31 | 52 | 24/9/2016 4:36 | 48 | 25/9/2016 5:41 | 60 |
| 20/9/2016 0:21 | 65 | 21/9/2016 1:26 | 61 | 22/9/2016 2:31 | 61 | 23/9/2016 3:36 | 60 | 24/9/2016 4:41 | 60 | 25/9/2016 5:46 | 60 |
| 20/9/2016 0:26 | 63 | 21/9/2016 1:31 | 57 | 22/9/2016 2:36 | 52 | 23/9/2016 3:41 | 61 | 24/9/2016 4:46 | 60 | 25/9/2016 5:51 | 60 |
| 20/9/2016 0:31 | 62 | 21/9/2016 1:36 | 56 | 22/9/2016 2:41 | 61 | 23/9/2016 3:46 | 57 | 24/9/2016 4:51 | 60 | 25/9/2016 5:56 | 60 |
| 20/9/2016 0:36 | 63 | 21/9/2016 1:41 | 58 | 22/9/2016 2:46 | 61 | 23/9/2016 3:51 | 60 | 24/9/2016 4:56 | 61 | 25/9/2016 6:01 | 60 |
| 20/9/2016 0:41 | 62 | 21/9/2016 1:46 | 58 | 22/9/2016 2:51 | 61 | 23/9/2016 3:56 | 47 | 24/9/2016 5:01 | 61 | 25/9/2016 6:06 | 45 |
| 20/9/2016 0:46 | 61 | 21/9/2016 1:51 | 59 | 22/9/2016 2:56 | 49 | 23/9/2016 4:01 | 60 | 24/9/2016 5:06 | 60 | 25/9/2016 6:11 | 47 |
| 20/9/2016 0:51 | 62 | 21/9/2016 1:56 | 58 | 22/9/2016 3:01 | 48 | 23/9/2016 4:06 | 60 | 24/9/2016 5:11 | 60 | 25/9/2016 6:16 | 48 |
| 20/9/2016 0:56 | 61 | 21/9/2016 2:01 | 56 | 22/9/2016 3:06 | 52 | 23/9/2016 4:11 | 60 | 24/9/2016 5:16 | 60 | 25/9/2016 6:21 | 47 |
| 20/9/2016 1:01 | 60 | 21/9/2016 2:06 | 57 | 22/9/2016 3:11 | 60 | 23/9/2016 4:16 | 61 | 24/9/2016 5:21 | 61 | 25/9/2016 6:26 | 54 |
| 20/9/2016 1:06 | 61 | 219/2016 2:11 | 57 | 22/9/2016 3:16 | 60 | 23/9/2016 4:21 | 44 | 24/9/2016 5:26 | 61 | 25/9/2016 6:31 | 58 |
| 20/9/2016 1:11 | 60 | 21/9/2016 2:16 | 58 | 22/9/2016 3:21 | 60 | 23/9/2016 4:26 | 49 | 24/9/2016 5:31 | 44 | 25/9/2016 6:36 | 53 |
| 20/9/2016 1:16 | 60 | 21/9/2016 2:21 | 55 | 22/9/2016 3:26 | 58 | 23/9/2016 4:31 | 61 | 24/9/2016 5:36 | 61 | 25/9/2016 6:41 | 59 |
| 20/9/2016 1:21 | 59 | 21/9/2016 2:26 | 52 | 22/9/2016 3:31 | 59 | 23/9/2016 4:36 | 61 | 24/9/2016 5:41 | 61 | 25/9/2016 6:46 | 57 |
| 20/9/2016 1:26 | 60 | 21/9/2016 2:31 | 58 | 22/9/2016 3:36 | 60 | 23/9/2016 4:41 | 60 | 24/9/2016 5:46 | 51 | 25/9/2016 6:51 | 57 |
| 20/9/2016 1:31 | 61 | 21/9/2016 2:36 | 58 | 22/9/2016 3:41 | 60 | 23/9/2016 4:46 | 60 | 24/9/2016 5:51 | 53 | 25/9/2016 6:56 | 58 |
| 20/9/2016 1:36 | 58 | 21/9/2016 2:41 | 47 | 22/9/2016 3:46 | 60 | 23/9/2016 4:51 | 60 | 24/9/2016 5:56 | 50 | 25/9/2016 23:01 | 51 |
| 20/9/2016 1:41 | 60 | 21/9/2016 2:46 | 52 | 22/9/2016 3:51 | 60 | 23/9/2016 4:56 | 61 | 24/9/2016 6:01 | 56 | 25/9/2016 23:06 | 56 |
| 20/9/2016 1:46 | 58 | 21/9/2016 2:51 | 58 | 22/9/2016 3:56 | 59 | 23/9/2016 5:01 | 60 | 24/9/2016 6:06 | 57 | 25/9/2016 23:11 | 54 |
| 20/9/2016 1:51 | 61 | 21/9/2016 2:56 | 51 | 22/9/2016 4:01 | 60 | 23/9/2016 5:06 | 60 | 24/9/2016 6:11 | 57 | 25/9/2016 23:16 | 56 |
| 20/9/2016 1:56 | 59 | 21/9/2016 3:01 | 55 | 22/9/2016 4:06 | 45 | 23/9/2016 5:11 | 61 | 24/9/2016 6:16 | 57 | 25/9/2016 23:21 | 57 |
| 20/9/2016 2:01 | 64 | 21/9/2016 3:06 | 42 | 22/9/2016 4:11 | 60 | 23/9/2016 5:16 | 53 | 24/9/2016 6:21 | 58 | 25/9/2016 23:26 | 53 |
| 20/9/2016 2:06 | 61 | 2199/2016 3:11 | 54 | 22/9/2016 4:16 | 46 | 23/9/2016 5:21 | 55 | 24/9/2016 6:26 | 59 | 25/9/2016 23:31 | 51 |
| 20/9/2016 2:11 | 58 | 21/9/2016 3:16 | 50 | 22/9/2016 4:21 | 59 | 23/9/2016 5:26 | 61 | 24/9/2016 6:31 | 60 | 25/9/2016 23:36 | 53 |
| 20/9/2016 2:16 | 57 | 21/9/2016 3:21 | 55 | 22/9/2016 4:26 | 49 | 23/9/2016 5:31 | 51 | 24/9/2016 6:36 | 61 | 25/9/2016 23:41 | 54 |
| 20/9/2016 2:21 | 59 | 21/9/2016 3:26 | 60 | 22/9/2016 4:31 | 59 | 23/9/2016 5:36 | 57 | 24/9/2016 6:41 | 61 | 25/9/2016 23:46 | 55 |
| 20/9/2016 2:26 | 60 | 21/9/2016 3:31 | 53 | 22/9/2016 4:36 | 60 | 23/9/2016 5:41 | 52 | 24/9/2016 6:46 | 61 | 25/9/2016 23:51 | 55 |
| 20/9/2016 2:31 | 63 | 21/9/2016 3:36 | 52 | 22/9/2016 4:41 | 53 | 23/9/2016 5:46 | 56 | 24/9/2016 6:51 | 62 | 25/9/2016 23:56 | 56 |
| 20/9/2016 2:36 | 67 | 21/9/2016 3:41 | 54 | 22/9/2016 4:46 | 61 | 23/9/2016 5:51 | 57 | 24/9/2016 6:56 | 62 | 26/9/2016 0:01 | 48 |
| 20/9/2016 2:41 | 62 | 21/9/2016 3:46 | 49 | 22/9/2016 4:51 | 61 | 23/9/2016 5:56 | 58 | 24/9/2016 23:01 | 58 | 26/9/2016 0:06 | 53 |
| 20/9/2016 2:46 | 59 | 21/9/2016 3:51 | 53 | 22/9/2016 4:56 | 61 | 23/9/2016 6:01 | 55 | 24/9/2016 23:06 | 59 | 26/9/2016 0:11 | 52 |
| 20/9/2016 2:51 | 60 | 21/9/2016 3:56 | 55 | 22/9/2016 5:01 | 61 | 23/9/2016 6:06 | 60 | 24/9/2016 23:11 | 59 | 26/9/2016 0:16 | 60 |
| 20/9/2016 2:56 | 55 | 21/9/2016 4:01 | 61 | 22/9/2016 5:06 | 51 | 23/9/2016 6:11 | 59 | 24/9/2016 23:16 | 58 | 26/9/2016 0:21 | 61 |
| 20/9/2016 3:01 | 57 | 21/9/2016 4:06 | 61 | 22/9/2016 5:11 | 60 | 23/9/2016 6:16 | 62 | 24/9/2016 23:21 | 59 | 26/9/2016 0:26 | 60 |
| 20/9/2016 3:06 | 56 | 21/9/2016 4:11 | 60 | 22/9/2016 5:16 | 60 | 23/9/2016 6:21 | 60 | 24/9/2016 23:26 | 60 | 26/9/2016 0:31 | 60 |
| 20/9/2016 3:11 | 53 | 21/9/2016 4:16 | 43 | 22/9/2016 5:21 | 52 | 23/9/2016 6:26 | 63 | 24/9/2016 23:31 | 58 | 26/9/2016 0:36 | 61 |
| 20/9/2016 3:16 | 55 | 21/9/2016 4:21 | 47 | 22/9/2016 5:26 | 52 | 23/9/2016 6:31 | 63 | 24/9/2016 23:36 | 59 | 26/9/2016 0:41 | 60 |
| 20/9/2016 3:21 | 57 | 21/9/2016 4:26 | 38 | 22/9/2016 5:31 | 51 | 23/9/2016 6:36 | 64 | 24/9/2016 23:41 | 58 | 26/9/2016 0:46 | 60 |
| 20/9/2016 3:26 | 55 | 21/9/2016 4:31 | 56 | 22/9/2016 5:36 | 57 | 23/9/2016 6:41 | 64 | 24/9/2016 23:46 | 58 | 26/9/2016 0:51 | 35 |
| 20/9/2016 3:31 | 54 | 21/9/2016 4:36 | 53 | 22/9/2016 5:41 | 57 | 23/9/2016 6:46 | 64 | 24/9/2016 23:51 | 60 | 26/9/2016 0:56 | 50 |
| 20/9/2016 3:36 | 55 | 21/9/2016 4:41 | 58 | 22/9/2016 5:46 | 55 | 23/9/2016 6:51 | 65 | 24/9/2016 23:56 | 59 | 26/9/2016 1:01 | 49 |
| 20/9/2016 3:41 | 60 | 21/9/2016 4:46 | 60 | 22/9/2016 5:51 | 57 | 23/9/2016 6:56 | 65 | 25/9/2016 0:01 | 58 | 26/9/2016 1:06 | 60 |
| 20/9/2016 3:46 | 60 | 21/9/2016 4:51 | 53 | 22/9/2016 5:56 | 54 | 23/9/2016 23:01 | 61 | 25/9/2016 0:06 | 58 | 26/9/2016 1:11 | 60 |
| 20/9/2016 3:51 | 58 | 21/9/2016 4:56 | 60 | 22/9/2016 6:01 | 58 | 23/9/2016 23:06 | 62 | 25/9/2016 0:11 | 57 | 26/9/2016 1:16 | 60 |
| 20/9/2016 3:56 | 55 | 21/9/2016 5:01 | 52 | 22/9/2016 6:06 | 60 | 23/9/2016 23:11 | 62 | 25/9/2016 0:16 | 59 | 26/9/2016 1:21 | 43 |
| 20/9/2016 4:01 | 53 | 21/9/2016 5:06 | 50 | 22/9/2016 6:11 | 59 | 23/9/2016 23:16 | 62 | 25/9/2016 0:21 | 57 | 26/9/2016 1:26 | 61 |
| 20/9/2016 4:06 | 61 | 21/9/2016 5:11 | 52 | 22/9/2016 6:16 | 62 | 23/9/2016 23:21 | 61 | 25/9/2016 0:26 | 58 | 26/9/2016 1:31 | 60 |
| 20/9/2016 4:11 | 53 | 21/9/2016 5:16 | 54 | 22/9/2016 6:21 | 62 | 23/9/2016 23:26 | 61 | 25/9/2016 0:31 | 53 | 26/9/2016 1:36 | 60 |
| 20/9/2016 4:16 | 52 | 21/9/2016 5:21 | 56 | 22/9/2016 6:26 | 63 | 23/9/2016 23:31 | 61 | 25/9/2016 0:36 | 55 | 26/9/2016 1:41 | 50 |
| 20/9/2016 4:21 | 56 | 21/9/2016 5:26 | 57 | 22/9/2016 6:31 | 63 | 23/9/2016 23:36 | 61 | 25/9/2016 0:41 | 54 | 26/9/2016 1:46 | 59 |
| 20/9/2016 4:26 | 61 | 21/9/2016 5:31 | 58 | 22/9/2016 6:36 | 64 | 23/9/2016 23:41 | 61 | 25/9/2016 0:46 | 54 | 26/9/2016 1:51 | 60 |
| 20/9/2016 4:31 | 53 | 21/9/2016 5:36 | 58 | 22/9/2016 6:41 | 64 | 23/9/2016 23:46 | 60 | 25/9/2016 0:51 | 54 | 26/9/2016 1:56 | 59 |
| 20/9/2016 4:36 | 57 | 21/9/2016 5:41 | 57 | 22/9/2016 6:46 | 64 | 23/9/2016 23:51 | 60 | 25/9/2016 0:56 | 52 | 26/9/2016 2:01 | 60 |
| 20/9/2016 4:41 | 61 | 21/9/2016 5:46 | 61 | 22/9/2016 6:51 | 64 | 23/9/2016 23:56 | 61 | 25/9/2016 1:01 | 51 | 26/9/2016 2:06 | 59 |
| 20/9/2016 4:46 | 60 | 21/9/2016 5:51 | 59 | 22/9/2016 6:56 | 64 | 24/9/2016 0:01 | 60 | 25/9/2016 1:06 | 61 | 26/9/2016 2:11 | 59 |
| 20/9/2016 4:51 | 57 | 21/9/2016 5:56 | 61 | 22/9/2016 23:01 | 63 | 24/9/2016 0:06 | 62 | 25/9/2016 1:11 | 52 | 26/9/2016 2:16 | 58 |
| 20/9/2016 4:56 | 58 | 21/9/2016 6:01 | 61 | 22/9/2016 23:06 | 63 | 24/9/2016 0:11 | 61 | 25/9/2016 1:16 | 55 | 26/9/2016 2:21 | 58 |
| 20/9/2016 5:01 | 59 | 21/9/2016 6:06 | 61 | 22/9/2016 23:11 | 63 | 24/9/2016 0:16 | 61 | 25/9/2016 1:21 | 54 | 26/9/2016 2:26 | 59 |
| 20/9/2016 5:06 | 56 | 21/9/2016 6:11 | 63 | 22/9/2016 23:16 | 64 | 24/9/2016 0:21 | 62 | 25/9/2016 1:26 | 50 | 26/9/2016 2:31 | 58 |
| 20/9/2016 5:11 | 59 | 21/9/2016 6:16 | 64 | 22/9/2016 23:21 | 63 | 24/9/2016 0:26 | 62 | 25/9/2016 1:31 | 54 | 26/9/2016 2:36 | 57 |
| 20/9/2016 5:16 | 56 | 21/9/2016 6:21 | 63 | 22/9/2016 23:26 | 62 | 24/9/2016 0:31 | 61 | 25/9/2016 1:36 | 49 | 26/9/2016 2:41 | 58 |
| 20/9/2016 5:21 | 57 | 21/9/2016 6:26 | 64 | 22/9/2016 23:31 | 63 | 24/9/2016 0:36 | 59 | 25/9/2016 1:41 | 50 | 26/9/2016 2:46 | 58 |
| 20/9/2016 5:26 | 59 | 21/9/2016 6:31 | 65 | 22/9/2016 23:36 | 63 | 24/9/2016 0:41 | 59 | 25/9/2016 1:46 | 56 | 26/9/2016 2:51 | 60 |
| 20/9/2016 5:31 | 61 | 21/9/2016 6:36 | 66 | 22/9/2016 23:41 | 63 | 24/9/2016 0:46 | 60 | 25/9/2016 1:51 | 49 | 26/9/2016 2:56 | 59 |
| 20/9/2016 5:36 | 60 | 21/9/2016 6:41 | 66 | 22/9/2016 23:46 | 63 | 24/9/2016 0:51 | 59 | 25/9/2016 1:56 | 52 | 26/9/2016 3:01 |  |
| 20/9/2016 5:41 | 62 | 21/9/2016 6:46 | 66 | 22/9/2016 23:51 | 62 | 24/9/2016 0:56 | 59 | 25/9/2016 2:01 | 51 | 26/9/2016 3:06 | 58 |
| 20/9/2016 5:46 | 63 | 21/9/2016 6:51 | 66 | 22/9/2016 23:56 | 61 | 24/9/2016 1:01 | 58 | 25/9/2016 2:06 | 55 | 26/9/2016 3:11 | 57 |
| 20/9/2016 5:51 | 64 | 21/9/2016 6:56 | 65 | 23/9/2016 0:01 | 61 | 24/9/2016 1:06 | 59 | 25/9/2016 2:11 | 54 | 26/9/2016 3:16 | 57 |
| 20/9/2016 5:56 | 65 | 21/9/2016 23:01 | 63 | 23/9/2016 0:06 | 62 | 24/9/2016 1:11 | 59 | 25/9/2016 2:16 | 51 | 26/9/2016 3:21 | 58 |
| 20/9/2016 6:01 | 62 | 21/9/2016 23:06 | 62 | 23/9/2016 0:11 | 61 | 24/9/2016 1:16 | 58 | 25/9/2016 2:21 | 61 | 26/9/2016 3:26 |  |
| $\begin{aligned} & \text { 20/9/2016 6:06 } \\ & \text { 20/9/2016 6:11 } \end{aligned}$ | 64 | 21/9/2016 23:11 | 63 | 23/9/2016 0:16 | 62 60 | 24/9/2016 1:21 24/9/2016 1:26 | 60 59 | 25/9/2016 2:26 | 60 53 | 26/9/2016 3:31 | 58 59 |

Graphic Presentation of Real Time Noise Monitoring Result (RTN1-Food and Environmental Hygiene Department Depot)
Day Time (0700-1900 hrs on normal weekdays)


Restricted hours (1900-2300) on normal weekdays and 0700-2300 hrs on public holidays)


Night Time (2300-0700hrs)


Graphic Presentation of Real Time Noise Monitoring Result (RTN2a- Hong Kong Electric Centre)
Day Time (0700-1900 hrs on normal weekdays)


Restricted hours (1900-2300) on normal weekdays and 0700-2300 hrs on public holidays)


Night Time (2300-0700hrs)



After checking, erection of temporary support frame and dissembling of Lifting Gear were conducted on 01 September during the monitoring period and fixing of decking reinforcement at bridge F5 and dissembling of Lifting Gear were conducted on 09 September 2016 during the monitoring period. No major noise emission is considered of the construction works during monitoring while adverse weather with lighting and thunderstorm was recorded across the monitoring period on 01 and 09 September 2016 at Eastern District and is considered as the major noise contribution. As such, the exceedance were considered as non-Project related


After checking with the Contractor of HY/2009/19, formwork welding and rebar fixing were conducted on 01 September 2016 during the monitoring period and form work removal, concrete curing, excavation and concrete patching at segment joint were conducted on 08 September 2016.After checking with the Contractor of HY/2011/08, no construction work around the monitoring station was conducted on 01 September 2016 during the monitoring period and hoarding erection was conducted at EVB area on 08 September 2016. No major noise emission is considered for the construction works during monitoring while adverse weather with lighting and thunderstorm were recorded across the monitoring period on 01 and 08 September 2016 at Eastern District and are considered as the major noise contribution. As such, the exceedances were considered as non-Project related.

## Appendix 6.1

Event Action Plans

Event/Action Plan for Construction Noise

| EVENT | ACTION |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ET | IEC | ER | CONTRACTOR |
| Action Level being exceeded | 1. Notify ER, IEC and Contractor; <br> 2. Carry out investigation; <br> 3. Report the results of investigation to the IEC, ER and Contractor; <br> 4. Discuss with the IEC and Contractor on remedial measures required; <br> 5. Increase monitoring frequency to check mitigation effectiveness. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Review the investigation results submitted by the ET; <br> 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; <br> 3. Advise the ER on the effectiveness of the proposed remedial measures. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Confirm receipt of notification of failure in writing; <br> 2. Notify Contractor; <br> 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; <br> 4. Supervise the implementation of remedial measures. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Submit noise mitigation proposals to IEC and ER; <br> 2. Implement noise mitigation proposals. <br> (The above actions should be taken within 2 working days after the exceedance is identified) |


| EVENT | ACTION |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ET | IEC | ER | CONTRACTOR |
| Limit Level being exceeded | 1. Inform IEC, ER, Contractor and EPD; <br> 2. Repeat measurements to confirm findings; <br> 3. Increase monitoring frequency; <br> 4. Identify source and investigate the cause of exceedance; <br> 5. Carry out analysis of Contractor's working procedures; <br> 6. Discuss with the IEC, Contractor and ER on remedial measures required; <br> 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; <br> 8. If exceedance stops, cease additional monitoring. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; <br> 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. <br> (The above actions should be taken within 2 workin $g$ days after the exceedance is identified) | 1. Confirm receipt of notification of failure in writing; <br> 2. Notify Contractor; <br> 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; <br> 4. Supervise the implementation of remedial measures; <br> 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. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Take immediate action to avoid further exceedance; <br> 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; <br> 3. Implement the agreed proposals; <br> 4. Submit further proposal if problem still not under control; <br> 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated. <br> (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 | 1. Identify source, investigate the causes of exceedance and propose remedial measures; <br> 2. Inform IEC and ER; <br> 3. Repeat measurement to confirm finding; <br> 4. Increase monitoring frequency to daily. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Check monitoring data submitted by ET; <br> 2. Check Contractor's working method. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Notify Contractor. (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Rectify any unacceptable practice; 2. 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 | 1. Identify source; <br> Inform IEC and ER; <br> Advise the ER on the effectiveness of the proposed remedial measures; <br> 4. Repeat measurements to confirm findings; <br> 5. Increase monitoring frequency to daily; <br> 6. Discuss with IEC and Contractor on remedial actions required; <br> 7. If exceedance continues, arrange meeting with IEC and $E R$; <br> 8. If exceedance stops, cease additional monitoring. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Check monitoring data submitted by ET ; <br> 2. Check Contractor's working method; <br> 3. Discuss with ET and Contractor on possible remedial measures; <br> 4. Advise the ET on the effectiveness of the proposed remedial measures; <br> 5. Supervise Implementation of remedial measures. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Confirm receipt of notification of failure in writing; <br> 2. Notify Contractor; <br> 3. Ensure remedial measures properly implemented. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Submit proposals for remedial to ER within 3 working days of notification; <br> 2. Implement the agreed proposals; <br> 3. Amend proposal if appropriate. <br> (The above actions should be taken within 2 working days after the exceedance is identified) |
| LIMIT LEVEL |  |  |  |  |
| 1. Exceedance for one sample | 1. Identify source, investigate the causes of exceedance and propose remedial measures; <br> 2. Inform ER, Contractor and EPD; <br> 3. Repeat measurement to confirm finding; <br> 4. Increase monitoring frequency to daily; <br> 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Check monitoring data submitted by ET ; <br> 2. Check Contractor's working method; <br> 3. Discuss with ET and Contractor on possible remedial measures; <br> 4. Advise the ER on the effectiveness of the proposed remedial measures; <br> 5. Supervise implementation of remedial measures. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Confirm receipt of notification of failure in writing; <br> 2. Notify Contractor; <br> 3. Ensure remedial measures properly implemented. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Take immediate action to avoid further exceedance; <br> 2. Submit proposals for remedial actions to IEC within 3 working days of notification; <br> 3. Implement the agreed proposals; <br> 4. Amend proposal if appropriate. <br> (The above actions should be taken within 2 working days after the exceedance is identified) |
| 2. Exceedance for two or more consecutive samples | 1. Notify IEC, ER, Contractor and EPD; <br> Identify source; <br> 3. Repeat measurement to confirm findings; <br> 4. Increase monitoring frequency to daily; <br> 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; <br> 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; <br> 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; <br> 8. If exceedance stops, cease additional monitoring. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; <br> 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; <br> 3. Supervise the implementation of remedial measures. | 1. Confirm receipt of notification of failure in writing; <br> 2. Notify Contractor; <br> 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; <br> 4. Ensure remedial measures properly implemented; <br> 5. 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. <br> (The above actions should be taken within 2 working days after the exceedance is identified) | 1. Take immediate action to avoid further exceedance; <br> 2. Submit proposals for remedial actions to IEC within 3 working days of notification; <br> 3. Implement the agreed proposals; <br> 4. Resubmit proposals if problem still not under control; <br> 5. 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_16A007 | 14-Sep-16 | 9:10 | CMA5b- Pedestrian Plaza | 379.4 | $\begin{gathered} \hline 1 \mathrm{hr} \text { TSP } \\ \left(\mathrm{ug} / \mathrm{m}^{3}\right) \end{gathered}$ | 332.0 | 500 | Possible reason: <br> Action taken / to be taken: <br> Remarks / Other Obs: | Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station <br> 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. <br> Despite formwork erection was 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. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by 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. |
| X_16A008 | 14-Sep-16 | 9:10 | CMA5b- Pedestrian Plaza | 379.4 | $\begin{gathered} \hline 1 \mathrm{hr} \mathrm{TSP} \\ \left(\mathrm{ug} / \mathrm{m}^{3}\right) \end{gathered}$ | 332.0 | 500 | Possible reason: <br> Action taken / to be taken: <br> Remarks / Other Obs: | Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station <br> Reviewed the trend of air quality measurement across monitoring stations. Analysis of contractor's working procedures. <br> Pipe laying was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by 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 regular dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact. |
| X_16A010 | 26-Sep-16 | 9:10 | CMA5b- Pedestrian Plaza | 385 | $\begin{gathered} \hline 1 \mathrm{hr} \text { TSP } \\ \left(\mathrm{ug} / \mathrm{m}^{3}\right) \end{gathered}$ | 332.0 | 500 | Possible reason: <br> Action taken / to be taken: <br> Remarks / Other Obs: | Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station <br> Reviewed the trend of air quality measurement across monitoring stations. Reviewed Contractor's working procedures. Mitigation measures including maintaining haul road in dampened condition was implemented by Contractor. <br> Despite formwork erection and re-bar 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. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. According to the EPD information, smog was observed on the monitoring date and the prevailing meteorological condition on the monitoring date is detrimental to dispersion of any potential roadside pollutant. In addition, non WDIICWB 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. |
| X_16A011 | 26-Sep-16 | 9:10 | CMA5b- Pedestrian Plaza | 385 | $\begin{gathered} \hline 1 \mathrm{hr} \mathrm{TSP} \\ \left(\mathrm{ug} / \mathrm{m}^{3}\right) \end{gathered}$ | 332.0 | 500 | Possible reason: <br> Action taken / to be taken: <br> Remarks / Other Obs: | Elevated TSP level potentially in relate to other sources affecting local ambient condition such as road traffic next to the monitoring station <br> Reviewed the trend of air quality measurement across monitoring stations. Reviewed contractor's working procedures. <br> Manhole construction was undertaken on the monitoring date around Pedestrian Plaza under Contract HK/2009/01 and no particular observation regarding air quality impact was observed during sampling. In view of the above, the action level exceedance was considered to be non-project related and potentially contributed by other sources affecting local ambient condition such as road traffic next to the monitoring station. According to the EPD information, smog was observed on the monitoring date and the prevailing meteorological condition on the monitoring date is detrimental to dispersion of any potential roadside pollutant. 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 regular dust suppression measures for any potential dusty surface and dust generating operation around the concerned location to avoid any potential cumulative air quality impact. |

## 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. 1303887687 | 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 <br> 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. <br> 3) As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8 am and is expected to be completed by midAugust 2011. <br> 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. <br> 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. 1304013959 | 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 <br> 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 <br> Victoria Centre <br> 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 <br> 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. <br> 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 <br> 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. <br> 5) Highways contacted the complainant on 15 August 2011 that the noisy rock breaking operation had been completed. <br> Remarks: There will be counted as two complaints in this complaint log. |  |
| 110730 | 30/07/2011 | Mr. Tsui by ICC no. 1-305074350 | Central | Construction noise generated by operations of CentralInterchange 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. <br> 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. <br> 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. <br> 4) In order to reduce the noise impact to nearby noise sensitive receivers, Contractor has been implemented the following noise mitigation measures: <br> - Erection of acoustic lining at the hoarding next to Four Seasons Hotel; <br> - Temporary noise barrier with extended acoustic lining; <br> - 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 <br> 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. <br> 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. <br> 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. <br> 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 | $\begin{array}{\|l\|} \hline \text { ICC no. 1- } \\ 307657681 \end{array}$ | 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 <br> 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 complaint at night-time. <br> 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. <br> 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. <br> 3) The drilling rig at HKCEC1 reclamation area and excavator mounted breaker at Convention Avenue were then temporary suspended after received the complaint. <br> 4) Investigation revealed that the erected noise barrier (4m cantilevered movable noise barrier for the drilling rig and 1 m movable noise barrier for the excavator mounted breaker) were not located close to the plants to provide adequate noise screening. <br> 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. <br> 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 <br> 2) Confirmed with the Resident Site Staff that the construction works were referred to the Contractors HY/2009/11 and HY/2009/19. <br> 3) The pump is located on the site area of $\mathrm{HY} / 2009 / 19$ <br> 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 excluse the outfall. <br> 5) An ad hoc inspection of the effectiveness of garbage defender was conducted with RSS (CWB project team), contractor of $\mathrm{HY} / 200911$ and $\mathrm{HY} / 2009 / 19$ and IECon 29 August 2011. Inspection report of it was submitted to RSS on 19 September 2011. <br> 5) Daily cleaning near the water intake was conducted twice a day by contractor HY/2009/19. <br> 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. <br> 6) According to the complaint letter from Cayley Property, the outcomes of the preventive measures were not complying wih their expectation. <br> 7) During on-site inspection, floating refuses observed | Closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | occasionally outside the garbage defender. No conclusion could be made for the source of these floating refuses. On the other hand, some of the floating refuses were observed immigrating in the protective zone during investigation <br> 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 assess 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. <br> 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. <br> 10) Contractors have fulfilled the requirement of site cleanness and no exceedance was recorded during Water Quality Monitoring. It is consider the cause of this complaint is not related to project and environmental issue in this project as well. No more complaint received after ad-hoc inspection |  |
| 111014 | 14/10/2011 | The complainant, Ms. Tam complained via hotline 1823 | Wan Chai | The polluted fumes and exhaust from the excavation by sub-contractor of CEDD on pedestrian way outside no. 25 Harbour Road (in front of the Harbour Centre) | 1) RSS notified ET to carry out investigation on 17 October 2011. <br> 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. <br> 3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011. <br> 4) Contractor was reminded to enhance regular checking and maintenance to all plants at site. <br> 5) RSS has replied to the complainant on the arrangement of the measures taken on 17 October 2011. Complainant was satisfied with the response and follow-up action taken by the Contractor. | Closed |
| 111104 | 04/11/2011 | Mr. Liu from | Wan Chai | Complain about a tree near the | 1) ET confirmed with the Resident Site Staff that | Closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | LCSD complained via Contractor Complaint Hotline |  | site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road, the status is not healthy and roof ball of two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue were half cut. | - A tree near the site of pipe installation works outside Wan <br> 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. <br> - 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. <br> 2) Independent Tree Specialists for these two inspected the <br> 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 2 m . 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 | 1) According to the information reported by Contractor, one <br> 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. <br> 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. <br> 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. <br> 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. Futhermore, 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. <br> 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. <br> 3) Due to safety reason, igniting enought 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 complaint. <br> 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\#1334683841) | 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. <br> 2) ET confirmed with the Resident Site Staff that the complainant cannot identify whether the trucks were working under the CWB project or not. <br> 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 vechicles. Reviewing the air qualiuty montioring and noise monitoring results. No exceedance was recorded during this period. <br> 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 Poad and lining up at Oil Street without the engine turning off. | 1) RSS notified ET on 6 January 2011. <br> 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 <br> 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 vechicles. Reviewing the results of air qualiuty montioring 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. <br> 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. <br> 2) ET confirmed with the Resident Site Staff that The tree is inside the site area of $\mathrm{HY} / 2009 / 19$ and The Botanical name of the tree is Ficus superba var. japonica and the I.D. of the tree is UT48 <br> 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. <br> 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\#1344632511) | 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. <br> 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. <br> 3) After reviewing the results of noise monitoring (M4b), no exceedance was recorded during daytime period and the noise level were below $75 \mathrm{~dB}(\mathrm{~A})$. 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. <br> 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. <br> 2) ET confirmed with the Resident Site Staff that no piling works were performed during the concerned period. <br> 3) After reviewing the results of noise monitoring (M2b and M3a), no exceedance was recorded during daytime period and the noise level was below $75 \mathrm{~dB}(\mathrm{~A})$. Site inspection for $\mathrm{HY} / 2009 / 15$ 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. <br> 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.: 1351021108) | 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. | 1) RSS notified ET on 17 April 2012. <br> 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. <br> 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 $75 \mathrm{~dB}(\mathrm{~A})$. 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. <br> 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 | $\begin{aligned} & \hline \text { ICC Case\#1- } \\ & 407181502 \end{aligned}$ | 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. | 1) RSS notified ET on 8 Marc 2013 <br> 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. <br> 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. <br> 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. <br> The contracotr was advised and committed to implement preventive meaures to miminize 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. | 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.: \#1430164728 | 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 <br> 2) ET confirmed with the Resident Site Staff that <br> 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 with withered and yellow leaves and 1 no. of tree- Khaya senegalensis (T1712) raised by the complainant was found to be in poor health condition. <br> No construction works was undertaken by Contract HY/2009/18 at the concerned planter area where the affected trees are located. <br> 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. <br> 3) A follow-up joint inspection with RSS and Landscape specialist was conducted on 10 June2013, it was considered that the witered 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 natrual 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) <br> According to tree inspection records from Jan 2013 to May 2013 confirmed by RSS (Document Ref: CI-F1043b, 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 ( T 1712 ) at the time of investigation. <br> 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) <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 130611 | 30 May <br> 1 June 2013 | EPD Ref.HO4/RS/0001 1587-13 | Area near Central Pier | 1. <br> 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. | 1) RSS notify ET on 11 June 2013 <br> 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 <br> - Breaking up existing D-wall concrete and excavation at portion 4B and 4C <br> - $\quad$ Sheet pilling works at Portion VI (Man Kat Street) <br> 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. <br> Reviewing the noise monitoring data at monitoring stations (M7e- Internation 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. <br> 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 of temporary noise barrier was observed in place. <br> As such, no direct information associated with the noise concerned raised was considered available and no non-conformity was identified. <br> 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. | Interim report submitted to EPD on 19 June 2013, <br> EPD advised no further comment on 5 Aug 2013and final report for case closing submitted on 6 Aug 2013. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131010 | $\begin{array}{lr} 03 & \text { Oct } \\ 2013 & \end{array}$ | 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. | ET confirmed with the Resident Site Staff that <br> 1) The major construction activities at the concerned location conducted over the past three months include; <br> - Formwork, rebar and concreting <br> - Backfilling <br> - Water-proofing <br> - Scaffolding erection <br> 2) Mitgitation measures implemented by the Contractor for the above construction works include <br> - Select quiet plant and work methods; <br> - Check plant and equipment for condition; <br> - For use of powered mechanical equipment during restricted hours: Obtain necessary Construction Noise Permit and strictly comply with their conditions; <br> - Frequently spray water to major haul road and stockpiles to suppress dust generation; and <br> - Cover stockpiles with impervious sheets <br> The construction activities including backfilling, concreting and other assoicated tunnel works were undertaken in the past three months. Having reviewing the monitoring data of the monitoring stations in the vincinity 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. <br> In addition, mitigations measures including water sparying 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 qualtiy quality impact was observed in the past three months. | 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 | $\begin{array}{\|ll} 16 & \text { Dec } \\ 2013 & \end{array}$ | ICC Case Ref.: 1484998552 | Victoria Park near Hing <br> Fat Street Exit | Sweeping of muddy water into public drains. | ET confirmed with the Resident Site Staff that <br> 1)The major construction activities around the concerned location conducted on 16 Dec 2013 a.m.includes: <br> -Preparation work of rootball for tree transplanting <br> 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. | Final investigation report issued on 20 Dec 2013. Case closed on 3 Jan 2014. |
|  |  |  |  |  | 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. <br> 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. |  |
|  |  |  |  |  | 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131224 | $\begin{gathered} 24 \mathrm{Dec} \\ 2013 \end{gathered}$ | $\begin{gathered} \text { (ICC Case Ref.: } \\ 1-486434321 \end{gathered}$ | Victoria Park Children Playground | Odour and large amount of dust particles affecting the public user of the Victoria Park near Children playground | ET confirmed with the Resident Site Staff that <br> 1) The major construction activities around the concerned location conducted on 24 Dec 2013 include: <br> - Breaking up exisitng pillar box for new children playground Portion II <br> - Pressing of sheet pile at bowling green for ELS works Portion XII <br> - Welding work for preparation of sheetpiling work at bowling green Portion VI <br> - Demolition of existing pavilion for bowling green Portion VI <br> -Felling of tree TA50 at Victoria Park Zone <br> 2) Mitgitation measures implemented by the Contractor <br> for the above construction works include <br> -Water spraying for demolition and other dust generating works. <br> According to the relevant site records, breaking up of exisitng pillar box, pressing of sheet pile, welding work for preparation of sheetpiling <br> demolition of exisitng pavilion and felling of tree TA50 at <br> Victoria Park Zone 13 were conducted at the concerned location during the time of complaint. <br> 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. <br> 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. <br> 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 | $\begin{aligned} & \text { Case closed } \\ & \text { and full } \\ & \text { investigation } \\ & \text { report issued on } \\ & 3 \text { Jan } 2014 \text {. } \end{aligned}$ |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 140123 | $\begin{gathered} 22 \text { Jan } \\ 2014 \end{gathered}$ | $\begin{gathered} \hline \text { ICC Case Ref.:1- } \\ 494077682 \end{gathered}$ | Causeway Bay Typhoon Shelter | 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. | 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. <br> No construction activity was undertaken at workzone TS3 under HY/2010/08 within Causeway Bay Typhoon Shelter after 1900 hrs on 21 Jan 2014. <br> 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. <br> 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; <br> 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 | $\begin{gathered} \text { Case closed } \\ \text { and full } \\ \text { investigation } \\ \text { report issued on } \\ 4 \text { Feb } 2014 \text {. } \end{gathered}$ |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | According to the relevant site records, from 19000000hrs 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. <br> 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. <br> 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, <br> No acoustic installation was provided for the relevant PME(s) used as stated in CNP conditon 3.d.during the concerned concreting works. <br> 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. <br> 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-RS138413. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 140127 | $\begin{gathered} 24 \mathrm{Jan} \\ 2014 \end{gathered}$ | $\begin{aligned} & \text { ICC Case Ref.: } \\ & \text { 1-494612639 } \end{aligned}$ | 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. | ET confirmed with the Resident Site Staff that The major construction activities around the concerned location conducted on 23 Jan 2014 include: <br> Pressing of sheetpile Ch.279-285 (RHS) and <br> Ch. 317 for ELS works on 23 Jan 2014. <br> Splicing of sheetpile Ch.275-285 (LHS) for ELS works on 23 Jan 2014. <br> Mitigation measures implemented by the Contractor for the above construction works include: <br> Installation of acoustic panels along hoarding line at East Bowling Green; <br> Installation of addition noise barriers on top of hoarding at East Bowling Green; <br> 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). <br> 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. <br> 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 | ```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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | East Bowling Green when there is any Bowling Green competition event to be held. <br> 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 nonconformity was identified. |  |
| 140311 | $\begin{gathered} 27 \text { Feb } \\ 2014 \end{gathered}$ | 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. | ET confirmed with the Resident Site Staff that <br> The major construction activities at the concerned location conducted on 27 Feb 2014 (Daytime) include: <br> Backfilling works between north wall and sheetpiles and for roof slab; <br> Site hoarding removal; <br> Formwork erection and removal works, falsework erection; <br> Concrete breaking works at roof slab and base slab and breaking up of existing tunnel corner; <br> Concreting works for profile barrier inside cut and cover tunnel; and Rebar fixing works and WVB basement remediation works. <br> Mitigation measures implemented by the Contractor for the above construction works include: <br> Use of quiet plants (air compressor with a Noise Emission Label of $99 \mathrm{~dB}(\mathrm{~A})$ ). | Interim report submitted to EPD on 18 March 2014, EPD advised no further comment 26 March 2014 and final report for case closing issued on 26 March 2014 |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> Based on information verified by the RSS, noise mitigation measure including utilization of quiet air compressor with noise emission label of $99 \mathrm{~dB}(\mathrm{~A})$ was implemented by the Contractor on the 27 February 2014 to minimize the potential noise impact. <br> 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. <br> 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. <br> 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 |  |


| 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 | A public complaint regarding odour concern referred by EPD was received by ET on 23 June 2014. <br> The complainant reported that excessive paint spray odour was detected at the foot-bridge to the Central Pier 7. <br> 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 <br> Screeding concrete placing from Ch1700 to Ch1683 was conducted at roof slab Bay12 on 11 June 2014 and <br> Backfilling and removal of concrete blocks was conducted at roof slab Bay 11 and Bay 10-north on 11 June 2014 <br> 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. <br> 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. | Preliminary report issued on 25 June 2014. <br> Interim report submitted to EPD on 30 June 2014. |


| 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 | $\begin{aligned} & 21 \text { July } \\ & 2014 \end{aligned}$ | 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 | 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 : <br> 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. <br> 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. <br> 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 | Final Investigation report (Issue1) issued on 31 July 2014. <br> Final investigation report (Issue 2) based on further followup issued on 12 Aug 2014. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | operation at the above period. <br> 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. <br> 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 $\mathrm{HY} / 2009 / 19$. <br> 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. <br> 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. <br> 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). |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20140801 | $\begin{gathered} \hline 30 \text { July } \\ 2014 \end{gathered}$ | ICC complaint (ICC Case Ref.: 2-360638977) received by ET on 01 August 2014 | Area opposite to Habour Heights | Noise of sand and gravel movements at area opposite to the Harbour Heights | 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. <br> 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). <br> 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). <br> Mobilization of PMEs was performed at works area around Watson Road under HY/2009/19 from $00: 45 \mathrm{hrs}$ to $01: 30 \mathrm{hrs}$ 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. <br> According to the relevant site records, before 2300 hrs 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 | 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | above period). <br> 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. <br> 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 $\mathrm{HY} / 2009 / 19$. From around $00: 45 \mathrm{hrs}$ 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20140929 | $\begin{gathered} 26 \text { Sep } \\ 2014 \end{gathered}$ | ICC complaint <br> (ICC Case Ref.: 2- <br> 466911619) received by ET on 29 September 2014 | IEC flyover opposite to City Garden | Light originating from the flyover under CentralWanChai Bypass Project was emitted towards City Garden direction and caused light nuisance | 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) <br> 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. <br> 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. <br> 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 sofit of the permanent noise enclosure at the new Islannd Eastern Corridor Eastbound. <br> 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. | Final Investigation report submitted on 9 October 2014. |


| Complaint <br> Log No. | Date of <br> Complaint | Received From <br> and Received By | Location of <br> Complainant | Nature of Complaint | Outcome |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | Status <br> Follow-up inspection was conducted during weekly <br> environmental inspection on 8 October 2014, <br> additional measures including erection of green net <br> and tarpaulin sheet were provided by the <br> Contractor of HY/2009/19 at the concerned area as <br> interim measure to minimize the nuisance cased to <br> the surroundings. Further to the interim measure <br> implemented by the Contractor of HY/2009/19, the <br> Contractor of HY/2009/9 will replace the <br> concerned temporary lighting with temporary <br> lighting facing Victoria Harbour at the other side of <br> the road to minimize the light nuisance to the <br> surroundings. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20141006 | $\begin{gathered} 25,26 \\ \text { Sep } 2014 \end{gathered}$ | 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 CentralWanChai Bypass Project was emitted towards City Garden direction and caused light nuisance | 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. <br> 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. <br> 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 sofit of the permanent noise enclosure at the new Islannd Eastern Corridor Eastbound. <br> 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. | Final Investigation report submitted on 9 October 2014. |


| Complaint <br> Log No. | Date of <br> Complaint | Received From <br> and Received By | Location of <br> Complainant | Nature of Complaint | Outcome |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | Status <br> Follow-up inspection was conducted during weekly <br> environmental inspection on 8 October 2014, <br> additional measures including erection of green net <br> and tarpaulin sheet were provided by the <br> Contractor of HY/2009/19 at the concerned area as <br> interim measure to minimize the nuisance cased to <br> the surroundings. Further to the interim measure <br> implemented by the Contractor of HY/2009/19, the <br> Contractor of HY/2009/9 will replace the <br> concerned temporary lighting with temporary <br> lighting facing Victoria Harbour at the other side of <br> the road to minimize the light nuisance to the <br> surroundings. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20141010 | $\begin{gathered} 07 \text { Oct } \\ 2014 \end{gathered}$ | 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 CentralWanChai Bypass Project was emitted towards City Garden direction and caused light nuisance | 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. <br> 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. <br> 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 cased 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. | 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 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. | 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). <br> 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. <br> 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. <br> 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. | Updated interim investigation with supplementar y information submitted to EPD on 17 November 2014. <br> EPD advised no further comment on the updated interim report and case closed on 27 Nov 2014. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. <br> 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. <br> From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. <br> Total one scissor platform and two hand held drills (battery) were in operation. <br> 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> In view of the above findings, no direct information associated with the noise concern was considered available. |  |
| 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. | 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). <br> 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. <br> 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). <br> 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. <br> Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. <br> Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated. | Interim investigation report submitted to EPD on 17 November 2014. <br> EPD advised no comment on the interim report and case closed on 1 Dec 2014. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Dredging works was conducted on 7 November 2014 during daytime at WCR3 (East of old Wan Chai Ferry Pier) <br> Total 1 no .of dredger, 1 no. of hopper and 1 no. of tug boat were operated. <br> 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. <br> 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. <br> 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 <br> The interim report would be submitted to EPD on 17 November 2014. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20141113 | $\begin{aligned} & 12 \text { Nov } \\ & 2014 \end{aligned}$ | 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. | 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 thatMalodour 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) <br> 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. <br> 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. <br> 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. <br> 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. | Interim investigation report submitted to EPD on 19 November 2014. <br> EPD advised no comment on the interim report and case closed on 8 Dec 2014. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20150127 | $\begin{gathered} 21 \text { Jan } \\ 2015 \end{gathered}$ | EPD complaint (EPD Ref.: <br> H05/RS/00001 725-15) received by ET on 27 January 2015 and further <br> 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. | A public complaint regarding air quality impact referred by EPD was received by ET on 27 <br> January 2015 (EPD Case Ref.: <br> H05/RS/00001725-15 dated <br> 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. <br> 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 <br> TPCWAW; concreting, grouting and drilling works <br> at TPCWAW;reclamation/ backfilling works at <br> TPCWAW <br> 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 <br> 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. | 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> As such, the site condition under Contract HY/2009/15 at the concerned location was considered to be generally satisfactory and no nonconformity 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. <br> 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 |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 20150409 | $\begin{gathered} 07 \text { April } \\ 2015 \\ 09 \text { April } \\ 2015 \end{gathered}$ | $\begin{gathered} \text { EPD } \\ \text { complaint } \\ \text { (Ref.:H05/RS/ } \\ \text { 00008074-15 } \\ \text { dated 9 } \\ \text { April 2015) } \\ \text { received by ET } \\ \text { on 09 April } \\ 2015 \end{gathered}$ | 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 | 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. <br> 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. | 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. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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 vechicle 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 20150409A | 03 April 2015 to 07 April 2015 | EPD <br> complaint <br> (Ref.:H05/RS/ <br> 00007861-15 <br> dated 9 <br> 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 Habour View Hotel during the period of Easter Holiday | 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 Habour View Hotel during the period of Easter Holiday, including April 3 at about 13:00 hours. <br> 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. <br> 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 | 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. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 20150415 | $\begin{aligned} & \text { 13 April } \\ & 2015 \end{aligned}$ | ICC complaint case (ICC Case Ref.: 2885677297 dated 13 <br> April 2015) recevied by ET on 15 April 2015 | Construction Site at Causeway Bay Typhoon Bay Shelter | Unnecssary light nuisance from the construction site | 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." <br> ET confirmed with the Resident Site Staff that the concerned lighting for the banners was maintained under Contract HY/2010/08. <br> 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. | Final Investigation report issued on 20 April 2015 and case closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20150423 | $\begin{gathered} 21 \text { April } \\ 2015 \end{gathered}$ | $\begin{gathered} \text { EPD } \\ \text { complaint } \\ \text { case (EPD } \\ \text { Case } \\ \text { Ref: :H05/RS/ } \\ 00009456-15 \\ \text { dated } 23 \text { April } \\ 2015) \\ \text { recevied by } \\ \text { ET on } 23 \text { April } \\ 2015 \end{gathered}$ | 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 | 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. <br> 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. <br> 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. | Final Investigation report issued on 18 May 2015 and case closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20150601 | $\begin{gathered} 29 \text { May } \\ 2015 \end{gathered}$ | EPD complaint case (EPD Case <br> Ref: :H05/RS/ 00013254-15 dated 1 June 2015) recevied 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 wheelwashed | 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. <br> 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. <br> 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. <br> 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. <br> 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. | 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. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 <br> Ref.:H05/RS/0 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 <br> Contract HK/2012/08 at location outside Fleet Arcade during restricted hours including Sundays and General Holidays. | 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. <br> 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. <br> 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 | 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. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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. |  |
| 150622 | 18 June 2015 | $\begin{gathered} \text { EPD } \\ \text { Ref.:H05/RS/0 } \\ \text { 0015054-15 } \\ \text { dated } 22 \text { June } \\ 2015 \end{gathered}$ | 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/0001505415 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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 |  |


| 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 | 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: <br> 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. <br> 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. <br> 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 $\mathrm{HY} / 2009 / 19$. <br> Follow-up inspection was conducted during weekly environmental inspection on 14 July 2015, no direct discharge connection was further observed on site. | Updated Final investigation report submitted on 27 July 2015. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 150723 | $\begin{gathered} 20 \text { July } \\ 2015 \end{gathered}$ | $\begin{gathered} \text { EPD } \\ \text { Ref.:H05/RS/0 } \\ 0018040-15 \\ \text { dated } 23 \text { July } \\ 2015 \end{gathered}$ | Ex-Wanchai Ferry Pier near 720 \& \& 722 Bus stop | Malodour from marine sediment | 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). <br> 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). <br> 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. <br> 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. | 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. |


| 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 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. <br> 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. |  |
| 150904 | $\begin{gathered} 01 \text { Sept } \\ 2015 \end{gathered}$ | 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 laoding of material | 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) <br> 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. <br> 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. <br> 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 | 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| 150904 | $\begin{aligned} & 02 \text { Sept } \\ & 2015 \end{aligned}$ | 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. <br> $2^{\text {nd }}$ 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. | 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. <br> From 1900hrs on 30 August 2015 to 0700 on 31 August 2015, no construction works was undertaken by the Contractor of HK/2012/08 <br> at the concerned location. <br> 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. <br> 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. <br> Total one derrick barge was in operation. <br> 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. <br> One derrick barge was deployed for unloading of soil on 02 September 2015 during daytime under Contract HK/2012/08 at the concerned location. <br> Based on the relevant site records, from 0800 hrs to 1800 hrs on 30 August 2015, removal of scaffold | $3^{\text {rd }}$ interim report submitted to EPD on 31 Dec 2015 |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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. <br> 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. |  |

$\left.\begin{array}{|l|l|l|l|l|l|}\hline \begin{array}{c}\text { Complaint } \\ \text { Log No. }\end{array} & \begin{array}{c}\text { Date of } \\ \text { Complaint }\end{array} & \begin{array}{l}\text { Received From } \\ \text { and Received By }\end{array} & \begin{array}{l}\text { Location of } \\ \text { Complainant }\end{array} & \text { Nature of Complaint } & \text { Outcome } \\ \hline & & & & & \begin{array}{l}\text { Status } \\ \text { In addition, one derrick barge was deployed for } \\ \text { unloading of soil on 02 September 2015 during } \\ \text { daytime under Contract HK/2012/08 at the } \\ \text { concerned location. Follow-up inspection was } \\ \text { conducted during weekly environmental inspection } \\ \text { on 08 September 2015 and no dark smoke emission } \\ \text { was observed from the derrick barge moored } \\ \text { outside the concerned location. Nevertheless, the } \\ \text { Contractor of HK/2012/08 was reminded to conduct } \\ \text { regular checking on the condition of the all derrick } \\ \text { barges deployed on site to ensure only well } \\ \text { maintained equipment are used to avoid potential } \\ \text { dark smoke emission affecting nearby public and }\end{array} \\ \text { the Contractor of HK/2012/08 was reminded to } \\ \text { upkeep the site control system for construction } \\ \text { works carrying out at restricted hours and night time } \\ \text { for Construction Noise Permit compliance. }\end{array}\right\}$

| Complaint <br> Log No. | Date of <br> Complaint | Received From <br> and Received By | Location of <br> Complainant | Nature of Complaint | Outcome |
| :--- | :---: | :---: | :--- | :--- | :--- | :--- |
| 151117 | Not <br> specified | EPD <br> complaint <br> received by <br> ET on 17 <br> Novmeber <br> 2015 | Causeway Bay <br> Typhoon Shelter | Improper handling or <br> bentonite and marine <br> sediment generated from <br> construction works and <br> contaminated discharge <br> from water treatment plant <br> into Victoria Habour | A public complaint regarding illegal disposal of <br> construction waste referred by EPD was received by <br> ET on 17 November 2015. The complainant <br> reported that over 10,000 m3 of bentonite after <br> usage for construction of diaphragm wall was <br> disposed of at Victoria Habour. <br> The Contractor recently deployed mobile crane to |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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: <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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: 2159316569 <br> 4) dated 26 November 2015 | $\begin{gathered} 26 \text { No } \\ 2015 \end{gathered}$ | 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 | 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. <br> 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. <br> 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. | Final investigation report to be issued on 01 December 2015. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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: <br> H04/RS/00 <br> 028924-15 <br> dated 04 <br> December <br> 2015 | 12 Novemb er 2015 | EPD <br> 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 | 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 <br> 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. <br> 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. | $1^{\text {st }}$ interim report submitted to EPD on 14 December 2015 <br> $2^{\text {nd }}$ interm report suibmitted to EPD on 4 January 2016 <br> EPD advised no comment on 07 January 2015 on the report submitted and case closed. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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 |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 <br> complaint <br> case (ICC <br> Case Ref: <br> 2- <br> 165668981 <br> 5 <br> dated 14 <br> December <br> 2015 | 14 Decemb er 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 | 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: <br> Incessant noise emanating from the construction site of the Island Eastern Corridor Link that forms part of the Central-Wanchai Bypass Project. <br> 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 5 pm . 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 | Final report was issued on 23 December 2015 and case closed. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | living in nearby blocks of our estate, especially children and the elderly who have to stay at home for longer hours. <br> 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. <br> 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. |  |


| 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 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 Environmnetal 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 substaintially 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.: <br> H05/RS/00 <br> 000570-16 <br> dated 14 <br> January <br> 2016 | $\begin{aligned} & 07 \\ & \text { January } \\ & 2016 \end{aligned}$ | EPD <br> 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. | 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) <br> 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. | Interim investigation report submitted to EPD on 22 January 2016. EPD advised on 17 <br> February no comment on the interm report submitted and case closed. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 2115 hrs 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. <br> 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. |  |
| ICC complaint case (ICC Ref.: \#21754682833 and ICC Ref: \#21759629742 | 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. | Two public complaints regarding the subject matter on blocked drainage were referred by RSS was received by ET on 19 January 2016 (ICC Ref.: \#21754682833 and ICC Ref: \#2-1759629742). <br> 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. <br> 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 | Final investigation report issued on 27 January 2016 |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | surroundings. <br> The first complainant on 14 January 2016 reported that the situation was not improved and would escalate the case if not addressed. <br> 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. <br> 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. <br> 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. <br> 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. <br> 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 |  |


| 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 $\mathrm{HY} / 2009 / 15$ is considered available. <br> 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 <br> complaint case (EPD Case Ref.:H05/R S/00001524 -16 | $\begin{gathered} 22 \\ \text { January } \\ 2016 \end{gathered}$ | 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). <br> 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. <br> 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. <br> Concreting for Seawall Reinstatement at TPCWAE was conducted under Contractor of HY/2009/15 on 12 January 2016 and 18 January 2016. <br> 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. <br> 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 interm report submitted and case closed. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { EPD Ref.: } \\ \text { H05/RS/000 } \\ 03169-16 \\ \text { dated } 16 \\ \text { February } \\ 2016 \end{gathered}$ | 16 <br> 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 | 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: <br> 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. <br> 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. <br> 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. <br> 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. | 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.: <br> CASE\#2- <br> 193863740 <br> 3 dated 01 <br> March 2016 | $\begin{array}{\|c} 01 \text { March } \\ 2016 \end{array}$ | 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 | 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. <br> 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. <br> 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. <br> 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. <br> 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 | $1^{\text {st }}$ <br> investigation report issued on 11 March 2016. <br> $2^{\text {nd }}$ <br> investigation report issued on 23 March 2016 and case closed. |

\(\left.$$
\begin{array}{|l|l|l|l|l|l|}\hline \begin{array}{c}\text { Complaint } \\
\text { Log No. }\end{array} & \begin{array}{c}\text { Date of } \\
\text { Complaint }\end{array} & \begin{array}{c}\text { Received From } \\
\text { and Received By }\end{array} & \begin{array}{l}\text { Location of } \\
\text { Complainant }\end{array} & \text { Nature of Complaint } & \text { Outcome } \\
\hline & & & & \begin{array}{l}\text { and no particular noise emanating works was } \\
\text { observed. }\end{array} \\
& & & & \begin{array}{l}\text { Based on the further information provided by the } \\
\text { complainant on 15 March 2016, the complainant } \\
\text { clarified on 15 March 2016 that Construction noise } \\
\text { was emanated from road works located between } \\
\text { Lung Wo Road and Lung Wui Road Interface } \\
\text { during midnight and has lasted for one and half } \\
\text { month resulting in nuisance to nearby residence. } \\
\text { On 18 March 2016, the complainant further } \\
\text { clarified on 18 March 2016 that the concerned } \\
\text { location shall be Lung King Street near the parking } \\
\text { spaces for motorcycles and the Contract no. as }\end{array}
$$ <br>
stated on the publicity board is HK/2012/08. <br>
Furthermore, the complainant identified the noise <br>
was from power generators. According to the <br>
relevant site records provided by RSS, there was <br>
neither construction works nor operation of power <br>
generators under Contract HK/2012/08 at the <br>
concerned location from 1900hrs to 0700hrs <br>
during the period from 23 February 2016 to 14 <br>

March 2016.\end{array}\right\}\)| 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. |


| 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 | $\begin{aligned} & \text { 07 March } \\ & 2016 \end{aligned}$ | 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 | 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. <br> ET confirmed with the Resident Site Staff that soil excavation at ELS area, Zone A2(2), was carried out, where at approx. 100 m 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. <br> 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. <br> According to the relevant site records provided by RSS, soil excavation at ELS area, Zone A2(2) was carried out, where at approx. 100 m from the waterfront of Lung King Street under Contract | Interim investigation report submitted to EPD on 18 March 2016. <br> EPD advised no comment on 29 April 2016 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> Nevertheless, in view of the public concern, the |  |

\(\left.$$
\begin{array}{|l|l|l|l|l|l|l|}\hline \begin{array}{c}\text { Complaint } \\
\text { Log No. }\end{array} & \begin{array}{l}\text { Date of } \\
\text { Complaint }\end{array} & \begin{array}{l}\text { Received From } \\
\text { and Received By }\end{array} & \begin{array}{l}\text { Location of } \\
\text { Complainant }\end{array} & \text { Nature of Complaint } & \text { Outcome } \\
\hline & & & & & \begin{array}{l}\text { Contractor was recommended to maintain regular } \\
\text { checking of the plants and equipment deployed on } \\
\text { site to avoid potential air quality impact to the } \\
\text { nearby public and to maintain adequate dust } \\
\text { suppression measures on site to avoid potential } \\
\text { dust impact to the surroundings. The Contractor }\end{array}
$$ <br>
was reminded to maintain regular cleaning of <br>
floating refuse within the construction site area to <br>
avoid potential nuisance to the surroundings. The <br>
Contractor was also reminded to maintain the noise <br>

mitigation measure if breaking works would be\end{array}\right]\)| required. The Contractor was also suggested to |
| :--- |
| reflect the observed foam to relevant Cooling Mains |
| owners. |

$\left.\begin{array}{|l|l|l|l|l|l|}\hline \begin{array}{c}\text { Complaint } \\ \text { Log No. }\end{array} & \begin{array}{c}\text { Date of } \\ \text { Complaint }\end{array} & \begin{array}{l}\text { Received From } \\ \text { and Received By }\end{array} & \begin{array}{l}\text { Location of } \\ \text { Complainant }\end{array} & \text { Nature of Complaint } & \text { Outcome } \\ \hline & & & & & \begin{array}{l}\text { Status } \\ \text { Based on the site records confirmed by RSS, pipe } \\ \text { laying works between Pier 32 and Pier 33 and } \\ \text { excavation and blinding works for Manhole at Pier } \\ 34 \\ \text { were in progress on 22 March 2016. The } \\ \text { observed drain hole was identified to be the outlet } \\ \text { point of a manhole and a section of an abandoned } \\ \text { U-channel (extending from the concerned manhole } \\ \text { to the Hong Kong Electric Substation in length } \\ \text { along the site boundary) was adjoining the } \\ \text { concerned manhole and sandbag was previously } \\ \text { placed at the U-channel at the location near the } \\ \text { inlet point the the concerned manhole. In addition, } \\ \text { no site discharge point was connected to the } \\ \text { aforesaid U-channel and the concerned manhole. } \\ \text { In view of the environmental concern, the following }\end{array} \\ \text { remedial and precautionary actions were taken by } \\ \text { the Contractor of HY/2009/19 on 29 March 2016. } \\ \text { i)Plugging the inlet point of the concerned manhole } \\ \text { (connecting to the abandoned U-channel) with }\end{array}\right]$

| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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 $\mathrm{HY} / 2009 / 19$ 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. <br> 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 |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | of the observed pipping with discharge to prevent further seepage water into the construction site. |  |
| $\begin{aligned} & \text { H08/RS/000 } \\ & 07662-16 \end{aligned}$ | $\begin{array}{\|l} \text { 05 April } \\ 2016 \end{array}$ | EPD complaint received by ET on 05 April 2016 | Construction area opposite to Harbour Heights | Construction dust emission arising from drilling activity | A public complaint regarding construction dust emission was referred by EPD was received by ET on 05 April 2016 (Case Ref.: H08/RS/0000766216). 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). <br> 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 <br> 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. <br> 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. | The interim report was submitted to the EPD on 14 April 2016. <br> EPD <br> 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. <br> EPD advised no comment on 02 <br> September 2016 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 <br> Ref.:2- <br> 203652505 <br> 5 dated 27 <br> March 2016 | $\begin{array}{\|l} 27 \text { March } \\ 2016 \end{array}$ | ICC complaint case received by ET on 11 April 2016 | Victoria Park Road Pedestrian Pathway | Toppling of tree | 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. <br> 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. <br> 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. <br> 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. <br> With respect to the observed incident of the toppling of the concerned tree T710, the | Investigation Report issued on 15 April 2016 and case closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 | $\begin{aligned} & \text { 12 April } \\ & 2016 \end{aligned}$ | 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). | 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). <br> 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. <br> Surface runoff control measures including provision of concrete bund at the concerned location was implemented by Contract HK/2009/02. <br> No soil \& silt deposition along the seawall at the concerned location on 12 April 2016. <br> No discharge point located in the vicinity of the concerned location under Contract HK/2009/02. <br> Silt curtain with buoyancy floats acting as anchor points was installed at Monitoring Station RW21P789 for Water intakes. | Investigation report issued on 19 April 2016 and case closed |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EPD Ref.: <br> H05/RS/000 <br> 08367-16 <br> dated 13 <br> April 2016 | $\begin{aligned} & 13 \text { April } \\ & 2016 \end{aligned}$ | 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 | 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. <br> 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. <br> Protection measure including provision of sandbag bunding along the side of the landing barge was implemented by the Contractor of HK/2012/08. <br> 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. <br> Follow up inspection was conducted on 19 April 2016, protection measures including provision of | Interim investigation report was submitted to the EPD on 21 April 2016. <br> EPD advised no further comment on 06 June 2016 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| EPD Ref: <br> H05/RS/000 <br> 12646-16 <br> dated 27 <br> May 2016 | $\begin{aligned} & \text { 26 May } \\ & 2016 \end{aligned}$ | 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 | 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). <br> 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. <br> According to the relevant site records provided by | Interim investigation report submitted to EPD on 7 June 2016. <br> EPD advised no further comment on 05 August 2016 on the report submitted and case closed. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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 $0700 h r s$ on 25 May 2016 and from 1900hrs on 25 May 2016 to 0700 hrs 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-RS039016 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 2300 hours to minimize potential noise concern to the surroundings from 28 May 2016. <br> 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. |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EPD Ref: H08/RS/000 14627-16 dated 16 June 2016 | $\begin{array}{\|l} 15 \text { June } \\ 2016 \end{array}$ | 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. | 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. <br> 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. <br> 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 1920 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19. <br> 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. <br> 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 1920 (opposite to Sea View Estate) to prevent splashing of water to outside area were implemented by the Contractor of HY/2009/19. | 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 <br> September 2016. |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> 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. |  |
| EPD Ref: <br> H08/RS/000 <br> 16213-16 <br> dated 14 <br> July 2016 | $\begin{aligned} & 30 \text { June } \\ & 2016 \end{aligned}$ | 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. | 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 0300 hrs and construction dust emission from construction site of TS3 near Slip Road 8 section. <br> 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. <br> Noise mitigation measures including equipping the crawler crane with noise barrier was implemented | 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | by the Contractor of HY/2010/08. <br> Dust mitigation measures including manual spraying of water and mist nozzles are deployed on the ground level and at the cofferdam. <br> 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. <br> 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. <br> 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. <br> In view of the above, the Contractor of HY/2010/08 was advised to review the site control system for |  |


| Complaint <br> Log No. | Date of <br> Complaint | Received From <br> and Received By | Location of <br> Complainant | Nature of Complaint | Outcome |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  | Construction works carried out during restricted <br> hours to check and ensure the model/ specific <br> PMEs deployed are in compliance with relevant <br> Construction Noise Permit. The Contractor of <br> HY/2010/08 was also reminded to maintain regular <br> 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. |  |  |  |  |  |


| Complaint Log No. | Date of Complaint | Received From and Received By | Location of Complainant | Nature of Complaint | Outcome | Status |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 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. <br> Based on the site records confirmed by RSS, underwater welding of lagging plate at Zone $C$ was conducted from 0800hrs to 2100 hrs 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. <br> 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. |  |

## Appendix 10.1

Construction Programme of Individual Contracts

HK/2009/01 Roadworks, Drainage and Sewerage Works at Junction of Expo Drive and Expo Drive Central



































































[^0]:    Ramboll Environ Hong Kong Limited 英環香港有限公司
    Room 2403，24／F．，Jubilee Centre， 18 Fenwick Street，Wanchai，Hong Kong Tel： 852.34652888 Fax： 852.34652899
    www．Ramboll－Environ．com

[^1]:    * Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

[^2]:    Hong Kong Accreditation Service（HKAS）has accredited this laboratory（Reg．No． 028 －CAL）under the Hong Kong Laboratory Accreditation Scheme （HOKLAS）for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories．The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation．Such terms of accreditation stipulate that the results shall be traceable to the International System of Units（S．I．）or recognised measurement standards．This certificate shall not be reproduced except in full．

[^3]:    Hong Kong Accreditation Service（HKAS）has accredited this laboratory（Reg．No． 028 －CAL）under the Hong Kong Laboratory Accreditation Scheme（HOKLAS）for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories．The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation．Such terms of accreditation stipulate that the results shall be traceable to the International System of Units（S．I．）or recognised measurement standards．This certificate shall not be reproduced except in full．

