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Report No.: 0125/14/ED/0056G

Baseline Environmental Monitoring Report

August 2014

Client : Maxewell Geosystems Ltd.

Project : West Kowloon Cultural District

Report No. : 0125/14/ED/0056G

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Contents

List of Tables

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Report No.: 0125/14/ED/0056G

List of Figure

List of Appendix

Report No.: 0125/14/ED/0056G

EXECUTIVE SUMMARY

Maxewell Geosystems Ltd. has appointed MateriaLab Consultants Limited (MCL) to undertake the Baseline Environmental Monitoring for the Project of West Kowloon Cultural District (WKCD) from 22 July 2014 to 15 August 2014.

Supplementary baseline noise monitoring was conducted at The Victoria Towers – Tower 1 during 22 January 2015 and 25 January 2015 to eliminate interference from outlier data recorded between 22 July 2014 and 15 August 2014.

Baseline water quality monitoring has not been carried out because there is no marine construction works to be carried out in WKCD. If any marine construction works including modification of seawall and construction of landing steps and possible piers are to be carried out in the future, baseline water quality monitoring shall be conducted according to the methodologies set out in the EM&A manual.

The baseline environmental monitoring works for the parameters of 1-hour and 24-hour Total Suspended Particulates (TSP), and noise conducted at each monitoring stations are as follows:

Air Quality Monitoring

Designated Monitoring Stations in EM&A Manual	Monitoring Stations in accordance with EM&A Manual	Alternative Monitoring Stations	Baseline Monitoring Period
AM1 - International Commerce Centre	Yes	N/A	22 July 2014 to 06 Aug 2014
AM2 - The Harbourside Tower 1	Yes	N/A	29 July 2014 to 15 Aug 2014
AM3 - The Victoria Towers - Tower 1	Yes	N/A	22 July 2014 to 04 Aug 2014
AM4 - Canton Road Government Primary School	Yes	N/A	22 July 2014 to 05 Aug 2014

Noise Monitoring

Designated Monitoring Stations in EM&A Manual	Monitoring Stations in accordance with EM&A Manual	Alternative Monitoring Stations	Baseline Monitoring Period
NM3 - The Victoria Towers - Tower 1	Yes	N/A	22 July 2014 to 14 Aug 2014, 22 & 25 Jan 2015
NM4 - Canton Road Government Primary School	Yes	N/A	22 July 2014 to 04 Aug 2014

The following monitoring activity is suspended:

1. Due to the electricity shortage, monitoring of TSP at AM2 were suspended on 2/8 (24-hr), 3/8 (1-hr and 24-hr) and 13/8-14/8 (24-hr), and rescheduled to 11/8, 12/8 and 15/8 (24-hr) respectively.
2. Due to electricity shortage, monitoring of 24-hour TSP at AM4 were suspended on 3/8, and rescheduled to 5/8.

3. Due to objection from property owners, noise monitoring at NM1 - The Harbourside Tower 1 and NM2 - The Arch – Sun Tower could not be carried out in the baseline monitoring period.
4. Due to site conditions (objection from property owner), the noise monitoring at NM3 was suspended on 30/7, 31/7, 1/8-6/8 and 12/8-13/8, and rescheduled to 7/8-11/8 and 14/8.
5. Due to interference by outlier data recorded on 10/8-11/8, noise monitoring data at NM3 on these two days were disregarded. Data was substituted by supplementary noise monitoring data on 22/1/2015 & 25/1/2015.

Baseline Monitoring Observations

According to on-site observation, the influencing factor in the vicinity of the monitoring stations was recorded. A summary of the weather and influencing factors for baseline monitoring works is given below:

Table A Summary of the Weather and Influencing Factors for Baseline Monitoring Works

Monitoring Stations	Date	Influencing Factors And Major Activities
AM1	July 2014: 22 23 24 25 26 **27** 28 29 30 31 / Aug 2014: 01 02 **03** 04 05 06	
AM2	July 2014: 29 30 31 / Aug 2014: 01 02 04 05 06 07 08 09 **10** 11 12 15	Road traffic dust and MTR site activities
AM3	July 2014: 22 23 24 25 26 **27** 28 29 30 31 / Aug 2014: 01 02 **03** 04	
AM4	July 2014: 22 23 24 25 26 **27** 28 29 30 31 / Aug 2014: 01 02 **03** 04 05	

Monitoring Stations	Date	Influencing Factors And Major Activities
NM3	July 2014: 22 23 24 25 26 27 28 29 / Aug 2014: 07 08 09 14 / Jan 2015: 22 **25**	Road traffic noise
NM4	July 2014: 22 23 24 25 26 **27** 28 29 30 31 / Aug 2014: 01 02 **03** 04	Road traffic noise

Remarks

Sunny	
Cloudy	
Rainy	
Sunday	

Air Quality

Data collected was reviewed and analyzed to determine the Action and Limit Levels for air quality during impact monitoring throughout the construction of the Project. Details of the

methodology, locations and results are presented in this report. Results summary of 1-hr TSP and 24-hr TSP are given in Table B and C respectively.

Table B Summary of Baseline 1-hour TSP Monitoring Results

Monitoring Station	Average TSP Concentration, µg/m³ (Range)
AM1	36.4 (5.7 – 84.9)
AM2	37.2 (5.6 – 122.2)
AM3	46.7 (5.9 – 160.7)
AM4	43.9 (5.3 – 148.4)

Table C Summary of Baseline 24-hour TSP Monitoring Results

Monitoring Station	Average TSP Concentration, µg/m³ (Range)
AM1	20.9 (8.6 – 44.4)
AM2	32.5 (10.9 – 59.0)
AM3	34.4 (11.0 – 70.8)
AM4	34.7 (6.1 – 60.5)

Noise

Noise levels at the designated monitoring station were measured continuously for 12 hours (0700 to 1900) for a period of 14 consecutive days. Monitoring data collected was reviewed and analyzed. Details of the locations and results are presented in this report. The baseline noise monitoring data was processed according to the following periods:

- Daytime: 0700-1900 hrs on normal weekdays
- Holiday-time: 0700-1900 hrs on holidays

Originally, baseline noise monitoring was proposed to be conducted at the noise monitoring stations as specified in the EM&A Manual, including NM1 – The Harbourside Tower 1, NM2 – The Arch – Sun Tower, NM3 – Victoria Towers and NM4 – Canton Road Government Primary School. However, because of the rejection of both property management offices at The Arch and The Harbourside, baseline noise monitoring could not be carried out for NM1 and NM2 to obtain representative noise level.

After all the alternative approaches (refer to Section 4.5) in obtaining the baseline noise monitoring data near NM1 and NM2 had been explored and exhausted due to site constraints and refusals from property owners, measured baseline noise level of the project "Hong Kong Section of Guangzhou-Shenzhen-Hong Kong Express Link (XRL) has been made as a reference and adopted in this report due to the fact that the site location of West Kowloon Terminus of XRL and its associated works along Austin Road West is the immediate neighbour of the WKCD.

The baseline noise monitoring of XRL project was conducted from December 2009 to January 2010 when there was no major construction activities of XRL project. In addition, after checking the traffic flow of Austin Road West and Lin Cheung Road that dominate the baseline noise level, traffic data has not been changed significantly from 2009 to 2013. As such, the baseline noise data of XRL project is considered a suitable reference to be adopted in this monitoring report.

Report No.: 0125/14/ED/0056G

Reference was made to the baseline noise data measured at Star Tower of The Arch (CN33), which is nearest monitoring location to WKCD. Results summary is given in Table D.

Table D Summary of Daytime Noise Monitoring Results

Daytime 0700-1900 hrs on normal weekdays	Range of Noise Level, dB(A)								
	Leq (30min)			L10			L90		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
NM3	67.2	86.7	56.9	73.0	86.1	59.7	63.8	76.7	52.9
NM4	73.5	78.4	69.7	75.5	80.4	73.0	69.9	73.6	62.2
CN33*	65.4	67.3	62.5	66.8	69.5	64.0	63.3	64.9	60.0

* Monitoring station ID number of The Arch, Star Tower, as referred from XRL Baseline Monitoring Report

1. INTRODUCTION

The West Kowloon Cultural District Authority (WKCDA), empowered by the WKCDA Ordinance (Cap. 601), was set up by the Government with the full support of the Legislative Council (LegCo) in October 2008 to take forward the WKCD project.

WKCDA has appointed Maxewell Geosystems Ltd. – Engineering Surveys Limited Joint Venture (MEJV) as the Engineering Consultants of the Project and MateriaLab Consultants Limited (MCL) is commissioned by MEJV to undertake the Baseline Environmental Monitoring.

The purpose of the Report is to set out baseline levels for the air quality, noise, landscape and visual in accordance with the EM&A Manual (AEIA-178/2013) and Environmental Permit (VEP-425/2014). These baseline levels for the air quality and noise will be used as the basis for compliance check during the impact monitoring in construction stage of the Project. The landscape and visual baseline monitoring aims to collect information on the current site characteristics prior to the development in order to make comparisons between pre-development and post-development, detect change, and make comparisons against a standard. This Report presents the locations, equipment, period, methodology, results and observations for the air quality, noise monitoring, landscape and visual monitoring during the baseline period.

The structure of the Report is summarized as follows:

Section 1: Introduction, purpose and the structure of the report
Section 2: Project background information
Section 3: Air Quality, which describes the baseline air quality monitoring
Section 4: Noise, which describes the baseline noise monitoring
Section 5: Landscape and Visual, which describes the baseline landscape and visual impact
Section 6: Revisions for inclusion in the EM&A Manual
Section 7: Conclusions

2. PROJECT BACKGROUND INFORMATION

The West Kowloon Cultural District project ("***Project***") is one of the programmes which will deliver up to 17 new performance and visual arts venues, museums, open spaces, education resources, commercial and retail opportunities. With funding from the Government of the Hong Kong SAR, the West Kowloon Cultural District ("***WKCD***") being developed for the people of Hong Kong and visitors from around the world. The WKCD positions itself as a leading cultural brand of the future.

The Authority has completed an Environmental Impact Assessment (EIA) study for the WKCD under the Project Consultancy District – Development Plan. The WKCD Schedule 3 EIA Report was approved on 18 November 2013 under the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). The Environmental Monitoring and Audit Manual (EM&A Manual) of the Schedule 3 EIA Report requires a baseline environmental monitoring to be implemented before the commencement of construction works. The baseline environmental monitoring, in general, includes air quality impact, noise impact, landscape & visual condition survey.

The result of this baseline environmental monitoring will also be used as a baseline report before the commencement of the Schedule 2 Designated Project "Underpass Road and Austin Road Flyover serving the WKCD" to which an Environmental Permit has been issued.

3. BASELINE ENVIRONMENTAL MONITORING (AIR QUALITY IMPACT)

3.1 Monitoring Requirements

In accordance with the EM&A Manual, baseline air quality monitoring (1-hour and 24-hour average Total Suspended Particulate (TSP) levels) shall be carried out at all the designated monitoring locations for at least 14 consecutive days to obtain daily 24-hour TSP samples. 1-hour TSP sampling shall also be done at least 3 times per day while the highest dust impact is expected.

1-hr and 24-hour TSP air quality monitoring were performed using High Volume Sampler (HVS) associated with equipment and shelter complied with the specifications stipulated in the EM&A Manual.

3.2 Monitoring Methodology

Instrumentation

High Volume Samplers (HVS) completed with appropriate sampling inlets were employed for air quality monitoring. Each sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).

HVS Installation

The following guidelines were adopted during the installation of HVS:

- Sufficient support is provided to secure the samplers against gusty wind.
- No two samplers are placed less than 2 meters apart.
- The distance between the sampler and an obstacle, such as buildings, is at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2 meters of separation from walls, parapets and penthouses is required for rooftop samples.
- A minimum of 2 meters separation from any supporting structure, measured horizontally is required.
- No furnaces or incineration flues are nearby.
- Airflow around the samplers is unrestricted.
- The samplers are more than 20 meters from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.

Filters Preparation

Fiberglass filters (G810) were used (Note: these filters have a collection efficiency of larger than 99% for particles of 0.3 mm diameter). A HOKLAS accredited laboratory is responsible for the preparation of 24-hr conditioned and pre-weighed filter papers for monitoring team.

All filters are equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature is around 25°C and not variable by more than ±3°C; the

relative humidity (RH) is < 50% and not variable by more than ±5%. A convenient working RH is 40%.

Operating/Analytical Procedures for 1-hour and 24-hour TSP Air Quality Monitoring

Operating / analytical procedures for the air quality monitoring are highlighted as follows:

- Prior to the commencement of the dust sampling, the flow rate of the HVS are properly set (between 1.1 m³ /min. and 1.4 m³ /min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50. The flow rate shall be indicated on the flow rate chart.
- The power supply shall be checked to ensure the samplers worked properly.
- On sampling, the samplers shall be operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air quality monitoring station.
- The filter holding frame is then removed by loosening the four nuts and carefully a weighted and conditioned filter is centered with the stamped number upwards, on a supporting screen.
- The filter shall be aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame is tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
- The shelter lid shall be closed and secured with the aluminum strip.
- The timer is then programmed. Information shall be recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- After sampling, the filter shall be removed and sent to laboratory for weighing. The elapsed time is also recorded.
- Before weighing, all filters are equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%. Weighing results are returned to MCL for further analysis of TSP concentrations collected by each filter.

3.3 Name of Laboratory and Types of Equipment Used and Calibration Details

HOKLAS accredited laboratory – ALS Technichem (HK) Pty Ltd is responsible for the preparation of 1-hr and 24-hr conditioned and pre-weighed filter papers for monitoring team.

Table 3.1 summarizes the equipment used in the baseline air quality monitoring programme. Copies of the calibration certificates for the equipment are presented in Appendix A.

Table 3-1 Air quality monitoring equipment

Item	Equipment	Model Number	Serial Number
1	HVS Sampler Thermo HS2310	G310-1	2086
2	HVS Sampler Thermo HS2310		2091
3	HVS Sampler Thermo HS2310		2088
4	HVS Sampler Tisch TE-5170	TE-5005X	3841
5	HVS Sampler Tisch TE-5170		3834
6	HVS Sampler Tisch TE-5170		3835
7	HVS Sampler Tisch TE-5170		3796
8	HVS Sampler Tisch TE-5170		3802
	HVS Sampler Calibrator	Tisch TE-5025A	2456

Maintenance / Calibration for 1-hour and 24-hour Air Quality Monitoring

The following maintenance / calibration are required for the HVS:

- The high volume motors and their accessories are properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking are made to ensure that the equipments and necessary power supply are in good working condition.
- All HVS shall be calibrated (five point calibration) using Calibration Kit prior to the commencement of the baseline monitoring.
- A copy of the calibration certificates for the HVS and calibrator are attached in Appendix A.

3.4 Parameters Monitored

Table 3.2 summarizes the monitoring parameters, monitoring duration and frequencies of air quality monitoring.

Table 3-2 Monitoring parameters, duration, frequency of air quality monitoring

Parameter	Duration	Frequency
1-hr TSP	14 consecutive days	1 hour x 3 per day
24-hr TSP	14 consecutive days	24 hours per day

3.5 Monitoring Locations

According to the EM&A Manual, four designated air quality monitoring stations, AM1 to AM4 are selected as they are the representative air sensitive receivers located near to the Project site. All designated air quality monitoring stations listed in EM&A Manual and alternative environmental monitoring locations are summarized in the following table:

Table 3-3 Monitoring Locations

Designated Monitoring Stations in EM&A Manual	Alternative Monitoring Stations
AM1 - International Commerce Centre	N/A
AM2 - The Harbourside Tower 1	N/A
AM3 - The Victoria Towers - Tower 1	N/A
AM4 - Canton Road Government Primary School	N/A

Seeking Permission from Premises Owner for Setting Up Monitoring Station

Site visit was conducted with the representatives of Property Management Company on 4 July 2014 at The Harbourside Tower 1 for selecting the most representative location for environmental monitoring. Letter was sent and phone call was made to the responsible staff of the Property Management Company to explain the purpose and details regarding to the environmental monitoring since June 2014. However, the notification of not permitting the setup of environmental (air quality and noise) monitoring equipments at The Harbourside Tower 1 was received from the Property Management Company of The Harbourside. Letters of rejection by the owners committee is shown in Appendix G.

Subsequently, alternative air monitoring stations had been explored on the podium level of Kowloon Station as well as construction area of MTR XRL 810B to place air monitoring equipment for baseline monitoring. Responsible staff from the property management company of MTR XRL 810B had been contacted. However, adverse comments were received from both property management company of MTR.

Considering the fact that suitable location for placing air quality monitoring equipment could not be identified on the building of The Harbourside Tower 1 (please refer to photo in Appendix G), baseline monitoring was then proposed to be conducted on the ground level right below the podium of the ASRs after all the available options had been exhausted.

While baseline air monitoring could not be arranged on or above the podium level of The Harbourside Tower 1, effort will be made to lobby the owners committee in hope of getting their consent to allow impact monitoring to be carried out during construction phase.

3.6 Monitoring Date, Time, Frequency and Duration

The environmental monitoring schedule is shown in Table 3.4.

Table 3-4 Monitoring Schedule for Air Montiroing

SUN	MON	TUE	WED	THU	FRI	SAT
20 Jul	21	22 A1(24) A3(1) A3(24) A4(1) A4(24)	23 A1(24) A3(1) A3(24) A4(1) A4(24)	24 A1(1) A1(24) A3(1) A3(24) A4(1) A4(24)	25 A1(1) A1(24) A3(1) A3(24) A4(1) A4(24)	26 A1(1) A1(24) A3(1) A3(24) A4(1) A4(24)
27 A1(1) A1(24) A3(1) A3(24) A4(1) A4(24)	28 A1(1) A1(24) A3(1) A3(24) A4(1) A4(24)	29 A1(1) A1(24) A2(1) A2(24) A3(1) A3(24) A4(1) A4(24)	30 A1(1) A1(24) A2(1) A2(24) A3(1) A3(24) A4(1) A4(24)	31 A1(1) A1(24) A2(1) A2(24) A3(1) A3(24) A4(1) A4(24)	1 Aug A1(1) A1(24) A2(1) A2(24) A3(1) A3(24) A4(1) A4(24)	2 A1(1) A1(24) A2(1) A3(1) A3(24) A4(1) A4(24)
3 A1(1) A1(24) A3(1) A3(24) A4(1)	4 A1(1) A1(24) A2(1) A2(24) A3(1) A3(24) A4(1) A4(24)	5 A1(1) A2(1) A2(24) A4(24)	6 A1(1) A2(1) A2(24)	7 A2(1) A2(24)	8 A2(1) A2(24)	9 A2(1) A2(24)
10 A2(1) A2(24)	11 A2(1) A2(24)	12 A2(1) A2(24)	13	14	15 A2(24)	16

Note:
- A1(1), A2(1), A3(1), A4(1): 1-hr TSP monitoring at AM1, AM2, AM3 and AM4.
- A1(24), A2(24), A3(24), A4(24): 24-hr TSP monitoring at AM1, AM2, AM3 and AM4.
- 1-hr TSP and 24-hr TSP are conducted for 14 consecutive days before commencement of construction works. 1-hr sampling shall be done at least three times per day when the highest dust impacts are expected
- Due to the electricity shortage, monitoring of 1-hour and 24-hour TSP at AM2 were suspended on 2/8 (24-hr), 3/8 (1-hr and 24-hr) and 13/8-14/8 (24-hr), and rescheduled to 11/8(1-hr and 24-hr), 12/8(1-hr and 24-hr) and 15/8 (24-hr) respectively.
- Due to electricity shortage, monitoring of 24-hour TSP at AM4 were suspended on 3/8, and rescheduled to 5/8.

3.7 Baseline Monitoring Observations

According to on-site observation, the influencing factor in the vicinity of the monitoring stations was recorded. A summary of the weather and influencing factors for baseline monitoring works is given below:

Table 3-5 Summary of the Weather and Influencing Factors for Baseline Monitoring Works

Monitoring Stations	Date																Influencing Factors And Major Activities
AM1	July 2014										Aug 2014						
	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05	06	
AM2	July 2014			Aug 2014													Road traffic dust and MTR site activities
	29	30	31	01	02	04	05	06	07	08	09	10	11	12	15		
AM3	July 2014										Aug 2014						
	22	23	24	25	26	27	28	29	30	31	01	02	03	04			
AM4	July 2014										Aug 2014						
	22	23	24	25	26	27	28	29	30	31	01	02	03	04	05		

Remarks

Sunny	
Cloudy	
Rainy	
Sunday	

3.8 Quality Assurance (QA) / Quality Control (QC) Results and Detection Limits

ALS Technichem (HK) Pty Ltd (HOKLAS Reg No. 066) has a comprehensive quality assurance and quality control programmes.

3.9 Results

Baseline air quality monitoring was conducted at 4 monitoring stations, namely AM1, AM2, AM3 and AM4 in the period between 22 July 2014 and 15 August 2014

The monitoring data are summarized in Tables 3.6 and 3.7. All monitoring data of 1-hour and 24-hour TSP are presented in Appendix B.

Table 3-6 Summary of Baseline 1-hour TSP Monitoring Results

Monitoring Station	Average TSP Concentration, µg/m³ (Range)
AM1	36.4 (5.7 – 84.9)
AM2	37.2 (5.6 – 122.2)
AM3	46.7 (5.9 – 160.7)
AM4	43.9 (5.3 – 148.4)

Table 3-7 Summary of Baseline 24-hour TSP Monitoring Results

Monitoring Station	Average TSP Concentration, µg/m³ (Range)
AM1	20.9 (8.6 – 44.4)
AM2	32.5 (10.9 – 59.0)
AM3	34.4 (11.0 – 70.8)
AM4	34.7 (6.1 – 60.5)

3.10 Action and Limit Levels

The Action and Limit Levels have been set in accordance with the EM&A Manual, which are summarized in Table 3.8.

Table 3-8 Guidelines for Establishing Action and Limit Levels for Air Quality

Parameters	Action Level	Limit Level
1-hour TSP Level in µg/m³	For baseline level ≤384µg/m³, Action level = (Baseline level * 1.3 + Limit level)/2 For baseline level > 384µg/m³, Action level = Limit level	500
24-hour TSP Level in µg/m³	For baseline level ≤200µg/m³, Action level = (Baseline level * 1.3 + Limit level)/2 For baseline level > 200µg/m³, Action level = Limit level	260

Following the above guidelines, the Action and Limit Levels for air quality impact monitoring have been set, as presented in Tables 3.9 and 3.10.

Table 3-9 Action and Limit Levels for 1-hour TSP

Location	Action Level, µg/m³	Limit Level, µg/m³
AM1	273.7	500
AM2	274.2	
AM3	280.4	
AM4	278.5	

Table 3-10 Action and Limit Levels for 24-hour TSP

Location	Action Level, µg/m³	Limit Level, µg/m³
AM1	143.6	260
AM2	151.1	
AM3	152.4	
AM4	152.6	

The Event and Action Plan for Air Quality is given in **Table 3-11**.

Table 3-11 Typical Event and Action Plan for Air Quality

Event	ET	IEC	WKCDA	Contractor
Action Level				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and WKCDA; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC and WKCDA; 3. Advise the WKCDA on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and WKCDA; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to WKCDA within three working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.
Limit Level				
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform WKCDA, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the WKCDA on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
2. Exceedance for two or more consecutive samples	1. Notify IEC, WKCDA, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and WKCDA to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly; 5. Monitor the	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the WKCDA until the

Event	ET	IEC	WKCDA	Contractor
	actions and keep IEC, EPD and WKCDA informed of the results; 8. If exceedance stops, cease additional monitoring.	implementation of remedial measures.	and instruct the Contractor to stop that portion of work until the exceedance is abated.	exceedance is abated.

4. BASELINE ENVIRONMENTAL MONITORING (NOISE IMPACT)

4.1 Monitoring Requirements

In accordance with the EM&A Manual, baseline monitoring shall be carried out daily for a period of at least 14 consecutive days at the designated monitoring stations. The noise levels shall be measured in terms of the A-weighted equivalent continuous sound pressure level (Leq).

4.2 Monitoring Methodology

Field Monitoring

The monitoring procedures are as follows:

- The monitoring station was set at a point 1m from the exterior of the sensitive receivers building façade and set at a position 1.2m above the ground.
- The battery condition was checked to ensure good functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time will set as follows:
  - frequency weighting : A
  - time weighting : Fast
  - measurement time : Daily between 0700 and 1900 hrs
- Prior to and after noise measurement, the meter shall be calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement will considered invalid and repeat of noise measurement is required after re-calibration or repair of the equipment.
- The wind speed at the monitoring station shall be checked with the portable wind meter. Noise monitoring should be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.
- Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
- At the end of the monitoring period, the Leq, L10 and L90 shall be recorded. In addition, site conditions and noise sources should be recorded on a standard record sheet.

4.3 Types of Equipment Used and Calibration Details

Monitoring Equipment

The noise levels were determined using sound level meter. The meter complies with the International Electrotechnical Commission Publication (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications as referred to in the Technical Memorandum issued under the Noise Control Ordinance (NCO).

Sound level calibrators were used for the on-site calibration of the meter. This calibrator complies with the IEC Publication 942 (1988) Class 1 and ANSI S1.40 - 1984. Noise

measurements were only accepted to be valid if the calibration levels from before and after the measurement agree to within 1.0dB.

Measurements shall be recorded to the nearest 0.1dB. This noise monitors are programmed to measure A-weighted equivalent continuous sound pressure level at 30-minute intervals on normal weekdays and at 5-minute interval during other time periods. The noise measurement shall be conducted continuously throughout the measurement period between 0700 and 1900 hrs during daytime for 14 consecutive days.

Table 4.1 summarizes the noise monitoring equipment model being used for this project.

Table 4-1 Noise Monitoring Equipment

Item	Equipment	Model Number	Serial Number
1	Integrating Sound Level Meter	Casella CEL-633A	4637931
2	Integrating Sound Level Meter	Casella CEL-633C	4637966
3	Integrating Sound Level Meter	B&K2250	2704792
4	Integrating Sound Level Meter	B&K2250	3000103
5	Calibrator	Casella CEL-120/1	5230742
6	Wind Speed Anemometer	Smart Sensor AR816+	

Maintenance and Calibration procedures are as follows:

- The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.
- The sound level meter and calibrator should be calibrated annually by a HOKLAS laboratory.

Current calibration certificates with name of laboratory are attached in Appendix A.

4.4 Parameters Monitored

In accordance with the EM&A Manual, baseline noise for the A-weighted levels Leq, L10 and L90 was recorded. Data obtained from the baseline noise monitoring was processed and presented according to the following periods:

- Daytime: 0700-1900 hrs on normal weekdays
- Holiday-time: 0700-1900 hrs on holidays

4.5 Monitoring Locations

Table 4.2 gives the location of the monitoring station during the baseline noise monitoring, and is also shown in Figure 3.1 of Appendix D.

Table 4-2 Location of Noise Monitoring Station

Monitoring Station	Location of Measurement
NM3 - The Victoria Towers - Tower 1	Podium (about 3/F) Area
NM4 - Canton Road Government Primary School	5/F Podium

Note:
Noise monitoring at NM1 - Harbourside Tower 1, NM2 – The Arch – Sun Tower could not be conducted due to objections from property owners. Details are explained in the following section "Seeking Permission from Premises Owner for Setting Up Monitoring Station".

Seeking Permission from Premises Owner for Setting Up Monitoring Station

Initially, baseline noise monitoring was proposed to be conducted at the noise monitoring stations as specified in the EM&A Manual, including NM1 – The Harbourside Tower 1, NM2 – The Arch – Sun Tower, NM3 – Victoria Towers and NM4 – Canton Road Government Primary School.

Site visit was conducted with the representatives of Property Management Company on 4 July 2014 at The Harbourside Tower 1 (NM1) and The Arch – Sun Tower (NM2) for selecting the most representative location for environmental monitoring. Letter was sent and phone call was made to the responsible staff of the Property Management Company to explain the purpose and details regarding the environmental monitoring since June 2014. However, the notification of not permitting the setup of environmental (air quality and noise) monitoring equipments at The Harbourside Tower 1 and The Arch – Sun Tower was received from the Property Management Company of The Harbourside and The Arch respectively. Letters of rejection by the owners committee is shown in Appendix G.

In April 2015, Property Management Companies of both The Harbourside and The Arch were approached again to request for baseline noise monitoring to be carried out at their premises. Despite repeated enquiries, property owners insist on not allowing the set up of monitoring equipment within their premises.

Subsequently, alternative noise monitoring locations to obtain baseline noise level had been explored on the podium level of Kowloon Station as well as construction area of the MTR XRL 810B to place sound level meter for baseline monitoring. Responsible staff from the property management company of ICC and MTR XRL 810B had been contacted. However, adverse comments were received from both property management company of ICC and MTR. Location plan is shown in Appendix G displaying the location within construction site of XRL 810B in which baseline noise monitoring was requested to be carried out. Correspondences with XRL and property management company of ICC is also shown in Appendix G.

To explore other practicable monitoring locations and methods in obtaining representative noise level, Highways Department had been approached on the possibility of conducting baseline noise and construction noise monitoring by mounting sound level meter on public street lamp pole at Austin Road West. The request was turned down by Highways Department. Correspondences with Highways Department, including the reply to enquiry of giving reason to the rejection is shown in Appendix G.

While baseline noise monitoring could not be arranged on or above the podium level of The Harbourside Tower 1 and The Arch – Sun Tower, effort will be made to lobby the owners

committee of the two NSRs in hope of getting their consent to allow impact monitoring to be carried out during construction phase.

Table 4.3 summarizes the types of measurement undertaken for each monitoring stations.

Table 4-3 Type of Measurement

Monitoring Station	Measurement Type
NM3 - The Victoria Towers - Tower 1	Façade measurement
NM4 - Canton Road Government Primary School	Façade measurement

4.6 Monitoring Date, Time, Frequency and Duration

Table 4.4 presents the noise monitoring parameters and frequencies.

Table 4-4 Monitoring Parameters and Frequencies of Noise Monitoring

Monitoring Stations	Parameter	Frequency and Period
NM3 & NM4	LAeq (30 min) (L10 and L90 will also record as supplementary information)	Continuously throughout the measurement period for 14 consecutive days Measurement Period: Daytime: 0700-1900 hrs on normal weekdays
	LAeq (5 min) (L10 and L90 will also record as supplementary information)	Continuously throughout the measurement period for 14 consecutive days Measurement Period: General Holidays and Sundays: 0700-1900 hrs

The environmental monitoring schedule is shown in Table 4.5.

Table 4-5 Monitoring Schedule

July – Aug 2014

SUN	MON	TUE	WED	THU	FRI	SAT
20 Jul	21	22 N3 N4	23 N3 N4	24 N3 N4	25 N3 N4	26 N3 N4
27 N3 N4	28 N3 N4	29 N3 N4	30 N4	31 N4	1 Aug N4	2 N4
3 N4	4 N4	5	6	7 N3	8 N3	9 N3
10 ~~N3~~	11 ~~N3~~	12	13	14 N3	15	16

January 2015

SUN	MON	TUE	WED	THU	FRI	SAT
18	19	20	21	22 N3	23	24
25 N3	26	27	28	29	30	31

Note:
- N3, N4 – Noise monitoring at NM3 and NM4 for 14 consecutive days before commencement of construction work.
- Due to site conditions (objection from property owner), noise monitoring at NM3 was suspended on 30/7-31/7 and 1/8-6/8, and rescheduled to 7/8-11/8.
- As monitoring equipment was damaged by pedestrian passing by, the noise monitoring at NM3 was suspended on 12/8-13/8, and rescheduled to 14/8.
- Due to outliers recorded during 10/8-11/8, noise monitoring data of NM3 on these two days was disregarded. Supplementary noise monitoring was conducted on 22/1/2015 and 25/1/2015.

4.7 Baseline Monitoring Observations

According to on-site observation, the influencing factor in the vicinity of the monitoring stations was recorded. A summary of the weather and influencing factors for baseline monitoring works is given below:

Table 4-6 Summary of the Weather and Influencing Factors for Baseline Monitoring Works

Monitoring Stations	Date														Influencing Factors And Major Activities
NM3	July 2014								Aug 2014				Jan 2015		Road traffic noise
	22	23	24	25	26	27	28	29	07	08	09	14	22	25	
NM4	July 2014										Aug 2014				Road traffic noise
	22	23	24	25	26	27	28	29	30	31	01	02	03	04	

Remarks

Sunny	
Cloudy	
Rainy	
Sunday	

4.8 Quality Assurance (QA) / Quality Control (QC) Results and Detection Limits

The sound level meter and calibrator were calibrated annually by the manufacturer or a HOKLAS laboratory. Current calibration certificates are attached in Appendix A.

4.9 Results

Results

Baseline noise monitoring was conducted at the monitoring station in the period between 22 July 2014 and 14 August 2014.

Due to potential disorder of monitoring equipment, outlying data was recorded during 10 and 11 August at NM3 - Victoria Towers. To eliminate interference caused by these outliers, noise monitoring data on these two days was discarded. Data was replaced by that of supplementary baseline noise monitoring conducted on 22 and 25 January 2015.

In addition, baseline noise monitoring at noise monitoring station NM1 – The Harbourside Tower 1 and NM2 – The Arch – Sun Tower could not be carried out due to rejections from both property management offices of The Harbourside and The Arch. After all the alternative approaches (refer to Section 4.5) in obtaining the baseline noise monitoring data at NM1 and NM2 had been explored and exhausted due to site constraints or rejections, it is therefore decided to make reference to the measured noise level from the baseline monitoring of the Hong Kong Section of Guangzhou - Shenzhen - Hong Kong Express Rail Link (XRL) project.

The site location of West Kowloon Terminus of XRL and its associated works along Austin Road West is the immediate neighbour of the WKCD. The baseline noise monitoring of XRL project was conducted from December 2009 to January 2010 when there was no major construction activities of XRL project. The baseline noise data of XRL project is therefore considered a suitable reference to be adopted in this monitoring report.

Reference was made to the baseline noise data measured at Star Tower of The Arch (CN33), which is nearest monitoring location to WKCD, as provided in the XRL Baseline Monitoring Report (Part 4) under the Environmental Permit No. EP-349/2009. Location is shown in Appendix D.
(Retrieved from
http://www.epd.gov.hk/eia/register/english/permit/ep3492009/documents/blmr4/pdf/blmr4.pdf)

Given the baseline noise level in the vicinity of WKCD and MTR XRL (Agreement No. 810B – West Kowloon Terminus Station South) is mainly contributed by traffic noise, it is therefore necessary to compare the road traffic data in the vicinity of WKCD and XRL - West Kowloon Terminus Station South to investigate the changes in traffic flow of Lin Cheung Road and Austin Road West between 2009 and 2013 to determine whether the baseline noise level of XRL project can be adopted.

Road traffic data in 2009 and 2010 has represented the traffic condition of that period of time when the baseline noise monitoring of the XRL project was conducted. On the other hand, because the latest annual traffic census issued by Transport Department is that of 2013, traffic data of 2013 is therefore used to represent the recent traffic condition.

Figures in Table 4.7 have summarized that the changes in road traffic of Lin Cheung Road and Austin Road West from 2009 to 2013. The figures have shown that the changes in annual average daily traffic between 2009 and 2013 are insignificant, except the section of

Austin Road West between Lin Cheung Road and Canton Road. The average annual daily traffic of the road section has been increased from 10,090 to 15,230 between 2010 and 2013.

The increase in traffic flow at the road section of Austin Road West was due to the construction works of the West Kowloon Terminus Station South of XRL project, which commenced in 2010. Site entrance of the XRL construction site was located at the Austin Road West between Wui Man Road and Lin Cheung Road. Because of the construction site and related road diversions, construction vehicles entering or leaving the construction site, as well as other diverted vehicles, had caused an increase in traffic flow at this particular section of Austin Road West between Lin Cheung Road and Canton Road. Notwithstanding the increase in traffic flow at the section of Austin Road West between Lin Cheung Road and Canton Road, it is considered to be temporary due to the construction activities of West Kowloon Terminus Station.

Furthermore, the section of Austin Road West between Lin Cheung Road and Canton Road has a maximum distance of around 500 metres to the Star Tower of the Arch, reference baseline noise monitoring station of the XRL project, and the originally proposed noise monitoring station NM1 and NM2, therefore the significance of traffic at this road section in affecting the noise level would be limited.

Considering the change of traffic flow at road sections of Austin Road West and Lin Cheung Road (represented by Station no. 3298, 4093 and 4094) is not significant and these road sections are in the vicinity of WKCD and MTR XRL, it is justifiable to adopt the baseline noise level data of XRL project for analysis.

Consent has been obtained from MTR to make reference to the data of XRL Baseline Monitoring Report. Correspondences with MTR and Annual Average Daily Traffic of 2010 and 2013 extracted from Annual Traffic Census are provided in Appendix H.

Table 4-7 Change in Road Traffic of Lin Cheung Road and Austin Road West from 2010 to 2013

Station no.*	Road Name	Average Annual Daily Traffic			
		2009	2010	2012	2013
3298*	Lin Cheung Road (From Wui Cheung Rd to Austin Rd West)	13,930	13,860	14,810	13,230
4093*	Lin Cheung Road (From Jordan Rd to Wui Cheung Rd)	28,970	28,820	28,490	29,460
3710*	Austin Rd W (From Lin Cheung Rd to Canton Rd)	-	10,090	14,930	15,230
4094*	Austin Rd W (From Lin Cheung Rd to Nga Cheung Rd)	13,320	13,250	14,310	12,080

Note:
* Station no. is assigned in Annual Traffic Census 2010 and 2013
* Road Traffic Data are retrieved from Annual Traffic Census issued by Transport Department.

Baseline noise monitoring results are summarized in Table 4.8. Baseline noise monitoring results obtained at NM3, NM4 and the data referenced from the XRL Project Baseline

Monitoring Report are given in Appendix B. Graphical presentations of the data are provided in Appendix C.

Table 4-8 Summary of Daytime Noise Monitoring Results

Daytime 0700-1900 hrs	Range of Noise Level, dB(A)								
	Leq (30min)			L10			L90		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
NM3	67.2	86.7	56.9	73.0	86.1	59.7	63.8	76.7	52.9
NM4	73.5	78.4	69.7	75.5	80.4	73.0	69.9	73.6	62.2
CN33#	65.4	67.3	62.5	66.8	69.5	64.0	63.3	64.9	60.0

Note:
Monitoring station ID number of The Arch, Star Tower, as referred from XRL Baseline Monitoring Report

4.10 Action and Limit Levels

The Action and Limit Levels were established in accordance with the EM&A Manual. The baseline noise level shall be referenced during the compliance check in the impact noise monitoring period. Table 4.9 presents the Action and Limit Levels for construction noise.

Table 4-9 Action and Limit Levels for Noise

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A) 70 dB(A) / 65 dB(A)*

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

The Event and Action Plan for Construction Noise is given in **Table 4.10.**

Table 4-10 Event and Action Plan for Construction Noise

Event	Action			
	ET	IEC	WKCDA	Contractor
Action Level	1. Notify WKCDA, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, WKCDA and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the WKCDA accordingly; 3. Advise the WKCDA on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures.	1. Submit noise mitigation proposals to IEC and WKCDA; 2. Implement noise mitigation proposals.
Limit Level	1. Inform IEC, WKCDA, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance;	1. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures;	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and WKCDA within 3 working days of notification; 3. Implement the agreed

Event	Action			
	ET	IEC	WKCDA	Contractor
	5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and WKCDA on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results; 8. If exceedance stops, cease additional monitoring.		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.	proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the WKCDA until the exceedance is abated.

5. BASELINE LANDSCAPE AND VISUAL MONITORING

5.1 Monitoring Parameters

Site visits were undertaken on 5 August to 8 August 2014 to review the baseline landscape and visual conditions of each site and its vicinity with regard to parameters assessed in the Section 10, 14 and 15 of the approved EIA Report of West Kowloon Cultural District (WKCD). This includes landscape resources (LRs), landscape character areas (LCAs) and viewing condition of Visual Sensitive Receiver (VSR) as summarized below:

Table 5-1 List of Landscape Resources (LRs)

Ref. No.	Landscape Resources (LRs)	WKCD	Underpass	Flyover
LR1 – Open Space				
LR1.1	Kowloon Park	✓	✓	
LR1.2	Plaza in front of Kowloon Mosque and Islamic Centre	✓		
LR1.3	Kowloon Park Drive Rest Garden	✓	*	
LR1.4	Roof Top Garden on Hong Kong China Ferry Terminal	✓	✓	
LR1.5	Kowloon Park Drive Playground	✓	✓	
LR1.6	Canton Road Playground	✓	✓	
LR1.7	Temporary open space along the waterfront promenade within the site boundary	✓	✓	✓
LR1.8	King George V Memorial Park	✓	✓	
LR1.9	Ning Po Street & Shanghai Street Rest Garden	✓		
LR1.10	Battery Street Sitting Out Area	✓		
LR1.11	Saigon Street Playground	✓		
LR1.12	Yau Tsim Mong Pet Garden	✓		
LR1.13	Man Cheong Street Community Garden	✓		
LR1.14	Man Cheong Street Rest Garden	✓		
LR1.15	Public Open Space at the podium of Kowloon Station	✓	✓	✓
LR2 – Amenity Planting				
LR2.1	Roadside Plantation along Park Lane Shopper's Boulevard	✓	✓	
LR2.2	Roadside Plantation along Observatory Road	✓	✓	
LR2.3	Amenity Plantation around Tsim Sha Tsui Police Station	✓	✓	
LR2.4	Roadside Trees along Hankow Road	✓		
LR2.5	Roadside Trees along Canton Road in front of Lippo Sun Plaza	✓	✓	
LR2.6	Roadside Plantation along Haiphong Road	✓	✓	
LR2.7	Amenity Planting Strip along Kowloon Park Drive	✓	✓	
LR2.8	Trees along Canton Road to Kowloon Park Drive	✓	✓	
LR2.9	Roadside Plantation in front of Tsim Sha Tsui Fire Station	✓	✓	
LR2.10	Roadside Trees along Scout Path	✓	✓	
LR2.11	Roadside Plantation along Austin Road	✓	✓	
LR2.12	Roadside Trees along the Tak Shing Street	✓		
LR2.13	Roadside Plantation along Nathan Road	✓	✓	
LR2.14	Roadside Plantation along Canton Road	✓	✓	
LR2.15	Roadside Plantation along Wui Cheung Road	✓	✓	
LR2.16	Roadside Plantation along Jordan Road	✓	✓	
LR2.17	Roadside plantation Close to Jordan Road and Ferry Street Carpark	✓	✓	

Ref. No.	Landscape Resources (LRs)	WKCD	Underpass	Flyover
LR2.18	Roadside Trees at the junction of Kansu Street and Shanghai Street	✓		
LR2.19	Roadside Trees along Canton Road (near Yau Ma Tei Police Station)	✓		
LR2.20	Amenity Planting next to Yau Ma Tei Police Station	✓		
LR2.21	Roadside Trees along Ferry Street (near Yau Ma Tei Electric Substation)	✓		
LR2.22	Roadside Trees along Yan Cheung Road	✓		
LR2.23	Roadside Trees along Man Cheong Street	✓		
LR2.24	Trees within Construction Site and Vacant Land near Man Cheong Street	✓		
LR2.25	Amenity Planting at the Bus Terminal near Jordan Road	✓		
LR2.26	Tree along West Kowloon Highway	✓		✓
LR2.27	Amenity Planting within the Private Development at Kowloon Station	✓	✓	✓
LR2.28	Roadside Plantation along Western Harbour Crossing Bus Stop near Elements	✓	✓	✓
LR2.29	Roadside Plantation along Austin Road West	✓	✓	✓
LR2.30	Roadside Plantation next to Western Harbour Tunnel Administration Building	✓	✓	✓
LR2.31	Trees Buffering Western Harbour Tunnel Entrance	✓	✓	✓
LR2.32	Roadside Plantation along Western Harbour Crossing Bus Stop next to New Yau Ma Tei Typhoon Shelter	✓	✓	✓
LR2.33	Trees along New Yau Ma Tei Typhoon Shelter Pier	✓	✓	✓
LR2.34	Amenity Planting within Salt Water Pumping Station	✓	✓	✓
LR2.35	Tree Cluster in the Western Part within the Boundary Area	✓	✓	✓
LR2.36	Tree Cluster in the Eastern Part within the Boundary Area	✓	✓	✓
LR2.37	Amenity Planting at the end of Ashley Road	✓	✓	
LR2.38	Amenity Planting next to Hong Kong Observatory Building	✓		
LR3 – Waterbody				
LR3.1	Victoria Harbour	✓	✓	✓
LR4 – Cultural Heritage and Historical Features				
LR4.1	Kowloon Mosque and Islamic Centre	✓	✓	
LR4.2	St. Andrew's Church and Former Kowloon British School	✓	✓	
LR4.3	No. 190 Nathan Road	✓	✓	
LR4.4	Built Heritage within Kowloon Park	✓	✓	

Note:

* The landscape resource was included in the scope of the underpass in the EIA report, but excluded in the baseline survey. Please refer to **Section 5.3.1** for detailed explanation.

Table 5-2 List of Landscape Character Areas (LCAs)

Ref. No.	Landscape Character Areas (LCAs)	WKCD	Underpass	Flyover
LCA01	West Kowloon Cultural District Landscape Character Area	✓	✓	✓
LCA02	West Kowloon Cultural District Construction Area	✓	✓	✓
LCA03	West Kowloon Cultural District Temporary Waterfront Promenade	✓	✓	✓
LCA04	New Yau Ma Tei Typhoon Shelter Landscape	✓	✓	✓
LCA05	Victoria Harbour Inshore Water Landscape	✓	✓	✓
LCA06	Victoria Harbour Strait Landscape	✓	✓	✓

Ref. No.	Landscape Character Areas (LCAs)	WKCD	Underpass	Flyover
LCA07	New Yau Ma Tei Container Terminal Landscape	✓	✓	✓
LCA08	Western Harbour Crossing Toll Gate Landscape	✓	✓	✓
LCA09	Tsim Sha Tsui Late 20C / Early 21C Commercial / Residential Complex Landscape	✓	✓	✓
LCA10	Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) Terminus Construction Siteand Austin Station	✓	✓	✓
LCA11	Kowloon Park Urban Landscape	✓	✓	
LCA12	Jordan Mixed Urban Landscape	✓	✓	
LCA13	Tsim Sha Tsui Organic Mixed Urban Development Landscape	✓	✓	
LCA14	Tsim Sha Tsui Commercial / Retail Complex Landscape	✓	✓	

Table 5-3 List of Key Visually Sensitive Receivers (VSRs) – WKCD

Ref. No.	Visually Sensitive Receivers (VSRs)	Status
VSRs within the Visual Envelope (Outside the Primary Zone of Influence)		
VSR 1	Sun Yat Sen Memorial Park	Existing
VSR 2	Central Star Ferry Pier No.7	Existing
VSR 3	Hong Kong Convention and Exhibition Centre	Existing
VSR 4	The Peak	Existing
VSR 5	Hoi Fei Road Waterfront	Existing
VSR 6	One Silversea	Existing
VSR 7	Island Harbourview	Existing
VSRs within the Primary Zone of Influence		
VSR 8	International Commerce Centre	Existing
VSR 9	The Element	Existing
VSR 10	The Harbourside	Existing
VSR 11	The Arch	Existing
VSR 12	The Waterfront	Existing
VSR 13	Sorrento Towers	Existing
VSR 14	The Cullinan	Existing
VSR 15	West Kowloon Terminus	Committed
VSR 16	Planned CDA Development above West Kowloon Terminus	Committed
VSR 17	Austin Station	Existing
VSR 18	Planned Residential Development above Austin Station	Committed
VSR 19	Western Harbour Crossing Toll Plaza	Existing
VSR 20	Wai On Building and Wai Hang Building	Existing
VSR 21	The Victoria Tower	Existing
VSR 22	Man King Building and Man Wah Building	Existing
VSR 23	Lee Kiu Building and Wai Ching Court	Existing
VSR 24	China Hong Kong City	Existing
VSR 25	Hong Kong Hotel and Prince Hotel	Existing
VSR 26	Gateway Hong Kong	Existing
VSR 27	Harbour City and Ocean Centre	Existing
VSR 28	The Macro Polo Hong Kong Hotel	Existing
VSR 29	Hong Kong China Ferry Terminal	Existing
VSR 30	Pacific Club Kowloon	Existing
VSR 31	Ocean Terminal	Existing
VSR 32	Kwun Chung Municipal Services Building	Existing
VSR 33	Lai Chack Middle School	Existing
VSR 34	Canton Road Government Primary School	Existing

Ref. No.	Visually Sensitive Receivers (VSRs)	Status
VSR 35	Kowloon Park Entrance on Canton Road	Existing
VSR 36	King George V Memorial Park, Kowloon	Existing
VSR 37	Heritage Sites Consisting of the Declared Monuments of St. Andrew's Church, Antiques and Monuments Office and Hong Kong Observatory	Existing
VSR 38	Miramar Arcade/Tower/The Mira Hotel	Existing
VSR 39	The One	Existing
VSR 40	Travellers on Ferries to/from Central and Tsim Sha Tsui	Existing
VSR 41	Travellers along Austin Road West	Existing
VSR 42	Travellers along Canton Road	Existing
VSR 43	Tsim Sha Tsui Fire Station	Existing

Table 5-4 List of Key Visually Sensitive Receivers (VSRs) – Underpass

Ref. No.	Visually Sensitive Receivers (VSRs)	Status (Existing/Committed)
Commercial/ Residential/Transportation VSRs Located Immediately to the North of the WKCD Site		
VSR1	International Commerce Centre(ICC)	Existing
VSR 2	The Elements	Existing
VSR 3	The Harbourside	Existing
VSR 4	The Arch	Existing
VSR 5	West Kowloon Terminus	Committed
VSR 6	Planned CDA Development above West Kowloon Terminus	Committed
VSR 7	Austin Station	Existing
VSR 8	Planned Residential Development above Austin Station	Committed
VSR 9	Travelers Arriving Western Harbour Crossing Toll Plaza	Existing
VSR 10	Wai Hang Building	Existing
VSR 11	Victoria Tower	Existing
Commercial VSRs Located to the Southeast of the WKCD Site		
VSR 12	China Hong Kong City	Existing
VSR 13	Royal Pacific Hotel and Towers	Existing
VSR 14	The Gateway Towers	Existing
VSR 15	Hong Kong China Ferry Terminal	Existing
Institutional VSRs Located to the East of Canton Road		
VSR 16	Lai Chack Middle School	Existing
VSR 17	Canton Road Government Primary School	Existing
Open Space/Recreational VSR		
VSR 18	King George V Memorial Park, Kowloon	Existing
Transient VSRs		
VSR 19	Travelers along Austin Road West	Existing
VSR 20	Travelers along Canton Road (Will be relocated in Operation Phase)	Existing
VSR Located within the WKCD Site		
VSR 21	Tsim Sha Tsui Fire Station	Existing
VSR 22	Phase 1A of the Park	Committed
VSR 23	Phase 1 of Xiqu Centre	Committed

Table 5-5 List of Key Visual Sensitive Receivers (VSRs) – Flyover

Ref. No.	Landscape Character Areas (LCAs)	Status (Existing/Committed)
Residential/Commercial VSRs Located Immediately to the East and Northeast of the site		
VSR 1	International Commerce Centre (ICC)	Existing
VSR 2	The Elements	Existing
VSR 3	The Cullinun	Existing
Transport related VSRs located to the southeast of the Project Site		
VSR4	Administration Building at Western Harbour Crossing	Existing
Transient VSRs		
VSR 5	Travellers arriving Western Harbour Crossing (WHC) Toll Plaza	Existing
VSR 6	Travellers at the footbridge crossing the WHC Toll Plaza	Existing
VSR 7	Travellers at Yau MaTei Shelter	Existing
VSR 8	Travellers along Austin Road West	Existing
Planned VSR		
VSR9	M+ Museum (Phase 2)	Committed

5.2 Monitoring Procedure and Location

In accordance with the EM&A Manual, the baseline monitoring aims to establish a baseline that collects information on the current site characteristics prior to the development in order to make comparisons between different pre-development and post development; detect changes; and make comparisons against a standard. A one-off survey should be undertaken to update and record the baseline conditions with photographs prior to the commencement of construction works. The monitoring procedures and criteria as described in the EM&A Manual were adopted for the baseline monitoring of landscape and visual impact.

The present baseline condition of LRs, LCAs, and VSRs within the zone of visual influence, were checked against Section 10, 14 and 15 of the approved EIA Report of WKCD through on site verification.

5.3 Result and Finding

5.3.1 Landscape Resources (LRs)

Based on the findings during site visit and latest construction works site boundary, the number of trees at each LR is updated, particularly for LR2.9 and LR2.36 that existing tree will be affected by the proposed works. As trees are located in the government developing area, which includes streets and parks managed by government, the change in number of trees are related to recent new planting works or tree removal works determined by different government departments. The related departments include Leisure and Cultural Services Department, Highways Department and Lands Department. The decision of alternating tree numbers were internal information in government departments, which are not accessible by public. Besides, 3 nos. Old and Valuable Trees (LCSD/YTM/65, LCSD/YTM/72 and LCSD/YSM/96) within LR1.1 – Kowloon Park were removed recently and LR4.2 was closed due to recent construction works. LCSD/YTM/65 was a *Ficus microcarpa* of 15m height. It was confirmed to have been infected by Brown Root Rot (BRR) Disease in May 2013 and removed on 14 August 2014. LCSD/YTM/72 was an *Albizia lebbeck* of 19m height. It was removed to ensure public safety after it was found to have the risk of collapse due to damage by the typhoon on

29 July 2012. LCSD/YTM/96 was a *Ficus microcarpa* of 15m height. It was found collapsed on 23 July 2012 while typhoon signal no.3 was in force.

Some previous information in the approved EIA report was also updated, and the reasons are specified in **Table 5.8**. Additionally, LR1.3 is found to be located outside the site boundary of the underpass and hence excluded from the list of landscape resources of the underpass. Figure 1.1 shows the existing LRs locations and Figure 1.2 to 1.21 shows the typical LRs onsite.

No significant change in remaining landscape resources was found. The updated information is summarized in **Table 5.6**, the change status of the LR is presented in **Table 5.7** and correction of information of the LRs is summarized in **Table 5.8**. No additional LRs were identified during the site visit of baseline monitoring. Photos of LRs taken during baseline monitoring, each at approximately the same location and angle as the corresponding photo in the approved EIA, are included in Appendix E (Figures 1.2-1.21), as a standard for comparison during impact monitoring.

Table 5-6 Updated No. of Trees of LRs

Ref. No.	Landscape Resources	No. of Trees identified in EIA Report	No. of Trees estimated to be affected in the EIA Report	Updated no. of Trees identified during Baseline Monitoring	Updated no. of Trees estimated to be affected during Baseline Monitoring	Remarks
LR1.2	Plaza in front of Kowloon Mosque and Islamic Centre	4	Nil	2	Nil	Tree Removal Works*
LR1.4	Roof Top Garden on Hong Kong China Ferry Terminal	21	Nil	36	Nil	Tree Planting Works*
LR1.5	Kowloon Park Drive Playground	60	Nil	72 (30 nos. located within planter and 42 nos. located at adjacent slope)	Nil	Tree Planting Works*
LR1.10	Battery Street Sitting Out Area	13	Nil	9	Nil	Tree Removal Works*
LR2.3	Amenity Plantation around Tsim Sha Tsui Police Station	38	Nil	46	Nil	Tree Planting Works*
LR2.5	Roadside Trees along Canton Road in front of Lippo Sun Plaza	6	Nil	9	Nil	Tree Planting Works*
LR2.9	Roadside Plantation in front of Tsim Sha Tsui Fire Station	15	15	13	13	Tree Removal Works*
LR2.11	Roadside Plantation along Austin Road	46	Nil	31	Nil	Tree Removal Works*

Ref. No.	Landscape Resources	No. of Trees identified in EIA Report	No. of Trees estimated to be affected in the EIA Report	Updated no. of Trees identified during Baseline Monitoring	Updated no. of Trees estimated to be affected during Baseline Monitoring	Remarks
LR2.14	Roadside Plantation along Canton Road	38	Nil	53	Nil	Tree Planting Works*
LR2.16	Roadside Plantation along Jordan Road	20	Nil	30	Nil	Tree Planting Works*
LR2.17	Roadside Plantation Close to Jordan Road and Ferry Street Carpark	58	Nil	63	Nil	Tree Planting Works*
LR2.20	Amenity Planting next to Yau Ma Tei Police Station	7	Nil	11	Nil	Tree Planting Works*
LR2.28	Roadside Plantation along Western Harbour Crossing Bus Stop near Elements	54	Nil	46	Nil	Tree Removal Works*
LR2.34	Amenity Planting within Salt Water Pumping Station	65	Nil	58	Nil	Tree Removal Works*
LR2.36	Tree Cluster in the Eastern Part within the Boundary Area	372	30	328	30	Tree Removal Works*

Note:
* Tree planting / removal works were determined by the respective government department internally.

Table 5-7 LRs with Changed Status

Ref. No.	Landscape Resources	Description	Condition in EIA Report	Current Status in Baseline Monitoring
LR1.1	Kowloon Park	OVT – LCSD/YTM/65	Existing	Removed
		OVT – LCSD/YTM/72	Existing	Removed
		OVT – LCSD/YTM/96	Existing	Removed
LR4.2	St. Andrew's Church and Former Kowloon British School	-	Opening	Closed and Construction Works in Progress

Table 5-8 Correction of Information on LRs

Ref. No.	Landscape Resources	Description in EIA Report	Correct Description according to Baseline Monitoring
LR1.1	Kowloon Park	Table 14.10.4 "There are approximately 1,500 trees with more than 90 species. There are a total of 51 Old and Valuable Trees (OVTs)…."	The correct number of OVTs within Kowloon Park is 36 nos. only, despite 3 nos. (LCSD/YTM/65, 72 and 96) have been removed.
LR1.3	Kowloon Park Drive Rest Garden	-	The LR is located outside the site boundary and hence excluded from the list of LRs of the underpass.

5.3.2 Landscape Character Areas (LCAs)

Based on the findings during site visit, no substantial change in the baseline condition of LCA was found. Figure 1.22 shows the existing LCAs locations and Figures 1.23 to 1.30 show the typical LCAs onsite. A summary of the baseline condition of LCAs recorded in the recent review and EIA is given in **Table 5.9**. No amendment to the description or additional LCAs was identified during the site visit of baseline monitoring. Photos of LCAs taken during baseline monitoring, each at approximately the same location and angle as the corresponding photo in the approved EIA, are included in Appendix E (Figures 1.23-1.30), as a standard for comparison during impact monitoring.

Table 5-9 Baseline Condition of LCAs

Ref. No.	Landscape Character Areas (LCAs)	Recent Review during Baseline Monitoring
LCA01	West Kowloon Cultural District Landscape Character Area	Same as the EIA report
LCA02	West Kowloon Cultural District Construction Area	Same as the EIA report
LCA03	West Kowloon Cultural District Temporary Waterfront Promenade	Same as the EIA report
LCA04	New Yau Ma Tei Typhoon Shelter Landscape	Same as the EIA report
LCA05	Victoria Harbour Inshore Water Landscape	Same as the EIA report
LCA06	Victoria Harbour Strait Landscape	Same as the EIA report
LCA07	New Yau Ma Tei Container Terminal Landscape	Same as the EIA report
LCA08	Western Harbour Crossing Toll Gate Landscape	Same as the EIA report
LCA09	Tsim Sha Tsui Late 20C / Early 21C Commercial / Residential Complex Landscape	Same as the EIA report
LCA10	Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) Terminus Construction Site and Austin Station	Same as the EIA report
LCA11	Kowloon Park Urban Landscape	Same as the EIA report
LCA12	Jordan Mixed Urban Landscape	Same as the EIA report
LCA13	Tsim Sha Tsui Organic Mixed Urban Development Landscape	Same as the EIA report
LCA14	Tsim Sha Tsui Commercial / Retail Complex Landscape	Same as the EIA report

5.3.3 Visually Sensitive Receivers (VSRs)

Based on the site visit findings, no substantial change was observed. All the committed VSRs recorded in the approved EIA report are still under construction or planning and no new VSRs are identified. A list of the baseline condition of VSRs recorded in the recent review and EIA is given in **Table 5.10**, **5.11** and **5.12**. As no significant changes are expected or found in the baseline survey, plans showing locations of VSRs as included in the approved EIA report are attached in Appendix E.

Table 5-10 Baseline Condition of VSRs – WKCD

Ref. No.	Visually Sensitive Receivers (VSRs)	Recent Review during Baseline Monitoring
VSRs within the Visual Envelope (Outside the Primary Zone of Influence)		
VSR 1	Sun Yat Sen Memorial Park	Same as the EIA report
VSR 2	Central Star Ferry Pier No.7	Same as the EIA report
VSR 3	Hong Kong Convention and Exhibition Centre	Same as the EIA report
VSR 4	The Peak	Same as the EIA report
VSR 5	Hoi Fei Road Waterfront	Same as the EIA report

Ref. No.	Visually Sensitive Receivers (VSRs)	Recent Review during Baseline Monitoring
VSR 6	One Silversea	Same as the EIA report
VSR 7	Island Harbourview	Same as the EIA report
VSRs within the Primary Zone of Influence		
VSR 8	International Commerce Centre	Same as the EIA report
VSR 9	The Element	Same as the EIA report
VSR 10	The Harbourside	Same as the EIA report
VSR 11	The Arch	Same as the EIA report
VSR 12	The Waterfront	Same as the EIA report
VSR 13	Sorrento Towers	Same as the EIA report
VSR 14	The Cullinan	Same as the EIA report
VSR 15	West Kowloon Terminus	Same as the EIA report
VSR 16	Planned CDA Development above West Kowloon Terminus	Same as the EIA report
VSR 17	Austin Station	Same as the EIA report
VSR 18	Planned Residential Development above Austin Station	Same as the EIA report
VSR 19	Western Harbour Crossing Toll Plaza	Same as the EIA report
VSR 20	Wai On Building and Wai Hang Building	Same as the EIA report
VSR 21	The Victoria Tower	Same as the EIA report
VSR 22	Man King Building and Man Wah Building	Same as the EIA report
VSR 23	Lee Kiu Building and Wai Ching Court	Same as the EIA report
VSR 24	China Hong Kong City	Same as the EIA report
VSR 25	Hong Kong Hotel and Prince Hotel	Same as the EIA report
VSR 26	Gateway Hong Kong	Same as the EIA report
VSR 27	Harbour City and Ocean Centre	Same as the EIA report
VSR 28	The Macro Polo Hong Kong Hotel	Same as the EIA report
VSR 29	Hong Kong China Ferry Terminal	Same as the EIA report
VSR 30	Pacific Club Kowloon	Same as the EIA report
VSR 31	Ocean Terminal	Same as the EIA report
VSR 32	Kwun Chung Municipal Services Building	Same as the EIA report
VSR 33	Lai Chack Middle School	Same as the EIA report
VSR 34	Canton Road Government Primary School	Same as the EIA report
VSR 35	Kowloon Park Entrance on Canton Road	Same as the EIA report
VSR 36	King George V Memorial Park, Kowloon	Same as the EIA report
VSR 37	Heritage Sites Consisting of the Declared Monuments of St. Andrew's Church, Antiques and Monuments Office and Hong Kong Observatory	Same as the EIA report
VSR 38	Miramar Arcade/Tower/The Mira Hotel	Same as the EIA report
VSR 39	The One	Same as the EIA report
VSR 40	Travellers on Ferries to/from Central and Tsim Sha Tsui	Same as the EIA report
VSR 41	Travellers along Austin Road West	Same as the EIA report
VSR 42	Travellers along Canton Road	Same as the EIA report
VSR 43	Tsim Sha Tsui Fire Station	Same as the EIA report

Table 5-11 Baseline Condition of VSRs (Underpass)

Ref. No.	Visually Sensitive Receivers (VSRs)	Recent Review during Baseline Monitoring
Commercial/ Residential/ Transportation VSRs Located Immediately to the North of the WKCD Site		
VSR 1	International Commerce Centre(ICC)	Same as the EIA report
VSR 2	The Elements	Same as the EIA report
VSR 3	The Harbourside	Same as the EIA report

Ref. No.	Visually Sensitive Receivers (VSRs)	Recent Review during Baseline Monitoring
VSR 4	The Arch	Same as the EIA report
VSR 5	West Kowloon Terminus	Same as the EIA report
VSR 6	Planned CDA Development above West Kowloon Terminus	Same as the EIA report
VSR 7	Austin Station	Same as the EIA report
VSR 8	Planned Residential Development above Austin Station	Same as the EIA report
VSR 9	Travelers Arriving Western Harbour Crossing Toll Plaza	Same as the EIA report
VSR 10	Wai Hang Building	Same as the EIA report
VSR 11	Victoria Tower	Same as the EIA report
Commercial VSRs Located to the Southeast of the WKCD Site		
VSR 12	China Hong Kong City	Same as the EIA report
VSR 13	Royal Pacific Hotel and Towers	Same as the EIA report
VSR 14	The Gateway Towers	Same as the EIA report
VSR 15	Hong Kong China Ferry Terminal	Same as the EIA report
Institutional VSRs Located to the East of Canton Road		
VSR 16	Lai Chack Middle School	Same as the EIA report
VSR 17	Canton Road Government Primary School	Same as the EIA report
Open Space/ Recreational VSR		
VSR18	King George V Memorial Park, Kowloon	Same as the EIA report
Transient VSRs		
VSR 19	Travelers along Austin Road West	Same as the EIA report
VSR 20	Travelers along Canton Road *Will be relocated in Operation Phase)	Same as the EIA report
VSR Located within the WKCD Site		
VSR 21	Tsim Sha Tsui Fire Station	Same as the EIA report
VSR 22	Phase 1A of the Park	Same as the EIA report
VSR 23	Phase 1 of Xiqu Centre	Same as the EIA report

Table 5-12 Baseline Condition of VSRs (Flyover)

Ref. No.	Landscape Character Areas (LCAs)	Recent Review during Baseline Monitoring
Residential/ Commercial VSRs Located Immediately to the East and Northeast of the site		
VSR 1	International Commerce Centre(ICC)	Same as the EIA report
VSR 2	The Elements	Same as the EIA report
VSR 3	The Cullinun	Same as the EIA report
Transient related VSRs located to the southeast of the Project Site		
VSR 4	Administration Building at Western Harbour Crossing	Same as the EIA report
Transient VSR		
VSR 5	Travellers arriving Western Harbour Crossing (WHC) Toll Plaza	Same as the EIA report
VSR 6	Travellers at the footbridge crossing the WHC Toll Plaza	Same as the EIA report
VSR 7	Travellers at Yau Ma Tei Shelter	Same as the EIA report
VSR 8	Travellers along Austin Road West	Same as the EIA report
Planned VSR		
VSR 9	M+ Museum (Phase 2)	Same as the EIA report

5.3.4 Event and Action Plan

No significant change in baseline condition from the approved EIA Report was recorded for LRs, LCAs and views from VSRs. Hence, no revision of landscape and visual mitigation

measures is required for construction phase proposed in Section 10.7, 14.10.6 and 15.10.6, and Implementation Schedule proposed in Section 13, 14.13 and 15.13 of the approved EIA Report. Nevertheless, landscape and visual monitoring audit will be conducted during the construction of the Project to ensure that the implementation and maintenance of landscape and visual mitigation measures. Site inspections will be undertaken at least once every month throughout the construction period. Should non-compliance of the landscape and visual impacts occur, actions in accordance with the action plan stated in **Table 5.13** shall be carried out.

Table 5-13 Event and Action Plan for Landscape and Visual Impact - Construction Phase

Action Level	Environmental Team Leader (ETL)	Independent Environmental Checker (IEC)	WKCDA	Contractor
Non-conformity on one occasion	- Identify source - Inform the IEC and theER - Discuss remedial actions with the IEC, the ER and the Contractor - Monitor remedial action until rectification has been completed	- Check report - Check the Contractor's working method - Discuss with the ER and the Contractor on possible remedial measures - Advise the ER on effectiveness of proposed remedial measures	- Notify the Contractor - Ensure remedial measures are properly implemented	- Amend working methods - Rectify damage and undertake remedial measures or any necessary replacement
Repeated Non-conformity	- Identify source - Inform the IEC and the ER - Increase monitoring(site audit)frequency - Discuss remedial actions with the IEC, the ER and the Contractor - Monitor remedial actions until rectification has been completed - If exceedance stops, cease additional monitoring (site audit)	- Check report - Check the Contractor's working method - Discuss with the ER and the Contractor on possible remedial measures - Advise the ER on effectiveness of proposed remedial measures - Supervise implementation of remedial measures	- Notify the Contractor - Ensure remedial measures are properly implemented	- Amend working methods - Rectify damage and undertake remedial measures or any necessary replacement

6. REVISIONS FOR INCLUSION IN THE EM&A MANUAL

The baseline environmental monitoring was conducted according to the EM&A Manual for air quality and noise.

According to EM&A Manual Section 2.1.5 and Section 3.1.3, the monitoring locations of air quality monitoring and noise monitoring are defined. However, due to site constrains, AM2 is relocated to alternative locations as shown in **Table 3.3.** Also, monitoring at NM1 and NM2 could not be conducted due to objections from the property owners.

The monitoring methodology and parameters monitored are all in line with the EM&A Manual.

7. COMMENTS AND CONCLUSIONS

The baseline environmental monitoring was conducted between 22 July 2014 and 15 August 2014. The baseline monitoring results were used to determine the appropriate Action and Limit Levels with the Limit Levels set against statutory or otherwise agreed limit.

Supplementary baseline noise monitoring was conducted at The Victoria Towers – Tower 1 during 22 January 2015 and 25 January 2015 to eliminate interference from outlier data recorded between 22 July 2014 and 15 August 2014.

The baseline air quality and noise monitoring were carried out in accordance with the EM&A Manual, in respect of the methodology, equipment, location and monitoring parameters.

The baseline air quality (1-hour TSP and 24-hour TSP levels) monitoring was conducted at four monitoring locations (AM1, AM2, AM3 and AM4).

The baseline air quality monitoring results for AM1, AM2, AM3 and AM4 are considered representative to the ambient air quality conditions of the respective sensitive receivers. The Action and Limit Levels for the air quality were established based on the baseline monitoring results.

Baseline noise monitoring was conducted at monitoring stations NM3 and NM4. The baseline noise monitoring results for NM3 and NM4 are considered representative to the ambient conditions of the respective sensitive receivers.

Baseline noise monitoring station NM1 and NM2 could not be carried out due to rejections from both property management offices of The Harbourside and The Arch. After all the alternative approaches had been explored and exhausted due to site constraints or rejections, it is therefore decided to make reference to the measured noise level from baseline monitoring of the Hong Kong Section of Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) project with MTR's consent.

Baseline landscape and visual monitoring was conducted for the WKCD site, the underpass, and the flyover. The baseline conditions of landscape resources, landscape character areas and visually sensitive receivers are generally consistent with those in the EIA report, while changes have been documented and incorrect information has been amended.

Baseline water quality monitoring has not been carried out because there is no marine construction works to be carried out in WKCD. If any marine construction works including modification of seawall and construction of landing steps and possible piers are to be carried out in the future, baseline water quality monitoring shall be conducted according to the methodologies set out in the EM&A manual.

In conclusion, the Contractor is advised to be aware of any site practice that may give rise to significant pollution to the existing environment. Implementation of necessary remedial measures should be instigated to rectify the potential impact on sensitive receivers located in the vicinity of the construction area.

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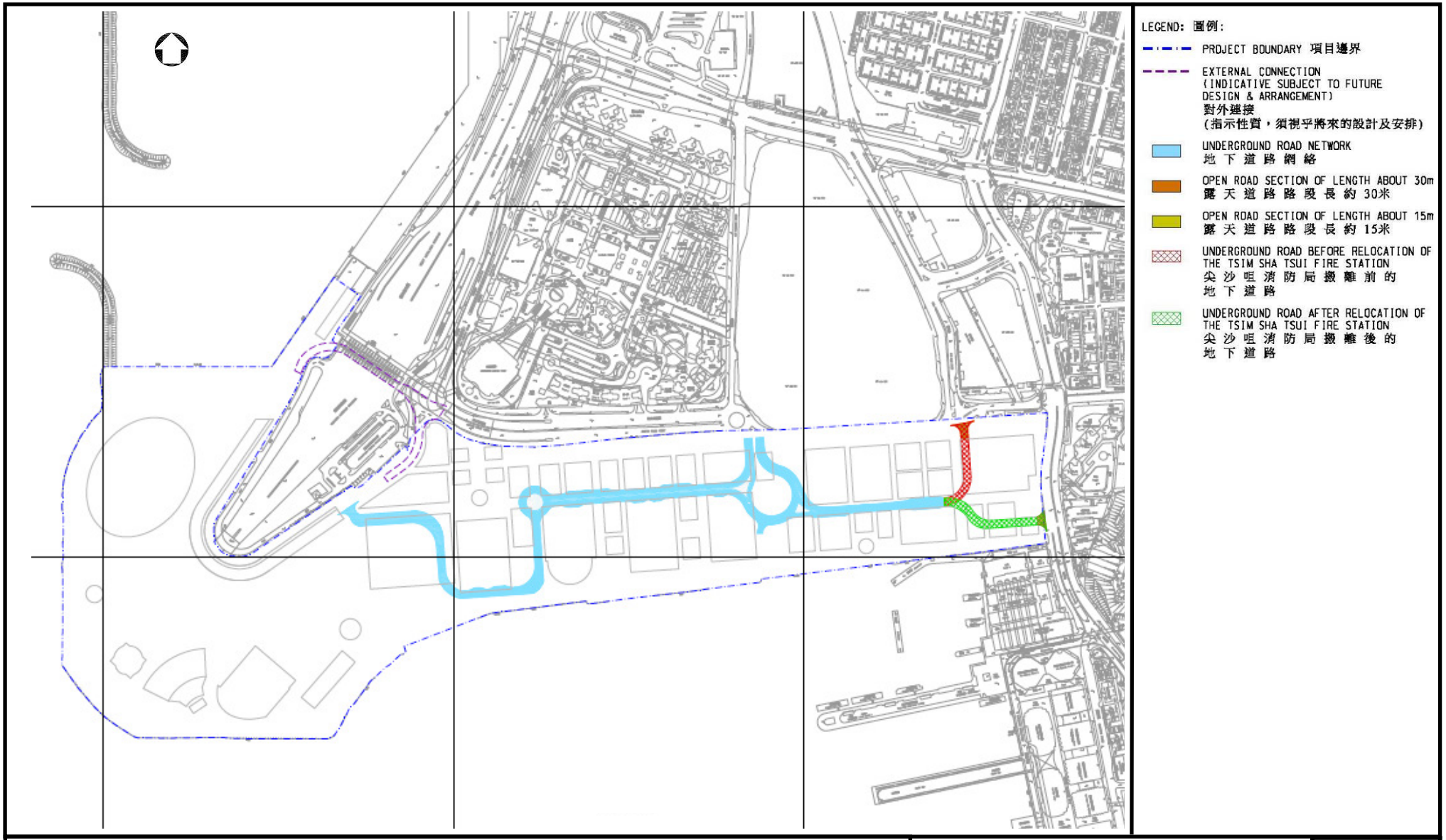
Figure 1

Project Layout



Project Title – Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District
工程名稱 – 西九文化區地下道路及柯士甸道行車天橋

Environmental Permit No.: EP-453/2013/A
環境許可證編號：EP-453/2013/A

Figure 1 – Location Plan of the Underpass Road Serving the West Kowloon Cultural District
圖一 – 西九文化區地下道路的位置圖

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Appendix A

Calibration Certificates for Baseline Environmental Monitoring Equipments

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C136321
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-2604)

Description / 儀器名稱 : Sound Level Meter
Manufacturer / 製造商 : Brüel & Kjær
Model No. / 型號 : 2250
Serial No. / 編號 : 2704792
Supplied By / 委託者 : EDMS Consulting Ltd.
Unit 1C, 24/F., World Wide House, 19 Des Voeux Road Central,
Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C
Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 7 October 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested By 測試 : K C Lee

Certified By 核證 : K M Wu

Date of Issue 簽發日期 : 8 October 2013

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C136321
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using laboratory acoustic calibrator was performed before the test 6.1.1.2 to 6.3.2.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C130019
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

UUT Setting		Applied Value		UUT Reading (dB)
Range (dB)	Main	Level (dB)	Freq. (kHz)	
20 - 140	LAF (SPL)	94.00	1	94.9

6.1.1.2 After Self-calibration

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq. (kHz)		
20 - 140	LAF (SPL)	94.00	1	94.0	± 1.1

6.1.2 Linearity

UUT Setting		Applied Value		UUT Reading (dB)
Range (dB)	Main	Level (dB)	Freq. (kHz)	
20 - 140	LAF (SPL)	94.00	1	94.0 (Ref.)
		104.00		104.0
		114.00		114.0

IEC 61672 Class 1 Spec. : ± 0.6 dB per 10 dB step and ± 1.1 dB for overall different.

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6.2 Time Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq. (kHz)		
20 - 140	LAF (SPL)	94.00	1	94.0	Ref.
	LAS (SPL)			94.0	± 0.3

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq.		
20 - 140	LAF (SPL)	94.00	63 Hz	67.8	-26.2 ± 1.5
			125 Hz	77.8	-16.1 ± 1.5
			250 Hz	85.3	-8.6 ± 1.4
			500 Hz	90.7	-3.2 ± 1.4
			1 kHz	94.0	Ref.
			2 kHz	95.2	+1.2 ± 1.6
			4 kHz	94.9	+1.0 ± 1.6
			8 kHz	92.8	-1.1(+2.1 ; -3.1)
			12.5 kHz	89.3	-4.3(+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq.		
20 - 140	LCF (SPL)	94.00	63 Hz	93.2	-0.8 ± 1.5
			125 Hz	93.8	-0.2 ± 1.5
			250 Hz	93.9	0.0 ± 1.4
			500 Hz	94.0	0.0 ± 1.4
			1 kHz	94.0	Ref.
			2 kHz	93.8	-0.2 ± 1.6
			4 kHz	93.2	-0.8 ± 1.6
			8 kHz	90.9	-3.0 (+2.1 ; -3.1)
			12.5 kHz	87.3	-6.2 (+3.0 ; -6.0)

Certificate of Calibration
校正證書

Certificate No. : C136321
證書編號

Remarks : - UUT Microphone Model No. : 4189 & S/N : 2161042

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value : 94 dB : 63 Hz - 125 Hz : ± 0.35 dB
  250 Hz - 500 Hz : ± 0.30 dB
  1 kHz : ± 0.20 dB
  2 kHz - 4 kHz : ± 0.35 dB
  8 kHz : ± 0.45 dB
  12.5 kHz : ± 0.70 dB
  104 dB : 1 kHz : ± 0.10 dB (Ref. 94 dB)
  114 dB : 1 kHz : ± 0.10 dB (Ref. 94 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

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

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

CASELLA

Certificate of Conformity and Calibration

Instrument Model:-	**CEL-633C**		
Serial Number	4637966		
Firmware revision	V129-08		
Microphone Type:-	**CEL-251**	**Preamplifier Type:-**	**CEL-495**
Serial Number	327	**Serial Number**	**002163**
Instrument Class/Type:-	**1**		

Applicable standards:-

IEC 61672: 2002 / EN 60651 (Electroacoustics - Sound Level Meters)
IEC 60651 1979 (Sound Level Meters), ANSI S1.4: 1983 (Specifications For Sound Level Meters)

Note:- The test sequences performed in this report are in accordance with the current Sound level meter *Standard - IEC61672. The combination of tests performed are considered to confirm the products electro-acoustic performance to all applicable standards including superceeded Sound Level Meter Standards - IEC60651 and IEC60804.*

Test Conditions:-	24 °C	**Test Engineer:-**	Millie Duncan
	30 %RH	**Date of Issue:-**	March 7, 2014
	1024 mBar		

Declaration of conformity:-

This test certificate confirms that the instrument specified above has been successfully tested to comply with the manufacturer's published specifications. Tests are performed using equipment traceable to national standards in accordance with Casella's ISO 9001:2008 quality procedures. This product is certified as being compliant to the requirements of the CE Directive.

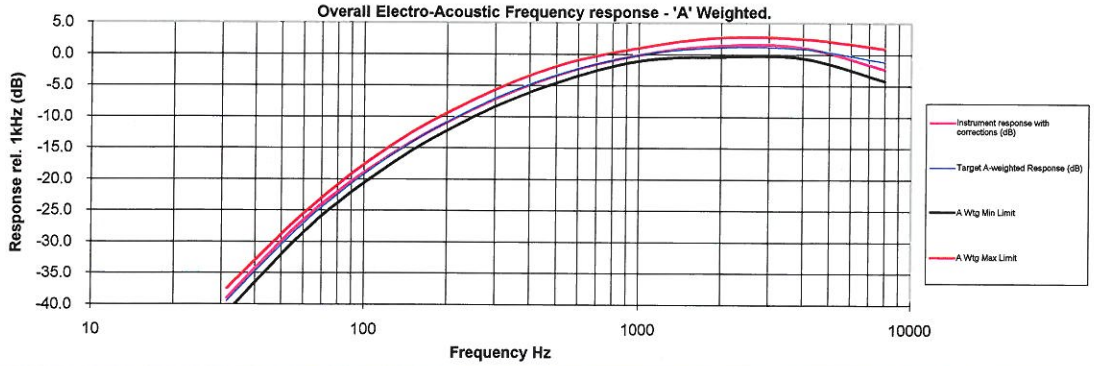
Test Summary:-

Self Generated Noise Test	**All Tests Pass**
Electrical Signal Test Of Frequency Weightings	**All Tests Pass**
Frequency & Time Weightings At 1 kHz	**All Tests Pass**
Level Linearity On The Reference Level Range	**All Tests Pass**
Toneburst Response Test	**All Tests Pass**
C-peak Sound Levels	**All Tests Pass**
Overload Indication	**All Tests Pass**
Acoustic Tests	**All Tests Pass**

Combined Electro-Acoustic Frequency Response - A Weighted

Combined Electro-Acoustic Frequency Response - A Weighted (IEC 61672-3:2006)

The following A-Weighted frequency response graph shows this instruments overall frequency response based upon the application of multi-frequency pressure field calibrations. The microphones Pressure to Free field correction coefficients are applied to pressure response. Reference level taken at 1kHz.



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Buffalo. NY 14221

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E-mail: info@casellausa.com
Web: www.casellausa.com

Tested to CEL-63X test sheet TP444 revision 00-13

CASELLA

Certificate of Conformity and Calibration

Instrument Model:-	**CEL-633A**		
Serial Number	4637931		
Firmware revision	V129-08		
Microphone Type:-	**CEL-251**	**Preamplifier Type:-**	**CEL-495**
Serial Number	297	**Serial Number**	**002110**
Instrument Class/Type:-	**1**		

Applicable standards:-

IEC 61672: 2002 / EN 60651 (Electroacoustics - Sound Level Meters)
IEC 60651 1979 (Sound Level Meters), ANSI S1.4: 1983 (Specifications For Sound Level Meters)

Note:- The test sequences performed in this report are in accordance with the current Sound level meter *Standard - IEC61672. The combination of tests performed are considered to confirm the products electro-acoustic performance to all applicable standards including superceeded Sound Level Meter Standards - IEC60651 and IEC60804.*

Test Conditions:-	24 °C	**Test Engineer:-**	Millie Duncan
	30 %RH	**Date of Issue:-**	March 7, 2014
	1024 mBar		

Declaration of conformity:-

This test certificate confirms that the instrument specified above has been successfully tested to comply with the manufacturer's published specifications. Tests are performed using equipment traceable to national standards in accordance with Casella's ISO 9001:2008 quality procedures. This product is certified as being compliant to the requirements of the CE Directive.

Test Summary:-

Self Generated Noise Test	**All Tests Pass**
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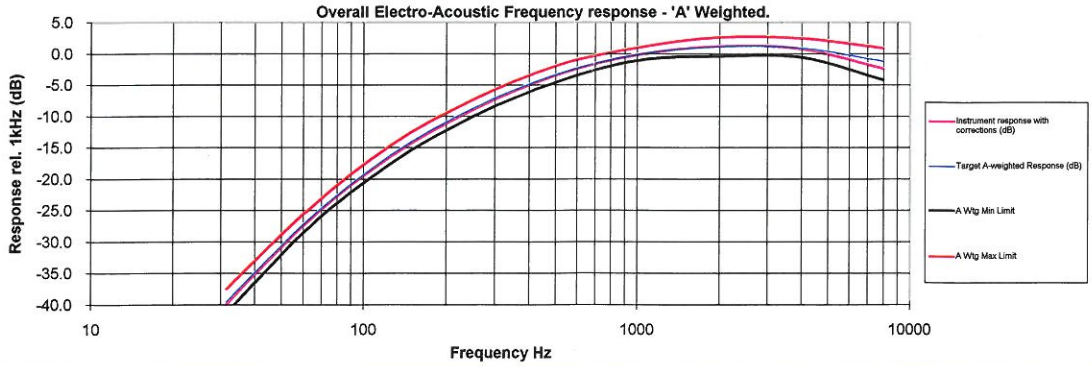
C-peak Sound Levels	**All Tests Pass**
Overload Indication	**All Tests Pass**
Acoustic Tests	**All Tests Pass**

Combined Electro-Acoustic Frequency Response - A Weighted

Combined Electro-Acoustic Frequency Response - A Weighted (IEC 61672-3:2006)

The following A-Weighted frequency response graph shows this instruments overall frequency response based upon the application of multi-frequency pressure field calibrations. The microphones Pressure to Free field correction coefficients are applied to pressure response. Reference level taken at 1kHz.



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輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C135285
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC13-2139)

Description / 儀器名稱	:	Sound Level Meter
Manufacturer / 製造商	:	Brüel & Kjær
Model No. / 型號	:	2250
Serial No. / 編號	:	3000103
Supplied By / 委託者	:	EDMS Consulting Ltd. Unit 1C, 24/F., World Wide House, 19 Des Voeux Road Central, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C
Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 21 August 2013

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
All results are within manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested By 測試 : K C Lee

Certified By 核證 : K M Wu

Date of Issue 簽發日期 : 23 August 2013

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣換樓四樓
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Certificate of Calibration
校正證書

Certificate No. : C135285
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using laboratory acoustic calibrator was performed before the test 6.1.1.2 to 6.3.2.

3. The results presented are the mean of 3 measurements at each calibration point.

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C130019
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-calibration

UUT Setting		Applied Value		UUT Reading
Range (dB)	Main	Level (dB)	Freq. (kHz)	(dB)
20 - 140	LAF (SPL)	94.00	1	94.4

6.1.1.2 After Self-calibration

UUT Setting		Applied Value		UUT Reading	IEC 61672 Class 1
Range (dB)	Main	Level (dB)	Freq. (kHz)	(dB)	Spec. (dB)
20 - 140	LAF (SPL)	94.00	1	94.0	± 1.1

6.1.2 Linearity

UUT Setting		Applied Value		UUT Reading
Range (dB)	Main	Level (dB)	Freq. (kHz)	(dB)
20 - 140	LAF (SPL)	94.00	1	94.0 (Ref.)
		104.00		104.0
		114.00		114.0

IEC 61672 Class 1 Spec. : ± 0.6 dB per 10 dB step and ± 1.1 dB for overall different.

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Certificate of Calibration
校正證書

Certificate No. : C135285
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6.2 Time Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq. (kHz)		
20 - 140	LAF (SPL)	94.00	1	94.0	Ref.
	LAS (SPL)			94.0	± 0.3

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq.		
20 - 140	LAF (SPL)	94.00	63 Hz	67.8	-26.2 ± 1.5
			125 Hz	77.8	-16.1 ± 1.5
			250 Hz	85.3	-8.6 ± 1.4
			500 Hz	90.7	-3.2 ± 1.4
			1 kHz	94.0	Ref.
			2 kHz	95.2	+1.2 ± 1.6
			4 kHz	95.0	+1.0 ± 1.6
			8 kHz	92.8	-1.1(+2.1 ; -3.1)
			12.5 kHz	89.3	-4.3(+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Main	Level (dB)	Freq.		
20 - 140	LCF (SPL)	94.00	63 Hz	93.2	-0.8 ± 1.5
			125 Hz	93.8	-0.2 ± 1.5
			250 Hz	94.0	0.0 ± 1.4
			500 Hz	94.0	0.0 ± 1.4
			1 kHz	94.0	Ref.
			2 kHz	93.8	-0.2 ± 1.6
			4 kHz	93.2	-0.8 ± 1.6
			8 kHz	90.9	-3.0 (+2.1 ; -3.1)
			12.5 kHz	87.4	-6.2 (+3.0 ; -6.0)

輝創工程有限公司
Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C135285
證書編號

Remarks : - UUT Microphone Model No. : 4189 & S/N : 2772045

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value : 94 dB : 63 Hz - 125 Hz : ± 0.35 dB
  250 Hz - 500 Hz : ± 0.30 dB
  1 kHz : ± 0.20 dB
  2 kHz - 4 kHz : ± 0.35 dB
  8 kHz : ± 0.45 dB
  12.5 kHz : ± 0.70 dB
  104 dB : 1 kHz : ± 0.10 dB (Ref. 94 dB)
  114 dB : 1 kHz : ± 0.10 dB (Ref. 94 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

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

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Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

CASELLA CEL

Certificate of Conformance and Calibration for

CEL-120 Acoustic Calibrator

Applicable Standards :-IEC 60942: 2003 & ANSI S1.40: 2006

CEL-120/1 Class 1 ☑

CEL-120/2 Class 2 ☐

Serial No: 5230742

Firmware: 03

Temperature: 23 °C Pressure: 1010 mb %RH 47

Frequency = 1.00kHz ± 2Hz T.H.D. = < 1%	Calibration Level
SPL @ 114.0dB Setting	114.01 dB
SPL @ 94.0dB Setting (CEL-120/1 only)	93.99 dB/N.A

Engineer :- [signature] Date :07 MAR 2014

Company test equipment and acoustic working standards, used for conformance testing, are subject to periodic calibration, traceable to UK national standards, in accordance with the company's ISO9001 Quality System.

DECLARATION OF CONFORMITY

This certificate confirms that the instrument specified above has been produced and tested to comply with the manufacturer's published specifications and the relevant European Community CE directives.

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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Apr 22, 2014 Rootsmeter S/N 0438320 Ta (K) - 296
Operator Tisch Orifice I.D. - 2456 Pa (mm) - 746.76

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4450	3.2	2.00
2	NA	NA	1.00	1.0180	6.4	4.00
3	NA	NA	1.00	0.9110	7.9	5.00
4	NA	NA	1.00	0.8670	8.8	5.50
5	NA	NA	1.00	0.7170	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
0.9850	0.6816	1.4066		0.9957	0.6890	0.8904
0.9808	0.9634	1.9892		0.9914	0.9739	1.2592
0.9787	1.0743	2.2240		0.9893	1.0860	1.4078
0.9775	1.1275	2.3325		0.9882	1.1398	1.4765
0.9722	1.3560	2.8131		0.9828	1.3708	1.7807
Qstd slope (m) =		2.08575		Qa slope (m) =		1.30606
intercept (b) =		-0.01737		intercept (b) =		-0.01099
coefficient (r) =		0.99998		coefficient (r) =		0.99998
y axis = SQRT[H2O(Pa/760)(298/Ta)]				y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta)
Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa]
Qa = Va/Time

For subsequent flow rate calculations:

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

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM1 (International Commerce Centre)
Make: Thermo
Model: G310-1 S/N: 2086

Date of Calibration: 24-Jul-14
Next Calibration Date: 23-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	5.50	-5.70	11.200	1.585	54.00	53.06	Slope =	31.1061
13	4.10	-4.80	8.900	1.414	49.00	48.15	Intercept =	3.0177
10	3.10	-3.70	6.800	1.237	40.00	39.30	Corr. coeff.:	0.9867
7	2.10	-2.50	4.600	1.019	34.00	33.41		
5	1.00	-1.60	2.600	0.768	29.00	28.50		

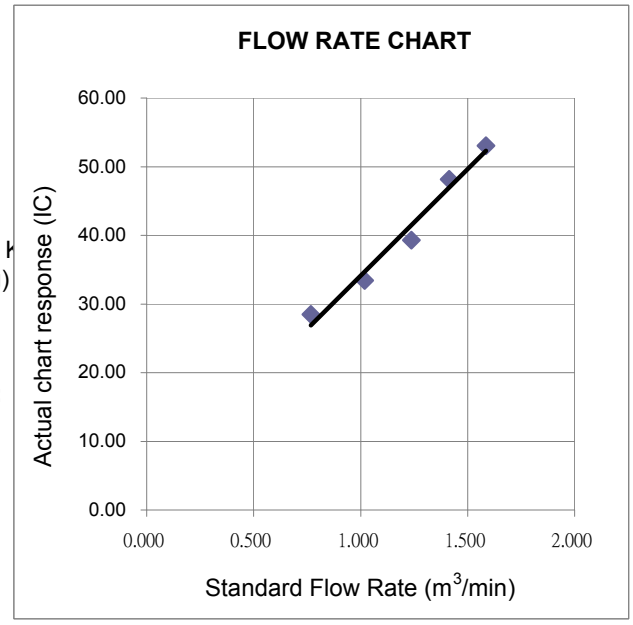
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM1 (International Commerce Centre)
Make: Thermo
Model: G310-1 S/N: 2091

Date of Calibration: 21-Jul-14
Next Calibration Date: 20-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	-0.60	-12.50	11.900	1.633	55.00	54.04	Slope =	33.6737
13	-2.20	-11.00	8.800	1.406	49.00	48.15	Intercept =	-1.1739
10	-3.20	-10.50	7.300	1.281	40.00	39.30	Corr. coeff.=	0.9853
7	-4.60	-9.70	5.100	1.072	35.00	34.39		
5	-5.20	-8.40	3.200	0.851	29.00	28.50		

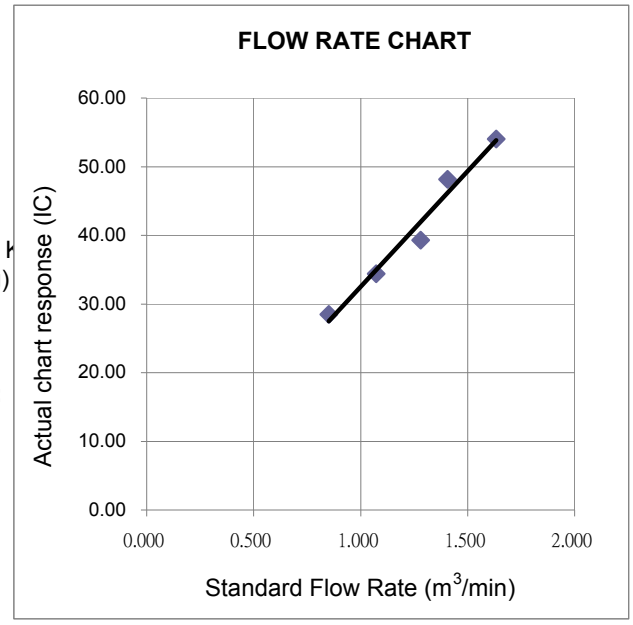
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM2 (The Harbourside Tower 1 (Ground L
Make: Tisch
Model: TE-5005X S/N: 3834

Date of Calibration: 29-Jul-14
Next Calibration Date: 28-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	34	Temperature (K):	307

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	6.10	-6.40	12.500	1.668	56.00	54.85	Slope =	29.7583
13	4.80	-5.20	10.000	1.493	50.00	48.97	Intercept =	4.3639
10	3.50	-3.60	7.100	1.260	41.00	40.15	Corr. coeff.=	0.9945
7	2.40	-2.50	4.900	1.048	36.00	35.26		
5	1.40	-1.50	2.900	0.808	30.00	29.38		

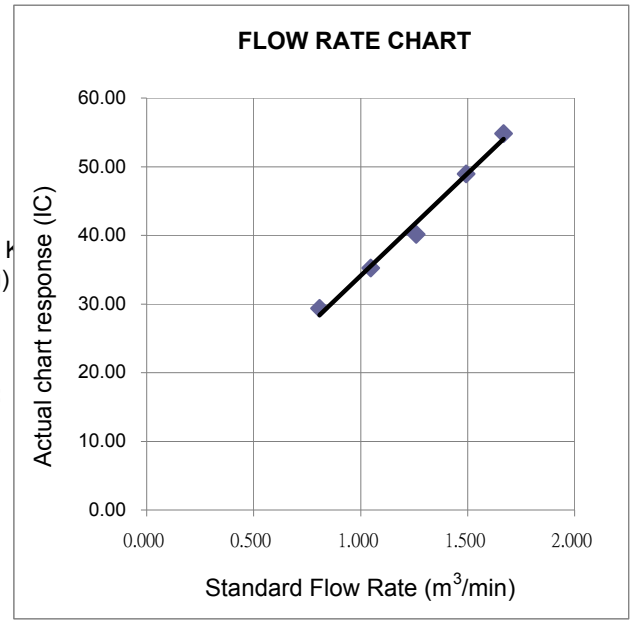
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM2 (The Harbourside Tower 1 (Ground L
Make: Tisch
Model: TE-5005X S/N: 3835

Date of Calibration: 29-Jul-14
Next Calibration Date: 28-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	34	Temperature (K):	307

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	4.10	-6.50	10.600	1.537	55.00	53.87	Slope =	42.9274
13	4.50	-5.00	9.500	1.456	50.00	48.97	Intercept =	-12.8572
10	3.40	-3.70	7.100	1.260	42.00	41.13	Corr. coeff.=	0.9991
7	2.20	-2.60	4.800	1.037	32.00	31.34		
5	1.30	-1.50	2.800	0.794	22.00	21.55		

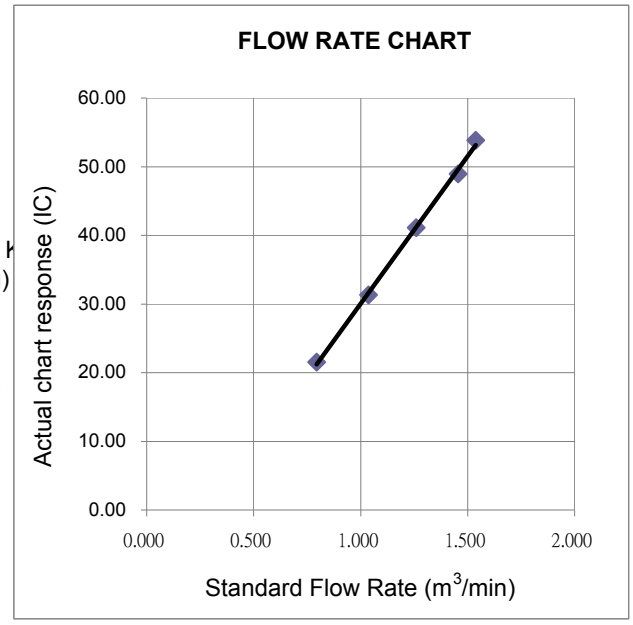
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM3 (The Victoria Towers - Tower 1)
Make: Tisch
Model: TE-5005X S/N: 3796

Date of Calibration: 21-Jul-14
Next Calibration Date: 20-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	-0.50	-12.80	12.300	1.661	60.00	58.96	Slope =	31.8295
13	-1.80	-11.30	9.500	1.460	52.00	51.09	Intercept =	4.2691
10	-3.20	-10.50	7.300	1.281	42.00	41.27	Corr. coeff.=	0.9822
7	-4.50	-8.90	4.400	0.997	37.00	36.36		
5	-5.40	-7.90	2.500	0.753	30.00	29.48		

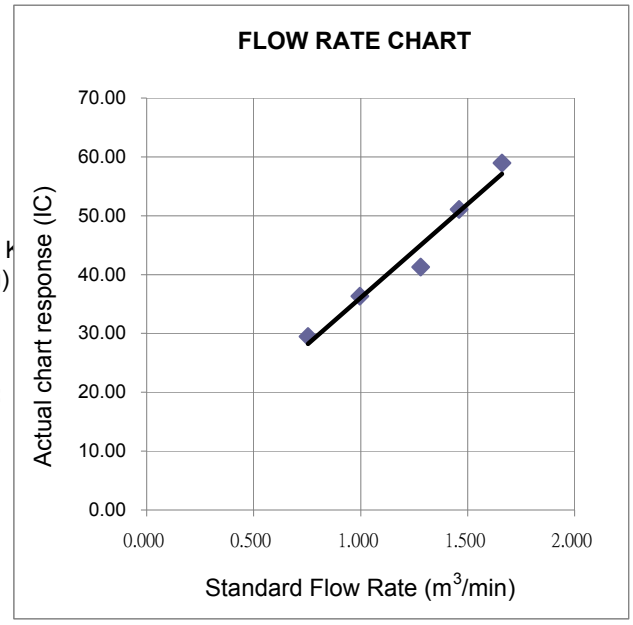
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM3 (The Victoria Towers - Tower 1)
Make: Tisch
Model: TE-5005X S/N: 3802

Date of Calibration: 21-Jul-14
Next Calibration Date: 20-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	-0.70	-12.50	11.800	1.627	57.00	56.01	Slope =	33.8879
13	-2.00	-11.00	9.000	1.422	50.00	49.13	Intercept =	0.0354
10	-3.00	-10.40	7.400	1.290	42.00	41.27	Corr. coeff.=	0.9907
7	-4.40	-9.30	4.900	1.051	36.00	35.37		
5	-5.30	-8.20	2.900	0.811	29.00	28.50		

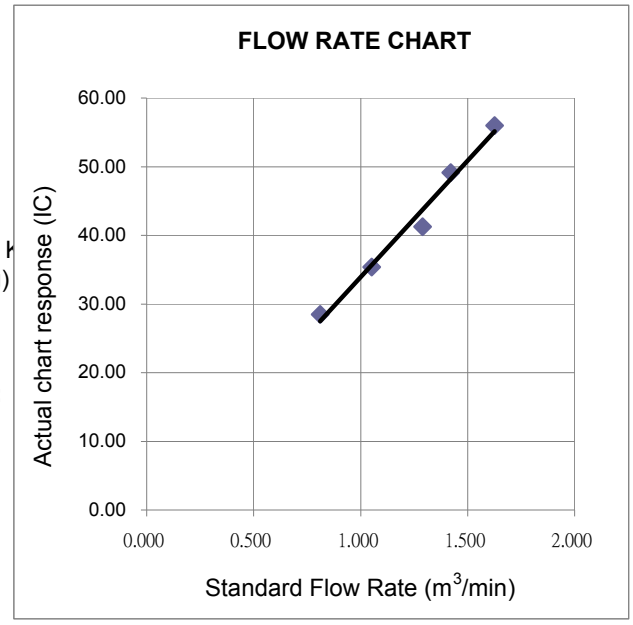
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM4 (Canton Road Government Primary Sc
Make: Thermo
Model: G310-1 S/N: 2088

Date of Calibration: 21-Jul-14
Next Calibration Date: 20-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	-0.80	-12.40	11.600	1.613	58.00	56.99	Slope =	41.3084
13	-2.10	-11.20	9.100	1.429	51.00	50.11	Intercept =	-10.4850
10	-3.10	-10.30	7.200	1.272	40.00	39.30	Corr. coeff.:	0.9837
7	-4.50	-9.50	5.000	1.062	32.00	31.44		
5	-5.20	-8.50	3.300	0.864	28.00	27.51		

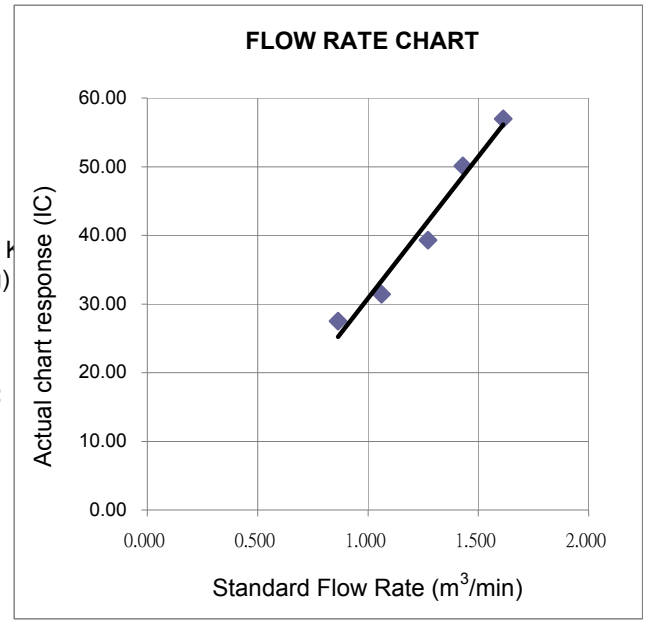
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : West Kowloon Cultural District
Location : AM4 (Canton Road Government Primary Sc
Make: Tisch
Model: TE-5005X S/N: 3841

Date of Calibration: 21-Jul-14
Next Calibration Date: 20-Oct-14
Technician: Sam Tsang

CONDITIONS

Sea Level Pressure (hPa):	1000.60	Corrected Pressure (mm Hg):	751
Temperature (℃):	32	Temperature (K):	305

CALIBRATION ORIFICE

Make:	Tisch	Qstd Slope:	2.08575
Model:	TE-5025A	Qstd Intercept:	-0.01737
Calibration Date:	22-Apr-14	Expiry Date:	22-Apr-15
S/N:	2456		

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m^3/min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
18	-0.70	-12.30	11.600	1.613	56.00	55.02	Slope =	33.1743
13	-2.00	-11.10	9.100	1.429	50.00	49.13	Intercept =	0.7549
10	-3.10	-10.30	7.200	1.272	41.00	40.29	Corr. coeff.:	0.9884
7	-4.30	-9.40	5.100	1.072	37.00	36.36		
5	-5.20	-8.30	3.100	0.838	30.00	29.48		

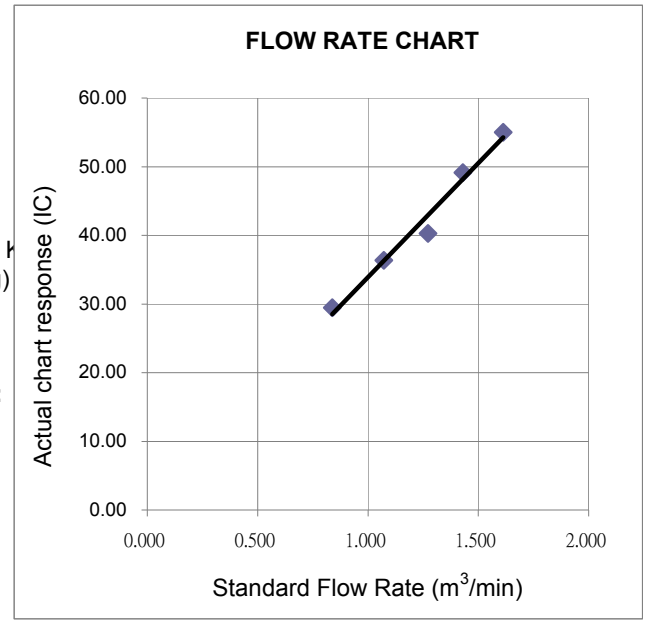
Calculations:

Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]
IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate
IC = corrected chart response
I = actual chart response
m = calibrator Qstd slope
b = calibrator Qstd intercept
Ta = actual temperature during calibration (deg K
Pa = actual pressure during calibration (mm Hg)
Tstd = 298 deg K
Pstd = 760 mm Hg

For subsequent calculation of sampler flow:
1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope
b = sampler intercept
I = chart response
Tav = daily average temperature
Pav = daily average pressure



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Appendix B

Baseline Environmental Monitoring Results

MATERIALAB CONSULTANTS LIMITED
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Email : mcl@fugro.com.hk

Report No.: 0125/14/ED/0056G

Baseline Air Quality Monitoring Results

Air Quality Monitoring Results

AM1 - 1hr TSP

Start Date	Time	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume (m^3)	Conc. (ug/m^3)
					Initial	Final			Initial	Final			
24-Jul-14	12:30	Cloudy	304.0	751.1	2.7969	2.7986	0.0017	1	1.67	1.70	1.69	101.3	16.8
24-Jul-14	13:35	Cloudy	304.0	751.1	2.7960	2.7984	0.0024	1	1.67	1.70	1.69	101.3	23.7
24-Jul-14	14:40	Cloudy	304.0	751.1	2.7963	2.7971	0.0008	1	1.67	1.70	1.69	101.3	7.9
25-Jul-14	8:00	Cloudy	305.8	754.3	2.7828	2.7845	0.0017	1	1.80	1.83	1.82	109.0	15.6
25-Jul-14	16:10	Cloudy	305.8	754.3	2.7395	2.7430	0.0035	1	1.71	1.74	1.72	103.2	33.9
25-Jul-14	17:15	Cloudy	305.8	754.3	2.7249	2.7292	0.0043	1	1.74	1.77	1.75	105.1	40.9
26-Jul-14	13:00	Cloudy	303.7	756.7	2.7381	2.7414	0.0033	1	1.75	1.80	1.77	106.4	31.0
26-Jul-14	14:05	Cloudy	303.7	756.7	2.7272	2.7310	0.0038	1	1.75	1.77	1.76	105.4	36.1
26-Jul-14	15:10	Cloudy	303.7	756.7	2.7165	2.7190	0.0025	1	1.75	1.77	1.76	105.4	23.7
27-Jul-14	8:00	Rainy	303.9	756.7	2.7017	2.7023	0.0006	1	1.75	1.77	1.76	105.4	5.7
27-Jul-14	13:45	Rainy	303.9	756.7	2.7127	2.7141	0.0014	1	1.75	1.77	1.76	105.4	13.3
27-Jul-14	14:50	Rainy	303.9	756.7	2.7181	2.7208	0.0027	1	1.81	1.83	1.82	109.2	24.7
28-Jul-14	8:00	Sunny	306.0	754.8	2.7273	2.7280	0.0007	1	1.80	1.83	1.82	109.0	6.4
28-Jul-14	14:55	Sunny	306.0	754.8	2.7512	2.7541	0.0029	1	1.67	1.70	1.69	101.3	28.6
28-Jul-14	16:00	Sunny	306.0	754.8	2.7459	2.7518	0.0059	1	1.67	1.70	1.69	101.3	58.2
29-Jul-14	8:00	Sunny	306.3	754.0	2.7681	2.7748	0.0067	1	1.67	1.70	1.69	101.2	66.2
29-Jul-14	15:20	Sunny	306.3	754.0	2.7564	2.7624	0.0060	1	1.73	1.77	1.75	105.1	57.1
29-Jul-14	16:30	Sunny	306.3	754.0	2.7475	2.7525	0.0050	1	1.70	1.74	1.72	103.2	48.5
30-Jul-14	9:00	Sunny	306.5	753.9	2.7471	2.7533	0.0062	1	1.70	1.74	1.72	103.1	60.1
30-Jul-14	13:10	Sunny	306.5	753.9	2.7854	2.7919	0.0065	1	1.70	1.77	1.74	104.1	62.4
30-Jul-14	14:20	Sunny	306.5	753.9	2.7713	2.7788	0.0075	1	1.67	1.70	1.69	101.2	74.1
31-Jul-14	9:00	Sunny	306.2	752.3	2.8067	2.8122	0.0055	1	1.67	1.70	1.69	101.2	54.3
31-Jul-14	15:40	Sunny	306.2	752.3	2.7767	2.7817	0.0050	1	1.67	1.70	1.69	101.2	49.4
31-Jul-14	16:45	Sunny	306.2	752.3	2.7753	2.7772	0.0019	1	1.67	1.70	1.69	101.2	18.8
1-Aug-14	9:00	Cloudy	307.4	750.8	2.7709	2.7749	0.0040	1	1.79	1.83	1.81	108.7	36.8
1-Aug-14	13:10	Cloudy	307.4	750.8	2.7633	2.7678	0.0045	1	1.79	1.83	1.81	108.7	41.4
1-Aug-14	14:15	Cloudy	307.4	750.8	2.7736	2.7800	0.0064	1	1.73	1.77	1.75	104.9	61.0
2-Aug-14	8:00	Cloudy	305.5	751.1	2.7700	2.7730	0.0030	1	1.73	1.77	1.75	105.0	28.6
2-Aug-14	16:35	Cloudy	305.5	751.1	2.7494	2.7537	0.0043	1	1.80	1.83	1.81	108.9	39.5
2-Aug-14	17:40	Cloudy	305.5	751.1	2.7555	2.7594	0.0039	1	1.67	1.70	1.69	101.2	38.5
3-Aug-14	8:00	Rainy	305.0	751.5	2.7511	2.7538	0.0027	1	1.74	1.80	1.77	106.1	25.5
3-Aug-14	16:00	Rainy	305.0	751.5	2.7673	2.7698	0.0025	1	1.67	1.70	1.69	101.3	24.7
3-Aug-14	17:05	Rainy	305.0	751.5	2.7666	2.7673	0.0007	1	1.67	1.70	1.69	101.3	6.9
4-Aug-14	8:00	Sunny	306.3	751.9	2.7558	2.7574	0.0016	1	1.67	1.70	1.69	101.2	15.8
4-Aug-14	15:15	Sunny	306.3	751.9	2.7492	2.7517	0.0025	1	1.67	1.70	1.69	101.2	24.7
4-Aug-14	16:20	Sunny	306.3	751.9	2.7517	2.7571	0.0054	1	1.70	1.74	1.72	103.1	52.4
5-Aug-14	8:00	Rainy	305.1	752.6	2.7465	2.7519	0.0054	1	1.67	1.70	1.69	101.3	53.3
5-Aug-14	14:35	Rainy	305.1	752.6	2.7468	2.7554	0.0086	1	1.67	1.70	1.69	101.3	84.9
5-Aug-14	16:40	Rainy	305.1	752.6	2.7505	2.7558	0.0053	1	1.67	1.70	1.69	101.3	52.3
6-Aug-14	8:00	Rainy	304.0	752.8	2.7366	2.7406	0.0040	1	1.68	1.70	1.69	101.4	39.4
6-Aug-14	15:50	Rainy	304.0	752.8	2.7471	2.7509	0.0038	1	1.68	1.70	1.69	101.4	37.5
6-Aug-14	16:55	Rainy	304.0	752.8	2.7604	2.7614	0.0010	1	1.68	1.70	1.69	101.4	9.9
												Min	5.7
												Max	84.9
												Average	36.4

	1st hour	2nd hour	3rd hour
24-Jul-14	16.8	23.7	7.9
25-Jul-14	15.6	33.9	40.9
26-Jul-14	31.0	36.1	23.7
27-Jul-14	5.7	13.3	24.7
28-Jul-14	6.4	28.6	58.2
29-Jul-14	66.2	57.1	48.5
30-Jul-14	60.1	62.4	74.1
31-Jul-14	54.3	49.4	18.8
1-Aug-14	36.8	41.4	61.0
2-Aug-14	28.6	39.5	38.5
3-Aug-14	25.5	24.7	6.9
4-Aug-14	15.8	24.7	52.4
5-Aug-14	53.3	84.9	52.3
6-Aug-14	39.4	37.5	9.9

Air Quality Monitoring Results
AM2 - 1hr TSP

Start Date	Time	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume (m^3)	Conc. (ug/m^3)
					Initial	Final			Initial	Final			
29-Jul-14	16:00	Sunny	306.3	754.0	2.7640	0.0034	0.0519	1	1.17	1.20	1.19	65.5	51.9
29-Jul-14	17:00	Sunny	306.3	754.0	2.7574	0.0033	0.0422	1	1.17	1.20	1.19	78.3	42.2
29-Jul-14	18:05	Sunny	306.3	754.0	2.7441	0.0013	0.0186	1	1.17	1.20	1.19	69.7	18.6
30-Jul-14	9:00	Sunny	306.5	753.9	2.7635	0.0033	0.0464	1	1.17	1.20	1.19	71.1	46.4
30-Jul-14	13:00	Sunny	306.5	753.9	2.7951	0.0043	0.0605	1	1.17	1.20	1.19	71.1	60.5
30-Jul-14	14:05	Sunny	306.5	753.9	2.7746	0.0068	0.0956	1	1.17	1.20	1.19	71.1	95.6
31-Jul-14	9:00	Sunny	306.2	752.3	2.7954	0.0044	0.0619	1	1.17	1.20	1.19	71.1	61.9
31-Jul-14	15:00	Sunny	306.2	752.3	2.7560	0.0010	0.0141	1	1.17	1.20	1.19	71.1	14.1
31-Jul-14	16:20	Sunny	306.2	752.3	2.7618	0.0003	0.0068	1	1.17	1.20	1.19	44.1	6.8
1-Aug-14	9:00	Cloudy	307.4	750.8	2.7912	0.0048	0.0676	1	1.17	1.20	1.18	71.0	67.6
1-Aug-14	12:50	Cloudy	307.4	750.8	2.7759	0.0006	0.0111	1	1.17	1.20	1.18	54.0	11.1
1-Aug-14	13:55	Cloudy	307.4	750.8	2.7685	0.0038	0.0563	1	1.17	1.20	1.18	67.4	56.3
2-Aug-14	8:00	Coudy	305.5	751.1	2.7751	0.0004	0.0056	1	1.17	1.20	1.19	71.1	5.6
2-Aug-14	16:00	Coudy	305.5	751.1	2.7539	0.0004	0.0057	1	1.17	1.20	1.19	70.4	5.7
2-Aug-14	17:05	Coudy	305.5	751.1	2.7575	0.0021	0.0321	1	1.17	1.20	1.19	65.4	32.1
4-Aug-14	16:22	Sunny	306.3	751.9	2.7558	0.0017	0.0239	1	1.17	1.20	1.18	71.1	23.9
4-Aug-14	17:25	Sunny	306.3	751.9	2.7567	0.0022	0.0309	1	1.17	1.20	1.18	71.1	30.9
4-Aug-14	17:30	Sunny	306.3	751.9	2.7408	0.0017	0.0239	1	1.17	1.20	1.18	71.1	23.9
5-Aug-14	8:00	Rainy	305.1	752.6	2.7485	0.0052	0.0730	1	1.18	1.20	1.19	71.2	73.0
5-Aug-14	14:15	Rainy	305.1	752.6	2.7673	0.0087	0.1222	1	1.18	1.20	1.19	71.2	122.2
5-Aug-14	15:20	Rainy	305.1	752.6	2.7557	0.0052	0.0692	1	1.24	1.26	1.25	75.2	69.2
6-Aug-14	8:00	Rainy	304.0	752.8	2.7678	0.0061	0.0844	1	1.18	1.23	1.20	72.3	84.4
6-Aug-14	15:05	Rainy	304.0	752.8	2.7482	0.0036	0.0505	1	1.18	1.20	1.19	71.3	50.5
6-Aug-14	16:10	Rainy	304.0	752.8	2.7632	0.0037	0.0519	1	1.18	1.20	1.19	71.3	51.9
7-Aug-14	8:00	Rainy	304.3	752.8	2.7569	0.0048	0.0674	1	1.18	1.20	1.19	71.2	67.4
7-Aug-14	16:00	Rainy	304.3	752.8	2.7055	0.0005	0.0069	1	1.18	1.20	1.19	72.7	6.9
7-Aug-14	17:05	Rainy	304.3	752.8	2.7351	0.0004	0.0056	1	1.18	1.20	1.19	71.2	5.6
8-Aug-14	8:00	Sunny	305.4	752.3	2.7663	0.0006	0.0084	1	1.17	1.20	1.19	71.2	8.4
8-Aug-14	14:27	Sunny	305.4	752.3	2.7554	0.0010	0.0141	1	1.17	1.20	1.19	71.2	14.1
8-Aug-14	15:32	Sunny	305.4	752.3	2.7706	0.0004	0.0056	1	1.17	1.20	1.19	71.2	5.6
9-Aug-14	8:00	Sunny	305.5	753.4	2.7588	0.0029	0.0407	1	1.18	1.20	1.19	71.2	40.7
9-Aug-14	12:10	Sunny	305.5	753.4	2.7596	0.0004	0.0056	1	1.18	1.20	1.19	71.2	5.6
9-Aug-14	13:20	Sunny	305.5	753.4	2.7617	0.0009	0.0126	1	1.18	1.20	1.19	71.2	12.6
10-Aug-14	8:00	Cloudy	305.4	753.6	2.7200	0.0006	0.0084	1	1.18	1.20	1.19	71.2	8.4
10-Aug-14	10:25	Cloudy	305.4	753.6	2.7344	0.0009	0.0126	1	1.18	1.20	1.19	71.2	12.6
10-Aug-14	11:40	Cloudy	305.4	753.6	2.7424	0.0005	0.0070	1	1.18	1.20	1.19	71.2	7.0
11-Aug-14	8:00	Sunny	304.9	752.5	2.7402	0.0049	0.0679	1	1.18	1.23	1.20	72.2	67.9
11-Aug-14	11:53	Sunny	304.9	752.5	2.7068	0.0020	0.0281	1	1.18	1.20	1.19	71.2	28.1
11-Aug-14	12:58	Sunny	304.9	752.5	2.7325	0.0027	0.0379	1	1.18	1.20	1.19	71.2	37.9
12-Aug-14	14:20	Rainy	305.1	751.6	2.7081	0.0024	0.0333	1	1.17	1.23	1.20	72.2	33.3
12-Aug-14	15:25	Rainy	305.1	751.6	2.7015	0.0030	0.0416	1	1.17	1.23	1.20	72.2	41.6
12-Aug-14	16:30	Rainy	305.1	751.6	2.7847	0.0039	0.0540	1	1.17	1.23	1.20	72.2	51.8
												Min	5.6
												Max	122.2
												Average	37.2

	1st hour	2nd hour	3rd hour
29-Jul-14	51.9	42.2	18.6
30-Jul-14	46.4	60.5	95.6
31-Jul-14	61.9	14.1	6.8
1-Aug-14	67.6	11.1	56.3
2-Aug-14	5.6	5.7	32.1
4-Aug-14	23.9	30.9	23.9
5-Aug-14	73.0	122.2	69.2
6-Aug-14	84.4	50.5	51.9
7-Aug-14	67.4	6.9	5.6
8-Aug-14	8.4	14.1	5.6
9-Aug-14	40.7	5.6	12.6
10-Aug-14	8.4	12.6	7.0
11-Aug-14	67.9	28.1	37.9
12-Aug-14	33.3	41.6	51.8

Air Quality Monitoring Results

AM3 - 1hr TSP

Start Date	Time	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume (m^3)	Conc. (ug/m^3)
					Initial	Final			Initial	Final			
22-Jul-14	10:25	Rainy	306.4	752.0	2.7590	2.7662	0.0072	1	1.10	1.12	1.11	67.3	107.0
22-Jul-14	11:30	Rainy	306.4	752.0	2.7949	2.8055	0.0106	1	1.10	1.12	1.11	66.0	160.7
22-Jul-14	12:40	Rainy	306.4	752.0	2.7672	2.7754	0.0082	1	1.16	1.19	1.17	70.4	116.5
23-Jul-14	8:00	Sunny	306.0	749.8	2.7615	2.7660	0.0045	1	1.10	1.12	1.11	66.6	67.6
23-Jul-14	12:25	Sunny	306.0	749.8	2.7751	2.7794	0.0043	1	1.16	1.19	1.17	70.3	61.1
23-Jul-14	14:00	Sunny	306.0	749.8	2.7686	2.7729	0.0043	1	1.28	1.31	1.30	75.5	57.0
24-Jul-14	13:55	Cloudy	304.0	751.1	2.7924	2.7975	0.0051	1	1.10	1.12	1.11	66.8	76.4
24-Jul-14	15:00	Cloudy	304.0	751.1	2.7317	2.7321	0.0004	1	1.10	1.12	1.11	66.8	6.0
24-Jul-14	16:05	Cloudy	304.0	751.1	2.7201	2.7208	0.0007	1	1.10	1.12	1.11	66.1	10.6
25-Jul-14	11:47	Cloudy	305.8	754.3	2.7638	2.7645	0.0007	1	1.10	1.12	1.11	61.4	11.4
25-Jul-14	13:00	Cloudy	305.8	754.3	2.7240	2.7245	0.0005	1	1.19	1.22	1.21	72.3	6.9
25-Jul-14	14:05	Cloudy	305.8	754.3	2.7437	2.7452	0.0015	1	1.10	1.12	1.11	66.7	22.5
26-Jul-14	8:00	Cloudy	303.7	756.7	2.7212	2.7217	0.0005	1	1.11	1.12	1.12	66.9	7.5
26-Jul-14	9:50	Cloudy	303.7	756.7	2.7262	2.7270	0.0008	1	1.11	1.12	1.12	66.9	12.0
26-Jul-14	11:00	Cloudy	303.7	756.7	2.7587	2.7593	0.0006	1	1.11	1.12	1.12	66.9	9.0
27-Jul-14	8:00	Rainy	303.9	756.7	2.7309	2.7319	0.0010	1	1.11	1.12	1.12	66.9	14.9
27-Jul-14	9:15	Rainy	303.9	756.7	2.7768	2.7777	0.0009	1	1.11	1.12	1.12	66.9	13.5
27-Jul-14	10:20	Rainy	303.9	756.7	2.7509	2.7515	0.0006	1	1.14	1.15	1.15	68.8	8.7
28-Jul-14	8:00	Sunny	306.0	754.8	2.7451	2.7518	0.0067	1	1.16	1.19	1.17	70.5	95.1
28-Jul-14	10:55	Sunny	306.0	754.8	2.7260	2.7266	0.0006	1	1.10	1.12	1.11	66.7	9.0
28-Jul-14	12:30	Sunny	306.0	754.8	2.7453	2.7457	0.0004	1	1.10	1.12	1.11	66.7	6.0
29-Jul-14	10:05	Sunny	306.3	754.0	2.7372	2.7427	0.0055	1	1.10	1.12	1.11	66.7	82.5
29-Jul-14	11:10	Sunny	306.3	754.0	2.7265	2.7306	0.0041	1	1.10	1.12	1.11	66.7	61.5
29-Jul-14	8:00	Sunny	306.3	754.0	2.7333	2.7337	0.0004	1	1.10	1.15	1.13	67.6	5.9
30-Jul-14	8:00	Sunny	306.5	753.9	2.7471	2.7502	0.0031	1	1.10	1.12	1.11	66.7	46.5
30-Jul-14	12:00	Sunny	306.5	753.9	2.7757	2.7812	0.0055	1	1.10	1.12	1.11	66.7	82.5
30-Jul-14	13:05	Sunny	306.5	753.9	2.7698	2.7757	0.0059	1	1.10	1.12	1.11	66.7	88.5
31-Jul-14	8:00	Sunny	306.2	752.3	2.7650	2.7708	0.0058	1	1.10	1.12	1.11	66.7	87.0
31-Jul-14	10:50	Sunny	306.2	752.3	2.7751	2.7797	0.0046	1	1.10	1.12	1.11	66.7	69.0
31-Jul-14	12:05	Sunny	306.2	752.3	2.7767	2.7786	0.0019	1	1.10	1.12	1.11	66.7	28.5
1-Aug-14	8:00	Cloudy	307.4	750.8	2.7950	2.7978	0.0028	1	1.10	1.12	1.11	66.5	42.1
1-Aug-14	10:10	Cloudy	307.4	750.8	2.7761	2.7788	0.0027	1	1.10	1.12	1.11	66.5	40.6
1-Aug-14	11:15	Cloudy	307.4	750.8	2.7823	2.7861	0.0038	1	1.22	1.25	1.23	74.0	51.3
2-Aug-14	8:00	Cloudy	305.5	751.1	2.7671	2.7687	0.0016	1	1.28	1.31	1.30	77.9	20.5
2-Aug-14	9:50	Cloudy	305.5	751.1	2.7742	2.7784	0.0042	1	1.10	1.12	1.11	66.7	63.0
2-Aug-14	11:00	Cloudy	305.5	751.1	2.7733	2.7751	0.0018	1	1.10	1.12	1.11	66.7	27.0
3-Aug-14	7:00	Rainy	305.0	751.5	2.7675	2.7732	0.0057	1	1.10	1.12	1.11	66.7	85.4
3-Aug-14	8:10	Rainy	305.0	751.5	2.7773	2.7813	0.0040	1	1.16	1.19	1.17	70.4	56.8
3-Aug-14	9:20	Rainy	305.0	751.5	2.7662	2.7667	0.0005	1	1.10	1.12	1.11	66.7	7.5
4-Aug-14	8:00	Sunny	306.3	751.9	2.7551	2.7600	0.0049	1	1.10	1.12	1.11	66.6	73.5
4-Aug-14	11:15	Sunny	306.3	751.9	2.7524	2.7550	0.0026	1	1.10	1.12	1.11	66.6	39.0
4-Aug-14	12:20	Sunny	306.3	751.9	2.7733	2.7748	0.0015	1	1.10	1.12	1.11	66.6	22.5
												Min	5.9
												Max	160.7
												Average	46.7

	1st hour	2nd hour	3rd hour
22-Jul-14	107.0	160.7	116.5
23-Jul-14	67.6	61.1	57.0
24-Jul-14	76.4	6.0	10.6
25-Jul-14	11.4	6.9	22.5
26-Jul-14	7.5	12.0	9.0
27-Jul-14	14.9	13.5	8.7
28-Jul-14	95.1	9.0	6.0
29-Jul-14	82.5	61.5	5.9
30-Jul-14	46.5	82.5	88.5
31-Jul-14	87.0	69.0	28.5
1-Aug-14	42.1	40.6	51.3
2-Aug-14	20.5	63.0	27.0
3-Aug-14	85.4	56.8	7.5
4-Aug-14	73.5	39.0	22.5

Air Quality Monitoring Results
AM4 - 1hr TSP

Start Date	Time	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume (m^3)	Conc. (ug/m^3)
					Initial	Final			Initial	Final			
22-Jul-14	11:50	Rainy	306.4	752.0	2.7559	2.7667	0.0108	1	1.20	1.22	1.21	72.8	148.4
22-Jul-14	13:35	Rainy	306.4	752.0	2.7700	2.7753	0.0053	1	1.20	1.22	1.21	72.8	72.8
22-Jul-14	15:00	Rainy	306.4	752.0	2.7630	2.7659	0.0029	1	1.23	1.25	1.24	74.2	39.1
23-Jul-14	12:50	Sunny	306.0	749.8	2.7754	2.7827	0.0073	1	1.23	1.25	1.24	74.2	98.4
23-Jul-14	14:35	Sunny	306.0	749.8	2.7772	2.7836	0.0064	1	1.25	1.27	1.26	75.6	84.6
23-Jul-14	16:00	Sunny	306.0	749.8	2.7895	2.7949	0.0054	1	1.25	1.27	1.26	75.6	71.4
24-Jul-14	8:00	Cloudy	304.0	751.1	2.7953	2.7988	0.0035	1	1.23	1.25	1.24	74.3	47.1
24-Jul-14	13:05	Cloudy	304.0	751.1	2.7854	2.7873	0.0019	1	1.23	1.25	1.24	74.3	25.6
24-Jul-14	14:10	Cloudy	304.0	751.1	2.7864	2.7869	0.0005	1	1.25	1.27	1.26	75.8	6.6
25-Jul-14	8:00	Cloudy	305.8	754.3	2.6985	2.6990	0.0005	1	1.25	1.27	1.26	75.7	6.6
25-Jul-14	11:15	Cloudy	305.8	754.3	2.7805	2.7820	0.0015	1	1.21	1.22	1.21	72.8	20.6
25-Jul-14	12:35	Cloudy	305.8	754.3	2.7244	2.7258	0.0014	1	1.30	1.32	1.31	78.6	17.8
26-Jul-14	8:00	Cloudy	303.7	756.7	2.7261	2.7265	0.0004	1	1.26	1.27	1.26	75.9	5.3
26-Jul-14	9:40	Cloudy	303.7	756.7	2.7353	2.7358	0.0005	1	1.26	1.27	1.26	75.9	6.6
26-Jul-14	10:50	Cloudy	303.7	756.7	2.7208	2.7212	0.0004	1	1.21	1.22	1.22	73.0	5.5
27-Jul-14	8:00	Rainy	303.9	756.7	2.7528	2.7536	0.0008	1	1.26	1.27	1.26	75.9	10.5
27-Jul-14	9:05	Rainy	303.9	756.7	2.7592	2.7601	0.0009	1	1.23	1.25	1.24	74.4	12.1
27-Jul-14	10:10	Rainy	303.9	756.7	2.7321	2.7328	0.0007	1	1.26	1.27	1.26	75.9	9.2
28-Jul-14	8:00	Sunny	306.0	754.8	2.7273	2.7278	0.0005	1	1.25	1.27	1.26	75.7	6.6
28-Jul-14	10:40	Sunny	306.0	754.8	2.7083	2.7102	0.0019	1	1.25	1.27	1.26	75.7	25.1
28-Jul-14	11:45	Sunny	306.0	754.8	2.7140	2.7172	0.0032	1	1.28	1.29	1.29	77.2	41.5
29-Jul-14	8:00	Sunny	306.3	754.0	2.7525	2.7620	0.0095	1	1.23	1.25	1.24	74.3	127.9
29-Jul-14	10:00	Sunny	306.3	754.0	2.7459	2.7518	0.0059	1	1.25	1.32	1.29	77.2	76.5
29-Jul-14	11:05	Sunny	306.3	754.0	2.7356	2.7398	0.0042	1	1.25	1.27	1.26	75.7	55.5
30-Jul-14	8:00	Sunny	306.5	753.9	2.7478	2.7530	0.0052	1	1.25	1.27	1.26	75.7	68.7
30-Jul-14	11:40	Sunny	306.5	753.9	2.7710	2.7784	0.0074	1	1.25	1.27	1.26	75.7	97.8
30-Jul-14	11:45	Sunny	306.5	753.9	2.7785	2.7862	0.0077	1	1.28	1.29	1.29	77.1	99.8
31-Jul-14	8:00	Sunny	306.2	752.3	2.7949	2.8023	0.0074	1	1.28	1.29	1.29	77.1	96.0
31-Jul-14	10:35	Sunny	306.2	752.3	2.7699	2.7748	0.0049	1	1.25	1.27	1.26	75.7	64.8
31-Jul-14	11:40	Sunny	306.2	752.3	2.7767	2.7824	0.0057	1	1.28	1.29	1.29	77.1	73.9
1-Aug-14	8:00	Cloudy	307.4	750.8	2.7787	2.7847	0.0060	1	1.25	1.27	1.26	75.6	79.4
1-Aug-14	10:00	Cloudy	307.4	750.8	2.7797	2.7844	0.0047	1	1.25	1.27	1.26	75.6	62.2
1-Aug-14	11:05	Cloudy	307.4	750.8	2.7762	2.7818	0.0056	1	1.27	1.29	1.28	77.0	72.7
2-Aug-14	8:00	Cloudy	305.5	751.1	2.7683	2.7688	0.0005	1	1.28	1.29	1.29	77.1	6.5
2-Aug-14	10:30	Cloudy	305.5	751.1	2.7637	2.7652	0.0015	1	1.25	1.27	1.26	75.7	19.8
2-Aug-14	11:30	Cloudy	305.5	751.1	2.7621	2.7626	0.0005	1	1.20	1.22	1.21	72.8	6.9
3-Aug-14	7:00	Rainy	305.0	751.5	2.7549	2.7570	0.0021	1	1.30	1.32	1.31	78.6	26.7
3-Aug-14	8:25	Rainy	305.0	751.5	2.7653	2.7657	0.0004	1	1.25	1.27	1.26	75.7	5.3
3-Aug-14	9:30	Rainy	305.0	751.5	2.7555	2.7566	0.0011	1	1.32	1.34	1.33	80.0	13.7
4-Aug-14	10:42	Sunny	306.3	751.9	2.7626	2.7630	0.0004	1	1.23	1.25	1.24	74.2	5.4
4-Aug-14	11:50	Sunny	306.3	751.9	2.7538	2.7546	0.0008	1	1.20	1.22	1.21	72.8	11.0
4-Aug-14	12:55	Sunny	306.3	751.9	2.7698	2.7707	0.0009	1	1.20	1.22	1.21	72.8	12.4
												Min	5.3
												Max	148.4
												Average	43.9

	1st hour	2nd hour	3rd hour
22-Jul-14	148.4	72.8	39.1
23-Jul-14	98.4	84.6	71.4
24-Jul-14	47.1	25.6	6.6
25-Jul-14	6.6	20.6	17.8
26-Jul-14	5.3	6.6	5.5
27-Jul-14	10.5	12.1	9.2
28-Jul-14	6.6	25.1	41.5
29-Jul-14	127.9	76.5	55.5
30-Jul-14	68.7	97.8	99.8
31-Jul-14	96.0	64.8	73.9
1-Aug-14	79.4	62.2	72.7
2-Aug-14	6.5	19.8	6.9
3-Aug-14	26.7	5.3	13.7
4-Aug-14	5.4	11.0	12.4

Air Quality Monitoring Results
AM1 - 24hr TSP

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume ($m^{3)}$	Conc. (ug/m^3)
				Initial	Final			Initial	Final			
22-Jul-14	Rainy	306.4	752.0	2.7680	2.8454	0.0774	24	1.20	1.22	1.21	1744.5	44.4
23-Jul-14	Sunny	306.0	749.8	2.7646	2.8036	0.0390	24	1.20	1.22	1.21	1743.8	22.4
24-Jul-14	Cloudy	304.0	751.1	2.7585	2.7772	0.0187	24	1.20	1.22	1.21	1747.3	10.7
25-Jul-14	Cloudy	305.8	754.3	2.7200	2.7423	0.0223	24	1.20	1.22	1.21	1746.6	12.8
26-Jul-14	Cloudy	303.7	756.7	2.7123	2.7338	0.0215	24	1.21	1.22	1.22	1750.8	12.3
27-Jul-14	Rainy	303.9	756.7	2.7154	2.7305	0.0151	24	1.21	1.22	1.22	1750.6	8.6
28-Jul-14	Sunny	306.0	754.8	2.7656	2.8203	0.0547	24	1.20	1.22	1.21	1746.6	31.3
29-Jul-14	Sunny	306.3	754.0	2.7574	2.8111	0.0537	24	1.23	1.25	1.24	1788.1	30.0
30-Jul-14	Sunny	306.5	753.9	2.7984	2.8552	0.0568	24	1.26	1.28	1.27	1830.2	31.0
31-Jul-14	Sunny	306.2	752.3	2.7822	2.8019	0.0197	24	1.20	1.22	1.21	1744.9	11.3
1-Aug-14	Cloudy	307.4	750.8	2.7633	2.8138	0.0505	24	1.20	1.22	1.21	1742.4	29.0
2-Aug-14	Cloudy	305.5	751.1	2.7554	2.7909	0.0355	24	1.20	1.22	1.21	1745.2	20.3
3-Aug-14	Rainy	305.0	751.5	2.7698	2.7993	0.0295	24	1.20	1.22	1.21	1746.1	16.9
4-Aug-14	Sunny	306.3	751.9	2.7420	2.7628	0.0208	24	1.20	1.22	1.21	1744.6	11.9
											Min	8.6
											Max	44.4
											Average	20.9

Air Quality Monitoring Results
AM2 - 24hr TSP

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume ($m^{3)}$	Conc. (ug/m^3)
				Initial	Final			Initial	Final			
29-Jul-14	Sunny	306.3	754.0	2.7608	2.8298	0.0690	24	1.24	1.25	1.25	1794.6	38.4
30-Jul-14	Sunny	306.5	753.9	2.7952	2.8869	0.0917	24	1.24	1.25	1.25	1790.6	51.2
31-Jul-14	Sunny	306.2	752.3	2.7805	2.8543	0.0738	24	1.26	1.28	1.27	1681.7	43.9
1-Aug-14	Cloudy	307.4	750.8	2.7663	2.8730	0.1067	24	1.23	1.28	1.26	1808.7	59.0
4-Aug-14	Sunny	306.3	751.9	2.7639	2.8314	0.0675	24	1.26	1.28	1.27	1826.9	36.9
5-Aug-14	Rainy	305.1	752.6	2.7609	2.8021	0.0412	24	1.26	1.32	1.29	1862.1	22.1
6-Aug-14	Rainy	304.0	752.8	2.7312	2.7770	0.0458	24	1.22	1.23	1.22	1762.6	26.0
7-Aug-14	Rainy	304.3	752.5	2.6858	2.7234	0.0376	24	1.22	1.23	1.22	1762.8	21.3
8-Aug-14	Sunny	305.4	752.3	2.7517	2.8019	0.0502	24	1.26	1.28	1.27	1828.1	27.5
9-Aug-14	Sunny	305.5	753.4	2.7325	2.7743	0.0418	24	1.31	1.28	1.29	1861.4	22.5
10-Aug-14	Cloudy	305.4	753.6	2.7218	2.7814	0.0596	24	1.26	1.28	1.27	1828.7	32.6
11-Aug-14	Sunny	304.9	752.5	2.7182	2.7930	0.0748	24	1.26	1.28	1.27	1828.7	40.9
12-Aug-14	Rainy	305.1	751.6	2.7133	2.7326	0.0193	24	1.22	1.25	1.23	1778.3	10.9
15-Aug-14	Sunny	304.8	757.6	2.7069	2.7444	0.0375	24	1.22	1.23	1.23	1764.5	21.3
											Min	10.9
											Max	59.0
											Average	32.5

Air Quality Monitoring Results
AM3 - 24hr TSP

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume ($m^{3)}$	Conc. (ug/m^3)
				Initial	Final			Initial	Final			
22-Jul-14	Rainy	306.4	752.0	2.7884	2.9072	0.1188	24	1.16	1.18	1.17	1678.6	70.8
23-Jul-14	Sunny	306.0	749.8	2.7735	2.8604	0.0869	24	1.16	1.18	1.17	1682.8	51.6
24-Jul-14	Cloudy	304.0	751.1	2.8027	2.8527	0.0500	24	1.16	1.18	1.17	1684.9	29.7
25-Jul-14	Cloudy	305.8	754.3	2.7964	2.8273	0.0309	24	1.16	1.18	1.17	1684.2	18.3
26-Jul-14	Cloudy	303.7	756.7	2.7418	2.7654	0.0236	24	1.17	1.18	1.17	1688.4	14.0
27-Jul-14	Rainy	303.9	756.7	2.7289	2.7607	0.0318	24	1.17	1.18	1.17	1688.1	18.8
28-Jul-14	Sunny	306.0	754.8	2.7405	2.8089	0.0684	24	1.16	1.18	1.17	1684.2	40.6
29-Jul-14	Sunny	306.3	754.0	2.7637	2.8211	0.0574	24	1.16	1.18	1.17	1683.3	34.1
30-Jul-14	Sunny	306.5	753.9	2.7607	2.8358	0.0751	24	1.16	1.18	1.17	1683.0	44.6
31-Jul-14	Sunny	306.2	752.3	2.7645	2.8293	0.0648	24	1.16	1.18	1.17	1682.5	38.5
1-Aug-14	Cloudy	307.4	750.8	2.7718	2.8577	0.0859	24	1.15	1.18	1.17	1680.0	51.1
2-Aug-14	Cloudy	305.5	751.1	2.7446	2.8023	0.0577	24	1.16	1.18	1.17	1682.8	34.3
3-Aug-14	Rainy	305.0	751.5	2.7769	2.8186	0.0417	24	1.16	1.18	1.17	1683.7	24.8
4-Aug-14	Sunny	306.3	751.9	2.7367	2.7552	0.0185	24	1.16	1.18	1.17	1682.1	11.0
											Min	11.0
											Max	70.8
											Average	34.4

Air Quality Monitoring Results
AM4 - 24hr TSP

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m^3/min.)		Average flow (m^3/min.)	Total volume ($m^{3)}$	Conc. (ug/m^3)
				Initial	Final			Initial	Final			
22-Jul-14	Rainy	306.4	752.0	2.7665	2.8759	0.1094	24	1.28	1.24	1.26	1808.8	60.5
23-Jul-14	Sunny	306.0	749.8	2.7852	2.8853	0.1001	24	1.16	1.36	1.26	1827.9	54.8
24-Jul-14	Cloudy	304.0	751.1	2.7698	2.8390	0.0692	24	1.31	1.33	1.32	1905.2	36.3
25-Jul-14	Cloudy	305.8	754.3	2.7956	2.8394	0.0438	24	1.34	1.36	1.35	1947.4	22.5
26-Jul-14	Cloudy	303.7	756.7	2.7490	2.7859	0.0369	24	1.32	1.33	1.33	1909.2	19.3
27-Jul-14	Rainy	303.9	756.7	2.7401	2.7768	0.0367	24	1.32	1.33	1.33	1875.5	19.6
28-Jul-14	Sunny	306.0	754.8	2.7485	2.8283	0.0798	24	1.46	1.48	1.47	2119.6	37.6
29-Jul-14	Sunny	306.3	754.0	2.7404	2.7522	0.0118	24	1.34	1.36	1.35	1946.4	6.1
30-Jul-14	Sunny	306.5	753.9	2.7422	2.8223	0.0801	24	1.52	1.61	1.56	2247.6	35.6
31-Jul-14	Sunny	306.2	752.3	2.7826	2.8685	0.0859	24	1.22	1.24	1.23	1773.5	48.4
1-Aug-14	Cloudy	307.4	750.8	2.7657	2.8562	0.0905	24	1.22	1.24	1.23	1770.8	51.1
2-Aug-14	Cloudy	305.5	751.1	2.7635	2.8281	0.0646	24	1.16	1.18	1.17	1687.8	38.3
4-Aug-14	Sunny	306.3	751.9	2.7676	2.8024	0.0348	24	1.16	1.18	1.17	1687.1	20.6
5-Aug-14	Rainy	305.1	752.6	2.7353	2.7945	0.0592	24	1.16	1.18	1.17	1689.2	35.0
											Min	6.1
											Max	60.5
											Average	34.7

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Baseline Noise Monitoring Results

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
22-Jul-14	7:00	63.8	57.1	57.6			
22-Jul-14	7:05	62.0	56.8	57.3			
22-Jul-14	7:10	68.1	58.8	61.8	64.2	57.5	59.0
22-Jul-14	7:15	67.3	57.6	59.6			
22-Jul-14	7:20	62.5	57.4	58.3			
22-Jul-14	7:25	61.2	57.0	57.4			
22-Jul-14	7:30	62.1	58.0	58.5			
22-Jul-14	7:35	70.8	60.5	64.6			
22-Jul-14	7:40	65.6	58.7	60.1	66.3	58.8	61.0
22-Jul-14	7:45	68.3	58.5	60.2			
22-Jul-14	7:50	62.9	58.4	59.3			
22-Jul-14	7:55	68.0	58.9	60.5			
22-Jul-14	8:00	68.3	59.9	62.1			
22-Jul-14	8:05	63.5	60.0	61.0			
22-Jul-14	8:10	68.2	61.8	63.3	68.6	61.7	63.7
22-Jul-14	8:15	70.4	62.6	64.3			
22-Jul-14	8:20	68.3	63.3	65.2			
22-Jul-14	8:25	72.8	62.3	64.6			
22-Jul-14	8:30	69.8	62.9	64.9			
22-Jul-14	8:35	75.3	65.7	68.1			
22-Jul-14	8:40	72.7	64.1	67.6	72.6	64.3	66.6
22-Jul-14	8:45	70.4	63.9	65.9			
22-Jul-14	8:50	78.8	65.5	67.1			
22-Jul-14	8:55	68.7	63.5	65.3			
22-Jul-14	9:00	79.4	64.2	67.7			
22-Jul-14	9:05	69.9	63.2	64.9			
22-Jul-14	9:10	84.1	67.0	68.0	72.9	64.0	66.1
22-Jul-14	9:15	68.6	63.7	65.9			
22-Jul-14	9:20	67.5	63.4	64.7			
22-Jul-14	9:25	67.6	62.5	63.6			
22-Jul-14	9:30	66.4	62.6	63.7			
22-Jul-14	9:35	66.3	62.9	63.9			
22-Jul-14	9:40	68.3	62.3	63.1	72.8	64.3	67.9
22-Jul-14	9:45	78.5	65.7	70.6			
22-Jul-14	9:50	77.1	66.8	70.9			
22-Jul-14	9:55	80.0	65.6	67.9			
22-Jul-14	10:00	79.2	66.0	68.9			
22-Jul-14	10:05	67.3	62.9	63.8			
22-Jul-14	10:10	66.1	62.5	63.3	73.0	64.6	67.1
22-Jul-14	10:15	66.2	62.1	63.2			
22-Jul-14	10:20	86.6	70.2	71.1			
22-Jul-14	10:25	72.6	63.7	65.1			
22-Jul-14	10:30	74.4	63.6	64.9			
22-Jul-14	10:35	69.9	63.1	64.1			
22-Jul-14	10:40	66.9	62.9	64.2	71.0	63.7	65.0
22-Jul-14	10:45	67.6	63.1	64.2			
22-Jul-14	10:50	79.6	66.5	67.7			
22-Jul-14	10:55	67.7	62.8	63.6			
22-Jul-14	11:00	66.0	62.4	63.2			
22-Jul-14	11:05	68.0	62.8	63.5			
22-Jul-14	11:10	76.3	64.6	65.4	68.9	62.5	63.5
22-Jul-14	11:15	65.8	61.9	62.8			
22-Jul-14	11:20	69.0	61.7	63.0			
22-Jul-14	11:25	68.1	61.4	62.3			
22-Jul-14	11:30	76.4	62.5	64.1			
22-Jul-14	11:35	67.9	60.7	61.8			
22-Jul-14	11:40	68.3	60.8	61.7	74.4	62.8	73.2
22-Jul-14	11:45	89.0	72.2	80.6			
22-Jul-14	11:50	71.7	59.8	63.5			
22-Jul-14	11:55	73.1	60.7	63.9			
22-Jul-14	12:00	93.0	70.4	84.6			
22-Jul-14	12:05	75.3	60.3	65.6			
22-Jul-14	12:10	72.7	60.4	63.3	73.7	62.1	77.0
22-Jul-14	12:15	64.7	59.9	61.0			
22-Jul-14	12:20	71.4	61.5	64.1			
22-Jul-14	12:25	65.1	60.2	61.5			
22-Jul-14	12:30	77.7	63.0	64.4			
22-Jul-14	12:35	65.9	60.3	61.5			
22-Jul-14	12:40	64.8	60.1	60.9	69.5	61.0	62.7
22-Jul-14	12:45	68.7	60.5	62.0			
22-Jul-14	12:50	67.8	60.8	61.9			
22-Jul-14	12:55	72.1	61.2	64.2			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
22-Jul-14	13:00	77.3	61.1	63.2			
22-Jul-14	13:05	67.9	61.2	62.4			
22-Jul-14	13:10	74.7	62.5	64.0	71.7	62.4	64.1
22-Jul-14	13:15	68.7	62.5	63.7			
22-Jul-14	13:20	70.4	62.8	64.4			
22-Jul-14	13:25	71.0	64.2	65.9			
22-Jul-14	13:30	70.7	62.3	63.6			
22-Jul-14	13:35	69.5	62.1	63.5			
22-Jul-14	13:40	72.1	62.4	65.2	69.8	62.3	64.2
22-Jul-14	13:45	66.0	61.9	62.8			
22-Jul-14	13:50	65.1	61.9	63.2			
22-Jul-14	13:55	75.2	63.0	66.0			
22-Jul-14	14:00	69.9	63.7	65.3			
22-Jul-14	14:05	70.2	63.3	65.3			
22-Jul-14	14:10	77.5	63.6	65.6	71.5	63.9	65.6
22-Jul-14	14:15	71.8	63.5	65.1			
22-Jul-14	14:20	68.7	63.5	64.6			
22-Jul-14	14:25	70.8	65.6	67.2			
22-Jul-14	14:30	74.5	66.1	68.8			
22-Jul-14	14:35	74.7	66.2	68.0			
22-Jul-14	14:40	68.7	63.2	64.1	72.1	64.4	66.5
22-Jul-14	14:45	69.2	63.7	64.9			
22-Jul-14	14:50	68.5	63.0	64.6			
22-Jul-14	14:55	77.2	64.3	66.2			
22-Jul-14	15:00	68.6	62.3	63.6			
22-Jul-14	15:05	70.0	63.0	64.9			
22-Jul-14	15:10	68.9	62.6	64.1	70.4	62.7	64.2
22-Jul-14	15:15	79.7	64.3	65.8			
22-Jul-14	15:20	66.5	62.1	63.2			
22-Jul-14	15:25	68.5	61.6	63.1			
22-Jul-14	15:30	69.0	61.7	63.2			
22-Jul-14	15:35	73.5	61.7	64.4			
22-Jul-14	15:40	73.1	61.5	63.6	70.4	61.7	63.6
22-Jul-14	15:45	67.8	61.4	62.1			
22-Jul-14	15:50	67.9	61.0	62.7			
22-Jul-14	15:55	71.2	62.7	65.1			
22-Jul-14	16:00	67.1	63.1	64.1			
22-Jul-14	16:05	71.9	62.7	64.7			
22-Jul-14	16:10	72.5	62.7	65.3	70.9	63.9	66.9
22-Jul-14	16:15	67.0	62.8	64.4			
22-Jul-14	16:20	72.1	63.9	66.1			
22-Jul-14	16:25	74.6	68.0	71.3			
22-Jul-14	16:30	72.9	64.7	66.8			
22-Jul-14	16:35	73.9	65.3	67.7			
22-Jul-14	16:40	70.4	63.8	65.1	74.3	65.0	67.6
22-Jul-14	16:45	74.6	64.4	66.5			
22-Jul-14	16:50	74.0	65.9	69.6			
22-Jul-14	16:55	79.9	65.7	68.6			
22-Jul-14	17:00	74.3	65.9	68.8			
22-Jul-14	17:05	81.8	66.4	68.8			
22-Jul-14	17:10	74.9	67.0	68.2	76.9	66.3	68.4
22-Jul-14	17:15	80.1	66.8	68.6			
22-Jul-14	17:20	78.3	66.1	68.1			
22-Jul-14	17:25	72.0	65.4	68.1			
22-Jul-14	17:30	74.7	64.2	66.6			
22-Jul-14	17:35	76.4	65.7	68.0			
22-Jul-14	17:40	70.1	63.4	66.0	73.2	64.5	66.6
22-Jul-14	17:45	70.6	65.0	66.3			
22-Jul-14	17:50	71.2	64.8	65.9			
22-Jul-14	17:55	76.4	64.1	66.3			
22-Jul-14	18:00	69.5	61.9	64.7			
22-Jul-14	18:05	71.6	63.1	66.5			
22-Jul-14	18:10	74.9	63.3	66.0	72.4	62.9	65.5
22-Jul-14	18:15	67.2	61.8	63.6			
22-Jul-14	18:20	70.1	62.5	64.1			
22-Jul-14	18:25	81.1	64.9	67.2			
22-Jul-14	18:30	80.8	65.5	67.6			
22-Jul-14	18:35	70.3	62.3	65.1			
22-Jul-14	18:40	70.0	61.2	63.5	73.1	63.1	66.6
22-Jul-14	18:45	73.2	62.0	64.8			
22-Jul-14	18:50	70.0	63.5	67.5			
22-Jul-14	18:55	74.4	63.9	68.6			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
23-Jul-14	7:00	61.5	56.9	57.4			
23-Jul-14	7:05	72.6	58.9	59.6			
23-Jul-14	7:10	72.9	60.9	61.6	66.7	58.7	59.8
23-Jul-14	7:15	65.1	58.7	60.1			
23-Jul-14	7:20	67.3	58.8	60.3			
23-Jul-14	7:25	60.5	57.8	58.4			
23-Jul-14	7:30	63.4	58.2	59.0			
23-Jul-14	7:35	64.6	57.6	58.2			
23-Jul-14	7:40	64.2	59.0	59.8	67.8	59.1	60.6
23-Jul-14	7:45	67.6	58.7	59.8			
23-Jul-14	7:50	73.7	59.2	61.6			
23-Jul-14	7:55	73.4	61.9	63.1			
23-Jul-14	8:00	67.3	59.4	60.3			
23-Jul-14	8:05	69.6	59.8	61.9			
23-Jul-14	8:10	63.6	59.7	60.7	67.3	60.8	62.4
23-Jul-14	8:15	72.6	62.9	64.9			
23-Jul-14	8:20	64.6	61.3	62.3			
23-Jul-14	8:25	66.0	61.5	62.6			
23-Jul-14	8:30	66.0	61.8	62.9			
23-Jul-14	8:35	69.6	62.2	64.3			
23-Jul-14	8:40	68.5	63.7	65.5	73.0	63.1	66.1
23-Jul-14	8:45	74.3	64.2	66.0			
23-Jul-14	8:50	79.9	63.1	67.4			
23-Jul-14	8:55	79.5	63.7	68.2			
23-Jul-14	9:00	80.0	64.8	66.5			
23-Jul-14	9:05	74.1	63.1	65.6			
23-Jul-14	9:10	73.4	63.0	64.6	74.6	63.6	65.5
23-Jul-14	9:15	66.9	62.4	63.5			
23-Jul-14	9:20	72.9	63.5	65.6			
23-Jul-14	9:25	80.1	64.7	66.4			
23-Jul-14	9:30	79.3	64.3	69.8			
23-Jul-14	9:35	76.5	64.0	65.9			
23-Jul-14	9:40	79.5	64.9	66.6	76.1	64.2	67.0
23-Jul-14	9:45	82.3	66.7	67.9			
23-Jul-14	9:50	70.4	62.5	64.3			
23-Jul-14	9:55	68.7	63.0	64.8			
23-Jul-14	10:00	67.5	62.9	64.3			
23-Jul-14	10:05	66.9	61.9	63.0			
23-Jul-14	10:10	70.0	63.7	66.8	71.7	63.6	65.6
23-Jul-14	10:15	73.6	64.4	66.6			
23-Jul-14	10:20	78.6	64.5	66.1			
23-Jul-14	10:25	73.6	64.2	65.9			
23-Jul-14	10:30	69.0	63.7	65.4			
23-Jul-14	10:35	81.1	67.2	70.8			
23-Jul-14	10:40	67.5	63.5	65.0	72.2	63.7	66.3
23-Jul-14	10:45	71.3	61.5	62.6			
23-Jul-14	10:50	67.0	62.4	63.0			
23-Jul-14	10:55	77.3	64.0	64.9			
23-Jul-14	11:00	67.2	62.0	62.9			
23-Jul-14	11:05	91.5	68.7	82.7			
23-Jul-14	11:10	76.5	63.8	71.9	75.1	63.6	75.5
23-Jul-14	11:15	70.7	62.4	65.8			
23-Jul-14	11:20	76.4	63.0	64.0			
23-Jul-14	11:25	68.0	61.9	63.1			
23-Jul-14	11:30	81.6	65.5	66.5			
23-Jul-14	11:35	70.5	61.5	63.5			
23-Jul-14	11:40	65.7	60.1	62.1	71.1	61.1	63.7
23-Jul-14	11:45	64.0	59.1	60.2			
23-Jul-14	11:50	71.7	59.8	63.5			
23-Jul-14	11:55	73.1	60.7	63.9			
23-Jul-14	12:00	65.7	59.4	60.5			
23-Jul-14	12:05	70.7	59.4	61.7			
23-Jul-14	12:10	66.9	58.7	60.2	67.3	59.3	61.0
23-Jul-14	12:15	71.9	59.7	62.5			
23-Jul-14	12:20	63.8	58.9	60.0			
23-Jul-14	12:25	64.8	59.4	60.5			
23-Jul-14	12:30	65.9	59.6	60.6			
23-Jul-14	12:35	68.1	60.4	61.4			
23-Jul-14	12:40	70.3	60.6	61.8	71.0	61.3	63.5
23-Jul-14	12:45	71.8	60.6	63.0			
23-Jul-14	12:50	71.6	63.0	64.8			
23-Jul-14	12:55	78.1	63.5	66.5			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
23-Jul-14	13:00	70.6	60.5	61.8			
23-Jul-14	13:05	69.9	62.0	64.8			
23-Jul-14	13:10	80.6	64.8	66.4	74.0	63.6	65.7
23-Jul-14	13:15	74.1	64.7	66.3			
23-Jul-14	13:20	72.8	64.7	66.5			
23-Jul-14	13:25	76.2	65.0	66.7			
23-Jul-14	13:30	73.9	64.8	66.8			
23-Jul-14	13:35	71.8	64.1	66.0			
23-Jul-14	13:40	74.0	64.5	66.8	72.5	64.3	66.5
23-Jul-14	13:45	71.0	64.2	66.4			
23-Jul-14	13:50	69.6	63.7	65.5			
23-Jul-14	13:55	74.8	64.5	67.5			
23-Jul-14	14:00	73.1	64.6	66.8			
23-Jul-14	14:05	72.8	64.0	66.0			
23-Jul-14	14:10	66.8	62.3	63.8	72.6	64.0	66.2
23-Jul-14	14:15	70.2	63.8	65.5			
23-Jul-14	14:20	77.4	64.3	65.9			
23-Jul-14	14:25	75.0	65.0	68.2			
23-Jul-14	14:30	76.2	66.9	69.1			
23-Jul-14	14:35	70.4	64.8	66.9			
23-Jul-14	14:40	74.1	65.1	66.9	73.4	65.7	67.9
23-Jul-14	14:45	71.6	65.8	68.8			
23-Jul-14	14:50	77.6	66.8	68.2			
23-Jul-14	14:55	70.7	64.9	67.1			
23-Jul-14	15:00	67.6	65.0	65.7			
23-Jul-14	15:05	72.0	63.9	65.3			
23-Jul-14	15:10	72.9	62.6	64.7	70.3	63.5	65.6
23-Jul-14	15:15	74.1	64.9	67.9			
23-Jul-14	15:20	66.1	61.5	63.2			
23-Jul-14	15:25	69.0	62.8	65.2			
23-Jul-14	15:30	68.1	62.3	64.5			
23-Jul-14	15:35	80.2	65.1	67.1			
23-Jul-14	15:40	76.0	64.2	65.8	73.0	63.1	65.1
23-Jul-14	15:45	69.3	60.9	62.6			
23-Jul-14	15:50	73.9	62.9	64.4			
23-Jul-14	15:55	70.3	63.2	64.6			
23-Jul-14	16:00	72.6	63.0	64.6			
23-Jul-14	16:05	70.4	62.9	64.9			
23-Jul-14	16:10	70.0	64.0	65.8	71.5	63.9	66.1
23-Jul-14	16:15	68.0	63.7	65.4			
23-Jul-14	16:20	73.5	65.0	67.3			
23-Jul-14	16:25	74.2	64.6	67.7			
23-Jul-14	16:30	71.2	63.4	65.1			
23-Jul-14	16:35	72.8	63.6	65.9			
23-Jul-14	16:40	70.7	65.2	66.3	73.1	64.4	66.4
23-Jul-14	16:45	79.8	66.5	67.8			
23-Jul-14	16:50	73.7	63.7	66.6			
23-Jul-14	16:55	70.2	63.9	66.4			
23-Jul-14	17:00	72.2	64.9	67.4			
23-Jul-14	17:05	78.9	64.0	67.5			
23-Jul-14	17:10	69.2	62.7	63.9	73.7	64.6	67.3
23-Jul-14	17:15	73.2	64.2	67.1			
23-Jul-14	17:20	72.6	65.9	68.5			
23-Jul-14	17:25	76.1	66.0	68.1			
23-Jul-14	17:30	71.2	64.8	67.4			
23-Jul-14	17:35	79.0	63.9	65.7			
23-Jul-14	17:40	76.8	64.0	66.1	75.1	63.9	66.6
23-Jul-14	17:45	75.0	63.1	66.3			
23-Jul-14	17:50	77.1	64.5	67.8			
23-Jul-14	17:55	71.7	62.8	66.0			
23-Jul-14	18:00	69.3	61.6	64.4			
23-Jul-14	18:05	70.5	61.1	63.1			
23-Jul-14	18:10	69.6	61.4	63.9	69.5	60.9	63.4
23-Jul-14	18:15	72.9	61.2	64.6			
23-Jul-14	18:20	66.3	60.0	61.3			
23-Jul-14	18:25	68.2	60.0	62.3			
23-Jul-14	18:30	77.2	62.5	64.8			
23-Jul-14	18:35	71.4	60.6	63.8			
23-Jul-14	18:40	71.6	59.6	62.9	71.4	60.3	63.0
23-Jul-14	18:45	67.3	59.4	61.3			
23-Jul-14	18:50	70.6	60.0	62.4			
23-Jul-14	18:55	70.4	59.7	61.7			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
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Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
24-Jul-14	7:00	85.1	74.0	81.7			
24-Jul-14	7:05	82.3	73.0	80.4			
24-Jul-14	7:10	80.2	70.6	77.3	78.4	68.7	78.2
24-Jul-14	7:15	74.8	66.1	73.6			
24-Jul-14	7:20	74.7	64.1	73.7			
24-Jul-14	7:25	73.2	64.2	76.3			
24-Jul-14	7:30	73.9	63.4	71.5			
24-Jul-14	7:35	74.2	64.6	74.1			
24-Jul-14	7:40	74.1	63.5	73.7	76.3	65.5	76.0
24-Jul-14	7:45	78.0	66.6	78.9			
24-Jul-14	7:50	77.5	66.0	75.2			
24-Jul-14	7:55	80.0	69.1	78.2			
24-Jul-14	8:00	81.6	70.4	79.4			
24-Jul-14	8:05	81.1	69.9	79.3			
24-Jul-14	8:10	79.8	68.7	76.9	79.4	68.9	78.4
24-Jul-14	8:15	80.1	70.3	79.8			
24-Jul-14	8:20	76.2	66.1	74.6			
24-Jul-14	8:25	77.4	68.0	78.3			
24-Jul-14	8:30	78.2	69.3	77.2			
24-Jul-14	8:35	76.8	67.5	76.0			
24-Jul-14	8:40	76.7	72.2	86.9	78.2	69.1	81.8
24-Jul-14	8:45	78.7	68.6	79.7			
24-Jul-14	8:50	78.5	67.0	77.4			
24-Jul-14	8:55	80.4	69.9	82.5			
24-Jul-14	9:00	77.4	67.6	68.8			
24-Jul-14	9:05	72.8	64.6	65.6			
24-Jul-14	9:10	73.3	65.3	66.7	73.3	65.8	67.0
24-Jul-14	9:15	72.9	66.0	67.3			
24-Jul-14	9:20	74.3	66.0	67.1			
24-Jul-14	9:25	68.9	65.4	65.9			
24-Jul-14	9:30	86.3	70.9	74.0			
24-Jul-14	9:35	78.7	68.4	69.7			
24-Jul-14	9:40	81.0	68.5	69.9	80.8	68.2	70.3
24-Jul-14	9:45	80.6	67.2	68.2			
24-Jul-14	9:50	79.4	67.2	68.5			
24-Jul-14	9:55	79.0	66.9	68.3			
24-Jul-14	10:00	62.6	58.1	58.5			
24-Jul-14	10:05	66.6	58.5	59.5			
24-Jul-14	10:10	62.0	58.4	58.8	62.7	58.3	58.8
24-Jul-14	10:15	61.0	58.1	58.4			
24-Jul-14	10:20	61.4	58.1	58.6			
24-Jul-14	10:25	62.5	58.3	59.1			
24-Jul-14	10:30	63.9	58.5	59.7			
24-Jul-14	10:35	62.2	58.7	59.3			
24-Jul-14	10:40	62.4	58.7	59.2	64.9	58.9	60.1
24-Jul-14	10:45	68.5	59.8	60.7			
24-Jul-14	10:50	69.6	59.1	62.0			
24-Jul-14	10:55	62.5	58.4	58.9			
24-Jul-14	11:00	71.2	63.5	64.3			
24-Jul-14	11:05	79.3	66.1	68.4			
24-Jul-14	11:10	72.4	65.2	66.9	72.0	64.6	66.3
24-Jul-14	11:15	68.8	65.5	66.8			
24-Jul-14	11:20	72.3	63.5	65.3			
24-Jul-14	11:25	67.8	63.5	64.5			
24-Jul-14	11:30	81.5	66.9	68.3			
24-Jul-14	11:35	68.3	64.8	65.6			
24-Jul-14	11:40	71.2	67.0	68.2	75.0	65.5	67.4
24-Jul-14	11:45	73.0	63.9	66.4			
24-Jul-14	11:50	74.0	64.3	66.1			
24-Jul-14	11:55	81.9	66.3	68.7			
24-Jul-14	12:00	73.4	62.8	65.4			
24-Jul-14	12:05	68.9	62.4	64.5			
24-Jul-14	12:10	73.3	61.5	64.8	72.0	62.2	66.5
24-Jul-14	12:15	81.1	63.5	70.7			
24-Jul-14	12:20	65.4	60.7	63.1			
24-Jul-14	12:25	69.9	62.2	65.6			
24-Jul-14	12:30	81.1	68.1	79.0			
24-Jul-14	12:35	88.2	71.7	84.0			
24-Jul-14	12:40	68.7	60.0	62.4	74.2	63.8	77.5
24-Jul-14	12:45	64.6	59.8	60.7			
24-Jul-14	12:50	66.3	60.2	61.4			
24-Jul-14	12:55	76.0	63.0	64.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
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Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
24-Jul-14	13:00	69.3	61.4	63.1			
24-Jul-14	13:05	71.3	62.0	63.3			
24-Jul-14	13:10	80.5	67.9	68.6	77.0	67.6	74.4
24-Jul-14	13:15	79.7	70.7	75.8			
24-Jul-14	13:20	80.2	72.7	78.5			
24-Jul-14	13:25	81.0	70.6	76.4			
24-Jul-14	13:30	79.8	67.1	72.0			
24-Jul-14	13:35	80.5	67.4	72.2			
24-Jul-14	13:40	78.8	67.6	73.0	78.4	66.3	71.2
24-Jul-14	13:45	74.9	65.1	67.9			
24-Jul-14	13:50	76.0	65.2	69.5			
24-Jul-14	13:55	80.4	65.3	70.5			
24-Jul-14	14:00	78.5	65.7	70.8			
24-Jul-14	14:05	78.6	66.0	71.3			
24-Jul-14	14:10	73.8	63.8	67.7	75.0	64.4	68.8
24-Jul-14	14:15	70.7	62.3	63.6			
24-Jul-14	14:20	70.6	63.8	65.4			
24-Jul-14	14:25	77.7	64.8	69.1			
24-Jul-14	14:30	77.8	64.7	68.9			
24-Jul-14	14:35	79.2	67.0	70.8			
24-Jul-14	14:40	74.4	64.9	68.4	76.7	65.9	71.0
24-Jul-14	14:45	72.1	63.7	66.5			
24-Jul-14	14:50	79.4	68.5	74.5			
24-Jul-14	14:55	77.1	66.7	72.0			
24-Jul-14	15:00	70.3	62.8	65.7			
24-Jul-14	15:05	74.8	65.2	69.1			
24-Jul-14	15:10	77.2	67.9	70.4	73.7	64.1	67.3
24-Jul-14	15:15	78.4	65.1	66.5			
24-Jul-14	15:20	72.4	61.7	64.1			
24-Jul-14	15:25	69.2	62.1	64.3			
24-Jul-14	15:30	75.3	63.6	66.7			
24-Jul-14	15:35	80.6	67.1	68.9			
24-Jul-14	15:40	70.9	63.7	66.3	76.3	65.1	67.9
24-Jul-14	15:45	76.7	66.0	69.1			
24-Jul-14	15:50	75.3	63.9	66.3			
24-Jul-14	15:55	79.0	66.1	69.1			
24-Jul-14	16:00	69.6	63.7	65.7			
24-Jul-14	16:05	82.2	66.3	69.1			
24-Jul-14	16:10	75.0	65.3	68.6	73.0	64.4	67.4
24-Jul-14	16:15	73.1	64.4	68.0			
24-Jul-14	16:20	67.0	62.7	64.8			
24-Jul-14	16:25	71.0	63.7	66.3			
24-Jul-14	16:30	69.1	64.4	66.4			
24-Jul-14	16:35	80.7	66.2	68.4			
24-Jul-14	16:40	76.0	65.0	70.0	73.0	64.5	67.4
24-Jul-14	16:45	70.0	63.8	66.1			
24-Jul-14	16:50	71.4	63.6	65.7			
24-Jul-14	16:55	71.0	63.9	65.9			
24-Jul-14	17:00	81.8	66.7	69.1			
24-Jul-14	17:05	82.2	65.4	68.5			
24-Jul-14	17:10	69.8	62.8	64.2	75.0	63.6	66.5
24-Jul-14	17:15	76.3	63.0	65.7			
24-Jul-14	17:20	68.1	61.7	63.5			
24-Jul-14	17:25	72.0	62.1	64.4			
24-Jul-14	17:30	73.6	62.7	66.2			
24-Jul-14	17:35	74.4	63.8	66.6			
24-Jul-14	17:40	73.7	61.7	64.0	71.3	61.4	64.4
24-Jul-14	17:45	66.0	59.6	61.5			
24-Jul-14	17:50	71.8	60.6	63.7			
24-Jul-14	17:55	68.3	59.7	62.3			
24-Jul-14	18:00	72.8	61.9	64.2			
24-Jul-14	18:05	76.9	61.1	65.7			
24-Jul-14	18:10	76.8	61.9	65.4	74.7	62.3	66.4
24-Jul-14	18:15	72.6	61.7	64.5			
24-Jul-14	18:20	77.1	62.0	66.1			
24-Jul-14	18:25	71.7	65.1	69.7			
24-Jul-14	18:30	80.7	65.1	69.6			
24-Jul-14	18:35	72.8	64.9	67.2			
24-Jul-14	18:40	70.7	61.9	63.3	74.3	62.8	65.8
24-Jul-14	18:45	73.2	62.0	63.8			
24-Jul-14	18:50	70.8	60.7	61.7			
24-Jul-14	18:55	77.4	62.0	64.1			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jul-14	7:00	64.3	56.7	57.4			
25-Jul-14	7:05	65.9	58.1	59.7			
25-Jul-14	7:10	68.7	57.4	59.6	63.0	56.9	58.1
25-Jul-14	7:15	58.3	55.8	56.1			
25-Jul-14	7:20	61.5	56.9	57.6			
25-Jul-14	7:25	59.5	56.6	57.1			
25-Jul-14	7:30	59.1	56.6	57.0			
25-Jul-14	7:35	58.2	56.6	57.0			
25-Jul-14	7:40	64.4	57.5	58.7	65.6	59.1	60.7
25-Jul-14	7:45	74.0	62.5	62.9			
25-Jul-14	7:50	73.1	63.3	63.9			
25-Jul-14	7:55	64.6	57.9	59.2			
25-Jul-14	8:00	66.2	60.1	61.9			
25-Jul-14	8:05	66.7	58.7	60.7			
25-Jul-14	8:10	73.9	60.7	65.1	72.2	62.1	65.7
25-Jul-14	8:15	79.1	63.2	67.2			
25-Jul-14	8:20	68.2	63.5	65.2			
25-Jul-14	8:25	79.3	66.5	68.8			
25-Jul-14	8:30	66.8	60.1	61.4			
25-Jul-14	8:35	63.8	60.1	61.2			
25-Jul-14	8:40	72.7	63.7	68.8	70.9	63.3	67.7
25-Jul-14	8:45	71.9	64.4	68.4			
25-Jul-14	8:50	70.8	63.9	66.6			
25-Jul-14	8:55	79.5	67.4	71.3			
25-Jul-14	9:00	79.6	66.8	72.0			
25-Jul-14	9:05	77.2	63.3	68.1			
25-Jul-14	9:10	79.4	65.1	68.0	78.5	65.4	69.5
25-Jul-14	9:15	76.3	64.3	68.6			
25-Jul-14	9:20	78.2	65.8	67.8			
25-Jul-14	9:25	80.0	67.3	70.6			
25-Jul-14	9:30	74.6	65.6	69.2			
25-Jul-14	9:35	82.2	66.9	68.7			
25-Jul-14	9:40	77.7	64.9	66.0	74.3	64.1	66.7
25-Jul-14	9:45	71.0	62.5	64.3			
25-Jul-14	9:50	66.7	61.9	63.5			
25-Jul-14	9:55	73.3	62.6	65.6			
25-Jul-14	10:00	72.5	62.8	65.1			
25-Jul-14	10:05	73.9	64.5	68.3			
25-Jul-14	10:10	73.4	65.0	69.3	76.7	66.2	71.4
25-Jul-14	10:15	78.8	68.1	73.3			
25-Jul-14	10:20	80.7	69.6	75.2			
25-Jul-14	10:25	81.1	67.3	70.1			
25-Jul-14	10:30	70.5	63.2	65.2			
25-Jul-14	10:35	71.1	62.6	64.5			
25-Jul-14	10:40	76.8	65.8	70.9	75.8	65.2	70.3
25-Jul-14	10:45	80.8	66.9	73.2			
25-Jul-14	10:50	77.5	65.9	70.8			
25-Jul-14	10:55	77.8	66.6	71.0			
25-Jul-14	11:00	79.8	68.0	71.7			
25-Jul-14	11:05	73.1	63.8	67.5			
25-Jul-14	11:10	65.6	61.6	62.5	74.7	65.0	68.5
25-Jul-14	11:15	81.8	66.8	68.3			
25-Jul-14	11:20	73.8	65.0	68.3			
25-Jul-14	11:25	73.9	64.8	68.1			
25-Jul-14	11:30	81.7	66.5	69.3			
25-Jul-14	11:35	76.4	66.1	69.4			
25-Jul-14	11:40	71.9	62.2	64.1	74.0	63.6	67.0
25-Jul-14	11:45	65.8	60.1	60.9			
25-Jul-14	11:50	79.8	66.5	68.6			
25-Jul-14	11:55	68.6	60.4	62.4			
25-Jul-14	12:00	72.0	60.7	63.3			
25-Jul-14	12:05	65.6	59.5	61.0			
25-Jul-14	12:10	63.7	59.3	60.3	67.9	59.8	62.1
25-Jul-14	12:15	62.5	58.5	59.0			
25-Jul-14	12:20	72.4	59.8	63.4			
25-Jul-14	12:25	71.0	61.2	63.5			
25-Jul-14	12:30	65.8	60.6	62.3			
25-Jul-14	12:35	64.6	59.5	60.4			
25-Jul-14	12:40	68.6	59.7	61.6	68.0	60.3	61.8
25-Jul-14	12:45	68.9	60.4	61.4			
25-Jul-14	12:50	66.6	60.3	61.9			
25-Jul-14	12:55	73.6	61.3	63.0			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jul-14	13:00	67.5	60.4	62.2			
25-Jul-14	13:05	77.0	62.4	63.9			
25-Jul-14	13:10	68.2	62.0	63.2	73.6	63.7	66.7
25-Jul-14	13:15	77.0	66.1	69.0			
25-Jul-14	13:20	81.4	66.9	69.7			
25-Jul-14	13:25	70.7	64.1	66.3			
25-Jul-14	13:30	74.9	63.8	65.1			
25-Jul-14	13:35	75.5	65.6	70.2			
25-Jul-14	13:40	74.6	67.5	71.0	76.3	67.3	71.7
25-Jul-14	13:45	76.2	68.9	72.5			
25-Jul-14	13:50	76.2	68.3	72.7			
25-Jul-14	13:55	80.6	69.9	74.2			
25-Jul-14	14:00	75.4	67.9	72.5			
25-Jul-14	14:05	72.1	65.6	67.8			
25-Jul-14	14:10	74.1	64.2	65.4	74.1	65.9	69.0
25-Jul-14	14:15	83.2	68.4	70.7			
25-Jul-14	14:20	69.5	65.1	66.9			
25-Jul-14	14:25	70.5	64.3	66.0			
25-Jul-14	14:30	74.1	66.3	68.0			
25-Jul-14	14:35	68.3	64.3	65.2			
25-Jul-14	14:40	80.8	66.0	67.6	75.3	64.9	67.2
25-Jul-14	14:45	77.9	65.3	68.2			
25-Jul-14	14:50	69.2	61.8	63.5			
25-Jul-14	14:55	81.4	65.7	68.6			
25-Jul-14	15:00	81.8	63.1	67.9			
25-Jul-14	15:05	82.3	65.6	67.7			
25-Jul-14	15:10	69.9	63.3	65.0	75.2	64.5	67.2
25-Jul-14	15:15	77.1	67.0	69.3			
25-Jul-14	15:20	69.6	64.0	65.8			
25-Jul-14	15:25	70.6	63.7	65.7			
25-Jul-14	15:30	69.7	63.4	65.6			
25-Jul-14	15:35	73.7	65.8	69.1			
25-Jul-14	15:40	77.2	66.6	70.1	74.4	65.2	68.5
25-Jul-14	15:45	71.4	64.1	67.5			
25-Jul-14	15:50	79.6	66.9	69.4			
25-Jul-14	15:55	74.5	64.6	68.0			
25-Jul-14	16:00	71.6	62.1	63.8			
25-Jul-14	16:05	69.8	63.0	65.9			
25-Jul-14	16:10	68.9	63.1	65.0	73.3	65.2	71.0
25-Jul-14	16:15	75.3	66.9	72.2			
25-Jul-14	16:20	75.9	66.5	71.4			
25-Jul-14	16:25	78.5	69.4	75.5			
25-Jul-14	16:30	75.3	66.0	70.6			
25-Jul-14	16:35	78.6	68.9	73.7			
25-Jul-14	16:40	80.5	69.3	73.8	76.4	66.8	71.7
25-Jul-14	16:45	77.0	68.0	72.6			
25-Jul-14	16:50	72.2	64.9	68.4			
25-Jul-14	16:55	74.8	63.6	66.9			
25-Jul-14	17:00	68.4	61.9	63.3			
25-Jul-14	17:05	67.7	62.0	63.8			
25-Jul-14	17:10	70.4	61.7	64.3	69.9	62.1	64.2
25-Jul-14	17:15	74.1	63.3	65.2			
25-Jul-14	17:20	69.4	61.9	63.8			
25-Jul-14	17:25	69.1	61.6	64.5			
25-Jul-14	17:30	69.9	62.7	65.0			
25-Jul-14	17:35	70.3	62.5	65.6			
25-Jul-14	17:40	80.5	63.4	67.0	73.4	62.8	66.3
25-Jul-14	17:45	68.6	61.7	64.9			
25-Jul-14	17:50	71.4	62.4	64.7			
25-Jul-14	17:55	79.4	64.3	68.8			
25-Jul-14	18:00	67.9	61.2	63.9			
25-Jul-14	18:05	72.2	63.0	66.2			
25-Jul-14	18:10	67.9	59.6	62.5	70.9	61.2	64.3
25-Jul-14	18:15	78.5	63.4	66.2			
25-Jul-14	18:20	66.9	60.1	62.1			
25-Jul-14	18:25	72.0	59.8	62.9			
25-Jul-14	18:30	69.6	61.4	65.2			
25-Jul-14	18:35	70.1	60.6	63.3			
25-Jul-14	18:40	70.8	60.9	64.1	69.1	60.2	63.4
25-Jul-14	18:45	70.7	60.2	63.2			
25-Jul-14	18:50	66.2	59.0	61.4			
25-Jul-14	18:55	66.9	59.3	61.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
26-Jul-14	7:00	61.9	57.2	57.6			
26-Jul-14	7:05	66.2	58.4	60.9			
26-Jul-14	7:10	64.6	58.7	59.3	63.8	57.8	59.1
26-Jul-14	7:15	67.0	58.0	59.8			
26-Jul-14	7:20	62.4	57.2	57.8			
26-Jul-14	7:25	60.5	57.4	57.9			
26-Jul-14	7:30	61.8	57.6	58.0			
26-Jul-14	7:35	64.5	57.3	57.9			
26-Jul-14	7:40	63.3	58.4	59.4	65.4	58.5	59.8
26-Jul-14	7:45	61.5	58.3	59.1			
26-Jul-14	7:50	71.5	60.0	61.3			
26-Jul-14	7:55	69.6	59.4	61.5			
26-Jul-14	8:00	66.9	60.4	61.5			
26-Jul-14	8:05	66.5	61.3	62.4			
26-Jul-14	8:10	71.5	62.3	63.8	68.4	62.0	63.3
26-Jul-14	8:15	72.0	62.9	64.7			
26-Jul-14	8:20	65.9	62.3	63.4			
26-Jul-14	8:25	67.3	62.5	63.3			
26-Jul-14	8:30	74.0	64.8	66.3			
26-Jul-14	8:35	66.9	63.9	65.2			
26-Jul-14	8:40	69.3	64.0	65.8	72.5	64.6	66.2
26-Jul-14	8:45	65.2	62.5	63.2			
26-Jul-14	8:50	80.5	65.2	66.2			
26-Jul-14	8:55	78.8	67.0	68.6			
26-Jul-14	9:00	70.5	63.3	64.4			
26-Jul-14	9:05	76.7	64.9	65.7			
26-Jul-14	9:10	67.9	63.7	64.5	76.1	65.0	66.5
26-Jul-14	9:15	82.0	65.9	67.6			
26-Jul-14	9:20	80.0	66.6	68.3			
26-Jul-14	9:25	79.4	65.7	66.8			
26-Jul-14	9:30	70.2	63.3	64.3			
26-Jul-14	9:35	69.0	63.5	64.5			
26-Jul-14	9:40	69.9	64.5	68.3	74.4	66.0	74.2
26-Jul-14	9:45	80.4	66.7	71.8			
26-Jul-14	9:50	78.4	67.5	76.6			
26-Jul-14	9:55	78.7	70.3	79.3			
26-Jul-14	10:00	69.9	64.2	70.3			
26-Jul-14	10:05	78.6	64.7	70.8			
26-Jul-14	10:10	82.2	67.1	72.1	80.3	69.5	80.7
26-Jul-14	10:15	81.4	72.4	79.7			
26-Jul-14	10:20	79.7	71.1	78.2			
26-Jul-14	10:25	89.9	77.4	87.0			
26-Jul-14	10:30	89.4	79.4	88.1			
26-Jul-14	10:35	82.9	74.5	83.7			
26-Jul-14	10:40	87.5	72.8	83.7	86.1	76.7	86.7
26-Jul-14	10:45	86.3	78.5	87.7			
26-Jul-14	10:50	84.0	76.0	86.0			
26-Jul-14	10:55	86.3	79.2	88.3			
26-Jul-14	11:00	85.5	73.7	84.5			
26-Jul-14	11:05	82.7	68.6	79.5			
26-Jul-14	11:10	79.9	68.3	77.8	81.3	68.2	78.9
26-Jul-14	11:15	78.5	66.4	73.3			
26-Jul-14	11:20	82.9	66.1	70.0			
26-Jul-14	11:25	78.1	66.1	68.5			
26-Jul-14	11:30	80.0	66.8	68.0			
26-Jul-14	11:35	76.4	63.3	65.5			
26-Jul-14	11:40	70.3	61.0	67.0	72.6	62.2	65.3
26-Jul-14	11:45	68.4	60.9	63.1			
26-Jul-14	11:50	69.4	60.4	61.7			
26-Jul-14	11:55	70.8	60.6	63.3			
26-Jul-14	12:00	68.2	61.1	62.9			
26-Jul-14	12:05	66.5	60.5	61.9			
26-Jul-14	12:10	66.0	59.7	60.8	67.5	61.2	62.6
26-Jul-14	12:15	67.3	60.4	61.8			
26-Jul-14	12:20	71.3	63.3	64.7			
26-Jul-14	12:25	65.8	62.0	62.6			
26-Jul-14	12:30	75.6	60.4	64.3			
26-Jul-14	12:35	69.0	60.1	61.5			
26-Jul-14	12:40	90.9	71.4	74.7	76.2	62.9	68.3
26-Jul-14	12:45	68.6	60.4	61.9			
26-Jul-14	12:50	75.6	62.1	63.2			
26-Jul-14	12:55	77.2	63.2	65.4			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
26-Jul-14	13:00	67.7	62.3	63.3			
26-Jul-14	13:05	71.2	63.0	64.4			
26-Jul-14	13:10	78.9	65.3	66.7	74.7	64.5	66.5
26-Jul-14	13:15	72.1	65.0	67.0			
26-Jul-14	13:20	77.4	66.2	68.6			
26-Jul-14	13:25	81.1	65.2	66.9			
26-Jul-14	13:30	72.3	64.1	65.7			
26-Jul-14	13:35	71.2	64.0	65.3			
26-Jul-14	13:40	83.6	66.9	68.7	75.7	65.1	67.1
26-Jul-14	13:45	69.8	64.1	65.9			
26-Jul-14	13:50	80.7	65.0	67.2			
26-Jul-14	13:55	76.3	66.3	68.7			
26-Jul-14	14:00	78.4	65.0	66.4			
26-Jul-14	14:05	71.5	64.6	66.8			
26-Jul-14	14:10	70.1	64.7	66.2	75.1	65.2	67.0
26-Jul-14	14:15	81.2	65.7	67.1			
26-Jul-14	14:20	77.1	65.8	68.1			
26-Jul-14	14:25	72.4	65.4	67.3			
26-Jul-14	14:30	71.9	64.7	67.5			
26-Jul-14	14:35	82.2	66.1	68.6			
26-Jul-14	14:40	77.8	65.1	66.9	75.9	65.2	67.5
26-Jul-14	14:45	82.2	66.7	67.9			
26-Jul-14	14:50	70.6	63.9	66.5			
26-Jul-14	14:55	70.8	64.7	67.2			
26-Jul-14	15:00	81.2	66.8	68.9			
26-Jul-14	15:05	79.4	65.0	68.1			
26-Jul-14	15:10	73.6	63.2	65.4	78.9	65.4	67.6
26-Jul-14	15:15	80.1	66.7	68.0			
26-Jul-14	15:20	79.5	64.9	66.1			
26-Jul-14	15:25	79.8	65.9	68.1			
26-Jul-14	15:30	80.5	67.2	69.1			
26-Jul-14	15:35	78.8	66.0	68.7			
26-Jul-14	15:40	95.9	75.1	79.7	83.3	67.8	73.5
26-Jul-14	15:45	79.2	65.8	67.5			
26-Jul-14	15:50	86.0	67.9	71.4			
26-Jul-14	15:55	79.2	64.9	66.7			
26-Jul-14	16:00	82.2	66.0	67.3			
26-Jul-14	16:05	68.9	64.2	66.5			
26-Jul-14	16:10	80.0	65.3	66.9	79.6	65.8	68.4
26-Jul-14	16:15	77.4	65.0	66.8			
26-Jul-14	16:20	82.1	66.2	68.1			
26-Jul-14	16:25	86.7	67.8	71.8			
26-Jul-14	16:30	80.0	65.9	67.2			
26-Jul-14	16:35	78.1	65.5	66.4			
26-Jul-14	16:40	80.1	68.3	69.5	80.1	66.8	68.2
26-Jul-14	16:45	80.9	67.9	68.9			
26-Jul-14	16:50	78.8	65.4	67.3			
26-Jul-14	16:55	82.7	67.5	68.9			
26-Jul-14	17:00	68.7	63.7	64.7			
26-Jul-14	17:05	80.9	65.4	67.6			
26-Jul-14	17:10	76.1	64.7	66.3	76.4	65.4	67.3
26-Jul-14	17:15	79.5	66.6	68.0			
26-Jul-14	17:20	83.5	68.8	70.0			
26-Jul-14	17:25	69.9	62.9	64.9			
26-Jul-14	17:30	76.5	64.5	68.4			
26-Jul-14	17:35	73.5	63.6	66.6			
26-Jul-14	17:40	76.9	62.9	65.7	76.7	63.2	67.2
26-Jul-14	17:45	72.1	60.9	63.7			
26-Jul-14	17:50	78.2	62.2	68.3			
26-Jul-14	17:55	82.8	64.8	68.5			
26-Jul-14	18:00	73.1	60.2	62.2			
26-Jul-14	18:05	71.8	60.7	63.0			
26-Jul-14	18:10	69.5	61.4	62.9	72.6	61.6	64.4
26-Jul-14	18:15	73.1	61.0	64.1			
26-Jul-14	18:20	74.6	62.6	65.5			
26-Jul-14	18:25	73.6	63.6	66.7			
26-Jul-14	18:30	83.0	67.3	69.3			
26-Jul-14	18:35	69.7	61.7	64.4			
26-Jul-14	18:40	64.4	58.7	60.2	71.4	62.2	65.9
26-Jul-14	18:45	70.5	60.5	63.9			
26-Jul-14	18:50	70.7	63.8	67.8			
26-Jul-14	18:55	69.9	61.2	64.2			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
27-Jul-14	7:00	81.7	74.0	85.1			
27-Jul-14	7:05	80.4	73.0	82.3			
27-Jul-14	7:10	77.3	70.6	80.2	77.2	68.7	80.5
27-Jul-14	7:15	73.6	66.1	74.8			
27-Jul-14	7:20	73.7	64.1	74.7			
27-Jul-14	7:25	76.3	64.2	73.2			
27-Jul-14	7:30	71.5	63.4	73.9			
27-Jul-14	7:35	74.1	64.6	74.2			
27-Jul-14	7:40	73.7	63.5	74.1	75.3	65.5	76.9
27-Jul-14	7:45	78.9	66.6	78.0			
27-Jul-14	7:50	75.2	66.0	77.5			
27-Jul-14	7:55	78.2	69.1	80.0			
27-Jul-14	8:00	79.4	70.4	81.6			
27-Jul-14	8:05	79.3	69.9	81.1			
27-Jul-14	8:10	76.9	68.7	79.8	78.1	68.9	79.8
27-Jul-14	8:15	79.8	70.3	80.1			
27-Jul-14	8:20	74.6	66.1	76.2			
27-Jul-14	8:25	78.3	68.0	77.4			
27-Jul-14	8:30	77.2	69.3	78.2			
27-Jul-14	8:35	76.0	67.5	76.8			
27-Jul-14	8:40	86.9	72.2	76.7	80.0	69.1	78.4
27-Jul-14	8:45	79.7	68.6	78.7			
27-Jul-14	8:50	77.4	67.0	78.5			
27-Jul-14	8:55	82.5	69.9	80.4			
27-Jul-14	9:00	83.8	70.7	80.3			
27-Jul-14	9:05	79.7	70.2	81.8			
27-Jul-14	9:10	84.9	72.4	82.3	82.1	69.8	80.1
27-Jul-14	9:15	81.6	68.3	78.7			
27-Jul-14	9:20	83.3	69.8	77.5			
27-Jul-14	9:25	79.2	67.6	77.1			
27-Jul-14	9:30	83.1	69.2	76.0			
27-Jul-14	9:35	72.1	64.6	71.9			
27-Jul-14	9:40	78.8	68.4	72.0	78.9	67.8	72.4
27-Jul-14	9:45	83.5	71.1	72.3			
27-Jul-14	9:50	73.7	65.5	68.4			
27-Jul-14	9:55	82.1	67.8	69.4			
27-Jul-14	10:00	81.1	66.6	67.8			
27-Jul-14	10:05	70.7	64.0	65.9			
27-Jul-14	10:10	85.8	69.4	71.2	79.1	66.7	69.4
27-Jul-14	10:15	78.6	68.2	71.0			
27-Jul-14	10:20	78.3	67.0	69.4			
27-Jul-14	10:25	79.9	65.0	68.7			
27-Jul-14	10:30	76.7	64.8	65.7			
27-Jul-14	10:35	64.1	61.5	62.2			
27-Jul-14	10:40	81.0	64.8	66.2	75.5	64.3	66.1
27-Jul-14	10:45	71.6	62.4	64.8			
27-Jul-14	10:50	77.8	64.2	66.6			
27-Jul-14	10:55	82.0	68.0	68.6			
27-Jul-14	11:00	80.8	67.7	69.9			
27-Jul-14	11:05	75.6	65.9	68.7			
27-Jul-14	11:10	75.7	66.8	69.7	77.8	66.6	69.4
27-Jul-14	11:15	74.4	66.1	69.1			
27-Jul-14	11:20	81.5	68.5	70.7			
27-Jul-14	11:25	78.9	64.4	68.1			
27-Jul-14	11:30	71.7	63.0	66.1			
27-Jul-14	11:35	71.7	60.5	62.1			
27-Jul-14	11:40	71.3	60.0	62.6	67.9	60.6	62.7
27-Jul-14	11:45	64.7	62.0	62.5			
27-Jul-14	11:50	65.1	59.9	60.8			
27-Jul-14	11:55	63.1	58.1	58.8			
27-Jul-14	12:00	68.2	59.3	62.2			
27-Jul-14	12:05	71.7	59.0	62.0			
27-Jul-14	12:10	70.0	59.8	62.5	68.1	59.1	61.2
27-Jul-14	12:15	62.3	58.2	59.1			
27-Jul-14	12:20	66.0	58.7	59.7			
27-Jul-14	12:25	70.1	59.4	60.9			
27-Jul-14	12:30	69.8	59.0	60.5			
27-Jul-14	12:35	66.6	59.7	61.2			
27-Jul-14	12:40	68.4	58.8	60.3	69.9	60.7	63.5
27-Jul-14	12:45	63.5	59.4	60.4			
27-Jul-14	12:50	68.3	59.7	61.7			
27-Jul-14	12:55	83.0	67.5	68.7			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
27-Jul-14	13:00	76.9	64.4	65.7			
27-Jul-14	13:05	75.8	65.0	67.1			
27-Jul-14	13:10	69.6	63.8	65.7	74.2	64.8	67.0
27-Jul-14	13:15	83.8	68.4	70.1			
27-Jul-14	13:20	69.3	63.3	65.4			
27-Jul-14	13:25	70.0	63.6	65.7			
27-Jul-14	13:30	71.6	64.3	67.4			
27-Jul-14	13:35	76.2	65.7	69.3			
27-Jul-14	13:40	75.2	65.4	68.1	73.8	64.6	67.4
27-Jul-14	13:45	70.4	61.8	62.8			
27-Jul-14	13:50	77.7	64.1	66.3			
27-Jul-14	13:55	71.4	66.5	68.1			
27-Jul-14	14:00	72.6	64.4	67.3			
27-Jul-14	14:05	81.3	67.2	68.9			
27-Jul-14	14:10	70.9	64.2	66.4	74.3	65.3	68.0
27-Jul-14	14:15	74.7	66.3	69.2			
27-Jul-14	14:20	73.8	64.6	67.3			
27-Jul-14	14:25	72.4	65.3	68.5			
27-Jul-14	14:30	73.4	62.1	63.7			
27-Jul-14	14:35	69.3	61.8	63.8			
27-Jul-14	14:40	76.4	63.9	66.9	73.8	64.0	66.7
27-Jul-14	14:45	73.0	63.1	65.0			
27-Jul-14	14:50	79.0	67.9	69.8			
27-Jul-14	14:55	71.6	65.2	67.5			
27-Jul-14	15:00	72.5	65.8	68.6			
27-Jul-14	15:05	72.8	64.7	68.1			
27-Jul-14	15:10	71.5	62.3	64.2	71.1	63.1	66.0
27-Jul-14	15:15	70.4	62.0	64.0			
27-Jul-14	15:20	73.1	62.0	64.7			
27-Jul-14	15:25	66.0	61.8	62.9			
27-Jul-14	15:30	71.8	62.8	65.0			
27-Jul-14	15:35	70.5	61.4	62.8			
27-Jul-14	15:40	69.8	61.8	63.6	74.2	65.2	68.1
27-Jul-14	15:45	85.1	69.1	70.1			
27-Jul-14	15:50	75.4	68.2	70.9			
27-Jul-14	15:55	72.7	67.7	69.4			
27-Jul-14	16:00	74.0	67.2	68.7			
27-Jul-14	16:05	72.7	67.9	70.0			
27-Jul-14	16:10	72.8	67.9	69.8	74.0	66.5	69.1
27-Jul-14	16:15	82.1	70.4	71.7			
27-Jul-14	16:20	71.3	62.7	65.9			
27-Jul-14	16:25	71.0	63.0	65.4			
27-Jul-14	16:30	79.6	65.4	67.5			
27-Jul-14	16:35	78.9	65.0	66.7			
27-Jul-14	16:40	69.8	64.0	64.7	78.2	66.1	67.9
27-Jul-14	16:45	77.2	66.9	68.4			
27-Jul-14	16:50	81.5	67.5	68.5			
27-Jul-14	16:55	82.2	67.8	69.9			
27-Jul-14	17:00	71.9	65.0	66.4			
27-Jul-14	17:05	73.4	65.1	67.3			
27-Jul-14	17:10	83.4	68.2	70.0	76.4	65.6	67.7
27-Jul-14	17:15	80.9	66.1	67.7			
27-Jul-14	17:20	71.5	63.9	66.4			
27-Jul-14	17:25	77.2	65.3	67.1			
27-Jul-14	17:30	70.4	63.5	66.1			
27-Jul-14	17:35	75.7	65.2	67.7			
27-Jul-14	17:40	72.6	63.8	66.2	74.5	64.0	66.7
27-Jul-14	17:45	77.2	64.3	67.4			
27-Jul-14	17:50	80.0	64.1	67.4			
27-Jul-14	17:55	71.2	62.9	64.8			
27-Jul-14	18:00	68.5	62.3	63.7			
27-Jul-14	18:05	70.9	65.6	67.3			
27-Jul-14	18:10	76.6	65.2	67.8	72.4	62.7	65.5
27-Jul-14	18:15	70.1	59.8	62.4			
27-Jul-14	18:20	74.6	62.0	64.7			
27-Jul-14	18:25	73.4	61.0	64.3			
27-Jul-14	18:30	72.5	60.0	63.6			
27-Jul-14	18:35	72.0	61.1	63.9			
27-Jul-14	18:40	66.9	59.2	60.5	70.9	60.2	63.5
27-Jul-14	18:45	72.0	61.4	65.7			
27-Jul-14	18:50	71.9	59.6	62.6			
27-Jul-14	18:55	70.3	60.0	62.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
28-Jul-14	7:00	61.6	57.4	58.1			
28-Jul-14	7:05	65.8	58.7	60.4			
28-Jul-14	7:10	61.0	58.5	58.9	68.7	60.2	63.4
28-Jul-14	7:15	67.2	58.3	60.0			
28-Jul-14	7:20	74.7	63.4	65.5			
28-Jul-14	7:25	81.8	65.0	67.9			
28-Jul-14	7:30	66.0	58.1	58.6			
28-Jul-14	7:35	65.9	57.5	58.1			
28-Jul-14	7:40	62.2	58.5	59.4	67.3	59.5	61.5
28-Jul-14	7:45	81.5	65.0	66.4			
28-Jul-14	7:50	64.5	58.7	59.9			
28-Jul-14	7:55	63.9	59.0	59.8			
28-Jul-14	8:00	62.2	58.5	59.2			
28-Jul-14	8:05	74.5	62.3	64.3			
28-Jul-14	8:10	69.5	60.6	62.1	70.4	61.8	63.7
28-Jul-14	8:15	70.7	61.6	63.0			
28-Jul-14	8:20	73.5	64.5	66.2			
28-Jul-14	8:25	72.2	63.4	64.3			
28-Jul-14	8:30	65.3	63.0	63.8			
28-Jul-14	8:35	78.1	65.8	67.9			
28-Jul-14	8:40	80.6	67.0	69.0	73.9	65.1	67.3
28-Jul-14	8:45	66.4	63.3	64.2			
28-Jul-14	8:50	77.3	65.2	66.9			
28-Jul-14	8:55	75.4	66.1	69.3			
28-Jul-14	9:00	78.9	66.6	68.9			
28-Jul-14	9:05	70.3	63.6	65.2			
28-Jul-14	9:10	79.9	66.5	68.0	76.8	65.9	68.0
28-Jul-14	9:15	73.7	64.2	66.1			
28-Jul-14	9:20	79.7	66.8	68.6			
28-Jul-14	9:25	78.2	67.4	69.7			
28-Jul-14	9:30	71.8	66.6	69.3			
28-Jul-14	9:35	71.7	66.7	69.7			
28-Jul-14	9:40	77.7	67.7	70.5	74.6	65.8	68.8
28-Jul-14	9:45	75.8	65.2	68.5			
28-Jul-14	9:50	74.5	63.6	66.3			
28-Jul-14	9:55	76.1	65.1	67.1			
28-Jul-14	10:00	78.8	64.7	67.0			
28-Jul-14	10:05	79.9	65.3	66.8			
28-Jul-14	10:10	72.5	63.0	63.9	75.1	64.6	66.5
28-Jul-14	10:15	69.9	63.9	65.8			
28-Jul-14	10:20	68.7	63.5	65.1			
28-Jul-14	10:25	80.7	67.4	68.6			
28-Jul-14	10:30	80.7	65.6	66.9			
28-Jul-14	10:35	70.8	63.3	64.7			
28-Jul-14	10:40	79.0	65.4	67.0	77.2	65.5	67.5
28-Jul-14	10:45	79.0	66.8	69.3			
28-Jul-14	10:50	76.9	66.4	68.8			
28-Jul-14	10:55	77.0	65.3	67.1			
28-Jul-14	11:00	79.8	66.3	67.9			
28-Jul-14	11:05	78.5	65.0	66.6			
28-Jul-14	11:10	69.8	63.0	64.2	76.9	64.9	66.7
28-Jul-14	11:15	70.6	63.5	65.4			
28-Jul-14	11:20	81.7	65.8	67.3			
28-Jul-14	11:25	80.7	66.0	67.5			
28-Jul-14	11:30	70.9	61.9	63.2			
28-Jul-14	11:35	66.8	60.9	61.7			
28-Jul-14	11:40	70.3	61.0	67.0	69.4	61.0	63.8
28-Jul-14	11:45	68.4	60.9	63.1			
28-Jul-14	11:50	69.4	60.4	61.7			
28-Jul-14	11:55	70.8	60.6	63.3			
28-Jul-14	12:00	68.2	61.1	62.9			
28-Jul-14	12:05	66.5	60.5	61.9			
28-Jul-14	12:10	66.0	59.7	60.8	67.5	61.2	62.6
28-Jul-14	12:15	67.3	60.4	61.8			
28-Jul-14	12:20	71.3	63.3	64.7			
28-Jul-14	12:25	65.8	62.0	62.6			
28-Jul-14	12:30	75.6	60.4	64.3			
28-Jul-14	12:35	69.0	60.1	61.5			
28-Jul-14	12:40	90.9	71.4	74.7	76.2	62.9	68.3
28-Jul-14	12:45	68.6	60.4	61.9			
28-Jul-14	12:50	75.6	62.1	63.2			
28-Jul-14	12:55	77.2	63.2	65.4			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
28-Jul-14	13:00	85.3	71.9	84.2			
28-Jul-14	13:05	86.9	72.9	85.6			
28-Jul-14	13:10	87.4	72.9	84.9	84.6	71.9	84.3
28-Jul-14	13:15	83.9	73.1	85.4			
28-Jul-14	13:20	83.4	71.1	82.9			
28-Jul-14	13:25	80.8	69.7	81.3			
28-Jul-14	13:30	79.9	69.9	81.2			
28-Jul-14	13:35	80.7	70.6	80.6			
28-Jul-14	13:40	83.3	71.9	83.3	76.9	68.3	79.0
28-Jul-14	13:45	72.8	65.2	67.3			
28-Jul-14	13:50	71.4	65.7	67.3			
28-Jul-14	13:55	73.2	66.6	69.1			
28-Jul-14	14:00	78.8	64.4	66.9			
28-Jul-14	14:05	70.3	63.5	66.6			
28-Jul-14	14:10	70.3	64.1	66.3	79.5	69.0	84.7
28-Jul-14	14:15	80.7	65.9	70.1			
28-Jul-14	14:20	88.8	78.9	90.0			
28-Jul-14	14:25	88.1	77.2	88.7			
28-Jul-14	14:30	82.7	71.0	83.0			
28-Jul-14	14:35	80.8	70.7	82.9			
28-Jul-14	14:40	85.2	74.2	86.5	84.6	72.5	85.4
28-Jul-14	14:45	87.7	74.5	87.3			
28-Jul-14	14:50	83.0	72.3	85.1			
28-Jul-14	14:55	88.2	72.4	85.6			
28-Jul-14	15:00	82.4	72.6	83.5			
28-Jul-14	15:05	79.1	65.4	66.7			
28-Jul-14	15:10	78.4	65.7	67.6	77.0	66.7	76.2
28-Jul-14	15:15	70.3	66.5	67.2			
28-Jul-14	15:20	72.2	64.5	66.3			
28-Jul-14	15:25	79.3	65.7	68.3			
28-Jul-14	15:30	82.7	65.3	67.7			
28-Jul-14	15:35	78.8	65.5	66.4			
28-Jul-14	15:40	74.9	63.6	66.0	75.2	64.1	66.0
28-Jul-14	15:45	67.9	62.1	63.3			
28-Jul-14	15:50	78.4	65.9	67.6			
28-Jul-14	15:55	68.2	62.0	62.8			
28-Jul-14	16:00	80.1	64.7	66.4			
28-Jul-14	16:05	69.9	63.3	64.5			
28-Jul-14	16:10	79.6	65.9	68.3	76.2	64.8	67.0
28-Jul-14	16:15	78.8	65.6	67.8			
28-Jul-14	16:20	80.0	67.4	69.1			
28-Jul-14	16:25	68.5	62.0	63.4			
28-Jul-14	16:30	72.3	64.0	66.8			
28-Jul-14	16:35	76.6	63.2	67.9			
28-Jul-14	16:40	78.7	64.7	66.8	78.2	65.1	67.8
28-Jul-14	16:45	82.1	67.3	68.4			
28-Jul-14	16:50	80.8	66.8	69.4			
28-Jul-14	16:55	78.6	64.7	66.8			
28-Jul-14	17:00	80.1	65.3	67.9			
28-Jul-14	17:05	77.6	65.0	66.9			
28-Jul-14	17:10	80.9	66.5	68.0	79.1	66.1	68.7
28-Jul-14	17:15	85.9	69.3	71.4			
28-Jul-14	17:20	81.3	67.7	70.1			
28-Jul-14	17:25	69.0	62.8	64.6			
28-Jul-14	17:30	68.0	63.8	65.0			
28-Jul-14	17:35	72.6	63.8	66.6			
28-Jul-14	17:40	80.7	63.8	69.1	75.5	64.4	70.9
28-Jul-14	17:45	73.5	64.0	67.1			
28-Jul-14	17:50	69.9	63.4	66.6			
28-Jul-14	17:55	88.0	67.5	76.8			
28-Jul-14	18:00	70.2	60.3	62.6			
28-Jul-14	18:05	72.2	63.9	66.9			
28-Jul-14	18:10	80.8	62.8	65.9	73.3	62.2	65.6
28-Jul-14	18:15	72.2	62.8	66.7			
28-Jul-14	18:20	70.6	61.3	63.6			
28-Jul-14	18:25	73.5	62.3	66.0			
28-Jul-14	18:30	70.2	60.9	62.9			
28-Jul-14	18:35	69.2	61.1	64.5			
28-Jul-14	18:40	67.5	59.4	61.0	69.9	60.2	63.4
28-Jul-14	18:45	69.7	60.4	63.6			
28-Jul-14	18:50	73.1	61.0	65.2			
28-Jul-14	18:55	69.8	58.5	61.6			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
29-Jul-14	7:00	63.4	59.0	59.7			
29-Jul-14	7:05	65.2	58.9	59.6			
29-Jul-14	7:10	73.1	60.8	64.1	66.1	59.4	61.0
29-Jul-14	7:15	67.8	60.0	61.1			
29-Jul-14	7:20	64.0	59.0	59.9			
29-Jul-14	7:25	63.2	58.5	59.3			
29-Jul-14	7:30	64.9	60.2	60.7			
29-Jul-14	7:35	67.9	61.8	64.0			
29-Jul-14	7:40	73.0	61.7	64.3	68.4	60.8	62.7
29-Jul-14	7:45	66.8	60.3	61.7			
29-Jul-14	7:50	68.0	60.2	62.1			
29-Jul-14	7:55	69.8	60.4	62.3			
29-Jul-14	8:00	74.0	62.7	64.7			
29-Jul-14	8:05	74.2	63.8	66.4			
29-Jul-14	8:10	76.1	67.9	68.5	74.6	65.3	66.9
29-Jul-14	8:15	74.8	65.0	67.1			
29-Jul-14	8:20	70.6	64.9	65.7			
29-Jul-14	8:25	78.0	67.3	68.1			
29-Jul-14	8:30	78.4	66.6	67.6			
29-Jul-14	8:35	70.8	65.8	66.5			
29-Jul-14	8:40	68.0	65.5	66.1	71.0	65.2	66.1
29-Jul-14	8:45	69.8	64.9	65.6			
29-Jul-14	8:50	66.1	63.7	64.1			
29-Jul-14	8:55	73.0	64.9	65.8			
29-Jul-14	9:00	77.4	67.6	68.8			
29-Jul-14	9:05	72.8	64.6	65.6			
29-Jul-14	9:10	73.3	65.3	66.7	73.3	65.8	67.0
29-Jul-14	9:15	72.9	66.0	67.3			
29-Jul-14	9:20	74.3	66.0	67.1			
29-Jul-14	9:25	68.9	65.4	65.9			
29-Jul-14	9:30	86.3	70.9	74.0			
29-Jul-14	9:35	78.7	68.4	69.7			
29-Jul-14	9:40	81.0	68.5	69.9	80.8	68.2	70.3
29-Jul-14	9:45	80.6	67.2	68.2			
29-Jul-14	9:50	79.4	67.2	68.5			
29-Jul-14	9:55	79.0	66.9	68.3			
29-Jul-14	10:00	78.3	67.4	68.6			
29-Jul-14	10:05	79.7	69.1	69.8			
29-Jul-14	10:10	83.9	69.3	70.1	79.7	68.1	69.3
29-Jul-14	10:15	82.4	68.7	69.8			
29-Jul-14	10:20	78.8	67.9	69.4			
29-Jul-14	10:25	75.0	66.0	67.9			
29-Jul-14	10:30	81.3	68.4	69.9			
29-Jul-14	10:35	82.3	69.0	70.6			
29-Jul-14	10:40	82.2	67.9	68.7	80.6	67.7	69.2
29-Jul-14	10:45	82.9	68.1	69.5			
29-Jul-14	10:50	72.0	65.9	66.7			
29-Jul-14	10:55	82.6	66.8	68.5			
29-Jul-14	11:00	79.1	67.2	68.3			
29-Jul-14	11:05	78.7	67.9	68.9			
29-Jul-14	11:10	75.4	67.5	69.1	79.8	68.1	69.6
29-Jul-14	11:15	86.3	70.8	72.2			
29-Jul-14	11:20	81.4	69.1	70.3			
29-Jul-14	11:25	78.0	66.0	66.8			
29-Jul-14	11:30	80.6	67.5	68.5			
29-Jul-14	11:35	82.1	67.9	68.8			
29-Jul-14	11:40	78.5	66.9	67.7	78.1	66.5	67.6
29-Jul-14	11:45	73.7	65.3	65.8			
29-Jul-14	11:50	72.8	65.0	66.5			
29-Jul-14	11:55	80.6	66.2	67.5			
29-Jul-14	12:00	66.8	65.0	65.4			
29-Jul-14	12:05	70.5	63.7	64.7			
29-Jul-14	12:10	81.7	65.5	66.6	73.9	65.4	66.8
29-Jul-14	12:15	69.4	64.5	65.4			
29-Jul-14	12:20	72.1	67.5	69.9			
29-Jul-14	12:25	82.7	65.9	66.6			
29-Jul-14	12:30	70.5	62.5	63.6			
29-Jul-14	12:35	71.3	63.8	67.3			
29-Jul-14	12:40	70.2	64.0	66.6	72.6	63.6	65.6
29-Jul-14	12:45	80.9	65.2	66.1			
29-Jul-14	12:50	73.8	63.4	64.8			
29-Jul-14	12:55	68.9	62.6	63.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
29-Jul-14	13:00	73.9	65.3	67.5			
29-Jul-14	13:05	68.0	63.6	64.3			
29-Jul-14	13:10	82.1	66.4	68.0	74.9	64.3	68.6
29-Jul-14	13:15	76.2	64.8	66.1			
29-Jul-14	13:20	77.5	66.0	73.7			
29-Jul-14	13:25	71.8	59.6	61.4			
29-Jul-14	13:30	75.8	62.5	64.3			
29-Jul-14	13:35	71.0	60.3	62.8			
29-Jul-14	13:40	69.6	60.6	62.5	73.0	61.3	63.7
29-Jul-14	13:45	69.9	61.1	63.3			
29-Jul-14	13:50	80.4	62.8	65.4			
29-Jul-14	13:55	71.4	60.5	63.2			
29-Jul-14	14:00	67.1	59.8	61.5			
29-Jul-14	14:05	69.7	62.9	64.7			
29-Jul-14	14:10	69.1	63.2	64.4	69.3	61.4	63.4
29-Jul-14	14:15	68.0	61.2	62.5			
29-Jul-14	14:20	69.3	60.5	62.8			
29-Jul-14	14:25	72.5	60.7	63.6			
29-Jul-14	14:30	67.3	59.8	61.6			
29-Jul-14	14:35	66.6	59.3	60.2			
29-Jul-14	14:40	76.0	61.2	65.5	71.5	62.7	66.0
29-Jul-14	14:45	70.3	62.3	63.9			
29-Jul-14	14:50	75.8	67.0	69.1			
29-Jul-14	14:55	72.8	66.3	68.5			
29-Jul-14	15:00	75.8	67.3	70.0			
29-Jul-14	15:05	78.2	66.8	69.6			
29-Jul-14	15:10	72.9	63.5	65.4	75.9	65.5	68.0
29-Jul-14	15:15	72.3	64.9	67.6			
29-Jul-14	15:20	79.1	65.5	66.7			
29-Jul-14	15:25	77.3	65.1	66.8			
29-Jul-14	15:30	70.7	63.6	64.9			
29-Jul-14	15:35	78.0	65.5	67.1			
29-Jul-14	15:40	76.8	64.8	67.7	75.7	64.8	67.4
29-Jul-14	15:45	79.6	65.9	69.9			
29-Jul-14	15:50	73.1	64.2	66.5			
29-Jul-14	15:55	76.0	64.9	66.9			
29-Jul-14	16:00	76.1	66.4	67.9			
29-Jul-14	16:05	83.8	69.8	72.0			
29-Jul-14	16:10	82.4	67.9	70.1	78.3	66.9	69.2
29-Jul-14	16:15	75.9	66.3	68.5			
29-Jul-14	16:20	72.5	65.2	66.9			
29-Jul-14	16:25	79.1	66.0	67.6			
29-Jul-14	16:30	83.4	69.6	70.7			
29-Jul-14	16:35	83.0	66.8	69.2			
29-Jul-14	16:40	81.9	69.8	71.6	81.8	68.7	70.9
29-Jul-14	16:45	78.2	66.6	69.3			
29-Jul-14	16:50	81.9	69.1	70.5			
29-Jul-14	16:55	82.2	70.3	72.8			
29-Jul-14	17:00	78.6	68.5	70.7			
29-Jul-14	17:05	85.1	69.6	71.6			
29-Jul-14	17:10	80.4	66.7	67.6	79.1	67.2	69.2
29-Jul-14	17:15	83.2	68.0	69.6			
29-Jul-14	17:20	74.4	64.0	65.4			
29-Jul-14	17:25	72.9	66.4	67.6			
29-Jul-14	17:30	71.5	66.3	67.8			
29-Jul-14	17:35	91.7	72.1	76.0			
29-Jul-14	17:40	74.7	64.8	66.5	76.8	66.4	70.3
29-Jul-14	17:45	75.5	65.6	68.0			
29-Jul-14	17:50	73.1	64.6	66.2			
29-Jul-14	17:55	74.2	64.7	66.0			
29-Jul-14	18:00	90.5	69.7	75.6			
29-Jul-14	18:05	76.8	65.6	67.0			
29-Jul-14	18:10	70.9	64.6	66.2	76.4	65.8	70.1
29-Jul-14	18:15	71.4	64.8	66.8			
29-Jul-14	18:20	74.5	64.7	66.9			
29-Jul-14	18:25	74.3	65.3	67.6			
29-Jul-14	18:30	77.2	65.2	67.9			
29-Jul-14	18:35	72.9	63.7	66.3			
29-Jul-14	18:40	70.8	61.3	63.7	75.1	63.5	66.4
29-Jul-14	18:45	83.3	65.9	68.2			
29-Jul-14	18:50	75.1	62.6	65.4			
29-Jul-14	18:55	71.1	62.1	65.2			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
7-Aug-14	7:00	61.4	56.2	56.8			
7-Aug-14	7:05	67.7	57.2	60.5			
7-Aug-14	7:10	70.9	57.7	59.4	64.3	56.7	58.2
7-Aug-14	7:15	62.7	56.1	56.8			
7-Aug-14	7:20	58.3	56.0	56.4			
7-Aug-14	7:25	65.0	56.9	57.5			
7-Aug-14	7:30	61.5	57.3	57.8			
7-Aug-14	7:35	57.8	56.0	56.4			
7-Aug-14	7:40	58.9	56.4	56.8	59.7	56.4	56.9
7-Aug-14	7:45	60.7	56.5	57.0			
7-Aug-14	7:50	60.8	56.4	56.8			
7-Aug-14	7:55	58.6	55.7	56.2			
7-Aug-14	8:00	59.3	56.4	56.8			
7-Aug-14	8:05	69.6	57.8	60.2			
7-Aug-14	8:10	61.4	56.6	57.0	61.7	56.5	57.5
7-Aug-14	8:15	58.8	55.7	56.2			
7-Aug-14	8:20	62.1	56.7	57.2			
7-Aug-14	8:25	58.9	56.0	56.4			
7-Aug-14	8:30	61.7	57.0	57.7			
7-Aug-14	8:35	59.8	57.7	58.0			
7-Aug-14	8:40	61.1	57.8	58.5	60.6	57.5	58.0
7-Aug-14	8:45	60.5	57.5	57.9			
7-Aug-14	8:50	61.1	57.7	58.2			
7-Aug-14	8:55	59.6	57.2	57.6			
7-Aug-14	9:00	59.7	57.6	57.9			
7-Aug-14	9:05	60.8	57.8	58.5			
7-Aug-14	9:10	61.9	57.8	58.1	64.7	58.2	59.2
7-Aug-14	9:15	66.7	58.1	59.1			
7-Aug-14	9:20	68.9	58.4	59.9			
7-Aug-14	9:25	70.2	59.2	60.8			
7-Aug-14	9:30	61.3	57.8	58.5			
7-Aug-14	9:35	65.7	64.5	65.6			
7-Aug-14	9:40	66.2	65.0	66.1	65.1	60.9	62.9
7-Aug-14	9:45	66.3	61.1	62.0			
7-Aug-14	9:50	61.8	58.1	58.5			
7-Aug-14	9:55	69.2	59.0	60.4			
7-Aug-14	10:00	62.6	58.1	58.5			
7-Aug-14	10:05	66.6	58.5	59.5			
7-Aug-14	10:10	62.0	58.4	58.8	62.7	58.3	58.8
7-Aug-14	10:15	61.0	58.1	58.4			
7-Aug-14	10:20	61.4	58.1	58.6			
7-Aug-14	10:25	62.5	58.3	59.1			
7-Aug-14	10:30	63.9	58.5	59.7			
7-Aug-14	10:35	62.2	58.7	59.3			
7-Aug-14	10:40	62.4	58.7	59.2	64.9	58.9	60.1
7-Aug-14	10:45	68.5	59.8	60.7			
7-Aug-14	10:50	69.6	59.1	62.0			
7-Aug-14	10:55	62.5	58.4	58.9			
7-Aug-14	11:00	62.5	58.5	59.2			
7-Aug-14	11:05	67.8	59.1	60.3			
7-Aug-14	11:10	70.8	59.3	62.0	68.3	59.2	60.9
7-Aug-14	11:15	72.2	59.5	62.1			
7-Aug-14	11:20	68.9	59.4	60.4			
7-Aug-14	11:25	67.6	59.6	60.9			
7-Aug-14	11:30	67.4	58.9	60.3			
7-Aug-14	11:35	68.8	58.7	60.3			
7-Aug-14	11:40	66.8	59.4	60.5	68.7	60.1	62.0
7-Aug-14	11:45	72.1	64.9	65.9			
7-Aug-14	11:50	72.1	59.4	61.2			
7-Aug-14	11:55	65.2	59.1	60.0			
7-Aug-14	12:00	70.3	59.9	62.1			
7-Aug-14	12:05	68.2	59.0	60.9			
7-Aug-14	12:10	65.6	60.2	61.6	68.6	60.4	62.3
7-Aug-14	12:15	71.1	59.6	61.5			
7-Aug-14	12:20	68.0	59.9	61.5			
7-Aug-14	12:25	68.4	64.0	65.0			
7-Aug-14	12:30	72.4	63.3	64.9			
7-Aug-14	12:35	86.1	67.0	70.0			
7-Aug-14	12:40	72.4	62.9	63.6	75.5	63.8	66.3
7-Aug-14	12:45	75.6	63.4	65.5			
7-Aug-14	12:50	73.4	62.0	64.1			
7-Aug-14	12:55	73.0	63.9	65.9			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
7-Aug-14	13:00	70.1	64.2	65.1			
7-Aug-14	13:05	71.7	63.2	64.3			
7-Aug-14	13:10	76.3	63.8	66.5	74.5	64.8	66.5
7-Aug-14	13:15	79.6	66.3	67.7			
7-Aug-14	13:20	69.5	64.1	65.8			
7-Aug-14	13:25	79.9	66.9	68.4			
7-Aug-14	13:30	68.9	63.5	64.4			
7-Aug-14	13:35	80.6	66.6	68.6			
7-Aug-14	13:40	68.6	64.2	65.0	75.4	64.9	66.7
7-Aug-14	13:45	79.7	65.6	67.4			
7-Aug-14	13:50	72.7	62.9	63.8			
7-Aug-14	13:55	82.1	66.8	68.4			
7-Aug-14	14:00	76.6	64.7	65.6			
7-Aug-14	14:05	80.9	66.0	67.8			
7-Aug-14	14:10	72.4	63.9	65.2	75.5	64.8	66.2
7-Aug-14	14:15	78.0	65.9	66.9			
7-Aug-14	14:20	70.9	64.2	65.2			
7-Aug-14	14:25	74.4	63.9	65.7			
7-Aug-14	14:30	79.1	65.2	66.5			
7-Aug-14	14:35	71.9	63.9	66.2			
7-Aug-14	14:40	80.2	66.3	68.5	76.4	65.3	67.1
7-Aug-14	14:45	81.5	67.5	69.0			
7-Aug-14	14:50	69.2	64.0	64.8			
7-Aug-14	14:55	76.6	65.0	66.2			
7-Aug-14	15:00	80.9	66.6	67.4			
7-Aug-14	15:05	73.7	64.7	66.9			
7-Aug-14	15:10	77.3	65.7	68.7	77.2	65.5	67.5
7-Aug-14	15:15	74.3	63.6	66.6			
7-Aug-14	15:20	76.4	65.4	67.1			
7-Aug-14	15:25	80.6	67.0	67.9			
7-Aug-14	15:30	81.0	65.5	67.6			
7-Aug-14	15:35	71.9	64.0	65.6			
7-Aug-14	15:40	73.3	64.0	65.9	77.0	65.0	67.0
7-Aug-14	15:45	75.6	64.6	66.1			
7-Aug-14	15:50	82.7	67.3	68.8			
7-Aug-14	15:55	77.4	64.8	67.2			
7-Aug-14	16:00	71.4	63.3	65.7			
7-Aug-14	16:05	79.1	65.9	67.4			
7-Aug-14	16:10	79.8	67.4	68.8	77.7	65.7	67.8
7-Aug-14	16:15	80.4	66.8	69.3			
7-Aug-14	16:20	78.2	66.0	68.5			
7-Aug-14	16:25	77.3	64.7	66.2			
7-Aug-14	16:30	69.1	61.6	63.0			
7-Aug-14	16:35	77.6	64.3	65.5			
7-Aug-14	16:40	81.7	66.6	68.0	74.9	64.1	66.1
7-Aug-14	16:45	81.5	66.1	68.1			
7-Aug-14	16:50	69.6	62.3	64.5			
7-Aug-14	16:55	69.8	63.5	65.4			
7-Aug-14	17:00	76.3	65.1	67.0			
7-Aug-14	17:05	78.4	66.6	68.2			
7-Aug-14	17:10	79.7	65.3	67.4	77.7	65.4	67.5
7-Aug-14	17:15	76.0	65.0	66.9			
7-Aug-14	17:20	75.0	64.8	66.9			
7-Aug-14	17:25	80.6	65.3	68.2			
7-Aug-14	17:30	85.6	69.3	70.8			
7-Aug-14	17:35	78.9	65.3	68.1			
7-Aug-14	17:40	80.4	65.3	67.4	78.0	65.0	67.8
7-Aug-14	17:45	70.2	63.6	65.6			
7-Aug-14	17:50	80.7	63.5	67.2			
7-Aug-14	17:55	72.2	62.7	65.5			
7-Aug-14	18:00	69.8	63.4	66.3			
7-Aug-14	18:05	70.8	61.0	63.4			
7-Aug-14	18:10	69.6	62.8	65.1	70.9	62.3	65.3
7-Aug-14	18:15	70.3	62.0	65.0			
7-Aug-14	18:20	70.8	62.3	65.1			
7-Aug-14	18:25	74.1	62.4	66.1			
7-Aug-14	18:30	74.2	61.1	65.1			
7-Aug-14	18:35	82.4	64.4	66.7			
7-Aug-14	18:40	71.0	61.9	64.3	73.6	62.0	65.3
7-Aug-14	18:45	70.7	61.0	63.5			
7-Aug-14	18:50	70.7	62.6	66.3			
7-Aug-14	18:55	72.7	60.9	64.9			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
8-Aug-14	7:00	60.3	57.0	57.3			
8-Aug-14	7:05	59.4	56.6	57.1			
8-Aug-14	7:10	67.2	57.9	61.4	64.2	57.5	59.5
8-Aug-14	7:15	67.3	58.7	60.2			
8-Aug-14	7:20	59.3	56.6	57.0			
8-Aug-14	7:25	71.7	58.1	61.3			
8-Aug-14	7:30	61.7	57.7	58.4			
8-Aug-14	7:35	60.5	57.7	58.1			
8-Aug-14	7:40	68.4	59.0	60.1	67.0	59.2	60.9
8-Aug-14	7:45	65.6	58.1	59.3			
8-Aug-14	7:50	66.3	58.7	59.7			
8-Aug-14	7:55	79.5	64.0	65.1			
8-Aug-14	8:00	68.1	61.4	63.0			
8-Aug-14	8:05	72.0	60.4	62.2			
8-Aug-14	8:10	74.2	63.1	64.5	70.5	62.1	64.0
8-Aug-14	8:15	71.2	64.9	66.9			
8-Aug-14	8:20	69.4	61.7	63.0			
8-Aug-14	8:25	67.8	61.2	62.7			
8-Aug-14	8:30	64.5	61.4	62.2			
8-Aug-14	8:35	71.3	63.1	66.5			
8-Aug-14	8:40	71.1	62.7	66.4	72.3	63.0	65.8
8-Aug-14	8:45	74.2	63.2	66.5			
8-Aug-14	8:50	68.5	61.4	62.4			
8-Aug-14	8:55	84.0	66.1	68.0			
8-Aug-14	9:00	70.2	62.2	64.1			
8-Aug-14	9:05	69.9	62.1	63.6			
8-Aug-14	9:10	73.1	63.1	64.9	72.2	63.3	65.3
8-Aug-14	9:15	69.8	62.5	63.8			
8-Aug-14	9:20	71.7	63.2	65.8			
8-Aug-14	9:25	78.5	66.8	68.0			
8-Aug-14	9:30	78.0	64.0	65.5			
8-Aug-14	9:35	67.8	61.6	62.9			
8-Aug-14	9:40	73.0	62.5	64.1	74.5	64.3	66.3
8-Aug-14	9:45	73.3	65.1	67.4			
8-Aug-14	9:50	79.3	68.0	69.1			
8-Aug-14	9:55	75.6	64.6	66.0			
8-Aug-14	10:00	69.2	62.3	63.5			
8-Aug-14	10:05	77.9	65.1	66.0			
8-Aug-14	10:10	81.6	66.1	67.3	79.1	65.6	67.2
8-Aug-14	10:15	82.1	67.5	69.2			
8-Aug-14	10:20	83.6	67.6	68.9			
8-Aug-14	10:25	80.3	64.8	66.2			
8-Aug-14	10:30	80.8	66.0	67.7			
8-Aug-14	10:35	79.9	67.0	68.8			
8-Aug-14	10:40	71.6	62.5	63.5	76.3	64.5	66.3
8-Aug-14	10:45	68.1	61.8	62.6			
8-Aug-14	10:50	80.8	65.7	67.1			
8-Aug-14	10:55	76.6	63.8	65.0			
8-Aug-14	11:00	67.3	62.1	63.8			
8-Aug-14	11:05	77.2	63.2	63.9			
8-Aug-14	11:10	65.3	61.7	62.6	72.4	62.4	64.1
8-Aug-14	11:15	80.8	64.2	65.8			
8-Aug-14	11:20	70.1	61.6	63.1			
8-Aug-14	11:25	73.5	61.8	64.6			
8-Aug-14	11:30	66.6	60.7	61.9			
8-Aug-14	11:35	71.6	60.6	62.1			
8-Aug-14	11:40	67.4	63.2	64.2	68.9	61.3	63.3
8-Aug-14	11:45	75.8	64.5	65.5			
8-Aug-14	11:50	64.3	58.5	59.4			
8-Aug-14	11:55	67.5	60.2	64.1			
8-Aug-14	12:00	71.5	60.8	63.7			
8-Aug-14	12:05	67.2	59.4	61.3			
8-Aug-14	12:10	62.1	58.3	60.5	69.5	59.9	62.5
8-Aug-14	12:15	73.6	60.6	63.0			
8-Aug-14	12:20	70.6	59.8	62.3			
8-Aug-14	12:25	71.8	60.2	63.4			
8-Aug-14	12:30	89.7	71.5	77.3			
8-Aug-14	12:35	72.8	59.7	62.4			
8-Aug-14	12:40	73.1	60.7	62.5	74.5	62.7	70.3
8-Aug-14	12:45	66.4	60.0	61.2			
8-Aug-14	12:50	80.4	64.6	67.1			
8-Aug-14	12:55	64.8	59.4	60.5			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
8-Aug-14	13:00	69.0	61.0	62.7			
8-Aug-14	13:05	72.9	59.2	61.6			
8-Aug-14	13:10	67.3	60.6	62.1	70.4	60.5	62.4
8-Aug-14	13:15	65.6	59.9	61.5			
8-Aug-14	13:20	71.8	59.6	61.4			
8-Aug-14	13:25	75.8	62.5	64.3			
8-Aug-14	13:30	71.0	60.3	62.8			
8-Aug-14	13:35	69.6	60.6	62.5			
8-Aug-14	13:40	69.9	61.1	63.3	71.6	60.9	63.3
8-Aug-14	13:45	80.4	62.8	65.4			
8-Aug-14	13:50	71.4	60.5	63.2			
8-Aug-14	13:55	67.1	59.8	61.5			
8-Aug-14	14:00	69.7	62.9	64.7			
8-Aug-14	14:05	69.1	63.2	64.4			
8-Aug-14	14:10	68.0	61.2	62.5	69.3	61.4	63.4
8-Aug-14	14:15	69.3	60.5	62.8			
8-Aug-14	14:20	72.5	60.7	63.6			
8-Aug-14	14:25	67.3	59.8	61.6			
8-Aug-14	14:30	66.6	59.3	60.2			
8-Aug-14	14:35	76.0	61.2	65.5			
8-Aug-14	14:40	70.3	62.3	63.9	74.0	62.5	67.5
8-Aug-14	14:45	89.6	70.0	73.4			
8-Aug-14	14:50	72.3	61.6	64.9			
8-Aug-14	14:55	69.4	60.8	62.6			
8-Aug-14	15:00	70.3	61.3	62.9			
8-Aug-14	15:05	72.9	62.0	65.1			
8-Aug-14	15:10	74.5	62.1	66.5	74.8	62.6	66.4
8-Aug-14	15:15	84.6	66.1	69.5			
8-Aug-14	15:20	73.3	61.2	63.7			
8-Aug-14	15:25	73.3	62.8	67.0			
8-Aug-14	15:30	70.5	60.3	63.0			
8-Aug-14	15:35	67.5	60.2	62.9			
8-Aug-14	15:40	79.9	63.3	68.0	69.8	60.5	64.0
8-Aug-14	15:45	65.2	59.0	60.7			
8-Aug-14	15:50	67.6	60.0	62.6			
8-Aug-14	15:55	68.1	60.1	63.0			
8-Aug-14	16:00	70.0	61.0	65.0			
8-Aug-14	16:05	69.3	61.1	63.4			
8-Aug-14	16:10	69.3	61.1	63.4	70.2	61.7	64.5
8-Aug-14	16:15	68.3	60.0	62.0			
8-Aug-14	16:20	71.0	63.5	65.5			
8-Aug-14	16:25	73.0	63.5	66.1			
8-Aug-14	16:30	71.2	60.3	63.2			
8-Aug-14	16:35	73.7	62.8	65.0			
8-Aug-14	16:40	74.5	62.0	65.8	72.3	61.7	64.6
8-Aug-14	16:45	71.9	62.5	65.1			
8-Aug-14	16:50	70.7	61.0	63.8			
8-Aug-14	16:55	71.9	61.3	64.3			
8-Aug-14	17:00	72.4	62.3	66.1			
8-Aug-14	17:05	73.1	61.3	64.5			
8-Aug-14	17:10	70.9	61.7	64.2	73.7	62.1	65.6
8-Aug-14	17:15	77.3	62.7	66.9			
8-Aug-14	17:20	68.8	61.5	63.3			
8-Aug-14	17:25	79.4	63.3	67.1			
8-Aug-14	17:30	84.4	65.9	70.7			
8-Aug-14	17:35	76.7	65.4	69.4			
8-Aug-14	17:40	70.8	62.8	65.2	75.3	63.4	67.7
8-Aug-14	17:45	71.4	61.8	64.8			
8-Aug-14	17:50	75.2	62.1	65.5			
8-Aug-14	17:55	73.5	62.6	66.7			
8-Aug-14	18:00	72.3	61.8	64.4			
8-Aug-14	18:05	70.7	61.9	65.3			
8-Aug-14	18:10	71.8	61.0	64.4	77.6	64.3	73.3
8-Aug-14	18:15	67.5	59.4	60.9			
8-Aug-14	18:20	86.1	66.1	70.7			
8-Aug-14	18:25	96.9	75.5	80.3			
8-Aug-14	18:30	71.5	62.6	65.9			
8-Aug-14	18:35	68.1	59.5	61.6			
8-Aug-14	18:40	69.9	59.8	62.2	71.8	60.9	64.0
8-Aug-14	18:45	70.0	60.8	63.8			
8-Aug-14	18:50	70.6	60.1	62.8			
8-Aug-14	18:55	80.4	62.6	65.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
9-Aug-14	7:00	63.2	59.2	61.5			
9-Aug-14	7:05	67.7	59.7	61.5			
9-Aug-14	7:10	68.4	60.1	61.9	65.1	59.1	60.6
9-Aug-14	7:15	66.6	58.7	59.7			
9-Aug-14	7:20	61.5	58.6	59.1			
9-Aug-14	7:25	63.2	58.5	59.1			
9-Aug-14	7:30	66.2	58.8	59.7			
9-Aug-14	7:35	62.1	58.8	59.4			
9-Aug-14	7:40	64.7	59.2	59.9	65.1	59.4	60.5
9-Aug-14	7:45	71.1	60.2	62.1			
9-Aug-14	7:50	62.7	59.8	60.4			
9-Aug-14	7:55	63.9	59.7	60.7			
9-Aug-14	8:00	68.9	61.4	62.6			
9-Aug-14	8:05	66.5	61.7	62.6			
9-Aug-14	8:10	75.6	64.5	66.2	74.3	64.4	66.4
9-Aug-14	8:15	81.7	66.4	68.6			
9-Aug-14	8:20	72.9	65.2	66.3			
9-Aug-14	8:25	80.0	67.3	68.3			
9-Aug-14	8:30	69.9	63.7	65.1			
9-Aug-14	8:35	67.4	63.1	64.0			
9-Aug-14	8:40	67.4	63.2	63.9	72.0	63.4	65.9
9-Aug-14	8:45	74.2	63.4	65.7			
9-Aug-14	8:50	70.9	63.1	64.3			
9-Aug-14	8:55	82.3	64.1	69.5			
9-Aug-14	9:00	65.7	62.8	63.7			
9-Aug-14	9:05	82.7	66.8	67.7			
9-Aug-14	9:10	70.2	64.3	65.9	71.4	64.2	65.5
9-Aug-14	9:15	73.2	64.5	65.9			
9-Aug-14	9:20	66.1	63.1	63.7			
9-Aug-14	9:25	70.7	63.8	64.8			
9-Aug-14	9:30	78.2	66.3	68.3			
9-Aug-14	9:35	70.9	65.3	67.3			
9-Aug-14	9:40	75.5	64.9	67.4	74.7	65.9	67.9
9-Aug-14	9:45	72.4	65.3	67.0			
9-Aug-14	9:50	78.2	65.5	68.2			
9-Aug-14	9:55	72.7	68.1	69.1			
9-Aug-14	10:00	69.2	64.8	65.6			
9-Aug-14	10:05	81.3	68.3	69.5			
9-Aug-14	10:10	80.0	66.5	68.2	74.9	65.7	67.3
9-Aug-14	10:15	73.8	64.9	66.5			
9-Aug-14	10:20	73.6	64.9	66.5			
9-Aug-14	10:25	71.4	65.0	66.4			
9-Aug-14	10:30	71.7	66.4	67.5			
9-Aug-14	10:35	74.1	65.4	66.3			
9-Aug-14	10:40	68.8	64.6	65.6	74.9	65.6	67.3
9-Aug-14	10:45	74.6	64.7	66.7			
9-Aug-14	10:50	85.9	68.7	70.4			
9-Aug-14	10:55	74.2	63.8	65.2			
9-Aug-14	11:00	71.2	63.5	64.3			
9-Aug-14	11:05	79.3	66.1	68.4			
9-Aug-14	11:10	72.4	65.2	66.9	72.0	64.6	66.3
9-Aug-14	11:15	68.8	65.5	66.8			
9-Aug-14	11:20	72.3	63.5	65.3			
9-Aug-14	11:25	67.8	63.5	64.5			
9-Aug-14	11:30	81.5	66.9	68.3			
9-Aug-14	11:35	68.3	64.8	65.6			
9-Aug-14	11:40	71.2	67.0	68.2	75.0	65.5	67.4
9-Aug-14	11:45	73.0	63.9	66.4			
9-Aug-14	11:50	74.0	64.3	66.1			
9-Aug-14	11:55	81.9	66.3	68.7			
9-Aug-14	12:00	76.6	65.2	65.9			
9-Aug-14	12:05	70.5	62.5	63.9			
9-Aug-14	12:10	82.5	67.2	69.2	75.1	63.8	66.3
9-Aug-14	12:15	64.4	60.4	61.1			
9-Aug-14	12:20	83.9	65.7	68.8			
9-Aug-14	12:25	72.5	61.5	63.0			
9-Aug-14	12:30	66.9	62.1	63.2			
9-Aug-14	12:35	72.9	63.0	64.2			
9-Aug-14	12:40	70.5	63.4	64.9	70.1	62.5	64.4
9-Aug-14	12:45	71.1	62.2	63.5			
9-Aug-14	12:50	66.0	61.6	62.8			
9-Aug-14	12:55	72.9	62.7	66.7			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
9-Aug-14	13:00	75.7	64.9	73.1			
9-Aug-14	13:05	81.4	67.6	68.5			
9-Aug-14	13:10	70.6	64.6	66.3	75.5	66.7	70.0
9-Aug-14	13:15	71.5	65.5	68.3			
9-Aug-14	13:20	76.4	66.8	68.6			
9-Aug-14	13:25	77.2	70.5	71.4			
9-Aug-14	13:30	75.0	66.7	68.6			
9-Aug-14	13:35	73.5	66.4	70.1			
9-Aug-14	13:40	74.8	65.7	69.4	76.5	66.0	68.5
9-Aug-14	13:45	80.6	66.8	68.9			
9-Aug-14	13:50	79.6	65.4	66.3			
9-Aug-14	13:55	75.2	64.8	66.6			
9-Aug-14	14:00	79.5	66.6	68.6			
9-Aug-14	14:05	78.5	65.2	66.5			
9-Aug-14	14:10	74.2	65.2	67.0	78.8	66.8	68.7
9-Aug-14	14:15	82.6	67.6	70.1			
9-Aug-14	14:20	79.6	68.7	70.1			
9-Aug-14	14:25	78.3	67.4	68.6			
9-Aug-14	14:30	82.5	67.8	69.4			
9-Aug-14	14:35	69.6	64.3	65.2			
9-Aug-14	14:40	83.4	66.6	69.0	78.1	66.2	68.1
9-Aug-14	14:45	74.6	64.9	67.3			
9-Aug-14	14:50	78.8	66.7	68.6			
9-Aug-14	14:55	79.6	66.7	68.1			
9-Aug-14	15:00	77.6	65.6	66.9			
9-Aug-14	15:05	80.6	67.1	69.2			
9-Aug-14	15:10	70.6	64.6	65.9	76.9	65.9	67.6
9-Aug-14	15:15	80.7	67.7	69.0			
9-Aug-14	15:20	82.9	67.1	68.3			
9-Aug-14	15:25	68.9	63.0	63.9			
9-Aug-14	15:30	80.4	65.6	66.9			
9-Aug-14	15:35	74.8	63.9	65.6			
9-Aug-14	15:40	78.8	65.1	66.1	79.7	65.9	67.6
9-Aug-14	15:45	84.9	68.5	69.9			
9-Aug-14	15:50	78.8	66.6	68.7			
9-Aug-14	15:55	80.4	65.7	67.1			
9-Aug-14	16:00	78.9	65.5	67.5			
9-Aug-14	16:05	83.5	66.6	69.2			
9-Aug-14	16:10	79.2	65.3	67.0	78.7	66.2	68.6
9-Aug-14	16:15	70.7	64.1	66.5			
9-Aug-14	16:20	79.7	66.9	69.2			
9-Aug-14	16:25	80.3	69.0	70.7			
9-Aug-14	16:30	79.7	69.7	71.1			
9-Aug-14	16:35	75.3	65.5	66.6			
9-Aug-14	16:40	77.5	67.1	68.6	81.4	68.2	71.9
9-Aug-14	16:45	80.4	66.8	68.7			
9-Aug-14	16:50	81.6	67.1	69.7			
9-Aug-14	16:55	93.8	73.2	77.2			
9-Aug-14	17:00	79.7	66.5	68.0			
9-Aug-14	17:05	83.3	68.4	70.1			
9-Aug-14	17:10	81.5	66.3	68.5	81.9	67.2	69.4
9-Aug-14	17:15	80.4	66.2	67.8			
9-Aug-14	17:20	83.7	68.1	69.5			
9-Aug-14	17:25	82.7	67.6	71.2			
9-Aug-14	17:30	83.1	68.9	70.8			
9-Aug-14	17:35	81.9	68.7	70.8			
9-Aug-14	17:40	71.5	63.9	65.8	77.4	65.5	68.7
9-Aug-14	17:45	72.6	64.1	66.2			
9-Aug-14	17:50	72.9	63.3	66.2			
9-Aug-14	17:55	82.2	64.1	69.4			
9-Aug-14	18:00	67.4	62.0	63.8			
9-Aug-14	18:05	74.2	62.0	65.2			
9-Aug-14	18:10	70.5	62.2	63.8	72.5	62.4	65.1
9-Aug-14	18:15	75.6	62.9	66.4			
9-Aug-14	18:20	75.1	63.1	65.9			
9-Aug-14	18:25	71.9	62.0	64.7			
9-Aug-14	18:30	71.9	61.7	64.3			
9-Aug-14	18:35	72.0	61.9	64.6			
9-Aug-14	18:40	74.6	62.5	65.8	73.1	62.1	65.5
9-Aug-14	18:45	73.9	61.8	64.8			
9-Aug-14	18:50	73.7	63.6	68.1			
9-Aug-14	18:55	72.3	61.0	64.2			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
10-Aug-14	7:00	77.1	67.6	78.8			
10-Aug-14	7:05	72.7	64.2	74.0			
10-Aug-14	7:10	69.3	62.0	71.1	72.4	63.7	74.7
10-Aug-14	7:15	68.6	62.0	71.0			
10-Aug-14	7:20	68.5	61.3	69.9			
10-Aug-14	7:25	78.3	64.9	75.9			
10-Aug-14	7:30	88.8	77.9	89.3			
10-Aug-14	7:35	64.6	60.3	62.7			
10-Aug-14	7:40	68.1	60.5	61.4			
10-Aug-14	7:45	65.2	60.3	61.0	71.0	63.6	81.6
10-Aug-14	7:50	68.6	61.0	62.9			
10-Aug-14	7:55	70.7	61.3	70.4			
10-Aug-14	8:00	72.2	64.6	74.4			
10-Aug-14	8:05	83.3	69.9	82.4			
10-Aug-14	8:10	82.1	72.8	83.7			
10-Aug-14	8:15	79.7	69.1	80.6	79.5	68.7	80.7
10-Aug-14	8:20	82.4	67.8	79.0			
10-Aug-14	8:25	77.3	67.7	78.9			
10-Aug-14	8:30	80.8	68.3	78.8			
10-Aug-14	8:35	82.1	69.8	76.6			
10-Aug-14	8:40	80.1	67.1	78.7			
10-Aug-14	8:45	79.8	67.8	78.7	80.1	67.5	77.8
10-Aug-14	8:50	78.0	66.3	76.8			
10-Aug-14	8:55	79.9	65.5	76.0			
10-Aug-14	9:00	88.6	68.5	81.1			
10-Aug-14	9:05	76.8	63.8	71.1			
10-Aug-14	9:10	81.4	66.5	72.6			
10-Aug-14	9:15	82.6	67.1	71.8	78.3	65.3	75.0
10-Aug-14	9:20	69.2	63.2	66.8			
10-Aug-14	9:25	71.3	62.8	69.1			
10-Aug-14	9:30	82.7	68.6	71.7			
10-Aug-14	9:35	71.2	64.6	68.5			
10-Aug-14	9:40	75.5	67.5	72.0			
10-Aug-14	9:45	96.4	80.9	91.8	81.1	68.9	84.2
10-Aug-14	9:50	82.8	67.8	73.4			
10-Aug-14	9:55	79.0	65.1	68.3			
10-Aug-14	10:00	85.2	71.8	73.2			
10-Aug-14	10:05	73.3	65.8	68.3			
10-Aug-14	10:10	84.0	67.3	70.8			
10-Aug-14	10:15	70.9	64.3	66.2	81.5	67.5	74.5
10-Aug-14	10:20	87.4	67.6	72.5			
10-Aug-14	10:25	88.0	68.2	80.2			
10-Aug-14	10:30	84.7	71.9	73.8			
10-Aug-14	10:35	82.4	68.0	70.2			
10-Aug-14	10:40	82.7	68.6	70.3			
10-Aug-14	10:45	82.5	70.1	77.4	82.8	68.7	73.6
10-Aug-14	10:50	80.8	66.1	74.4			
10-Aug-14	10:55	83.5	67.4	69.5			
10-Aug-14	11:00	79.8	67.0	68.9			
10-Aug-14	11:05	83.2	69.5	72.4			
10-Aug-14	11:10	75.7	65.4	67.9			
10-Aug-14	11:15	90.5	76.4	88.7	86.1	75.0	91.5
10-Aug-14	11:20	94.2	85.9	96.6			
10-Aug-14	11:25	93.3	86.0	95.0			
10-Aug-14	11:30	91.0	77.8	89.0			
10-Aug-14	11:35	92.1	73.2	86.7			
10-Aug-14	11:40	92.1	73.9	85.7			
10-Aug-14	11:45	91.7	80.6	90.7	93.4	79.6	92.3
10-Aug-14	11:50	95.3	83.4	93.8			
10-Aug-14	11:55	97.9	88.5	96.9			
10-Aug-14	12:00	97.0	89.0	97.2			
10-Aug-14	12:05	98.2	90.7	99.1			
10-Aug-14	12:10	94.8	86.1	94.9			
10-Aug-14	12:15	88.9	80.6	90.8	91.2	82.9	94.9
10-Aug-14	12:20	87.4	78.3	88.9			
10-Aug-14	12:25	80.7	72.5	82.6			
10-Aug-14	12:30	80.4	70.1	80.4			
10-Aug-14	12:35	79.5	69.6	79.7			
10-Aug-14	12:40	83.6	73.0	83.4			
10-Aug-14	12:45	85.0	71.1	81.4	82.1	70.7	81.7
10-Aug-14	12:50	81.2	68.8	80.3			
10-Aug-14	12:55	83.0	71.3	83.4			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
10-Aug-14	13:00	85.3	71.9	84.2			
10-Aug-14	13:05	86.9	72.9	85.6			
10-Aug-14	13:10	87.4	72.9	84.9	84.6	71.9	84.3
10-Aug-14	13:15	83.9	73.1	85.4			
10-Aug-14	13:20	83.4	71.1	82.9			
10-Aug-14	13:25	80.8	69.7	81.3			
10-Aug-14	13:30	79.9	69.9	81.2			
10-Aug-14	13:35	80.7	70.6	80.6			
10-Aug-14	13:40	83.3	71.9	83.3			
10-Aug-14	13:45	72.8	65.2	67.3	76.9	68.3	79.0
10-Aug-14	13:50	71.4	65.7	67.3			
10-Aug-14	13:55	73.2	66.6	69.1			
10-Aug-14	14:00	73.4	67.2	69.8			
10-Aug-14	14:05	79.6	68.8	70.1			
10-Aug-14	14:10	74.0	67.6	69.1			
10-Aug-14	14:15	70.9	66.2	68.1	74.4	67.0	69.4
10-Aug-14	14:20	72.2	66.1	69.2			
10-Aug-14	14:25	76.1	65.9	69.7			
10-Aug-14	14:30	70.3	65.3	72.1			
10-Aug-14	14:35	72.4	65.5	68.9			
10-Aug-14	14:40	81.5	67.4	70.4			
10-Aug-14	14:45	79.7	66.6	71.8	76.7	66.7	72.5
10-Aug-14	14:50	81.8	68.3	75.3			
10-Aug-14	14:55	74.4	67.0	73.6			
10-Aug-14	15:00	79.7	67.3	69.7			
10-Aug-14	15:05	81.5	67.6	70.7			
10-Aug-14	15:10	71.3	64.5	66.6			
10-Aug-14	15:15	69.7	64.0	65.0	74.6	65.3	67.8
10-Aug-14	15:20	72.7	64.1	66.0			
10-Aug-14	15:25	72.5	64.0	65.5			
10-Aug-14	15:30	90.5	68.9	74.9			
10-Aug-14	15:35	78.7	66.1	69.6			
10-Aug-14	15:40	89.5	66.1	66.8			
10-Aug-14	15:45	79.7	67.5	69.8	79.6	68.3	78.6
10-Aug-14	15:50	73.7	68.9	68.9			
10-Aug-14	15:55	85.7	75.1	85.7			
10-Aug-14	16:00	96.7	86.8	95.7			
10-Aug-14	16:05	91.3	80.0	90.4			
10-Aug-14	16:10	80.4	72.5	82.7			
10-Aug-14	16:15	81.1	68.9	79.7	84.5	75.0	89.4
10-Aug-14	16:20	82.0	71.0	81.6			
10-Aug-14	16:25	75.7	68.6	76.8			
10-Aug-14	16:30	79.6	68.0	73.2			
10-Aug-14	16:35	85.2	67.1	77.0			
10-Aug-14	16:40	69.8	65.1	66.7	76.2	65.9	71.7
10-Aug-14	16:45	73.1	65.2	66.2			
10-Aug-14	16:50	77.3	65.0	66.7			
10-Aug-14	16:55	72.4	64.9	66.1			
10-Aug-14	17:00	80.3	67.8	73.8			
10-Aug-14	17:05	78.1	69.3	77.5			
10-Aug-14	17:10	78.7	68.3	78.4			
10-Aug-14	17:15	78.4	67.9	74.7	77.2	68.0	75.5
10-Aug-14	17:20	74.8	67.5	73.0			
10-Aug-14	17:25	72.7	67.2	70.9			
10-Aug-14	17:30	79.0	67.3	70.1			
10-Aug-14	17:35	70.6	65.2	67.0			
10-Aug-14	17:40	78.7	66.5	70.1	75.2	66.0	70.0
10-Aug-14	17:45	74.7	66.8	72.3			
10-Aug-14	17:50	74.5	65.2	68.1			
10-Aug-14	17:55	73.6	64.8	70.6			
10-Aug-14	18:00	78.8	68.2	78.9			
10-Aug-14	18:05	76.7	67.2	77.9			
10-Aug-14	18:10	77.5	65.6	75.1	83.8	73.4	91.0
10-Aug-14	18:15	74.3	64.0	72.3			
10-Aug-14	18:20	96.0	87.0	95.6			
10-Aug-14	18:25	90.5	88.3	95.8			
10-Aug-14	18:30	91.3	82.6	92.7			
10-Aug-14	18:35	94.1	86.5	93.1			
10-Aug-14	18:40	97.0	89.9	96.5	94.3	87.5	95.3
10-Aug-14	18:45	96.1	91.3	97.6			
10-Aug-14	18:50	90.5	85.0	92.3			
10-Aug-14	18:55	96.8	89.4	96.5			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
11-Aug-14	7:00	61.3	58.2	58.6			
11-Aug-14	7:05	60.3	60.2	62.7			
11-Aug-14	7:10	70.3	60.4	62.1	64.3	59.1	60.4
11-Aug-14	7:15	61.4	58.3	58.7			
11-Aug-14	7:20	61.2	58.6	59.1			
11-Aug-14	7:25	62.5	58.6	59.0			
11-Aug-14	7:30	65.0	59.4	60.1			
11-Aug-14	7:35	63.4	59.6	60.2			
11-Aug-14	7:40	62.7	59.2	59.9	67.2	60.0	61.2
11-Aug-14	7:45	70.2	60.4	62.1			
11-Aug-14	7:50	67.7	59.3	60.5			
11-Aug-14	7:55	73.9	61.9	63.1			
11-Aug-14	8:00	65.9	61.3	62.5			
11-Aug-14	8:05	77.6	62.3	66.2			
11-Aug-14	8:10	72.1	63.5	66.7	71.1	62.7	65.2
11-Aug-14	8:15	69.5	62.7	64.9			
11-Aug-14	8:20	74.7	63.9	66.1			
11-Aug-14	8:25	66.6	62.6	63.4			
11-Aug-14	8:30	72.3	64.0	65.2			
11-Aug-14	8:35	74.4	64.2	66.1			
11-Aug-14	8:40	72.3	63.9	66.0	73.2	64.1	65.8
11-Aug-14	8:45	69.8	63.6	64.5			
11-Aug-14	8:50	72.4	63.5	65.0			
11-Aug-14	8:55	78.2	65.3	67.3			
11-Aug-14	9:00	71.7	65.1	66.9			
11-Aug-14	9:05	71.1	64.0	65.9			
11-Aug-14	9:10	74.6	67.4	69.3	72.2	64.9	67.1
11-Aug-14	9:15	72.5	65.4	68.1			
11-Aug-14	9:20	70.8	63.5	64.9			
11-Aug-14	9:25	72.6	64.1	66.3			
11-Aug-14	9:30	76.9	65.3	67.7			
11-Aug-14	9:35	73.9	66.6	68.2			
11-Aug-14	9:40	75.9	64.8	67.5	74.6	64.9	67.0
11-Aug-14	9:45	77.2	64.3	65.7			
11-Aug-14	9:50	74.1	64.7	67.1			
11-Aug-14	9:55	69.7	63.7	64.7			
11-Aug-14	10:00	74.4	65.4	66.7			
11-Aug-14	10:05	72.8	64.3	66.3			
11-Aug-14	10:10	78.8	66.2	68.4	72.2	64.7	66.4
11-Aug-14	10:15	66.9	63.4	64.2			
11-Aug-14	10:20	70.6	63.7	64.7			
11-Aug-14	10:25	69.6	65.4	66.5			
11-Aug-14	10:30	68.2	63.1	64.4			
11-Aug-14	10:35	81.6	66.6	67.6			
11-Aug-14	10:40	74.4	64.4	65.7	72.7	64.3	65.7
11-Aug-14	10:45	72.7	63.8	65.2			
11-Aug-14	10:50	67.5	63.7	64.4			
11-Aug-14	10:55	71.7	64.0	66.1			
11-Aug-14	11:00	67.1	63.6	64.4			
11-Aug-14	11:05	79.0	65.0	66.5			
11-Aug-14	11:10	71.0	64.1	65.4	71.1	64.3	65.7
11-Aug-14	11:15	72.2	65.5	67.4			
11-Aug-14	11:20	70.0	63.9	65.1			
11-Aug-14	11:25	67.0	63.7	64.6			
11-Aug-14	11:30	75.1	64.3	66.9			
11-Aug-14	11:35	75.6	64.0	66.0			
11-Aug-14	11:40	71.0	62.7	64.6	74.0	63.7	69.6
11-Aug-14	11:45	73.0	63.4	68.0			
11-Aug-14	11:50	78.7	65.4	75.1			
11-Aug-14	11:55	70.4	62.6	66.8			
11-Aug-14	12:00	73.4	62.8	65.4			
11-Aug-14	12:05	68.9	62.4	64.5			
11-Aug-14	12:10	73.3	61.5	64.8	72.0	62.2	66.5
11-Aug-14	12:15	81.1	63.5	70.7			
11-Aug-14	12:20	65.4	60.7	63.1			
11-Aug-14	12:25	69.9	62.2	65.6			
11-Aug-14	12:30	81.1	68.1	79.0			
11-Aug-14	12:35	88.2	71.7	84.0			
11-Aug-14	12:40	94.0	80.3	90.6	80.2	68.6	84.0
11-Aug-14	12:45	75.4	65.7	71.1			
11-Aug-14	12:50	72.9	63.2	69.7			
11-Aug-14	12:55	69.8	62.4	64.3			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
11-Aug-14	13:00	72.0	62.1	64.5			
11-Aug-14	13:05	70.9	64.0	65.6			
11-Aug-14	13:10	67.0	63.8	64.5	71.5	63.5	65.4
11-Aug-14	13:15	73.8	64.4	66.3			
11-Aug-14	13:20	72.0	63.0	65.0			
11-Aug-14	13:25	73.0	63.7	66.1			
11-Aug-14	13:30	73.9	64.1	67.1			
11-Aug-14	13:35	69.7	64.4	65.7			
11-Aug-14	13:40	74.0	63.8	66.9	73.1	63.9	66.5
11-Aug-14	13:45	79.7	65.1	68.4			
11-Aug-14	13:50	71.3	63.2	64.9			
11-Aug-14	13:55	69.8	62.7	65.0			
11-Aug-14	14:00	78.8	64.4	66.9			
11-Aug-14	14:05	70.3	63.5	66.6			
11-Aug-14	14:10	70.3	64.1	66.3	79.5	69.0	84.7
11-Aug-14	14:15	80.7	65.9	70.1			
11-Aug-14	14:20	88.8	78.9	90.0			
11-Aug-14	14:25	88.1	77.2	88.7			
11-Aug-14	14:30	82.7	71.0	83.0			
11-Aug-14	14:35	80.8	70.7	82.9			
11-Aug-14	14:40	85.2	74.2	86.5	84.6	72.5	85.4
11-Aug-14	14:45	87.7	74.5	87.3			
11-Aug-14	14:50	83.0	72.3	85.1			
11-Aug-14	14:55	88.2	72.4	85.6			
11-Aug-14	15:00	82.4	72.6	83.5			
11-Aug-14	15:05	96.4	80.7	92.3			
11-Aug-14	15:10	96.9	90.8	99.5	91.6	82.5	94.9
11-Aug-14	15:15	94.5	87.6	96.6			
11-Aug-14	15:20	90.4	83.5	92.7			
11-Aug-14	15:25	89.2	79.8	90.8			
11-Aug-14	15:30	87.4	74.8	86.3			
11-Aug-14	15:35	80.3	71.7	82.9			
11-Aug-14	15:40	81.9	71.5	82.0	83.1	72.6	83.9
11-Aug-14	15:45	83.4	71.8	80.6			
11-Aug-14	15:50	83.0	73.1	84.8			
11-Aug-14	15:55	82.6	72.7	84.2			
11-Aug-14	16:00	85.2	74.2	86.7			
11-Aug-14	16:05	86.1	74.5	86.7			
11-Aug-14	16:10	85.4	72.9	83.9	84.7	73.0	84.6
11-Aug-14	16:15	83.9	72.6	83.2			
11-Aug-14	16:20	82.4	71.8	82.7			
11-Aug-14	16:25	85.2	72.2	81.8			
11-Aug-14	16:30	83.6	70.9	80.5			
11-Aug-14	16:35	90.5	73.1	84.0			
11-Aug-14	16:40	83.6	72.5	84.5	85.0	71.3	82.5
11-Aug-14	16:45	86.0	72.2	83.4			
11-Aug-14	16:50	84.6	69.7	80.3			
11-Aug-14	16:55	81.9	70.0	80.3			
11-Aug-14	17:00	82.4	69.9	82.0			
11-Aug-14	17:05	84.5	70.9	83.1			
11-Aug-14	17:10	84.4	69.7	81.2	82.4	69.5	80.3
11-Aug-14	17:15	82.5	68.7	76.9			
11-Aug-14	17:20	81.7	69.0	78.5			
11-Aug-14	17:25	79.1	68.6	74.9			
11-Aug-14	17:30	81.3	70.0	80.3			
11-Aug-14	17:35	79.1	68.8	79.7			
11-Aug-14	17:40	83.3	71.2	83.5	80.7	69.3	80.9
11-Aug-14	17:45	81.4	69.4	81.6			
11-Aug-14	17:50	80.7	68.6	79.4			
11-Aug-14	17:55	78.3	67.6	78.8			
11-Aug-14	18:00	90.5	70.7	79.2			
11-Aug-14	18:05	92.8	71.2	79.2			
11-Aug-14	18:10	80.4	69.5	82.1	84.1	70.0	81.1
11-Aug-14	18:15	76.7	67.9	79.3			
11-Aug-14	18:20	84.3	70.8	82.9			
11-Aug-14	18:25	79.6	70.1	82.1			
11-Aug-14	18:30	77.9	65.9	76.1			
11-Aug-14	18:35	83.0	67.7	79.7			
11-Aug-14	18:40	84.7	69.7	82.6	80.2	67.7	79.8
11-Aug-14	18:45	81.9	69.8	82.1			
11-Aug-14	18:50	75.5	66.2	77.1			
11-Aug-14	18:55	77.9	66.7	76.6			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
14-Aug-14	7:00	65.1	58.6	59.5			
14-Aug-14	7:05	61.4	58.4	58.9			
14-Aug-14	7:10	70.0	60.4	63.0	65.1	59.2	60.5
14-Aug-14	7:15	68.1	60.4	61.5			
14-Aug-14	7:20	63.5	59.1	59.5			
14-Aug-14	7:25	62.6	58.2	59.0			
14-Aug-14	7:30	64.0	59.1	59.7			
14-Aug-14	7:35	62.4	59.0	59.6			
14-Aug-14	7:40	63.5	59.3	60.2	64.9	59.7	60.9
14-Aug-14	7:45	67.5	60.0	61.6			
14-Aug-14	7:50	65.8	60.4	62.1			
14-Aug-14	7:55	66.0	60.2	61.7			
14-Aug-14	8:00	66.4	60.9	61.7			
14-Aug-14	8:05	73.6	62.2	63.9			
14-Aug-14	8:10	73.7	63.5	66.8	72.1	63.1	65.8
14-Aug-14	8:15	67.8	61.9	62.9			
14-Aug-14	8:20	70.2	61.9	63.5			
14-Aug-14	8:25	80.8	68.2	69.9			
14-Aug-14	8:30	66.3	62.6	63.2			
14-Aug-14	8:35	74.0	64.4	66.1			
14-Aug-14	8:40	80.7	66.7	69.8	73.6	64.1	66.3
14-Aug-14	8:45	74.7	62.9	64.8			
14-Aug-14	8:50	66.2	62.4	63.2			
14-Aug-14	8:55	79.5	65.5	66.8			
14-Aug-14	9:00	72.4	64.8	68.8			
14-Aug-14	9:05	72.0	64.6	66.6			
14-Aug-14	9:10	78.7	65.9	67.5	73.1	64.4	66.6
14-Aug-14	9:15	70.0	63.7	65.5			
14-Aug-14	9:20	77.4	64.9	66.2			
14-Aug-14	9:25	67.8	62.5	63.5			
14-Aug-14	9:30	87.9	68.0	74.3			
14-Aug-14	9:35	78.8	66.4	71.9			
14-Aug-14	9:40	82.2	66.9	68.7	77.5	65.7	70.1
14-Aug-14	9:45	73.3	64.9	66.1			
14-Aug-14	9:50	72.7	65.5	66.6			
14-Aug-14	9:55	70.2	62.7	64.6			
14-Aug-14	10:00	71.5	64.1	65.9			
14-Aug-14	10:05	77.0	64.6	68.4			
14-Aug-14	10:10	78.7	68.9	71.1	77.2	67.0	69.5
14-Aug-14	10:15	75.3	68.5	70.6			
14-Aug-14	10:20	75.0	65.8	68.0			
14-Aug-14	10:25	85.6	69.9	70.9			
14-Aug-14	10:30	75.9	63.9	65.1			
14-Aug-14	10:35	72.0	64.0	66.0			
14-Aug-14	10:40	76.2	64.6	65.8	73.7	64.9	67.2
14-Aug-14	10:45	66.4	64.3	64.9			
14-Aug-14	10:50	71.1	65.1	67.9			
14-Aug-14	10:55	80.7	67.6	70.4			
14-Aug-14	11:00	81.7	65.9	68.2			
14-Aug-14	11:05	80.6	65.0	68.6			
14-Aug-14	11:10	70.1	64.1	64.9	75.5	64.7	66.9
14-Aug-14	11:15	66.5	64.3	65.8			
14-Aug-14	11:20	80.6	65.5	66.9			
14-Aug-14	11:25	73.7	63.4	65.4			
14-Aug-14	11:30	80.4	66.1	67.0			
14-Aug-14	11:35	68.2	66.4	67.0			
14-Aug-14	11:40	70.4	63.6	64.5	71.6	63.9	65.3
14-Aug-14	11:45	68.4	62.3	63.2			
14-Aug-14	11:50	74.2	62.8	64.9			
14-Aug-14	11:55	67.8	61.9	63.3			
14-Aug-14	12:00	70.1	62.1	63.9			
14-Aug-14	12:05	68.1	62.0	62.9			
14-Aug-14	12:10	72.8	63.1	64.0	74.2	63.4	65.9
14-Aug-14	12:15	78.4	64.2	69.2			
14-Aug-14	12:20	73.3	62.9	65.4			
14-Aug-14	12:25	82.7	65.9	66.6			
14-Aug-14	12:30	70.5	62.5	63.6			
14-Aug-14	12:35	71.3	63.8	67.3			
14-Aug-14	12:40	70.2	64.0	66.6	72.6	63.6	65.6
14-Aug-14	12:45	80.9	65.2	66.1			
14-Aug-14	12:50	73.8	63.4	64.8			
14-Aug-14	12:55	68.9	62.6	63.8			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
14-Aug-14	13:00	73.9	65.3	67.5			
14-Aug-14	13:05	68.0	63.6	64.3			
14-Aug-14	13:10	82.1	66.4	68.0	76.4	66.0	74.7
14-Aug-14	13:15	76.2	64.8	66.1			
14-Aug-14	13:20	77.5	66.0	73.7			
14-Aug-14	13:25	80.8	69.7	81.3			
14-Aug-14	13:30	79.9	69.9	81.2			
14-Aug-14	13:35	80.7	70.6	80.6			
14-Aug-14	13:40	83.3	71.9	83.3	83.3	71.7	83.6
14-Aug-14	13:45	86.7	73.6	85.2			
14-Aug-14	13:50	82.5	71.4	83.2			
14-Aug-14	13:55	86.9	73.0	85.6			
14-Aug-14	14:00	85.0	71.8	84.7			
14-Aug-14	14:05	83.7	71.6	84.2			
14-Aug-14	14:10	88.6	75.6	88.2	79.7	69.2	83.2
14-Aug-14	14:15	74.7	66.3	69.2			
14-Aug-14	14:20	73.8	64.6	67.3			
14-Aug-14	14:25	72.4	65.3	68.5			
14-Aug-14	14:30	73.4	62.1	63.7			
14-Aug-14	14:35	69.3	61.8	63.8			
14-Aug-14	14:40	76.4	63.9	66.9	73.8	64.0	66.7
14-Aug-14	14:45	73.0	63.1	65.0			
14-Aug-14	14:50	79.0	67.9	69.8			
14-Aug-14	14:55	71.6	65.2	67.5			
14-Aug-14	15:00	72.5	65.8	68.6			
14-Aug-14	15:05	72.8	64.7	68.1			
14-Aug-14	15:10	71.5	62.3	64.2	71.1	63.1	66.0
14-Aug-14	15:15	70.4	62.0	64.0			
14-Aug-14	15:20	73.1	62.0	64.7			
14-Aug-14	15:25	66.0	61.8	62.9			
14-Aug-14	15:30	71.8	62.8	65.0			
14-Aug-14	15:35	70.5	61.4	62.8			
14-Aug-14	15:40	69.8	61.8	63.6	74.2	65.2	68.1
14-Aug-14	15:45	85.1	69.1	70.1			
14-Aug-14	15:50	75.4	68.2	70.9			
14-Aug-14	15:55	72.7	67.7	69.4			
14-Aug-14	16:00	74.0	67.2	68.7			
14-Aug-14	16:05	72.7	67.9	70.0			
14-Aug-14	16:10	72.8	67.9	69.8	74.7	67.0	69.4
14-Aug-14	16:15	82.1	70.4	71.7			
14-Aug-14	16:20	71.3	62.7	65.9			
14-Aug-14	16:25	75.2	66.1	68.0			
14-Aug-14	16:30	74.2	63.9	66.5			
14-Aug-14	16:35	74.1	63.5	65.5			
14-Aug-14	16:40	71.3	64.2	66.7	77.5	65.0	67.4
14-Aug-14	16:45	82.2	66.1	67.9			
14-Aug-14	16:50	86.0	67.9	69.7			
14-Aug-14	16:55	77.1	64.3	66.7			
14-Aug-14	17:00	73.2	63.1	65.3			
14-Aug-14	17:05	74.3	65.6	68.1			
14-Aug-14	17:10	69.8	63.5	65.1	72.3	64.1	66.3
14-Aug-14	17:15	71.6	64.5	66.1			
14-Aug-14	17:20	71.7	63.5	66.3			
14-Aug-14	17:25	72.9	64.4	66.0			
14-Aug-14	17:30	72.7	64.0	65.6			
14-Aug-14	17:35	80.2	66.0	68.4			
14-Aug-14	17:40	74.3	63.6	67.7	76.3	64.4	67.1
14-Aug-14	17:45	82.2	66.3	68.7			
14-Aug-14	17:50	79.1	64.4	66.8			
14-Aug-14	17:55	69.1	61.9	63.7			
14-Aug-14	18:00	72.8	62.0	64.2			
14-Aug-14	18:05	72.7	62.0	65.0			
14-Aug-14	18:10	73.9	62.5	66.4	76.1	63.0	67.1
14-Aug-14	18:15	73.9	62.4	65.7			
14-Aug-14	18:20	81.8	65.9	70.6			
14-Aug-14	18:25	81.3	62.9	67.1			
14-Aug-14	18:30	88.1	70.3	74.1			
14-Aug-14	18:35	73.0	62.2	65.5			
14-Aug-14	18:40	76.4	63.4	66.3	80.0	65.6	75.9
14-Aug-14	18:45	87.7	69.6	82.0			
14-Aug-14	18:50	76.3	65.6	75.4			
14-Aug-14	18:55	78.6	62.2	66.9			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (30min)	L90 (30min)	Leq (30min)
22-Jan-15	7:00	N/A	N/A	N/A			
22-Jan-15	7:05	N/A	N/A	N/A			
22-Jan-15	7:10	N/A	N/A	N/A	68.0	56.0	64.4
22-Jan-15	7:15	N/A	N/A	N/A			
22-Jan-15	7:20	N/A	N/A	N/A			
22-Jan-15	7:25	N/A	N/A	N/A			
22-Jan-15	7:30	N/A	N/A	N/A			
22-Jan-15	7:35	N/A	N/A	N/A			
22-Jan-15	7:40	N/A	N/A	N/A	69.5	60.0	66.4
22-Jan-15	7:45	N/A	N/A	N/A			
22-Jan-15	7:50	N/A	N/A	N/A			
22-Jan-15	7:55	N/A	N/A	N/A			
22-Jan-15	8:00	N/A	N/A	N/A			
22-Jan-15	8:05	N/A	N/A	N/A			
22-Jan-15	8:10	N/A	N/A	N/A	71.5	65.0	69.4
22-Jan-15	8:15	N/A	N/A	N/A			
22-Jan-15	8:20	N/A	N/A	N/A			
22-Jan-15	8:25	N/A	N/A	N/A			
22-Jan-15	8:30	N/A	N/A	N/A			
22-Jan-15	8:35	N/A	N/A	N/A			
22-Jan-15	8:40	N/A	N/A	N/A	72.5	65.0	69.7
22-Jan-15	8:45	N/A	N/A	N/A			
22-Jan-15	8:50	N/A	N/A	N/A			
22-Jan-15	8:55	N/A	N/A	N/A			
22-Jan-15	9:00	N/A	N/A	N/A			
22-Jan-15	9:05	N/A	N/A	N/A			
22-Jan-15	9:10	N/A	N/A	N/A	72.0	66.0	69.9
22-Jan-15	9:15	N/A	N/A	N/A			
22-Jan-15	9:20	N/A	N/A	N/A			
22-Jan-15	9:25	N/A	N/A	N/A			
22-Jan-15	9:30	N/A	N/A	N/A			
22-Jan-15	9:35	N/A	N/A	N/A			
22-Jan-15	9:40	N/A	N/A	N/A	72.5	66.0	70.0
22-Jan-15	9:45	N/A	N/A	N/A			
22-Jan-15	9:50	N/A	N/A	N/A			
22-Jan-15	9:55	N/A	N/A	N/A			
22-Jan-15	10:00	N/A	N/A	N/A			
22-Jan-15	10:05	N/A	N/A	N/A			
22-Jan-15	10:10	N/A	N/A	N/A	71.0	65.0	68.8
22-Jan-15	10:15	N/A	N/A	N/A			
22-Jan-15	10:20	N/A	N/A	N/A			
22-Jan-15	10:25	N/A	N/A	N/A			
22-Jan-15	10:30	N/A	N/A	N/A			
22-Jan-15	10:35	N/A	N/A	N/A			
22-Jan-15	10:40	N/A	N/A	N/A	72.0	66.5	69.9
22-Jan-15	10:45	N/A	N/A	N/A			
22-Jan-15	10:50	N/A	N/A	N/A			
22-Jan-15	10:55	N/A	N/A	N/A			
22-Jan-15	11:00	N/A	N/A	N/A			
22-Jan-15	11:05	N/A	N/A	N/A			
22-Jan-15	11:10	N/A	N/A	N/A	72.5	66.5	71.3
22-Jan-15	11:15	N/A	N/A	N/A			
22-Jan-15	11:20	N/A	N/A	N/A			
22-Jan-15	11:25	N/A	N/A	N/A			
22-Jan-15	11:30	N/A	N/A	N/A			
22-Jan-15	11:35	N/A	N/A	N/A			
22-Jan-15	11:40	N/A	N/A	N/A	71.5	65.5	69.2
22-Jan-15	11:45	N/A	N/A	N/A			
22-Jan-15	11:50	N/A	N/A	N/A			
22-Jan-15	11:55	N/A	N/A	N/A			
22-Jan-15	12:00	N/A	N/A	N/A			
22-Jan-15	12:05	N/A	N/A	N/A			
22-Jan-15	12:10	N/A	N/A	N/A	72.5	66.5	72.1
22-Jan-15	12:15	N/A	N/A	N/A			
22-Jan-15	12:20	N/A	N/A	N/A			
22-Jan-15	12:25	N/A	N/A	N/A			
22-Jan-15	12:30	N/A	N/A	N/A			
22-Jan-15	12:35	N/A	N/A	N/A			
22-Jan-15	12:40	N/A	N/A	N/A	71.5	66.5	69.4
22-Jan-15	12:45	N/A	N/A	N/A			
22-Jan-15	12:50	N/A	N/A	N/A			
22-Jan-15	12:55	N/A	N/A	N/A			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available

2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (30min)	L90 (30min)	Leq (30min)
22-Jan-15	13:00	N/A	N/A	N/A			
22-Jan-15	13:05	N/A	N/A	N/A			
22-Jan-15	13:10	N/A	N/A	N/A	73.0	67.5	71.1
22-Jan-15	13:15	N/A	N/A	N/A			
22-Jan-15	13:20	N/A	N/A	N/A			
22-Jan-15	13:25	N/A	N/A	N/A			
22-Jan-15	13:30	N/A	N/A	N/A			
22-Jan-15	13:35	N/A	N/A	N/A			
22-Jan-15	13:40	N/A	N/A	N/A	71.0	65.5	69.0
22-Jan-15	13:45	N/A	N/A	N/A			
22-Jan-15	13:50	N/A	N/A	N/A			
22-Jan-15	13:55	N/A	N/A	N/A			
22-Jan-15	14:00	N/A	N/A	N/A			
22-Jan-15	14:05	N/A	N/A	N/A			
22-Jan-15	14:10	N/A	N/A	N/A	71.5	66.5	69.6
22-Jan-15	14:15	N/A	N/A	N/A			
22-Jan-15	14:20	N/A	N/A	N/A			
22-Jan-15	14:25	N/A	N/A	N/A			
22-Jan-15	14:30	N/A	N/A	N/A			
22-Jan-15	14:35	N/A	N/A	N/A			
22-Jan-15	14:40	N/A	N/A	N/A	72.0	66.0	69.5
22-Jan-15	14:45	N/A	N/A	N/A			
22-Jan-15	14:50	N/A	N/A	N/A			
22-Jan-15	14:55	N/A	N/A	N/A			
22-Jan-15	15:00	N/A	N/A	N/A			
22-Jan-15	15:05	N/A	N/A	N/A			
22-Jan-15	15:10	N/A	N/A	N/A	71.5	65.0	69.2
22-Jan-15	15:15	N/A	N/A	N/A			
22-Jan-15	15:20	N/A	N/A	N/A			
22-Jan-15	15:25	N/A	N/A	N/A			
22-Jan-15	15:30	N/A	N/A	N/A			
22-Jan-15	15:35	N/A	N/A	N/A			
22-Jan-15	15:40	N/A	N/A	N/A	71.0	66.5	69.2
22-Jan-15	15:45	N/A	N/A	N/A			
22-Jan-15	15:50	N/A	N/A	N/A			
22-Jan-15	15:55	N/A	N/A	N/A			
22-Jan-15	16:00	N/A	N/A	N/A			
22-Jan-15	16:05	N/A	N/A	N/A			
22-Jan-15	16:10	N/A	N/A	N/A	71.5	66.5	69.2
22-Jan-15	16:15	N/A	N/A	N/A			
22-Jan-15	16:20	N/A	N/A	N/A			
22-Jan-15	16:25	N/A	N/A	N/A			
22-Jan-15	16:30	N/A	N/A	N/A			
22-Jan-15	16:35	N/A	N/A	N/A			
22-Jan-15	16:40	N/A	N/A	N/A	72.0	66.5	69.9
22-Jan-15	16:45	N/A	N/A	N/A			
22-Jan-15	16:50	N/A	N/A	N/A			
22-Jan-15	16:55	N/A	N/A	N/A			
22-Jan-15	17:00	N/A	N/A	N/A			
22-Jan-15	17:05	N/A	N/A	N/A			
22-Jan-15	17:10	N/A	N/A	N/A	71.0	66.0	69.1
22-Jan-15	17:15	N/A	N/A	N/A			
22-Jan-15	17:20	N/A	N/A	N/A			
22-Jan-15	17:25	N/A	N/A	N/A			
22-Jan-15	17:30	N/A	N/A	N/A			
22-Jan-15	17:35	N/A	N/A	N/A			
22-Jan-15	17:40	N/A	N/A	N/A	71.0	66.0	69.1
22-Jan-15	17:45	N/A	N/A	N/A			
22-Jan-15	17:50	N/A	N/A	N/A			
22-Jan-15	17:55	N/A	N/A	N/A			
22-Jan-15	18:00	N/A	N/A	N/A			
22-Jan-15	18:05	N/A	N/A	N/A			
22-Jan-15	18:10	N/A	N/A	N/A	70.5	66.0	68.6
22-Jan-15	18:15	N/A	N/A	N/A			
22-Jan-15	18:20	N/A	N/A	N/A			
22-Jan-15	18:25	N/A	N/A	N/A			
22-Jan-15	18:30	N/A	N/A	N/A			
22-Jan-15	18:35	N/A	N/A	N/A			
22-Jan-15	18:40	N/A	N/A	N/A	70.5	64.0	73.9
22-Jan-15	18:45	N/A	N/A	N/A			
22-Jan-15	18:50	N/A	N/A	N/A			
22-Jan-15	18:55	N/A	N/A	N/A			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jan-15	7:00	63.5	52.5	60.2			
25-Jan-15	7:05	62.5	52.5	58.9			
25-Jan-15	7:10	65.0	53.5	61.1	63.0	53.3	59.7
25-Jan-15	7:15	62.0	54.5	58.8			
25-Jan-15	7:20	62.5	53.0	59.3			
25-Jan-15	7:25	62.5	53.5	59.6			
25-Jan-15	7:30	62.0	52.5	58.1			
25-Jan-15	7:35	64.0	53.5	60.4			
25-Jan-15	7:40	64.0	54.0	60.7	62.7	52.9	59.4
25-Jan-15	7:45	62.5	52.5	58.9			
25-Jan-15	7:50	62.5	52.5	59.5			
25-Jan-15	7:55	61.0	52.5	57.7			
25-Jan-15	8:00	63.5	53.5	59.8			
25-Jan-15	8:05	64.0	53.0	59.9			
25-Jan-15	8:10	65.0	53.5	61.3	63.3	53.5	59.9
25-Jan-15	8:15	61.5	53.5	58.6			
25-Jan-15	8:20	63.0	53.5	59.4			
25-Jan-15	8:25	62.5	54.0	59.7			
25-Jan-15	8:30	63.5	54.0	59.6			
25-Jan-15	8:35	63.0	54.5	59.8			
25-Jan-15	8:40	62.5	54.5	59.2	63.0	54.3	59.7
25-Jan-15	8:45	62.5	54.5	58.8			
25-Jan-15	8:50	62.5	54.5	59.1			
25-Jan-15	8:55	64.0	54.0	61.4			
25-Jan-15	9:00	62.5	54.5	59.6			
25-Jan-15	9:05	63.0	55.5	60.0			
25-Jan-15	9:10	66.0	57.5	62.9	64.4	56.2	61.4
25-Jan-15	9:15	64.5	57.0	61.4			
25-Jan-15	9:20	65.5	56.5	62.1			
25-Jan-15	9:25	65.0	56.0	61.8			
25-Jan-15	9:30	65.5	55.0	62.4			
25-Jan-15	9:35	62.5	55.0	59.8			
25-Jan-15	9:40	65.0	54.5	61.5	64.5	55.0	61.5
25-Jan-15	9:45	64.5	54.5	62.1			
25-Jan-15	9:50	66.0	56.5	62.5			
25-Jan-15	9:55	63.5	54.5	59.9			
25-Jan-15	10:00	64.0	55.0	61.2			
25-Jan-15	10:05	62.5	55.0	59.8			
25-Jan-15	10:10	65.5	55.0	61.6	65.6	57.3	63.4
25-Jan-15	10:15	65.5	55.5	62.5			
25-Jan-15	10:20	67.5	60.0	65.1			
25-Jan-15	10:25	68.5	63.0	66.4			
25-Jan-15	10:30	69.0	63.5	66.9			
25-Jan-15	10:35	69.0	64.0	67.2			
25-Jan-15	10:40	69.5	64.0	67.3	69.3	63.9	67.2
25-Jan-15	10:45	69.5	64.0	67.3			
25-Jan-15	10:50	69.5	64.0	67.2			
25-Jan-15	10:55	69.5	64.0	67.1			
25-Jan-15	11:00	71.0	65.0	69.0			
25-Jan-15	11:05	71.0	66.0	68.8			
25-Jan-15	11:10	69.5	64.5	67.5	70.3	64.8	68.2
25-Jan-15	11:15	70.0	64.0	67.7			
25-Jan-15	11:20	71.0	64.5	68.3			
25-Jan-15	11:25	69.5	65.0	67.4			
25-Jan-15	11:30	69.5	65.0	67.8			
25-Jan-15	11:35	69.5	63.0	67.3			
25-Jan-15	11:40	68.0	62.5	65.7	69.3	63.0	67.3
25-Jan-15	11:45	70.5	63.5	68.0			
25-Jan-15	11:50	68.5	62.0	66.8			
25-Jan-15	11:55	70.0	62.0	67.6			
25-Jan-15	12:00	69.0	63.5	66.9			
25-Jan-15	12:05	70.5	65.0	67.9			
25-Jan-15	12:10	69.5	64.5	67.4	69.7	64.6	67.7
25-Jan-15	12:15	69.5	64.5	67.6			
25-Jan-15	12:20	70.0	65.0	68.7			
25-Jan-15	12:25	69.5	65.0	67.5			
25-Jan-15	12:30	70.5	65.5	69.0			
25-Jan-15	12:35	70.0	64.5	68.2			
25-Jan-15	12:40	68.5	64.5	66.8	70.5	64.8	68.6
25-Jan-15	12:45	72.5	65.0	70.4			
25-Jan-15	12:50	69.5	64.5	67.5			
25-Jan-15	12:55	72.0	64.5	69.0			

Noise Monitoring Results NM3

Note: 1) For data on 22-Jan-15, only Leq(30min), L10(30min) and L90 (30min) are available
2) Data on 10 & 11-Aug have been disregarded due to interference of outlying data

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jan-15	13:00	70.5	65.0	68.3			
25-Jan-15	13:05	70.0	64.5	68.0			
25-Jan-15	13:10	69.5	64.0	67.5	70.1	64.6	68.0
25-Jan-15	13:15	70.5	65.0	68.1			
25-Jan-15	13:20	70.0	64.5	68.0			
25-Jan-15	13:25	70.0	64.5	67.8			
25-Jan-15	13:30	70.0	65.0	67.9			
25-Jan-15	13:35	70.5	65.5	68.9			
25-Jan-15	13:40	70.0	65.0	67.9	70.2	64.9	69.6
25-Jan-15	13:45	70.0	65.5	67.8			
25-Jan-15	13:50	69.5	64.0	67.5			
25-Jan-15	13:55	71.0	64.5	73.5			
25-Jan-15	14:00	70.0	64.5	67.8			
25-Jan-15	14:05	70.5	64.5	67.9			
25-Jan-15	14:10	71.5	65.5	70.1	70.3	64.8	68.4
25-Jan-15	14:15	69.5	65.5	67.6			
25-Jan-15	14:20	70.5	64.0	67.9			
25-Jan-15	14:25	70.0	64.5	68.8			
25-Jan-15	14:30	73.5	65.5	75.1			
25-Jan-15	14:35	69.5	64.5	67.6			
25-Jan-15	14:40	71.5	65.5	70.3	70.5	64.8	70.4
25-Jan-15	14:45	70.0	65.0	68.0			
25-Jan-15	14:50	69.5	64.0	67.4			
25-Jan-15	14:55	69.0	64.5	67.2			
25-Jan-15	15:00	69.5	65.5	68.0			
25-Jan-15	15:05	69.5	65.5	67.8			
25-Jan-15	15:10	70.0	65.0	68.5	69.6	64.8	67.9
25-Jan-15	15:15	69.5	65.0	67.7			
25-Jan-15	15:20	70.5	65.0	68.3			
25-Jan-15	15:25	68.5	63.0	66.6			
25-Jan-15	15:30	68.5	63.5	66.5			
25-Jan-15	15:35	68.0	63.0	66.0			
25-Jan-15	15:40	69.0	62.5	66.6	69.3	63.4	67.1
25-Jan-15	15:45	69.5	62.5	66.8			
25-Jan-15	15:50	70.5	63.5	67.9			
25-Jan-15	15:55	70.0	65.5	68.3			
25-Jan-15	16:00	70.0	65.0	67.8			
25-Jan-15	16:05	70.0	65.0	67.9			
25-Jan-15	16:10	70.0	63.5	67.6	70.1	64.8	67.8
25-Jan-15	16:15	70.0	65.0	67.8			
25-Jan-15	16:20	70.0	65.5	67.9			
25-Jan-15	16:25	70.5	65.0	68.0			
25-Jan-15	16:30	70.0	65.0	67.8			
25-Jan-15	16:35	69.5	64.5	67.4			
25-Jan-15	16:40	70.5	65.0	68.6	70.0	64.8	68.1
25-Jan-15	16:45	70.0	64.5	67.6			
25-Jan-15	16:50	69.5	64.5	67.8			
25-Jan-15	16:55	70.5	65.5	68.9			
25-Jan-15	17:00	70.0	65.0	68.9			
25-Jan-15	17:05	70.0	64.5	67.5			
25-Jan-15	17:10	69.5	65.5	67.5	71.1	65.1	69.9
25-Jan-15	17:15	70.0	65.0	68.0			
25-Jan-15	17:20	69.5	65.0	67.7			
25-Jan-15	17:25	77.5	65.5	74.4			
25-Jan-15	17:30	70.5	65.0	68.2			
25-Jan-15	17:35	69.5	65.0	68.0			
25-Jan-15	17:40	69.5	65.5	67.5	69.9	65.1	67.9
25-Jan-15	17:45	70.0	65.5	68.1			
25-Jan-15	17:50	69.5	64.5	67.5			
25-Jan-15	17:55	70.5	65.0	68.3			
25-Jan-15	18:00	70.0	65.5	67.9			
25-Jan-15	18:05	70.0	65.0	67.4			
25-Jan-15	18:10	70.5	66.0	68.6	69.9	65.3	67.9
25-Jan-15	18:15	69.5	65.0	67.5			
25-Jan-15	18:20	69.0	65.0	67.3			
25-Jan-15	18:25	70.5	65.5	68.6			
25-Jan-15	18:30	69.5	65.0	67.8			
25-Jan-15	18:35	70.0	65.0	67.9			
25-Jan-15	18:40	69.0	64.5	67.1	69.5	64.9	67.6
25-Jan-15	18:45	70.0	65.5	68.1			
25-Jan-15	18:50	69.0	65.0	67.4			
25-Jan-15	18:55	69.5	64.5	67.3			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
22-Jul-14	7:00	75.7	65.9	73.1			
22-Jul-14	7:05	75.9	63.8	73.3			
22-Jul-14	7:10	76.7	69.7	74.0	75.9	67.6	73.3
22-Jul-14	7:15	76.1	68.4	73.3			
22-Jul-14	7:20	76.0	68.6	73.3			
22-Jul-14	7:25	75.1	69.0	73.0			
22-Jul-14	7:30	76.5	69.4	73.9			
22-Jul-14	7:35	76.4	68.0	73.6			
22-Jul-14	7:40	76.2	69.6	73.7	76.1	69.2	73.7
22-Jul-14	7:45	76.6	69.6	74.0			
22-Jul-14	7:50	75.8	69.9	73.8			
22-Jul-14	7:55	75.4	68.8	73.3			
22-Jul-14	8:00	76.9	70.7	74.6			
22-Jul-14	8:05	76.9	72.3	74.9			
22-Jul-14	8:10	77.1	72.1	75.1	77.1	72.0	75.1
22-Jul-14	8:15	77.3	71.7	75.1			
22-Jul-14	8:20	77.6	73.1	75.8			
22-Jul-14	8:25	76.6	72.0	74.8			
22-Jul-14	8:30	76.4	71.5	74.5			
22-Jul-14	8:35	77.1	72.6	75.4			
22-Jul-14	8:40	77.7	72.8	75.5	77.0	72.2	75.1
22-Jul-14	8:45	77.4	71.6	75.1			
22-Jul-14	8:50	76.9	72.2	75.0			
22-Jul-14	8:55	76.8	72.7	74.9			
22-Jul-14	9:00	76.2	72.2	74.4			
22-Jul-14	9:05	77.3	73.0	75.5			
22-Jul-14	9:10	78.0	72.9	76.5	77.3	72.8	75.5
22-Jul-14	9:15	78.3	73.0	76.0			
22-Jul-14	9:20	76.6	72.7	74.9			
22-Jul-14	9:25	77.5	73.0	75.5			
22-Jul-14	9:30	75.8	72.5	74.5			
22-Jul-14	9:35	75.7	70.7	73.6			
22-Jul-14	9:40	76.8	72.4	74.8	75.9	71.7	74.1
22-Jul-14	9:45	77.0	71.8	74.7			
22-Jul-14	9:50	75.0	70.9	73.3			
22-Jul-14	9:55	75.3	71.7	73.8			
22-Jul-14	10:00	76.2	71.5	74.2			
22-Jul-14	10:05	76.0	72.2	74.3			
22-Jul-14	10:10	76.5	72.0	74.5	76.1	71.4	74.4
22-Jul-14	10:15	76.0	70.6	74.1			
22-Jul-14	10:20	75.4	71.3	73.7			
22-Jul-14	10:25	76.7	71.1	75.6			
22-Jul-14	10:30	75.5	71.1	73.7			
22-Jul-14	10:35	74.7	70.3	72.9			
22-Jul-14	10:40	75.8	71.6	74.1	75.7	71.1	73.9
22-Jul-14	10:45	76.4	71.4	74.6			
22-Jul-14	10:50	75.3	70.8	73.4			
22-Jul-14	10:55	76.3	71.4	74.3			
22-Jul-14	11:00	76.7	71.5	74.5			
22-Jul-14	11:05	76.4	71.9	74.5			
22-Jul-14	11:10	75.3	71.5	73.5	76.2	71.5	74.3
22-Jul-14	11:15	76.0	71.7	74.2			
22-Jul-14	11:20	76.9	71.2	75.3			
22-Jul-14	11:25	76.0	71.2	73.8			
22-Jul-14	11:30	75.6	70.6	73.7			
22-Jul-14	11:35	75.3	71.4	73.5			
22-Jul-14	11:40	74.9	70.4	72.9	75.4	70.4	73.3
22-Jul-14	11:45	76.0	70.2	73.9			
22-Jul-14	11:50	75.3	69.8	73.1			
22-Jul-14	11:55	75.1	70.4	73.0			
22-Jul-14	12:00	74.9	70.0	72.8			
22-Jul-14	12:05	74.8	69.9	72.7			
22-Jul-14	12:10	74.3	69.6	72.5	74.9	70.1	72.9
22-Jul-14	12:15	75.9	70.2	73.5			
22-Jul-14	12:20	74.8	70.3	72.9			
22-Jul-14	12:25	74.9	70.4	73.0			
22-Jul-14	12:30	74.8	70.5	73.0			
22-Jul-14	12:35	75.5	70.5	73.3			
22-Jul-14	12:40	74.0	68.1	71.6	75.0	69.7	73.0
22-Jul-14	12:45	75.3	69.3	72.9			
22-Jul-14	12:50	75.1	68.9	72.6			
22-Jul-14	12:55	75.6	70.7	74.0			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
22-Jul-14	13:00	74.8	70.2	72.9			
22-Jul-14	13:05	75.1	70.6	73.3			
22-Jul-14	13:10	74.8	70.4	73.0	75.1	70.8	73.3
22-Jul-14	13:15	76.2	71.5	74.0			
22-Jul-14	13:20	74.9	71.0	73.1			
22-Jul-14	13:25	74.9	71.1	73.2			
22-Jul-14	13:30	75.5	69.5	73.1			
22-Jul-14	13:35	75.6	70.6	73.4			
22-Jul-14	13:40	75.4	70.8	73.6	75.5	70.5	73.5
22-Jul-14	13:45	75.7	70.5	73.3			
22-Jul-14	13:50	75.5	70.5	73.6			
22-Jul-14	13:55	75.4	71.1	73.7			
22-Jul-14	14:00	75.4	71.6	73.9			
22-Jul-14	14:05	75.5	71.0	73.4			
22-Jul-14	14:10	75.7	71.2	74.0	75.3	71.2	73.6
22-Jul-14	14:15	75.2	71.5	73.9			
22-Jul-14	14:20	74.6	70.9	73.0			
22-Jul-14	14:25	75.5	70.9	73.6			
22-Jul-14	14:30	75.5	71.5	73.7			
22-Jul-14	14:35	75.4	71.5	73.7			
22-Jul-14	14:40	75.4	70.8	73.7	75.5	71.2	73.7
22-Jul-14	14:45	76.2	71.8	74.3			
22-Jul-14	14:50	75.3	70.4	73.5			
22-Jul-14	14:55	75.4	71.3	73.6			
22-Jul-14	15:00	75.4	70.7	73.2			
22-Jul-14	15:05	76.1	71.0	73.8			
22-Jul-14	15:10	74.7	71.1	73.1	75.4	70.8	73.4
22-Jul-14	15:15	75.7	70.8	73.7			
22-Jul-14	15:20	76.1	70.9	73.9			
22-Jul-14	15:25	74.7	70.3	72.9			
22-Jul-14	15:30	74.9	71.1	73.5			
22-Jul-14	15:35	74.5	70.8	72.9			
22-Jul-14	15:40	75.7	71.1	73.6	75.2	70.9	73.4
22-Jul-14	15:45	75.7	70.6	73.6			
22-Jul-14	15:50	75.3	70.7	73.2			
22-Jul-14	15:55	75.2	71.1	73.4			
22-Jul-14	16:00	75.1	70.7	73.3			
22-Jul-14	16:05	75.9	71.3	73.7			
22-Jul-14	16:10	75.2	71.4	73.5	75.3	71.1	73.5
22-Jul-14	16:15	75.6	71.7	73.9			
22-Jul-14	16:20	75.5	70.4	73.3			
22-Jul-14	16:25	74.8	70.9	73.1			
22-Jul-14	16:30	74.8	69.9	72.9			
22-Jul-14	16:35	75.5	69.6	73.5			
22-Jul-14	16:40	75.3	70.0	72.9	75.1	69.6	73.0
22-Jul-14	16:45	75.1	70.0	73.0			
22-Jul-14	16:50	75.5	69.2	73.1			
22-Jul-14	16:55	74.6	69.0	72.6			
22-Jul-14	17:00	74.9	69.4	73.0			
22-Jul-14	17:05	75.1	69.7	72.9			
22-Jul-14	17:10	75.5	69.5	73.0	74.8	69.6	72.8
22-Jul-14	17:15	74.3	70.1	72.7			
22-Jul-14	17:20	75.2	69.6	73.0			
22-Jul-14	17:25	73.9	69.1	72.0			
22-Jul-14	17:30	80.3	69.4	77.6			
22-Jul-14	17:35	75.0	69.7	73.4			
22-Jul-14	17:40	74.8	70.0	73.0	75.5	69.6	74.0
22-Jul-14	17:45	74.1	69.0	72.2			
22-Jul-14	17:50	75.2	70.1	73.0			
22-Jul-14	17:55	73.8	69.5	72.0			
22-Jul-14	18:00	75.1	69.5	72.8			
22-Jul-14	18:05	74.2	69.3	72.2			
22-Jul-14	18:10	74.8	69.1	72.5	74.7	69.5	72.7
22-Jul-14	18:15	74.2	69.7	72.6			
22-Jul-14	18:20	75.6	69.8	73.1			
22-Jul-14	18:25	74.6	69.5	72.7			
22-Jul-14	18:30	75.1	69.9	73.2			
22-Jul-14	18:35	74.4	69.3	72.4			
22-Jul-14	18:40	75.4	69.1	73.2	74.4	69.0	72.5
22-Jul-14	18:45	74.4	69.4	72.3			
22-Jul-14	18:50	73.1	67.7	71.3			
22-Jul-14	18:55	74.0	68.7	72.1			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
23-Jul-14	7:00	74.3	66.8	71.4			
23-Jul-14	7:05	74.2	63.0	71.0			
23-Jul-14	7:10	72.8	64.6	70.0	74.1	65.1	71.1
23-Jul-14	7:15	74.3	65.0	71.1			
23-Jul-14	7:20	74.6	64.2	71.4			
23-Jul-14	7:25	74.4	66.9	71.6			
23-Jul-14	7:30	74.0	67.0	71.5			
23-Jul-14	7:35	73.6	66.4	71.0			
23-Jul-14	7:40	74.3	67.6	71.9	74.5	67.3	71.9
23-Jul-14	7:45	75.5	65.9	72.4			
23-Jul-14	7:50	74.9	67.9	72.4			
23-Jul-14	7:55	74.4	68.8	72.3			
23-Jul-14	8:00	75.4	68.2	72.9			
23-Jul-14	8:05	75.7	68.8	73.3			
23-Jul-14	8:10	75.7	67.4	73.0	75.7	69.3	73.4
23-Jul-14	8:15	75.8	70.1	73.6			
23-Jul-14	8:20	75.8	70.1	73.5			
23-Jul-14	8:25	76.2	71.2	74.2			
23-Jul-14	8:30	76.3	70.8	74.1			
23-Jul-14	8:35	75.4	70.4	73.4			
23-Jul-14	8:40	76.0	70.4	73.8	76.2	71.0	74.1
23-Jul-14	8:45	76.1	71.3	74.2			
23-Jul-14	8:50	76.8	71.3	74.6			
23-Jul-14	8:55	76.4	71.6	74.5			
23-Jul-14	9:00	76.4	70.7	74.3			
23-Jul-14	9:05	75.9	71.1	73.9			
23-Jul-14	9:10	75.8	70.5	73.6	76.2	71.0	74.0
23-Jul-14	9:15	76.4	70.4	74.0			
23-Jul-14	9:20	76.6	71.6	74.2			
23-Jul-14	9:25	76.2	71.6	74.2			
23-Jul-14	9:30	75.8	71.0	73.7			
23-Jul-14	9:35	76.1	71.5	74.1			
23-Jul-14	9:40	75.2	70.7	73.3	76.1	70.4	73.8
23-Jul-14	9:45	76.8	69.7	74.1			
23-Jul-14	9:50	76.2	69.3	73.6			
23-Jul-14	9:55	76.5	70.0	73.7			
23-Jul-14	10:00	76.2	70.9	74.2			
23-Jul-14	10:05	75.4	70.7	73.8			
23-Jul-14	10:10	75.2	70.5	73.2	75.5	70.6	73.7
23-Jul-14	10:15	75.2	70.5	73.5			
23-Jul-14	10:20	75.3	70.5	73.5			
23-Jul-14	10:25	75.9	70.2	73.8			
23-Jul-14	10:30	75.3	69.6	72.8			
23-Jul-14	10:35	75.2	70.5	73.0			
23-Jul-14	10:40	75.8	70.1	73.6	75.6	70.1	73.3
23-Jul-14	10:45	75.8	69.8	73.5			
23-Jul-14	10:50	75.6	70.2	73.2			
23-Jul-14	10:55	75.6	70.4	73.4			
23-Jul-14	11:00	78.9	71.2	76.9			
23-Jul-14	11:05	76.2	70.9	74.0			
23-Jul-14	11:10	76.9	69.6	79.7	76.3	70.7	75.9
23-Jul-14	11:15	75.5	70.7	73.4			
23-Jul-14	11:20	75.1	70.6	73.3			
23-Jul-14	11:25	75.2	70.9	73.3			
23-Jul-14	11:30	75.1	70.0	72.9			
23-Jul-14	11:35	75.3	70.4	73.4			
23-Jul-14	11:40	74.7	69.7	72.8	75.7	70.8	73.9
23-Jul-14	11:45	74.7	69.9	73.0			
23-Jul-14	11:50	77.0	71.3	74.7			
23-Jul-14	11:55	77.6	73.7	75.9			
23-Jul-14	12:00	77.8	74.0	76.2			
23-Jul-14	12:05	75.5	71.7	74.0			
23-Jul-14	12:10	76.5	71.0	74.5	76.4	72.1	74.7
23-Jul-14	12:15	77.2	72.8	75.1			
23-Jul-14	12:20	76.4	72.2	74.6			
23-Jul-14	12:25	74.8	70.6	73.1			
23-Jul-14	12:30	75.6	70.2	73.2			
23-Jul-14	12:35	75.5	70.5	73.5			
23-Jul-14	12:40	74.4	70.3	72.7	75.1	70.1	73.1
23-Jul-14	12:45	75.8	70.0	73.4			
23-Jul-14	12:50	74.5	69.8	72.7			
23-Jul-14	12:55	74.8	69.9	72.7			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
23-Jul-14	13:00	74.3	69.8	72.4			
23-Jul-14	13:05	74.9	70.4	72.9			
23-Jul-14	13:10	75.0	70.9	73.3	75.8	70.2	74.1
23-Jul-14	13:15	75.8	70.3	73.5			
23-Jul-14	13:20	78.5	70.6	76.6			
23-Jul-14	13:25	76.4	69.5	74.4			
23-Jul-14	13:30	75.5	71.4	73.7			
23-Jul-14	13:35	76.0	70.3	74.6			
23-Jul-14	13:40	75.3	71.0	73.2	75.4	70.6	73.6
23-Jul-14	13:45	74.8	70.4	73.1			
23-Jul-14	13:50	75.7	71.4	73.8			
23-Jul-14	13:55	75.0	69.2	72.8			
23-Jul-14	14:00	74.7	70.1	72.7			
23-Jul-14	14:05	74.2	69.8	72.4			
23-Jul-14	14:10	75.7	70.6	73.3	74.8	70.1	72.8
23-Jul-14	14:15	75.3	70.4	73.2			
23-Jul-14	14:20	74.7	70.2	72.7			
23-Jul-14	14:25	74.1	69.8	72.5			
23-Jul-14	14:30	74.9	70.5	73.0			
23-Jul-14	14:35	73.9	69.9	72.4			
23-Jul-14	14:40	74.8	70.5	73.0	75.0	70.5	73.1
23-Jul-14	14:45	75.6	71.1	73.6			
23-Jul-14	14:50	75.2	71.0	73.4			
23-Jul-14	14:55	75.4	70.1	73.3			
23-Jul-14	15:00	75.1	69.8	72.9			
23-Jul-14	15:05	75.0	69.9	73.1			
23-Jul-14	15:10	74.8	70.0	72.8	74.9	70.1	72.9
23-Jul-14	15:15	74.5	70.2	72.8			
23-Jul-14	15:20	75.1	70.6	72.8			
23-Jul-14	15:25	74.7	70.3	72.9			
23-Jul-14	15:30	74.9	71.1	73.5			
23-Jul-14	15:35	74.5	70.8	72.9			
23-Jul-14	15:40	75.7	71.1	73.6	74.8	70.8	73.2
23-Jul-14	15:45	74.4	70.0	72.5			
23-Jul-14	15:50	74.5	70.7	72.9			
23-Jul-14	15:55	75.0	71.0	73.5			
23-Jul-14	16:00	75.1	69.5	72.5			
23-Jul-14	16:05	75.3	71.1	73.6			
23-Jul-14	16:10	73.4	69.5	71.7	74.7	70.3	72.8
23-Jul-14	16:15	74.7	70.2	72.9			
23-Jul-14	16:20	75.3	70.6	73.2			
23-Jul-14	16:25	74.3	70.9	72.8			
23-Jul-14	16:30	74.7	70.1	72.8			
23-Jul-14	16:35	76.4	69.6	73.7			
23-Jul-14	16:40	75.0	70.0	72.9	75.6	70.0	73.5
23-Jul-14	16:45	76.6	70.4	74.5			
23-Jul-14	16:50	76.3	70.9	74.0			
23-Jul-14	16:55	74.7	68.9	72.6			
23-Jul-14	17:00	75.8	69.7	73.4			
23-Jul-14	17:05	74.9	69.2	72.6			
23-Jul-14	17:10	75.9	69.7	76.4	75.4	69.7	73.8
23-Jul-14	17:15	75.1	69.0	72.6			
23-Jul-14	17:20	75.1	70.3	73.2			
23-Jul-14	17:25	75.5	70.3	73.3			
23-Jul-14	17:30	75.3	70.0	73.1			
23-Jul-14	17:35	75.1	68.9	73.2			
23-Jul-14	17:40	79.4	70.3	76.4	75.8	69.8	73.8
23-Jul-14	17:45	74.8	69.8	72.8			
23-Jul-14	17:50	74.9	69.8	73.0			
23-Jul-14	17:55	75.3	69.7	73.2			
23-Jul-14	18:00	75.4	70.2	73.3			
23-Jul-14	18:05	74.9	69.8	72.9			
23-Jul-14	18:10	75.6	69.6	72.9	75.1	69.7	72.9
23-Jul-14	18:15	74.7	69.6	72.5			
23-Jul-14	18:20	76.1	70.0	73.3			
23-Jul-14	18:25	74.3	69.1	72.3			
23-Jul-14	18:30	74.9	69.3	72.7			
23-Jul-14	18:35	74.1	68.8	72.2			
23-Jul-14	18:40	75.1	69.2	73.8	74.4	68.9	72.6
23-Jul-14	18:45	74.3	69.5	72.7			
23-Jul-14	18:50	74.1	68.2	72.0			
23-Jul-14	18:55	74.0	68.5	72.2			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
24-Jul-14	7:00	73.7	61.6	70.4			
24-Jul-14	7:05	73.2	65.2	70.5			
24-Jul-14	7:10	73.5	62.2	70.3	73.8	64.2	70.8
24-Jul-14	7:15	74.0	66.4	71.4			
24-Jul-14	7:20	74.0	63.2	70.2			
24-Jul-14	7:25	74.6	66.5	71.9			
24-Jul-14	7:30	74.4	65.6	71.5			
24-Jul-14	7:35	74.6	67.1	72.1			
24-Jul-14	7:40	75.6	67.3	72.9	74.9	67.0	72.2
24-Jul-14	7:45	75.4	66.8	72.6			
24-Jul-14	7:50	74.6	66.5	71.6			
24-Jul-14	7:55	75.0	68.5	72.5			
24-Jul-14	8:00	75.0	69.2	72.7			
24-Jul-14	8:05	76.1	67.5	73.4			
24-Jul-14	8:10	75.4	67.8	72.8	75.5	69.2	73.2
24-Jul-14	8:15	75.0	69.8	73.3			
24-Jul-14	8:20	75.9	70.6	73.6			
24-Jul-14	8:25	75.8	70.4	73.5			
24-Jul-14	8:30	77.0	71.3	74.7			
24-Jul-14	8:35	76.5	71.0	74.6			
24-Jul-14	8:40	75.9	70.3	73.7	76.1	70.8	74.1
24-Jul-14	8:45	76.2	70.7	74.2			
24-Jul-14	8:50	75.6	71.0	73.7			
24-Jul-14	8:55	75.6	70.5	73.4			
24-Jul-14	9:00	75.4	71.2	73.6			
24-Jul-14	9:05	76.1	71.8	74.3			
24-Jul-14	9:10	75.5	71.4	73.8	75.8	71.2	73.9
24-Jul-14	9:15	75.9	70.7	73.6			
24-Jul-14	9:20	76.2	71.1	74.0			
24-Jul-14	9:25	75.8	70.9	73.9			
24-Jul-14	9:30	75.5	70.7	73.5			
24-Jul-14	9:35	75.9	70.7	74.4			
24-Jul-14	9:40	75.0	71.3	73.4	75.6	70.9	73.7
24-Jul-14	9:45	76.0	70.9	73.8			
24-Jul-14	9:50	75.4	71.1	73.7			
24-Jul-14	9:55	75.9	70.6	73.6			
24-Jul-14	10:00	75.0	71.0	73.2			
24-Jul-14	10:05	76.7	71.3	74.3			
24-Jul-14	10:10	75.5	70.6	73.5	75.5	70.8	73.6
24-Jul-14	10:15	75.8	70.8	73.7			
24-Jul-14	10:20	74.5	70.2	73.0			
24-Jul-14	10:25	75.8	71.0	73.8			
24-Jul-14	10:30	75.4	70.3	73.6			
24-Jul-14	10:35	75.9	70.8	73.6			
24-Jul-14	10:40	80.1	71.9	77.6	76.0	70.6	74.4
24-Jul-14	10:45	75.3	70.4	73.1			
24-Jul-14	10:50	75.1	69.6	73.2			
24-Jul-14	10:55	74.6	70.6	73.2			
24-Jul-14	11:00	74.9	70.4	72.8			
24-Jul-14	11:05	75.8	70.8	74.0			
24-Jul-14	11:10	74.4	69.8	72.4	75.3	70.6	73.4
24-Jul-14	11:15	75.7	71.3	73.8			
24-Jul-14	11:20	75.5	71.5	73.8			
24-Jul-14	11:25	75.7	70.1	73.4			
24-Jul-14	11:30	76.2	72.5	74.5			
24-Jul-14	11:35	76.0	71.6	74.2			
24-Jul-14	11:40	75.8	71.8	74.1	75.8	71.6	74.0
24-Jul-14	11:45	75.4	71.6	73.7			
24-Jul-14	11:50	75.1	70.5	73.2			
24-Jul-14	11:55	76.2	71.8	74.2			
24-Jul-14	12:00	76.3	71.2	74.5			
24-Jul-14	12:05	75.0	70.8	73.4			
24-Jul-14	12:10	74.9	70.6	73.1	75.3	70.2	75.5
24-Jul-14	12:15	74.7	69.5	72.7			
24-Jul-14	12:20	74.7	69.8	72.9			
24-Jul-14	12:25	76.4	69.3	80.1			
24-Jul-14	12:30	74.4	70.1	72.7			
24-Jul-14	12:35	74.7	69.7	72.2			
24-Jul-14	12:40	74.2	69.5	72.6	75.2	70.0	73.2
24-Jul-14	12:45	76.2	70.6	73.8			
24-Jul-14	12:50	77.2	70.2	74.9			
24-Jul-14	12:55	74.7	69.8	72.4			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
24-Jul-14	13:00	75.0	69.0	72.6			
24-Jul-14	13:05	75.4	70.5	73.1			
24-Jul-14	13:10	74.0	69.6	72.3	75.0	69.8	73.0
24-Jul-14	13:15	75.0	70.3	73.5			
24-Jul-14	13:20	74.8	69.5	73.0			
24-Jul-14	13:25	75.8	70.0	73.3			
24-Jul-14	13:30	75.0	69.3	72.5			
24-Jul-14	13:35	75.2	69.1	72.8			
24-Jul-14	13:40	74.2	69.5	72.2	74.8	69.6	72.7
24-Jul-14	13:45	75.7	69.9	73.4			
24-Jul-14	13:50	74.6	69.5	72.6			
24-Jul-14	13:55	74.4	70.3	72.8			
24-Jul-14	14:00	74.0	70.2	72.3			
24-Jul-14	14:05	75.2	70.7	73.3			
24-Jul-14	14:10	75.9	71.2	74.3	75.0	70.5	73.2
24-Jul-14	14:15	74.8	70.1	72.8			
24-Jul-14	14:20	75.5	70.1	73.3			
24-Jul-14	14:25	74.6	70.9	73.0			
24-Jul-14	14:30	74.7	70.7	73.0			
24-Jul-14	14:35	74.6	70.6	73.0			
24-Jul-14	14:40	75.4	70.4	73.5	74.5	70.3	72.8
24-Jul-14	14:45	74.5	70.8	73.0			
24-Jul-14	14:50	74.4	70.3	72.5			
24-Jul-14	14:55	73.4	68.8	71.6			
24-Jul-14	15:00	75.1	69.9	73.2			
24-Jul-14	15:05	74.7	69.7	72.5			
24-Jul-14	15:10	74.7	70.1	72.8	74.7	70.2	73.0
24-Jul-14	15:15	74.6	70.6	73.0			
24-Jul-14	15:20	74.8	70.7	73.7			
24-Jul-14	15:25	74.1	70.6	72.7			
24-Jul-14	15:30	74.3	69.6	72.3			
24-Jul-14	15:35	74.8	70.2	72.9			
24-Jul-14	15:40	76.1	70.3	73.7	76.4	71.2	74.6
24-Jul-14	15:45	78.5	72.6	76.3			
24-Jul-14	15:50	77.7	72.2	75.6			
24-Jul-14	15:55	77.2	72.5	75.3			
24-Jul-14	16:00	79.0	73.6	76.8			
24-Jul-14	16:05	78.4	73.4	76.3			
24-Jul-14	16:10	76.9	73.0	75.5	77.5	72.8	75.7
24-Jul-14	16:15	77.7	72.8	75.6			
24-Jul-14	16:20	76.8	72.8	75.0			
24-Jul-14	16:25	76.5	71.3	74.4			
24-Jul-14	16:30	74.9	70.8	73.2			
24-Jul-14	16:35	76.4	69.6	74.1			
24-Jul-14	16:40	75.7	70.8	73.7	76.2	70.7	74.1
24-Jul-14	16:45	77.4	70.8	74.8			
24-Jul-14	16:50	76.5	71.8	74.7			
24-Jul-14	16:55	76.4	70.5	74.2			
24-Jul-14	17:00	75.8	69.7	73.5			
24-Jul-14	17:05	75.7	70.6	73.6			
24-Jul-14	17:10	75.5	70.7	73.8	75.9	70.5	73.7
24-Jul-14	17:15	75.8	70.6	73.6			
24-Jul-14	17:20	76.3	70.6	74.2			
24-Jul-14	17:25	76.2	70.6	73.8			
24-Jul-14	17:30	75.3	70.5	73.1			
24-Jul-14	17:35	76.9	71.0	74.6			
24-Jul-14	17:40	77.3	71.0	74.9	76.7	70.8	74.3
24-Jul-14	17:45	77.1	70.7	74.5			
24-Jul-14	17:50	76.0	71.2	73.9			
24-Jul-14	17:55	77.7	70.8	74.8			
24-Jul-14	18:00	77.6	70.7	74.9			
24-Jul-14	18:05	76.9	71.1	74.4			
24-Jul-14	18:10	76.5	69.8	74.3	77.8	71.8	75.8
24-Jul-14	18:15	77.6	71.9	75.5			
24-Jul-14	18:20	80.8	73.8	78.7			
24-Jul-14	18:25	77.3	73.4	75.6			
24-Jul-14	18:30	75.0	69.3	72.9			
24-Jul-14	18:35	74.6	69.7	72.9			
24-Jul-14	18:40	73.6	69.2	71.9	74.5	69.2	72.6
24-Jul-14	18:45	75.3	68.9	72.9			
24-Jul-14	18:50	74.6	69.3	72.8			
24-Jul-14	18:55	74.1	68.8	72.2			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jul-14	7:00	75.2	65.4	71.7			
25-Jul-14	7:05	72.4	62.8	69.9			
25-Jul-14	7:10	72.6	61.7	69.6	74.4	63.6	74.7
25-Jul-14	7:15	74.8	63.5	71.1			
25-Jul-14	7:20	77.5	64.4	80.8			
25-Jul-14	7:25	73.6	63.9	70.4			
25-Jul-14	7:30	75.1	68.4	72.5			
25-Jul-14	7:35	73.4	64.7	70.8			
25-Jul-14	7:40	75.6	65.8	72.3	74.9	66.1	72.1
25-Jul-14	7:45	75.5	66.3	72.7			
25-Jul-14	7:50	75.0	65.2	71.9			
25-Jul-14	7:55	74.7	66.5	72.2			
25-Jul-14	8:00	75.4	66.3	72.7			
25-Jul-14	8:05	74.3	66.1	71.6			
25-Jul-14	8:10	76.1	68.3	73.2	77.4	68.3	75.3
25-Jul-14	8:15	78.6	67.9	75.6			
25-Jul-14	8:20	79.3	70.3	76.7			
25-Jul-14	8:25	80.4	70.8	78.3			
25-Jul-14	8:30	79.0	70.4	75.7			
25-Jul-14	8:35	79.9	71.8	77.5			
25-Jul-14	8:40	79.8	71.5	77.0	78.6	70.4	76.5
25-Jul-14	8:45	76.0	68.1	73.5			
25-Jul-14	8:50	75.1	69.0	72.8			
25-Jul-14	8:55	81.8	71.9	79.2			
25-Jul-14	9:00	81.4	73.4	79.1			
25-Jul-14	9:05	79.6	72.9	77.2			
25-Jul-14	9:10	80.0	74.2	78.1	80.4	73.6	78.2
25-Jul-14	9:15	80.1	74.2	78.1			
25-Jul-14	9:20	80.3	73.8	78.0			
25-Jul-14	9:25	81.0	73.3	78.5			
25-Jul-14	9:30	79.4	72.7	77.4			
25-Jul-14	9:35	79.9	72.0	77.5			
25-Jul-14	9:40	81.0	72.2	78.3	79.0	71.4	76.6
25-Jul-14	9:45	78.5	71.2	75.9			
25-Jul-14	9:50	78.3	70.2	75.1			
25-Jul-14	9:55	76.6	70.0	73.9			
25-Jul-14	10:00	77.4	69.9	75.5			
25-Jul-14	10:05	79.5	72.2	77.2			
25-Jul-14	10:10	78.8	73.1	76.6	78.6	72.2	76.5
25-Jul-14	10:15	78.4	72.6	76.2			
25-Jul-14	10:20	78.6	72.3	76.5			
25-Jul-14	10:25	78.7	73.2	76.6			
25-Jul-14	10:30	77.7	71.4	75.3			
25-Jul-14	10:35	79.7	72.7	77.4			
25-Jul-14	10:40	79.3	74.4	77.4	78.3	72.4	76.3
25-Jul-14	10:45	79.2	73.5	77.1			
25-Jul-14	10:50	78.2	71.3	75.8			
25-Jul-14	10:55	75.8	70.9	73.7			
25-Jul-14	11:00	77.8	71.4	76.7			
25-Jul-14	11:05	76.3	71.0	74.4			
25-Jul-14	11:10	74.4	70.2	72.9	77.2	71.5	75.4
25-Jul-14	11:15	77.0	72.3	74.9			
25-Jul-14	11:20	78.0	71.8	75.4			
25-Jul-14	11:25	79.4	72.4	76.8			
25-Jul-14	11:30	78.3	71.2	75.3			
25-Jul-14	11:35	78.6	71.5	75.8			
25-Jul-14	11:40	79.8	72.8	77.1	78.3	71.8	75.9
25-Jul-14	11:45	79.6	74.3	77.4			
25-Jul-14	11:50	78.1	70.3	75.1			
25-Jul-14	11:55	75.3	70.9	73.5			
25-Jul-14	12:00	76.1	71.9	74.7			
25-Jul-14	12:05	89.3	71.2	83.3			
25-Jul-14	12:10	75.3	70.4	73.5	78.4	71.1	77.7
25-Jul-14	12:15	78.8	71.4	75.9			
25-Jul-14	12:20	74.9	70.5	73.1			
25-Jul-14	12:25	75.8	71.3	74.3			
25-Jul-14	12:30	75.7	71.4	74.2			
25-Jul-14	12:35	74.1	70.4	72.4			
25-Jul-14	12:40	74.3	69.1	72.0	74.4	69.7	72.6
25-Jul-14	12:45	74.3	68.8	72.2			
25-Jul-14	12:50	74.5	69.3	72.5			
25-Jul-14	12:55	73.6	69.4	72.0			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
25-Jul-14	13:00	74.6	69.5	72.4			
25-Jul-14	13:05	74.8	70.3	72.8			
25-Jul-14	13:10	73.6	68.1	71.9	75.4	69.8	73.4
25-Jul-14	13:15	74.9	69.6	72.8			
25-Jul-14	13:20	76.0	69.9	73.7			
25-Jul-14	13:25	78.5	71.2	75.6			
25-Jul-14	13:30	75.7	70.9	73.8			
25-Jul-14	13:35	79.1	71.7	76.3			
25-Jul-14	13:40	78.2	71.5	75.8	78.4	71.8	76.0
25-Jul-14	13:45	79.8	72.4	76.9			
25-Jul-14	13:50	79.0	72.3	76.6			
25-Jul-14	13:55	78.5	72.2	75.7			
25-Jul-14	14:00	78.5	72.1	76.1			
25-Jul-14	14:05	77.7	72.1	75.5			
25-Jul-14	14:10	78.0	71.7	75.8	78.0	71.6	75.5
25-Jul-14	14:15	78.1	71.9	75.8			
25-Jul-14	14:20	77.6	71.4	75.0			
25-Jul-14	14:25	78.0	70.3	75.0			
25-Jul-14	14:30	77.0	70.7	74.4			
25-Jul-14	14:35	76.9	71.0	74.5			
25-Jul-14	14:40	77.2	71.8	75.3	76.6	70.9	74.4
25-Jul-14	14:45	76.5	70.9	74.4			
25-Jul-14	14:50	74.9	70.4	73.1			
25-Jul-14	14:55	77.2	70.7	74.7			
25-Jul-14	15:00	77.0	70.8	74.6			
25-Jul-14	15:05	76.7	71.3	74.6			
25-Jul-14	15:10	75.7	71.4	74.0	76.4	71.4	74.4
25-Jul-14	15:15	75.8	71.6	74.2			
25-Jul-14	15:20	76.4	71.2	74.3			
25-Jul-14	15:25	77.1	71.9	74.8			
25-Jul-14	15:30	76.9	71.3	74.7			
25-Jul-14	15:35	77.1	71.5	74.9			
25-Jul-14	15:40	76.2	70.3	74.0	76.0	70.5	73.9
25-Jul-14	15:45	74.8	68.6	72.3			
25-Jul-14	15:50	75.4	69.9	73.1			
25-Jul-14	15:55	75.9	71.5	74.1			
25-Jul-14	16:00	76.6	72.1	74.7			
25-Jul-14	16:05	76.0	70.7	74.1			
25-Jul-14	16:10	76.3	71.9	74.5	76.2	71.4	74.3
25-Jul-14	16:15	76.2	72.3	74.7			
25-Jul-14	16:20	75.5	70.8	73.6			
25-Jul-14	16:25	76.6	70.4	74.1			
25-Jul-14	16:30	76.6	71.5	74.6			
25-Jul-14	16:35	76.7	71.6	74.6			
25-Jul-14	16:40	75.9	72.3	74.5	76.4	71.2	74.4
25-Jul-14	16:45	75.9	70.8	73.9			
25-Jul-14	16:50	76.7	71.3	74.5			
25-Jul-14	16:55	76.9	69.8	74.2			
25-Jul-14	17:00	76.1	70.9	73.8			
25-Jul-14	17:05	77.2	70.9	74.7			
25-Jul-14	17:10	77.8	70.5	75.2	77.6	71.3	75.3
25-Jul-14	17:15	77.6	72.7	75.8			
25-Jul-14	17:20	78.8	72.5	76.4			
25-Jul-14	17:25	78.1	70.4	75.3			
25-Jul-14	17:30	74.9	70.2	73.0			
25-Jul-14	17:35	74.8	69.4	72.6			
25-Jul-14	17:40	74.8	69.5	72.7	74.8	69.6	72.8
25-Jul-14	17:45	75.0	68.7	72.6			
25-Jul-14	17:50	75.3	70.1	73.2			
25-Jul-14	17:55	73.9	69.9	72.9			
25-Jul-14	18:00	74.2	69.1	72.3			
25-Jul-14	18:05	74.9	70.3	72.8			
25-Jul-14	18:10	74.6	70.1	72.6	74.4	69.6	72.5
25-Jul-14	18:15	74.0	68.8	72.1			
25-Jul-14	18:20	73.9	69.3	72.1			
25-Jul-14	18:25	74.9	69.7	72.8			
25-Jul-14	18:30	75.2	69.0	73.1			
25-Jul-14	18:35	74.6	68.8	72.5			
25-Jul-14	18:40	74.7	69.3	72.7	75.0	69.2	72.9
25-Jul-14	18:45	75.4	69.7	73.5			
25-Jul-14	18:50	73.7	68.4	71.9			
25-Jul-14	18:55	76.8	70.0	73.8			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
26-Jul-14	7:00	73.9	64.1	70.6			
26-Jul-14	7:05	71.9	61.2	68.6			
26-Jul-14	7:10	72.9	60.2	69.4	73.0	62.2	69.7
26-Jul-14	7:15	73.6	64.1	70.2			
26-Jul-14	7:20	73.4	61.6	69.9			
26-Jul-14	7:25	72.3	62.2	69.4			
26-Jul-14	7:30	72.5	62.4	69.3			
26-Jul-14	7:35	74.0	63.5	70.1			
26-Jul-14	7:40	75.3	59.7	71.4	73.4	62.2	70.1
26-Jul-14	7:45	72.9	63.1	69.3			
26-Jul-14	7:50	71.4	61.7	68.5			
26-Jul-14	7:55	73.9	63.1	71.2			
26-Jul-14	8:00	74.1	62.9	70.9			
26-Jul-14	8:05	75.2	63.9	71.3			
26-Jul-14	8:10	74.0	62.9	71.3	74.1	64.1	71.0
26-Jul-14	8:15	73.9	64.9	70.9			
26-Jul-14	8:20	73.9	65.5	71.2			
26-Jul-14	8:25	73.7	64.8	70.3			
26-Jul-14	8:30	74.3	65.6	71.1			
26-Jul-14	8:35	73.4	64.3	70.3			
26-Jul-14	8:40	73.5	64.4	70.5	73.7	65.0	70.8
26-Jul-14	8:45	74.3	65.9	71.5			
26-Jul-14	8:50	73.2	66.7	70.9			
26-Jul-14	8:55	73.3	63.1	70.1			
26-Jul-14	9:00	74.0	67.1	71.6			
26-Jul-14	9:05	75.9	68.0	75.2			
26-Jul-14	9:10	83.0	66.7	77.8	76.1	67.5	74.2
26-Jul-14	9:15	74.7	67.1	71.9			
26-Jul-14	9:20	74.6	68.3	72.2			
26-Jul-14	9:25	74.6	68.1	72.3			
26-Jul-14	9:30	76.6	67.3	74.1			
26-Jul-14	9:35	74.4	68.1	72.1			
26-Jul-14	9:40	74.0	67.8	71.5	74.6	67.6	72.3
26-Jul-14	9:45	74.5	67.5	72.0			
26-Jul-14	9:50	74.9	67.4	72.0			
26-Jul-14	9:55	73.5	67.8	71.4			
26-Jul-14	10:00	74.0	66.8	71.5			
26-Jul-14	10:05	76.7	68.8	74.1			
26-Jul-14	10:10	76.8	71.4	74.8	75.9	69.5	73.8
26-Jul-14	10:15	75.7	69.0	73.0			
26-Jul-14	10:20	76.2	70.2	74.8			
26-Jul-14	10:25	76.1	70.6	74.0			
26-Jul-14	10:30	77.2	67.8	74.5			
26-Jul-14	10:35	77.0	72.0	75.1			
26-Jul-14	10:40	75.4	69.2	73.1	76.1	70.1	74.0
26-Jul-14	10:45	74.6	70.0	72.8			
26-Jul-14	10:50	77.1	71.2	74.5			
26-Jul-14	10:55	75.1	70.6	73.3			
26-Jul-14	11:00	74.7	68.5	72.3			
26-Jul-14	11:05	74.8	67.7	72.5			
26-Jul-14	11:10	74.9	69.2	72.6	74.4	68.4	72.2
26-Jul-14	11:15	73.9	68.4	71.9			
26-Jul-14	11:20	73.4	67.2	71.2			
26-Jul-14	11:25	74.8	69.3	72.7			
26-Jul-14	11:30	75.5	69.8	73.5			
26-Jul-14	11:35	76.7	70.0	75.0			
26-Jul-14	11:40	74.5	69.2	72.6	75.0	69.6	73.2
26-Jul-14	11:45	74.9	69.4	72.6			
26-Jul-14	11:50	74.1	69.3	72.1			
26-Jul-14	11:55	74.2	70.0	72.5			
26-Jul-14	12:00	75.4	69.6	73.3			
26-Jul-14	12:05	75.6	71.3	73.8			
26-Jul-14	12:10	74.8	70.3	73.2	75.0	69.8	73.0
26-Jul-14	12:15	74.8	69.9	72.7			
26-Jul-14	12:20	75.3	69.4	72.9			
26-Jul-14	12:25	73.9	68.6	71.7			
26-Jul-14	12:30	75.7	67.8	72.9			
26-Jul-14	12:35	74.5	69.0	72.0			
26-Jul-14	12:40	73.3	69.3	71.8	74.3	69.1	72.3
26-Jul-14	12:45	74.3	69.7	72.5			
26-Jul-14	12:50	74.6	69.6	72.7			
26-Jul-14	12:55	73.8	69.0	71.8			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
26-Jul-14	13:00	74.0	68.8	72.1			
26-Jul-14	13:05	74.4	69.6	72.3			
26-Jul-14	13:10	74.7	68.8	74.7	75.8	70.9	74.6
26-Jul-14	13:15	77.7	71.2	75.5			
26-Jul-14	13:20	78.0	74.5	76.6			
26-Jul-14	13:25	76.1	72.2	74.6			
26-Jul-14	13:30	74.8	70.9	72.9			
26-Jul-14	13:35	74.9	70.7	73.3			
26-Jul-14	13:40	74.2	69.3	72.1	74.7	70.0	72.7
26-Jul-14	13:45	74.4	69.7	72.4			
26-Jul-14	13:50	75.6	70.1	73.0			
26-Jul-14	13:55	74.6	69.2	72.5			
26-Jul-14	14:00	73.7	68.0	71.6			
26-Jul-14	14:05	75.5	68.9	72.9			
26-Jul-14	14:10	74.5	69.4	72.5	74.3	68.6	72.1
26-Jul-14	14:15	74.4	68.2	71.7			
26-Jul-14	14:20	73.7	69.1	71.7			
26-Jul-14	14:25	73.8	68.2	71.7			
26-Jul-14	14:30	73.3	68.2	71.7			
26-Jul-14	14:35	73.5	68.2	71.2			
26-Jul-14	14:40	74.4	68.9	72.2	74.2	68.6	71.9
26-Jul-14	14:45	74.0	68.5	71.5			
26-Jul-14	14:50	75.5	69.3	73.0			
26-Jul-14	14:55	74.3	68.6	71.9			
26-Jul-14	15:00	73.8	68.8	71.8			
26-Jul-14	15:05	73.5	69.0	71.6			
26-Jul-14	15:10	73.8	69.2	72.0	73.7	68.9	71.9
26-Jul-14	15:15	73.4	68.7	71.6			
26-Jul-14	15:20	73.4	68.5	71.4			
26-Jul-14	15:25	74.6	69.2	72.8			
26-Jul-14	15:30	73.5	68.3	71.3			
26-Jul-14	15:35	74.0	68.2	73.5			
26-Jul-14	15:40	73.0	68.3	71.1	73.7	68.3	71.9
26-Jul-14	15:45	74.1	68.6	71.7			
26-Jul-14	15:50	74.0	68.6	71.8			
26-Jul-14	15:55	73.3	68.3	71.4			
26-Jul-14	16:00	73.8	69.4	72.1			
26-Jul-14	16:05	74.0	68.6	71.7			
26-Jul-14	16:10	73.9	68.7	71.8	73.9	68.8	71.9
26-Jul-14	16:15	74.1	67.8	72.0			
26-Jul-14	16:20	73.8	69.1	72.0			
26-Jul-14	16:25	74.0	69.1	71.8			
26-Jul-14	16:30	74.0	68.7	71.8			
26-Jul-14	16:35	77.3	70.0	75.0			
26-Jul-14	16:40	74.3	68.3	71.9	74.5	68.7	72.6
26-Jul-14	16:45	73.5	68.4	71.5			
26-Jul-14	16:50	74.3	68.3	72.3			
26-Jul-14	16:55	73.8	68.4	71.7			
26-Jul-14	17:00	80.9	69.1	78.7			
26-Jul-14	17:05	74.3	69.3	72.4			
26-Jul-14	17:10	74.4	68.9	72.1	75.3	69.1	74.1
26-Jul-14	17:15	73.7	68.7	71.7			
26-Jul-14	17:20	74.6	69.7	72.7			
26-Jul-14	17:25	73.8	68.9	71.8			
26-Jul-14	17:30	73.9	68.0	71.7			
26-Jul-14	17:35	74.3	69.0	72.4			
26-Jul-14	17:40	74.7	69.4	72.8	74.3	69.0	72.3
26-Jul-14	17:45	73.8	69.0	72.0			
26-Jul-14	17:50	74.5	69.6	72.4			
26-Jul-14	17:55	74.8	68.9	72.5			
26-Jul-14	18:00	74.0	69.0	71.8			
26-Jul-14	18:05	74.8	68.9	72.6			
26-Jul-14	18:10	73.7	68.8	71.6	74.0	69.1	72.1
26-Jul-14	18:15	74.1	69.6	72.4			
26-Jul-14	18:20	73.4	69.2	71.7			
26-Jul-14	18:25	74.1	69.4	72.4			
26-Jul-14	18:30	74.3	69.6	72.3			
26-Jul-14	18:35	74.3	68.5	72.1			
26-Jul-14	18:40	73.8	69.1	71.7	74.2	68.9	72.2
26-Jul-14	18:45	76.5	69.6	73.7			
26-Jul-14	18:50	72.8	68.5	71.3			
26-Jul-14	18:55	73.4	68.0	71.3			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
27-Jul-14	7:00	74.0	63.8	70.8			
27-Jul-14	7:05	73.9	62.5	70.7			
27-Jul-14	7:10	74.2	65.5	71.3	74.0	65.1	71.1
27-Jul-14	7:15	74.4	64.9	71.4			
27-Jul-14	7:20	73.2	66.8	71.0			
27-Jul-14	7:25	74.1	67.4	71.7			
27-Jul-14	7:30	74.5	67.9	71.9			
27-Jul-14	7:35	74.3	66.4	71.8			
27-Jul-14	7:40	76.0	66.4	72.6	75.1	67.9	72.5
27-Jul-14	7:45	75.5	69.2	73.0			
27-Jul-14	7:50	74.8	69.3	72.5			
27-Jul-14	7:55	75.6	68.4	72.9			
27-Jul-14	8:00	75.2	70.1	73.2			
27-Jul-14	8:05	75.8	69.1	73.2			
27-Jul-14	8:10	75.4	69.7	73.2	76.1	69.9	73.8
27-Jul-14	8:15	76.3	70.0	73.7			
27-Jul-14	8:20	77.7	71.3	75.3			
27-Jul-14	8:25	76.3	69.4	73.7			
27-Jul-14	8:30	75.8	71.0	73.9			
27-Jul-14	8:35	76.4	71.9	74.4			
27-Jul-14	8:40	76.9	71.7	74.8	76.7	71.6	74.6
27-Jul-14	8:45	76.7	71.3	74.4			
27-Jul-14	8:50	76.9	71.7	74.7			
27-Jul-14	8:55	77.6	72.0	75.4			
27-Jul-14	9:00	75.4	70.8	73.6			
27-Jul-14	9:05	76.1	70.9	74.1			
27-Jul-14	9:10	76.0	71.0	74.0	76.2	70.9	74.4
27-Jul-14	9:15	75.4	70.9	73.4			
27-Jul-14	9:20	75.2	70.9	73.4			
27-Jul-14	9:25	79.4	70.9	76.8			
27-Jul-14	9:30	77.2	70.7	77.0			
27-Jul-14	9:35	74.3	70.5	73.2			
27-Jul-14	9:40	76.2	71.1	74.1	75.7	70.6	74.3
27-Jul-14	9:45	75.3	70.7	73.6			
27-Jul-14	9:50	75.4	70.7	73.2			
27-Jul-14	9:55	75.6	70.2	73.3			
27-Jul-14	10:00	75.2	71.1	73.3			
27-Jul-14	10:05	75.0	70.0	72.9			
27-Jul-14	10:10	78.6	70.3	75.2	77.4	70.2	78.4
27-Jul-14	10:15	75.0	70.0	73.0			
27-Jul-14	10:20	80.4	69.9	80.0			
27-Jul-14	10:25	80.3	70.1	83.5			
27-Jul-14	10:30	74.0	70.2	72.3			
27-Jul-14	10:35	74.1	72.9	73.5			
27-Jul-14	10:40	75.6	70.3	73.3	75.4	70.8	73.5
27-Jul-14	10:45	76.1	70.8	73.8			
27-Jul-14	10:50	75.8	70.6	73.6			
27-Jul-14	10:55	76.9	69.8	74.5			
27-Jul-14	11:00	74.8	70.3	73.1			
27-Jul-14	11:05	76.4	69.3	74.1			
27-Jul-14	11:10	74.9	69.9	72.9	75.4	70.2	73.3
27-Jul-14	11:15	75.1	70.4	73.0			
27-Jul-14	11:20	75.2	70.2	73.0			
27-Jul-14	11:25	76.0	71.2	73.8			
27-Jul-14	11:30	75.6	70.6	73.7			
27-Jul-14	11:35	75.3	71.4	73.5			
27-Jul-14	11:40	74.9	70.4	72.9	75.4	70.4	73.3
27-Jul-14	11:45	76.0	70.2	73.9			
27-Jul-14	11:50	75.3	69.8	73.1			
27-Jul-14	11:55	75.1	70.4	73.0			
27-Jul-14	12:00	74.9	70.0	72.8			
27-Jul-14	12:05	74.8	69.9	72.7			
27-Jul-14	12:10	74.3	69.6	72.5	74.9	70.1	72.9
27-Jul-14	12:15	75.9	70.2	73.5			
27-Jul-14	12:20	74.8	70.3	72.9			
27-Jul-14	12:25	74.9	70.4	73.0			
27-Jul-14	12:30	74.8	70.5	73.0			
27-Jul-14	12:35	75.5	70.5	73.3			
27-Jul-14	12:40	74.0	68.1	71.6	75.0	69.7	73.0
27-Jul-14	12:45	75.3	69.3	72.9			
27-Jul-14	12:50	75.1	68.9	72.6			
27-Jul-14	12:55	75.6	70.7	74.0			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
27-Jul-14	13:00	74.8	70.2	72.9			
27-Jul-14	13:05	75.1	70.6	73.3			
27-Jul-14	13:10	74.8	70.4	73.0	75.1	70.8	73.3
27-Jul-14	13:15	76.2	71.5	74.0			
27-Jul-14	13:20	74.9	71.0	73.1			
27-Jul-14	13:25	74.9	71.1	73.2			
27-Jul-14	13:30	75.5	69.5	73.1			
27-Jul-14	13:35	73.9	70.5	72.4			
27-Jul-14	13:40	76.5	70.8	74.9	75.2	70.2	73.4
27-Jul-14	13:45	75.8	70.4	74.0			
27-Jul-14	13:50	75.8	70.6	73.5			
27-Jul-14	13:55	73.7	69.6	71.9			
27-Jul-14	14:00	75.0	70.5	73.1			
27-Jul-14	14:05	75.0	70.8	73.2			
27-Jul-14	14:10	75.5	69.5	72.9	75.0	70.1	73.1
27-Jul-14	14:15	74.9	70.1	73.0			
27-Jul-14	14:20	75.2	69.4	73.1			
27-Jul-14	14:25	74.6	70.2	73.0			
27-Jul-14	14:30	74.1	70.3	72.6			
27-Jul-14	14:35	79.4	70.4	78.7			
27-Jul-14	14:40	74.5	70.0	72.6	75.6	70.3	74.8
27-Jul-14	14:45	74.9	70.1	72.8			
27-Jul-14	14:50	76.2	70.5	74.1			
27-Jul-14	14:55	74.8	70.4	73.9			
27-Jul-14	15:00	74.8	69.6	72.7			
27-Jul-14	15:05	75.4	70.8	73.3			
27-Jul-14	15:10	75.1	70.7	73.0	74.9	70.2	72.9
27-Jul-14	15:15	75.1	70.3	73.0			
27-Jul-14	15:20	74.1	69.8	72.1			
27-Jul-14	15:25	75.0	69.8	73.0			
27-Jul-14	15:30	74.8	69.8	72.6			
27-Jul-14	15:35	73.4	68.7	71.4			
27-Jul-14	15:40	73.8	69.8	72.1	74.0	69.6	72.1
27-Jul-14	15:45	73.8	69.7	71.9			
27-Jul-14	15:50	74.0	69.4	72.1			
27-Jul-14	15:55	74.0	70.1	72.3			
27-Jul-14	16:00	75.6	69.9	73.1			
27-Jul-14	16:05	74.7	70.2	72.8			
27-Jul-14	16:10	74.3	70.1	72.6	74.8	70.0	72.9
27-Jul-14	16:15	75.2	70.4	73.6			
27-Jul-14	16:20	74.2	70.0	72.4			
27-Jul-14	16:25	74.9	69.4	72.8			
27-Jul-14	16:30	75.6	69.6	73.8			
27-Jul-14	16:35	75.0	70.0	72.9			
27-Jul-14	16:40	75.6	69.4	73.4	75.5	69.5	73.3
27-Jul-14	16:45	76.5	69.3	73.8			
27-Jul-14	16:50	74.7	69.0	72.7			
27-Jul-14	16:55	75.4	69.4	73.2			
27-Jul-14	17:00	74.9	69.5	72.7			
27-Jul-14	17:05	75.1	69.3	72.9			
27-Jul-14	17:10	75.5	69.9	73.2	75.1	69.7	73.0
27-Jul-14	17:15	75.5	69.2	73.3			
27-Jul-14	17:20	74.5	69.8	72.6			
27-Jul-14	17:25	75.2	70.3	73.3			
27-Jul-14	17:30	74.9	69.8	73.0			
27-Jul-14	17:35	74.3	69.1	72.3			
27-Jul-14	17:40	76.0	70.4	74.1	75.0	69.8	73.4
27-Jul-14	17:45	74.8	69.6	74.4			
27-Jul-14	17:50	75.0	70.2	73.0			
27-Jul-14	17:55	74.9	70.0	73.3			
27-Jul-14	18:00	73.7	68.9	71.9			
27-Jul-14	18:05	74.8	69.4	72.5			
27-Jul-14	18:10	74.9	68.8	72.6	75.0	69.4	72.8
27-Jul-14	18:15	75.2	70.0	73.1			
27-Jul-14	18:20	75.9	69.9	73.4			
27-Jul-14	18:25	75.4	69.4	73.3			
27-Jul-14	18:30	74.9	69.7	72.8			
27-Jul-14	18:35	73.9	69.2	72.0			
27-Jul-14	18:40	75.2	69.5	72.9	74.6	69.1	72.5
27-Jul-14	18:45	75.4	67.9	72.6			
27-Jul-14	18:50	74.0	69.7	72.2			
27-Jul-14	18:55	74.7	68.6	72.6			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
28-Jul-14	7:00	74.3	63.7	71.0			
28-Jul-14	7:05	73.7	64.6	70.7			
28-Jul-14	7:10	74.2	65.8	71.4	74.4	65.4	71.4
28-Jul-14	7:15	75.4	66.4	72.1			
28-Jul-14	7:20	74.4	66.2	71.4			
28-Jul-14	7:25	74.4	65.6	71.6			
28-Jul-14	7:30	74.4	67.3	72.1			
28-Jul-14	7:35	75.5	66.4	72.8			
28-Jul-14	7:40	75.7	67.4	73.0	75.3	68.0	72.8
28-Jul-14	7:45	75.1	68.7	72.6			
28-Jul-14	7:50	75.4	69.0	73.0			
28-Jul-14	7:55	75.8	69.0	73.1			
28-Jul-14	8:00	75.5	69.9	73.5			
28-Jul-14	8:05	76.0	70.1	73.4			
28-Jul-14	8:10	76.0	70.3	73.7	75.9	70.4	73.7
28-Jul-14	8:15	75.9	70.2	73.6			
28-Jul-14	8:20	75.9	71.0	74.0			
28-Jul-14	8:25	76.3	70.8	74.0			
28-Jul-14	8:30	76.7	72.3	74.6			
28-Jul-14	8:35	76.3	71.8	74.7			
28-Jul-14	8:40	77.0	71.5	74.8	76.8	71.7	74.9
28-Jul-14	8:45	76.3	70.7	74.1			
28-Jul-14	8:50	77.3	71.4	75.8			
28-Jul-14	8:55	77.2	72.3	74.9			
28-Jul-14	9:00	76.4	71.5	74.3			
28-Jul-14	9:05	76.5	72.5	74.8			
28-Jul-14	9:10	75.9	70.9	74.0	76.5	71.6	74.5
28-Jul-14	9:15	76.9	72.6	75.2			
28-Jul-14	9:20	76.2	70.9	74.0			
28-Jul-14	9:25	76.9	71.4	74.5			
28-Jul-14	9:30	77.2	72.5	75.0			
28-Jul-14	9:35	75.6	71.1	73.8			
28-Jul-14	9:40	75.8	71.5	73.9	75.9	71.4	74.1
28-Jul-14	9:45	75.4	70.7	73.6			
28-Jul-14	9:50	75.6	71.3	74.0			
28-Jul-14	9:55	75.5	71.5	74.0			
28-Jul-14	10:00	75.5	71.2	73.5			
28-Jul-14	10:05	76.1	71.4	74.2			
28-Jul-14	10:10	75.7	71.6	73.9	75.8	71.5	73.9
28-Jul-14	10:15	76.0	72.0	74.2			
28-Jul-14	10:20	75.5	71.4	73.7			
28-Jul-14	10:25	75.9	71.3	73.9			
28-Jul-14	10:30	75.1	71.6	73.6			
28-Jul-14	10:35	75.4	70.4	73.5			
28-Jul-14	10:40	76.0	69.9	73.7	75.7	70.7	73.7
28-Jul-14	10:45	76.6	71.1	74.4			
28-Jul-14	10:50	74.7	70.0	72.9			
28-Jul-14	10:55	76.3	71.4	74.2			
28-Jul-14	11:00	76.3	70.9	74.1			
28-Jul-14	11:05	75.7	71.3	73.9			
28-Jul-14	11:10	74.9	70.2	73.1	75.8	70.8	73.8
28-Jul-14	11:15	75.5	70.7	73.6			
28-Jul-14	11:20	75.9	71.1	73.9			
28-Jul-14	11:25	76.2	70.7	74.0			
28-Jul-14	11:30	75.3	71.6	73.7			
28-Jul-14	11:35	75.7	70.6	73.4			
28-Jul-14	11:40	74.8	69.3	72.7	76.8	70.1	75.4
28-Jul-14	11:45	75.3	69.7	73.3			
28-Jul-14	11:50	74.7	69.5	72.6			
28-Jul-14	11:55	84.9	70.1	80.2			
28-Jul-14	12:00	75.1	69.3	72.7			
28-Jul-14	12:05	73.9	69.3	72.0			
28-Jul-14	12:10	74.5	69.6	72.5	74.4	69.5	72.4
28-Jul-14	12:15	74.8	70.3	72.9			
28-Jul-14	12:20	74.0	69.8	72.3			
28-Jul-14	12:25	73.8	69.0	71.9			
28-Jul-14	12:30	74.6	70.5	72.7			
28-Jul-14	12:35	74.6	70.1	72.6			
28-Jul-14	12:40	74.7	69.9	72.5	74.6	69.6	73.0
28-Jul-14	12:45	74.2	69.1	72.4			
28-Jul-14	12:50	74.2	68.5	74.3			
28-Jul-14	12:55	75.4	69.6	73.1			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
28-Jul-14	13:00	74.2	69.2	72.0			
28-Jul-14	13:05	74.2	70.3	72.5			
28-Jul-14	13:10	75.1	70.5	73.3	75.0	70.3	73.0
28-Jul-14	13:15	75.4	69.8	73.0			
28-Jul-14	13:20	74.9	70.6	73.0			
28-Jul-14	13:25	76.2	71.2	74.0			
28-Jul-14	13:30	75.7	70.7	73.6			
28-Jul-14	13:35	74.9	70.8	73.1			
28-Jul-14	13:40	75.0	70.6	73.1	75.1	70.6	73.2
28-Jul-14	13:45	75.5	70.7	73.5			
28-Jul-14	13:50	74.7	70.3	72.8			
28-Jul-14	13:55	75.0	70.3	73.3			
28-Jul-14	14:00	75.2	70.8	73.4			
28-Jul-14	14:05	74.0	69.5	72.1			
28-Jul-14	14:10	74.5	70.5	72.8	74.3	70.3	72.7
28-Jul-14	14:15	73.6	70.4	72.2			
28-Jul-14	14:20	73.3	69.9	71.9			
28-Jul-14	14:25	75.5	70.8	73.4			
28-Jul-14	14:30	74.4	70.3	72.7			
28-Jul-14	14:35	74.2	70.0	72.5			
28-Jul-14	14:40	75.1	70.3	73.2	74.9	70.1	72.9
28-Jul-14	14:45	74.9	70.0	72.8			
28-Jul-14	14:50	74.6	69.2	72.4			
28-Jul-14	14:55	76.1	70.8	73.8			
28-Jul-14	15:00	75.3	70.9	73.3			
28-Jul-14	15:05	74.9	70.2	73.1			
28-Jul-14	15:10	75.2	69.6	72.8	74.9	70.2	72.9
28-Jul-14	15:15	74.5	70.1	72.5			
28-Jul-14	15:20	75.3	70.9	73.4			
28-Jul-14	15:25	74.3	69.7	72.3			
28-Jul-14	15:30	74.5	69.4	72.4			
28-Jul-14	15:35	73.9	69.1	72.1			
28-Jul-14	15:40	74.1	69.1	72.1	74.5	69.7	72.5
28-Jul-14	15:45	74.9	69.8	72.8			
28-Jul-14	15:50	74.4	70.5	72.7			
28-Jul-14	15:55	75.1	70.3	73.0			
28-Jul-14	16:00	74.5	70.2	72.7			
28-Jul-14	16:05	74.9	70.3	73.0			
28-Jul-14	16:10	75.2	69.5	73.3	74.9	70.2	73.0
28-Jul-14	16:15	75.1	70.6	73.0			
28-Jul-14	16:20	75.2	70.4	73.2			
28-Jul-14	16:25	74.6	70.3	72.9			
28-Jul-14	16:30	75.3	68.6	73.0			
28-Jul-14	16:35	74.5	69.5	72.7			
28-Jul-14	16:40	75.8	69.8	73.5	75.1	69.3	73.0
28-Jul-14	16:45	74.4	69.8	72.6			
28-Jul-14	16:50	75.3	69.4	72.9			
28-Jul-14	16:55	75.5	68.7	73.0			
28-Jul-14	17:00	74.9	69.9	73.0			
28-Jul-14	17:05	75.4	70.5	73.2			
28-Jul-14	17:10	75.9	70.4	73.5	75.1	69.6	73.0
28-Jul-14	17:15	74.6	68.7	72.7			
28-Jul-14	17:20	74.3	68.9	72.2			
28-Jul-14	17:25	75.5	69.3	73.1			
28-Jul-14	17:30	74.7	68.7	72.7			
28-Jul-14	17:35	74.2	69.0	72.1			
28-Jul-14	17:40	74.9	69.5	72.9	74.7	69.2	72.5
28-Jul-14	17:45	74.9	69.7	72.6			
28-Jul-14	17:50	75.7	68.8	72.6			
28-Jul-14	17:55	74.0	69.4	72.1			
28-Jul-14	18:00	76.0	68.6	73.9			
28-Jul-14	18:05	74.5	68.9	72.4			
28-Jul-14	18:10	74.8	69.4	73.4	74.8	68.5	72.7
28-Jul-14	18:15	74.7	67.9	72.3			
28-Jul-14	18:20	74.2	67.4	71.6			
28-Jul-14	18:25	74.4	68.8	72.1			
28-Jul-14	18:30	73.3	68.9	71.6			
28-Jul-14	18:35	74.5	69.6	72.3			
28-Jul-14	18:40	73.7	69.6	72.1	74.0	69.0	72.0
28-Jul-14	18:45	74.2	67.8	72.1			
28-Jul-14	18:50	74.1	69.6	72.1			
28-Jul-14	18:55	74.1	68.8	71.9			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
29-Jul-14	7:00	74.2	66.2	71.4			
29-Jul-14	7:05	73.6	66.2	70.8			
29-Jul-14	7:10	73.9	63.8	70.9	74.1	65.5	71.3
29-Jul-14	7:15	74.9	65.0	72.1			
29-Jul-14	7:20	73.9	64.5	70.8			
29-Jul-14	7:25	74.1	67.5	71.8			
29-Jul-14	7:30	75.0	67.3	72.5			
29-Jul-14	7:35	74.6	67.3	71.9			
29-Jul-14	7:40	73.7	67.2	71.5	74.5	67.5	72.2
29-Jul-14	7:45	74.7	66.7	72.1			
29-Jul-14	7:50	74.8	68.7	73.2			
29-Jul-14	7:55	74.1	67.9	71.9			
29-Jul-14	8:00	76.1	69.0	73.6			
29-Jul-14	8:05	83.7	67.9	79.3			
29-Jul-14	8:10	76.5	69.6	73.6	77.5	69.5	75.3
29-Jul-14	8:15	75.9	70.1	73.7			
29-Jul-14	8:20	76.5	70.4	73.9			
29-Jul-14	8:25	76.3	70.0	73.8			
29-Jul-14	8:30	75.6	70.6	73.9			
29-Jul-14	8:35	76.4	70.5	74.2			
29-Jul-14	8:40	75.6	70.4	73.8	76.4	71.1	74.3
29-Jul-14	8:45	77.1	71.7	74.8			
29-Jul-14	8:50	76.8	72.1	74.8			
29-Jul-14	8:55	76.8	71.1	74.4			
29-Jul-14	9:00	76.5	71.4	74.4			
29-Jul-14	9:05	76.3	71.2	74.2			
29-Jul-14	9:10	76.9	72.7	75.2	76.7	72.0	74.7
29-Jul-14	9:15	77.0	72.4	75.1			
29-Jul-14	9:20	76.7	72.6	75.0			
29-Jul-14	9:25	76.5	71.7	74.3			
29-Jul-14	9:30	76.4	70.5	74.1			
29-Jul-14	9:35	76.7	70.9	74.4			
29-Jul-14	9:40	76.2	70.4	74.0	76.5	70.8	74.2
29-Jul-14	9:45	76.3	70.7	73.9			
29-Jul-14	9:50	76.6	71.4	74.4			
29-Jul-14	9:55	76.8	71.0	74.5			
29-Jul-14	10:00	76.8	71.7	75.3			
29-Jul-14	10:05	76.0	70.7	73.9			
29-Jul-14	10:10	77.0	71.2	74.8	76.7	71.0	74.6
29-Jul-14	10:15	76.2	70.5	73.8			
29-Jul-14	10:20	77.1	71.2	74.7			
29-Jul-14	10:25	76.8	71.0	74.6			
29-Jul-14	10:30	77.3	71.9	75.3			
29-Jul-14	10:35	76.4	70.6	74.1			
29-Jul-14	10:40	76.5	71.1	74.6	76.4	71.3	74.4
29-Jul-14	10:45	76.3	71.5	74.4			
29-Jul-14	10:50	75.9	71.7	74.2			
29-Jul-14	10:55	76.2	71.1	74.0			
29-Jul-14	11:00	76.4	71.0	74.2			
29-Jul-14	11:05	75.8	70.6	73.7			
29-Jul-14	11:10	75.1	69.9	73.1	76.0	70.7	74.3
29-Jul-14	11:15	75.1	70.2	73.1			
29-Jul-14	11:20	77.4	70.4	76.1			
29-Jul-14	11:25	76.5	72.0	74.7			
29-Jul-14	11:30	75.8	71.8	74.1			
29-Jul-14	11:35	76.3	71.4	74.7			
29-Jul-14	11:40	76.3	72.7	74.6	75.3	70.7	73.6
29-Jul-14	11:45	74.8	69.7	72.8			
29-Jul-14	11:50	74.4	69.4	72.3			
29-Jul-14	11:55	74.3	69.2	72.4			
29-Jul-14	12:00	74.4	69.9	72.6			
29-Jul-14	12:05	74.4	69.8	72.4			
29-Jul-14	12:10	74.5	69.9	72.6	74.5	69.6	72.5
29-Jul-14	12:15	74.3	69.6	72.2			
29-Jul-14	12:20	75.0	69.1	72.7			
29-Jul-14	12:25	74.3	69.6	72.4			
29-Jul-14	12:30	75.6	70.3	73.5			
29-Jul-14	12:35	73.9	68.9	71.9			
29-Jul-14	12:40	75.0	69.2	72.6	75.6	69.5	75.0
29-Jul-14	12:45	74.3	69.3	72.3			
29-Jul-14	12:50	75.6	69.6	73.1			
29-Jul-14	12:55	79.2	69.8	79.9			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
29-Jul-14	13:00	75.0	70.0	73.0			
29-Jul-14	13:05	76.7	72.4	75.2			
29-Jul-14	13:10	76.3	71.4	74.4	76.3	71.5	74.4
29-Jul-14	13:15	76.3	71.3	74.2			
29-Jul-14	13:20	77.2	72.6	75.3			
29-Jul-14	13:25	76.1	71.5	74.2			
29-Jul-14	13:30	75.8	71.6	74.1			
29-Jul-14	13:35	75.3	70.8	73.4			
29-Jul-14	13:40	75.9	71.0	74.0	76.0	71.2	74.1
29-Jul-14	13:45	75.3	70.8	73.6			
29-Jul-14	13:50	75.8	71.3	73.8			
29-Jul-14	13:55	77.9	71.6	75.3			
29-Jul-14	14:00	77.5	71.2	74.9			
29-Jul-14	14:05	77.3	69.9	74.8			
29-Jul-14	14:10	78.3	70.1	76.0	78.0	70.6	75.7
29-Jul-14	14:15	78.3	69.8	75.5			
29-Jul-14	14:20	79.2	72.1	77.3			
29-Jul-14	14:25	77.4	70.5	74.7			
29-Jul-14	14:30	75.7	69.3	73.4			
29-Jul-14	14:35	75.0	68.8	72.5			
29-Jul-14	14:40	77.5	69.9	74.3	77.3	70.2	75.0
29-Jul-14	14:45	78.0	71.2	75.4			
29-Jul-14	14:50	77.6	70.2	74.7			
29-Jul-14	14:55	80.1	71.7	77.7			
29-Jul-14	15:00	79.0	72.0	76.9			
29-Jul-14	15:05	77.7	71.0	75.2			
29-Jul-14	15:10	80.3	70.8	78.4	77.9	71.3	76.0
29-Jul-14	15:15	77.3	71.8	75.0			
29-Jul-14	15:20	75.5	71.1	73.7			
29-Jul-14	15:25	77.6	71.3	75.1			
29-Jul-14	15:30	78.8	72.2	76.6			
29-Jul-14	15:35	78.1	72.0	75.5			
29-Jul-14	15:40	78.6	71.4	76.1	77.9	71.3	75.4
29-Jul-14	15:45	78.1	70.6	75.2			
29-Jul-14	15:50	77.0	70.8	74.4			
29-Jul-14	15:55	76.7	70.7	74.1			
29-Jul-14	16:00	78.9	71.3	76.5			
29-Jul-14	16:05	77.4	70.1	74.3			
29-Jul-14	16:10	77.1	69.9	74.1	77.7	70.8	75.1
29-Jul-14	16:15	78.4	72.1	76.2			
29-Jul-14	16:20	77.2	71.0	74.7			
29-Jul-14	16:25	77.4	70.6	74.2			
29-Jul-14	16:30	76.4	70.1	73.6			
29-Jul-14	16:35	74.7	70.1	72.8			
29-Jul-14	16:40	74.6	67.6	72.4	75.7	69.3	73.5
29-Jul-14	16:45	75.6	69.5	73.4			
29-Jul-14	16:50	75.0	68.5	72.6			
29-Jul-14	16:55	78.1	70.2	75.2			
29-Jul-14	17:00	78.4	70.9	75.8			
29-Jul-14	17:05	77.7	71.3	75.4			
29-Jul-14	17:10	77.7	70.8	75.1	77.8	70.8	75.1
29-Jul-14	17:15	77.4	70.7	74.7			
29-Jul-14	17:20	77.9	70.3	74.7			
29-Jul-14	17:25	77.7	70.5	74.8			
29-Jul-14	17:30	77.3	70.0	74.2			
29-Jul-14	17:35	76.4	70.6	74.0			
29-Jul-14	17:40	76.0	70.4	73.7	76.0	70.4	73.8
29-Jul-14	17:45	75.1	69.9	73.1			
29-Jul-14	17:50	75.9	70.9	74.1			
29-Jul-14	17:55	75.4	70.4	73.3			
29-Jul-14	18:00	76.7	70.0	74.5			
29-Jul-14	18:05	76.0	70.2	73.7			
29-Jul-14	18:10	76.6	71.4	74.5	75.8	70.2	73.7
29-Jul-14	18:15	74.4	69.2	72.2			
29-Jul-14	18:20	75.8	70.3	73.6			
29-Jul-14	18:25	75.5	70.0	73.2			
29-Jul-14	18:30	74.5	70.2	72.9			
29-Jul-14	18:35	74.5	68.2	72.1			
29-Jul-14	18:40	74.7	69.9	72.6	74.2	69.2	72.3
29-Jul-14	18:45	73.8	69.3	71.8			
29-Jul-14	18:50	74.0	69.8	72.2			
29-Jul-14	18:55	74.0	68.0	71.9			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
30-Jul-14	7:00	74.2	65.4	71.5			
30-Jul-14	7:05	73.0	64.9	70.2			
30-Jul-14	7:10	75.0	64.4	71.3	74.2	65.3	71.3
30-Jul-14	7:15	74.8	65.2	71.7			
30-Jul-14	7:20	73.6	65.4	71.1			
30-Jul-14	7:25	74.8	66.4	71.6			
30-Jul-14	7:30	75.1	66.8	72.3			
30-Jul-14	7:35	74.6	66.7	72.0			
30-Jul-14	7:40	75.4	65.4	72.6	75.2	66.9	72.6
30-Jul-14	7:45	75.9	66.6	73.3			
30-Jul-14	7:50	74.2	68.4	72.0			
30-Jul-14	7:55	76.1	67.4	73.2			
30-Jul-14	8:00	76.1	70.8	73.9			
30-Jul-14	8:05	75.6	69.2	73.2			
30-Jul-14	8:10	75.3	69.5	73.1	75.7	70.4	73.7
30-Jul-14	8:15	75.6	69.7	73.6			
30-Jul-14	8:20	75.8	71.6	74.0			
30-Jul-14	8:25	76.0	71.8	74.4			
30-Jul-14	8:30	76.2	71.2	74.2			
30-Jul-14	8:35	76.4	71.1	74.5			
30-Jul-14	8:40	75.3	71.8	73.8	76.3	71.7	74.5
30-Jul-14	8:45	77.0	71.8	75.3			
30-Jul-14	8:50	76.1	72.4	74.6			
30-Jul-14	8:55	76.8	72.1	74.7			
30-Jul-14	9:00	76.4	72.2	74.7			
30-Jul-14	9:05	76.6	72.3	74.6			
30-Jul-14	9:10	75.7	71.7	74.1	76.3	72.1	74.5
30-Jul-14	9:15	75.9	72.5	74.5			
30-Jul-14	9:20	76.3	71.9	74.4			
30-Jul-14	9:25	76.8	71.8	74.8			
30-Jul-14	9:30	75.9	70.4	73.8			
30-Jul-14	9:35	76.3	71.5	74.4			
30-Jul-14	9:40	76.8	72.2	74.9	76.4	71.3	74.4
30-Jul-14	9:45	77.0	71.5	74.9			
30-Jul-14	9:50	75.1	69.7	72.7			
30-Jul-14	9:55	77.4	72.3	75.4			
30-Jul-14	10:00	76.8	71.6	74.8			
30-Jul-14	10:05	76.5	71.7	74.5			
30-Jul-14	10:10	76.3	71.2	74.3	76.2	71.2	74.5
30-Jul-14	10:15	76.1	70.3	73.9			
30-Jul-14	10:20	76.1	70.7	74.9			
30-Jul-14	10:25	75.8	71.9	74.3			
30-Jul-14	10:30	75.4	71.9	73.9			
30-Jul-14	10:35	76.2	70.7	74.1			
30-Jul-14	10:40	77.9	72.2	78.9	76.2	71.6	75.3
30-Jul-14	10:45	75.7	71.5	74.0			
30-Jul-14	10:50	75.8	71.4	74.1			
30-Jul-14	10:55	76.2	71.8	74.5			
30-Jul-14	11:00	75.0	71.0	73.3			
30-Jul-14	11:05	75.4	70.8	73.4			
30-Jul-14	11:10	75.9	71.4	73.9	75.6	71.1	73.7
30-Jul-14	11:15	76.2	71.8	74.2			
30-Jul-14	11:20	75.3	71.1	73.4			
30-Jul-14	11:25	75.6	70.9	73.7			
30-Jul-14	11:30	74.7	71.5	73.3			
30-Jul-14	11:35	75.1	71.0	73.4			
30-Jul-14	11:40	74.8	69.4	72.6	74.9	69.9	72.9
30-Jul-14	11:45	74.7	69.2	72.6			
30-Jul-14	11:50	75.4	69.1	72.9			
30-Jul-14	11:55	74.8	69.0	72.3			
30-Jul-14	12:00	73.9	68.9	71.9			
30-Jul-14	12:05	74.7	69.4	72.7			
30-Jul-14	12:10	74.4	69.8	72.7	74.5	69.5	72.5
30-Jul-14	12:15	74.9	70.1	73.0			
30-Jul-14	12:20	74.6	69.1	72.3			
30-Jul-14	12:25	74.4	69.7	72.3			
30-Jul-14	12:30	74.2	69.1	72.2			
30-Jul-14	12:35	74.6	70.0	72.7			
30-Jul-14	12:40	74.7	69.3	72.5	75.1	69.4	73.8
30-Jul-14	12:45	78.7	69.7	77.6			
30-Jul-14	12:50	73.7	69.5	71.9			
30-Jul-14	12:55	74.7	68.6	72.5			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
30-Jul-14	13:00	75.1	70.1	73.0			
30-Jul-14	13:05	76.1	71.4	74.0			
30-Jul-14	13:10	76.1	72.0	74.4	75.6	71.3	73.8
30-Jul-14	13:15	75.6	71.6	73.7			
30-Jul-14	13:20	75.8	71.3	73.9			
30-Jul-14	13:25	75.1	71.5	73.5			
30-Jul-14	13:30	75.7	72.1	74.1			
30-Jul-14	13:35	75.1	70.9	73.4			
30-Jul-14	13:40	75.6	71.6	74.0	75.6	71.5	73.8
30-Jul-14	13:45	75.4	71.3	73.6			
30-Jul-14	13:50	76.1	71.3	74.0			
30-Jul-14	13:55	75.6	71.9	74.0			
30-Jul-14	14:00	75.6	71.7	73.9			
30-Jul-14	14:05	76.0	71.2	74.0			
30-Jul-14	14:10	75.9	71.5	74.0	75.7	71.2	73.8
30-Jul-14	14:15	75.6	71.3	73.9			
30-Jul-14	14:20	75.6	70.7	73.9			
30-Jul-14	14:25	75.4	70.6	73.3			
30-Jul-14	14:30	75.8	71.2	74.0			
30-Jul-14	14:35	75.2	70.3	73.1			
30-Jul-14	14:40	75.0	70.9	73.2	75.5	70.9	73.5
30-Jul-14	14:45	75.6	70.7	73.6			
30-Jul-14	14:50	75.8	71.4	73.8			
30-Jul-14	14:55	75.6	70.7	73.4			
30-Jul-14	15:00	75.1	71.7	73.7			
30-Jul-14	15:05	74.8	70.2	73.0			
30-Jul-14	15:10	75.3	70.0	72.9	75.1	70.7	73.2
30-Jul-14	15:15	75.3	71.2	73.6			
30-Jul-14	15:20	74.9	70.2	73.0			
30-Jul-14	15:25	75.0	70.9	73.2			
30-Jul-14	15:30	75.0	70.7	73.2			
30-Jul-14	15:35	75.3	70.4	73.2			
30-Jul-14	15:40	75.4	70.1	73.1	75.2	70.8	73.3
30-Jul-14	15:45	75.9	71.7	74.0			
30-Jul-14	15:50	74.3	71.0	72.9			
30-Jul-14	15:55	75.4	70.6	73.3			
30-Jul-14	16:00	74.9	70.9	73.2			
30-Jul-14	16:05	74.5	71.3	73.2			
30-Jul-14	16:10	75.3	70.9	73.6	75.1	71.0	73.4
30-Jul-14	16:15	75.2	70.9	73.4			
30-Jul-14	16:20	75.8	71.0	73.6			
30-Jul-14	16:25	75.2	70.8	73.2			
30-Jul-14	16:30	75.3	70.6	73.3			
30-Jul-14	16:35	75.6	69.9	73.3			
30-Jul-14	16:40	79.8	69.7	76.7	76.1	70.0	74.0
30-Jul-14	16:45	74.9	68.8	72.6			
30-Jul-14	16:50	75.8	70.6	73.5			
30-Jul-14	16:55	75.0	70.5	73.3			
30-Jul-14	17:00	75.7	70.6	73.8			
30-Jul-14	17:05	75.2	70.6	73.2			
30-Jul-14	17:10	75.6	70.4	73.5	75.4	70.2	73.4
30-Jul-14	17:15	75.7	70.2	73.7			
30-Jul-14	17:20	74.5	69.3	72.5			
30-Jul-14	17:25	75.8	69.9	73.5			
30-Jul-14	17:30	75.5	70.0	72.9			
30-Jul-14	17:35	74.8	69.9	72.7			
30-Jul-14	17:40	75.0	70.7	73.3	75.3	70.1	73.2
30-Jul-14	17:45	74.8	69.9	72.8			
30-Jul-14	17:50	76.3	69.8	73.9			
30-Jul-14	17:55	75.3	70.2	73.3			
30-Jul-14	18:00	74.5	68.8	72.3			
30-Jul-14	18:05	74.3	69.2	72.3			
30-Jul-14	18:10	73.9	69.4	72.1	74.5	69.0	72.3
30-Jul-14	18:15	75.8	69.2	73.3			
30-Jul-14	18:20	74.0	67.8	71.6			
30-Jul-14	18:25	74.2	69.3	72.5			
30-Jul-14	18:30	73.5	67.2	71.1			
30-Jul-14	18:35	74.0	68.2	71.7			
30-Jul-14	18:40	74.8	69.9	72.8	74.3	68.6	72.2
30-Jul-14	18:45	74.2	68.3	72.2			
30-Jul-14	18:50	74.4	68.4	72.2			
30-Jul-14	18:55	75.1	69.8	73.0			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
31-Jul-14	7:00	73.5	63.2	70.1			
31-Jul-14	7:05	74.6	65.0	71.8			
31-Jul-14	7:10	72.3	62.2	69.2	73.7	64.0	70.8
31-Jul-14	7:15	74.3	66.1	71.2			
31-Jul-14	7:20	74.2	64.1	71.4			
31-Jul-14	7:25	73.6	63.3	70.7			
31-Jul-14	7:30	75.6	65.4	72.5			
31-Jul-14	7:35	73.6	64.5	70.7			
31-Jul-14	7:40	74.3	64.2	71.7	75.1	66.1	72.5
31-Jul-14	7:45	76.1	67.7	73.4			
31-Jul-14	7:50	74.6	66.4	71.8			
31-Jul-14	7:55	76.3	68.5	73.9			
31-Jul-14	8:00	74.9	68.4	72.7			
31-Jul-14	8:05	76.4	68.9	74.0			
31-Jul-14	8:10	76.6	70.0	73.6	76.1	70.4	73.9
31-Jul-14	8:15	75.9	71.3	74.0			
31-Jul-14	8:20	76.6	72.1	74.7			
31-Jul-14	8:25	76.1	71.4	74.3			
31-Jul-14	8:30	76.8	72.3	74.8			
31-Jul-14	8:35	76.8	72.1	74.8			
31-Jul-14	8:40	75.7	71.6	74.0	76.8	71.8	74.7
31-Jul-14	8:45	77.4	71.5	75.0			
31-Jul-14	8:50	77.3	71.6	74.8			
31-Jul-14	8:55	76.6	71.5	74.6			
31-Jul-14	9:00	76.8	72.4	74.9			
31-Jul-14	9:05	76.9	72.0	74.8			
31-Jul-14	9:10	76.7	72.0	74.9	76.7	72.2	74.8
31-Jul-14	9:15	76.4	72.0	74.6			
31-Jul-14	9:20	76.9	72.2	74.9			
31-Jul-14	9:25	76.8	72.7	75.0			
31-Jul-14	9:30	75.1	71.3	73.5			
31-Jul-14	9:35	75.0	70.9	73.2			
31-Jul-14	9:40	75.4	70.6	73.5	75.6	71.1	73.7
31-Jul-14	9:45	76.5	71.1	74.4			
31-Jul-14	9:50	75.3	71.2	73.6			
31-Jul-14	9:55	76.1	71.4	74.2			
31-Jul-14	10:00	75.7	71.7	74.1			
31-Jul-14	10:05	76.2	72.2	74.4			
31-Jul-14	10:10	75.6	71.8	74.0	76.0	72.1	74.4
31-Jul-14	10:15	76.0	72.4	74.5			
31-Jul-14	10:20	76.2	71.8	74.6			
31-Jul-14	10:25	76.5	72.5	74.7			
31-Jul-14	10:30	76.3	72.4	74.6			
31-Jul-14	10:35	75.8	73.2	74.6			
31-Jul-14	10:40	75.1	74.1	74.6	75.7	71.9	74.1
31-Jul-14	10:45	76.8	70.9	74.3			
31-Jul-14	10:50	74.9	70.0	73.0			
31-Jul-14	10:55	75.2	70.8	73.3			
31-Jul-14	11:00	75.1	71.1	73.3			
31-Jul-14	11:05	75.3	70.5	73.3			
31-Jul-14	11:10	75.4	69.9	73.4	75.4	70.5	73.4
31-Jul-14	11:15	75.7	70.7	73.7			
31-Jul-14	11:20	76.0	70.3	73.6			
31-Jul-14	11:25	75.2	70.4	73.3			
31-Jul-14	11:30	75.2	70.6	73.3			
31-Jul-14	11:35	75.3	69.5	73.1			
31-Jul-14	11:40	75.3	69.6	73.0	76.8	69.8	75.3
31-Jul-14	11:45	74.9	70.0	73.1			
31-Jul-14	11:50	84.5	70.1	80.0			
31-Jul-14	11:55	75.5	68.9	73.1			
31-Jul-14	12:00	74.7	69.4	72.6			
31-Jul-14	12:05	74.2	69.4	72.3			
31-Jul-14	12:10	74.4	69.8	72.5	75.1	69.5	72.9
31-Jul-14	12:15	75.0	70.5	73.2			
31-Jul-14	12:20	76.3	68.1	73.4			
31-Jul-14	12:25	75.8	70.1	73.5			
31-Jul-14	12:30	75.8	70.8	73.7			
31-Jul-14	12:35	79.2	69.3	75.9			
31-Jul-14	12:40	77.5	70.0	75.5	76.1	69.5	74.1
31-Jul-14	12:45	75.4	68.9	73.2			
31-Jul-14	12:50	74.4	69.5	72.4			
31-Jul-14	12:55	74.3	68.8	72.3			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
31-Jul-14	13:00	74.0	69.5	72.2			
31-Jul-14	13:05	74.4	69.0	72.4			
31-Jul-14	13:10	75.6	70.3	73.4	74.9	70.1	72.9
31-Jul-14	13:15	75.6	70.9	73.4			
31-Jul-14	13:20	75.5	71.3	73.6			
31-Jul-14	13:25	74.3	69.9	72.5			
31-Jul-14	13:30	75.3	70.6	73.1			
31-Jul-14	13:35	74.7	70.0	72.7			
31-Jul-14	13:40	74.7	69.8	72.8	75.2	70.7	73.3
31-Jul-14	13:45	75.7	71.1	73.6			
31-Jul-14	13:50	75.2	71.3	73.5			
31-Jul-14	13:55	75.9	71.3	74.1			
31-Jul-14	14:00	75.7	70.9	73.8			
31-Jul-14	14:05	75.9	70.9	74.0			
31-Jul-14	14:10	75.4	71.8	73.9	75.7	71.3	73.9
31-Jul-14	14:15	75.7	71.5	73.8			
31-Jul-14	14:20	75.5	71.6	73.7			
31-Jul-14	14:25	75.9	71.4	74.0			
31-Jul-14	14:30	75.5	70.4	73.6			
31-Jul-14	14:35	77.3	71.3	75.4			
31-Jul-14	14:40	75.0	70.8	73.2	75.7	71.1	73.9
31-Jul-14	14:45	75.7	71.6	73.8			
31-Jul-14	14:50	75.3	71.4	73.7			
31-Jul-14	14:55	75.4	70.8	73.5			
31-Jul-14	15:00	75.3	70.6	73.4			
31-Jul-14	15:05	75.5	71.1	73.6			
31-Jul-14	15:10	74.8	70.4	72.9	75.0	70.9	73.3
31-Jul-14	15:15	75.3	70.8	73.4			
31-Jul-14	15:20	74.3	71.5	73.0			
31-Jul-14	15:25	75.0	70.9	73.3			
31-Jul-14	15:30	77.2	69.5	73.9			
31-Jul-14	15:35	74.6	70.5	73.0			
31-Jul-14	15:40	75.4	70.6	74.4	75.3	70.1	73.4
31-Jul-14	15:45	74.8	69.3	72.4			
31-Jul-14	15:50	74.7	69.9	72.7			
31-Jul-14	15:55	74.9	71.1	73.7			
31-Jul-14	16:00	75.2	71.2	73.5			
31-Jul-14	16:05	75.3	71.0	73.4			
31-Jul-14	16:10	75.0	70.3	73.2	75.3	70.7	73.4
31-Jul-14	16:15	76.2	70.3	73.9			
31-Jul-14	16:20	74.5	70.2	72.8			
31-Jul-14	16:25	75.5	71.3	73.6			
31-Jul-14	16:30	74.9	70.3	72.9			
31-Jul-14	16:35	75.2	70.6	73.2			
31-Jul-14	16:40	75.0	70.9	73.2	75.2	70.7	73.6
31-Jul-14	16:45	75.2	70.9	75.3			
31-Jul-14	16:50	75.6	70.7	73.5			
31-Jul-14	16:55	75.0	70.7	73.0			
31-Jul-14	17:00	76.6	69.9	74.6			
31-Jul-14	17:05	75.6	70.5	73.3			
31-Jul-14	17:10	74.9	70.4	73.2	75.7	69.9	73.7
31-Jul-14	17:15	75.5	68.8	73.2			
31-Jul-14	17:20	75.8	70.1	74.3			
31-Jul-14	17:25	75.7	69.7	73.4			
31-Jul-14	17:30	74.9	68.9	72.7			
31-Jul-14	17:35	74.2	69.3	72.2			
31-Jul-14	17:40	75.9	69.9	74.1	75.1	69.4	73.5
31-Jul-14	17:45	75.7	69.3	73.5			
31-Jul-14	17:50	74.7	69.4	72.5			
31-Jul-14	17:55	75.3	69.5	75.1			
31-Jul-14	18:00	74.7	69.6	72.6			
31-Jul-14	18:05	74.1	69.4	72.1			
31-Jul-14	18:10	76.1	70.8	74.0	74.6	69.8	72.7
31-Jul-14	18:15	74.1	69.7	72.4			
31-Jul-14	18:20	74.4	69.7	72.4			
31-Jul-14	18:25	74.3	69.6	72.3			
31-Jul-14	18:30	74.1	68.9	72.0			
31-Jul-14	18:35	74.5	70.1	72.6			
31-Jul-14	18:40	74.4	68.7	72.1	74.3	69.0	72.4
31-Jul-14	18:45	74.2	68.6	72.2			
31-Jul-14	18:50	75.3	69.0	73.4			
31-Jul-14	18:55	73.5	68.9	71.7			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
1-Aug-14	7:00	73.1	60.8	69.4			
1-Aug-14	7:05	74.1	62.5	70.5			
1-Aug-14	7:10	72.3	62.6	70.4	73.3	62.6	70.2
1-Aug-14	7:15	73.5	64.1	70.5			
1-Aug-14	7:20	73.5	61.9	69.9			
1-Aug-14	7:25	73.1	63.8	70.6			
1-Aug-14	7:30	74.6	64.9	71.7			
1-Aug-14	7:35	73.1	63.9	69.9			
1-Aug-14	7:40	73.0	62.0	69.8	73.7	64.0	70.6
1-Aug-14	7:45	74.0	64.4	70.9			
1-Aug-14	7:50	73.3	65.7	70.6			
1-Aug-14	7:55	74.0	63.2	70.4			
1-Aug-14	8:00	75.4	65.4	71.9			
1-Aug-14	8:05	73.3	64.3	70.5			
1-Aug-14	8:10	74.1	63.8	70.9	74.2	64.4	71.1
1-Aug-14	8:15	73.8	64.3	70.9			
1-Aug-14	8:20	73.7	61.2	70.1			
1-Aug-14	8:25	74.8	67.1	72.1			
1-Aug-14	8:30	74.3	64.3	71.6			
1-Aug-14	8:35	74.1	65.1	71.5			
1-Aug-14	8:40	73.9	63.8	70.5	74.2	65.1	71.3
1-Aug-14	8:45	74.9	64.6	71.5			
1-Aug-14	8:50	73.9	66.9	71.3			
1-Aug-14	8:55	74.1	65.6	71.3			
1-Aug-14	9:00	74.6	67.8	71.8			
1-Aug-14	9:05	74.6	64.3	71.2			
1-Aug-14	9:10	74.0	66.7	71.2	74.8	66.5	72.8
1-Aug-14	9:15	76.0	68.1	76.1			
1-Aug-14	9:20	74.6	66.3	71.9			
1-Aug-14	9:25	74.9	66.0	72.1			
1-Aug-14	9:30	74.2	66.8	71.6			
1-Aug-14	9:35	74.9	67.1	72.2			
1-Aug-14	9:40	74.4	67.4	71.7	74.6	66.8	71.9
1-Aug-14	9:45	75.4	66.5	72.3			
1-Aug-14	9:50	74.3	66.3	71.8			
1-Aug-14	9:55	74.4	66.7	71.7			
1-Aug-14	10:00	74.8	67.1	72.1			
1-Aug-14	10:05	73.9	66.9	71.5			
1-Aug-14	10:10	74.1	67.2	71.3	74.4	67.4	71.9
1-Aug-14	10:15	74.4	68.1	72.0			
1-Aug-14	10:20	74.0	67.3	71.8			
1-Aug-14	10:25	75.3	68.0	72.4			
1-Aug-14	10:30	74.1	68.3	71.8			
1-Aug-14	10:35	75.0	68.4	72.7			
1-Aug-14	10:40	74.7	68.7	72.7	74.5	68.4	72.2
1-Aug-14	10:45	74.6	68.0	72.0			
1-Aug-14	10:50	74.0	68.3	72.1			
1-Aug-14	10:55	74.4	68.8	72.0			
1-Aug-14	11:00	73.6	65.5	71.4			
1-Aug-14	11:05	75.2	68.5	73.9			
1-Aug-14	11:10	74.3	69.1	72.1	74.4	68.2	72.4
1-Aug-14	11:15	75.2	69.5	72.9			
1-Aug-14	11:20	73.2	67.8	71.0			
1-Aug-14	11:25	74.7	68.8	72.6			
1-Aug-14	11:30	74.8	69.0	72.3			
1-Aug-14	11:35	75.2	68.8	72.9			
1-Aug-14	11:40	73.5	69.0	71.6	75.4	69.0	73.6
1-Aug-14	11:45	74.4	68.9	72.4			
1-Aug-14	11:50	73.5	69.4	71.9			
1-Aug-14	11:55	81.1	69.1	77.3			
1-Aug-14	12:00	75.9	70.1	77.6			
1-Aug-14	12:05	74.5	70.1	72.5			
1-Aug-14	12:10	74.9	69.4	73.1	75.0	69.4	74.5
1-Aug-14	12:15	74.2	69.0	72.1			
1-Aug-14	12:20	76.0	68.4	75.9			
1-Aug-14	12:25	74.6	69.2	72.4			
1-Aug-14	12:30	73.3	68.5	71.3			
1-Aug-14	12:35	73.6	69.3	72.0			
1-Aug-14	12:40	74.3	70.2	72.5	74.2	69.1	72.2
1-Aug-14	12:45	75.8	69.4	73.2			
1-Aug-14	12:50	74.6	68.8	72.4			
1-Aug-14	12:55	73.8	68.7	71.9			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
1-Aug-14	13:00	74.5	69.7	74.7			
1-Aug-14	13:05	74.3	69.0	72.3			
1-Aug-14	13:10	73.8	69.4	72.0	74.6	69.2	72.9
1-Aug-14	13:15	75.0	68.5	72.5			
1-Aug-14	13:20	74.8	68.9	72.4			
1-Aug-14	13:25	75.5	69.7	73.2			
1-Aug-14	13:30	74.6	68.1	72.2			
1-Aug-14	13:35	73.6	68.7	71.7			
1-Aug-14	13:40	73.6	68.8	71.7	74.1	68.9	72.1
1-Aug-14	13:45	75.0	69.6	72.8			
1-Aug-14	13:50	74.2	69.9	72.4			
1-Aug-14	13:55	73.5	68.3	71.7			
1-Aug-14	14:00	74.0	68.6	71.7			
1-Aug-14	14:05	74.0	69.2	72.1			
1-Aug-14	14:10	74.6	68.9	72.0	74.2	68.9	72.0
1-Aug-14	14:15	74.0	68.6	72.1			
1-Aug-14	14:20	74.5	69.5	72.5			
1-Aug-14	14:25	73.9	68.6	71.9			
1-Aug-14	14:30	74.4	69.4	72.4			
1-Aug-14	14:35	73.7	68.8	71.8			
1-Aug-14	14:40	73.7	69.4	72.0	74.4	69.4	72.4
1-Aug-14	14:45	74.4	70.2	72.6			
1-Aug-14	14:50	74.6	69.3	72.3			
1-Aug-14	14:55	75.5	69.3	73.5			
1-Aug-14	15:00	73.8	70.1	72.3			
1-Aug-14	15:05	74.9	69.3	72.5			
1-Aug-14	15:10	74.9	70.5	73.0	74.3	69.6	72.4
1-Aug-14	15:15	74.0	69.1	72.3			
1-Aug-14	15:20	74.3	69.7	72.5			
1-Aug-14	15:25	73.7	68.7	71.5			
1-Aug-14	15:30	73.6	69.3	71.9			
1-Aug-14	15:35	74.2	69.3	72.1			
1-Aug-14	15:40	73.7	69.3	72.0	76.6	69.6	76.2
1-Aug-14	15:45	74.8	69.9	72.5			
1-Aug-14	15:50	87.6	70.6	81.5			
1-Aug-14	15:55	76.0	69.3	76.8			
1-Aug-14	16:00	75.3	68.5	72.4			
1-Aug-14	16:05	73.4	69.4	71.6			
1-Aug-14	16:10	75.1	69.1	72.8	74.3	68.9	72.2
1-Aug-14	16:15	74.2	68.0	72.1			
1-Aug-14	16:20	73.8	68.8	71.8			
1-Aug-14	16:25	74.2	69.5	72.1			
1-Aug-14	16:30	74.5	69.2	72.2			
1-Aug-14	16:35	73.1	68.1	71.2			
1-Aug-14	16:40	74.5	69.2	72.3	74.4	69.1	73.4
1-Aug-14	16:45	75.0	69.1	77.1			
1-Aug-14	16:50	75.3	69.5	72.8			
1-Aug-14	16:55	74.2	69.4	71.7			
1-Aug-14	17:00	74.8	69.4	72.8			
1-Aug-14	17:05	74.3	68.7	72.4			
1-Aug-14	17:10	74.7	68.1	72.3	75.3	69.0	74.1
1-Aug-14	17:15	74.4	68.5	72.0			
1-Aug-14	17:20	79.3	70.3	78.3			
1-Aug-14	17:25	74.3	69.3	72.4			
1-Aug-14	17:30	74.2	69.4	72.1			
1-Aug-14	17:35	74.5	69.1	72.4			
1-Aug-14	17:40	74.6	69.3	72.3	74.2	68.6	72.0
1-Aug-14	17:45	74.3	67.9	72.0			
1-Aug-14	17:50	73.6	67.7	71.4			
1-Aug-14	17:55	74.1	68.3	71.9			
1-Aug-14	18:00	72.7	67.6	70.7			
1-Aug-14	18:05	74.1	69.4	73.0			
1-Aug-14	18:10	74.0	69.2	72.0	73.8	68.9	71.9
1-Aug-14	18:15	74.6	70.0	72.4			
1-Aug-14	18:20	73.9	69.2	71.9			
1-Aug-14	18:25	73.7	67.9	71.2			
1-Aug-14	18:30	73.6	68.8	72.0			
1-Aug-14	18:35	73.3	67.9	71.4			
1-Aug-14	18:40	73.9	68.8	71.8	73.9	68.0	71.8
1-Aug-14	18:45	73.9	67.8	71.8			
1-Aug-14	18:50	74.8	67.5	72.1			
1-Aug-14	18:55	74.1	67.3	71.7			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
2-Aug-14	7:00	74.3	65.1	71.1			
2-Aug-14	7:05	73.5	62.1	70.6			
2-Aug-14	7:10	74.4	64.9	71.6	74.4	65.2	71.3
2-Aug-14	7:15	75.5	66.5	72.0			
2-Aug-14	7:20	74.5	66.1	71.3			
2-Aug-14	7:25	74.2	66.2	71.1			
2-Aug-14	7:30	76.1	67.2	72.8			
2-Aug-14	7:35	74.8	65.7	72.1			
2-Aug-14	7:40	74.7	68.4	72.7	75.5	67.7	72.8
2-Aug-14	7:45	75.4	69.3	73.1			
2-Aug-14	7:50	76.2	66.5	73.2			
2-Aug-14	7:55	75.7	69.0	73.0			
2-Aug-14	8:00	76.4	70.0	74.0			
2-Aug-14	8:05	75.3	68.8	73.2			
2-Aug-14	8:10	76.1	69.0	73.6	76.4	70.1	74.0
2-Aug-14	8:15	76.5	69.9	74.0			
2-Aug-14	8:20	77.3	71.6	74.8			
2-Aug-14	8:25	76.5	70.9	74.4			
2-Aug-14	8:30	75.9	70.9	74.1			
2-Aug-14	8:35	76.5	72.0	74.6			
2-Aug-14	8:40	76.7	70.9	74.6	76.4	71.4	74.4
2-Aug-14	8:45	76.0	70.8	73.8			
2-Aug-14	8:50	76.9	72.2	74.8			
2-Aug-14	8:55	76.4	71.6	74.4			
2-Aug-14	9:00	75.7	70.8	73.7			
2-Aug-14	9:05	76.3	72.0	74.4			
2-Aug-14	9:10	76.1	72.4	74.5	77.0	71.9	76.8
2-Aug-14	9:15	75.7	71.2	73.7			
2-Aug-14	9:20	81.9	72.7	81.9			
2-Aug-14	9:25	76.5	72.1	74.6			
2-Aug-14	9:30	76.4	72.1	74.6			
2-Aug-14	9:35	75.7	71.1	73.9			
2-Aug-14	9:40	75.9	71.4	73.8	76.2	71.3	74.5
2-Aug-14	9:45	75.8	70.8	73.7			
2-Aug-14	9:50	75.7	71.0	73.9			
2-Aug-14	9:55	77.6	71.3	76.5			
2-Aug-14	10:00	75.8	70.2	73.7			
2-Aug-14	10:05	75.9	70.9	73.9			
2-Aug-14	10:10	75.2	70.7	73.2	75.5	70.6	73.6
2-Aug-14	10:15	75.8	70.8	73.8			
2-Aug-14	10:20	74.8	70.3	73.1			
2-Aug-14	10:25	75.3	70.8	73.7			
2-Aug-14	10:30	75.8	70.8	73.6			
2-Aug-14	10:35	75.5	71.2	73.6			
2-Aug-14	10:40	76.4	72.4	74.8	76.2	71.4	75.5
2-Aug-14	10:45	78.4	71.8	79.5			
2-Aug-14	10:50	75.4	70.7	73.6			
2-Aug-14	10:55	76.0	71.4	74.2			
2-Aug-14	11:00	76.0	71.7	74.5			
2-Aug-14	11:05	76.0	72.1	74.5			
2-Aug-14	11:10	76.8	71.7	74.7	76.3	71.7	74.5
2-Aug-14	11:15	76.2	71.6	74.3			
2-Aug-14	11:20	76.1	71.3	74.4			
2-Aug-14	11:25	76.8	72.0	74.7			
2-Aug-14	11:30	79.8	71.7	81.2			
2-Aug-14	11:35	76.6	71.8	74.7			
2-Aug-14	11:40	75.1	70.2	73.7	76.2	71.0	76.2
2-Aug-14	11:45	75.0	70.6	73.2			
2-Aug-14	11:50	75.1	71.1	73.8			
2-Aug-14	11:55	75.5	70.6	73.5			
2-Aug-14	12:00	75.2	69.6	72.9			
2-Aug-14	12:05	74.6	69.6	72.6			
2-Aug-14	12:10	75.8	70.5	73.7	74.9	69.7	72.9
2-Aug-14	12:15	74.6	69.7	72.6			
2-Aug-14	12:20	73.9	69.2	72.1			
2-Aug-14	12:25	75.2	70.0	73.4			
2-Aug-14	12:30	75.9	70.3	73.7			
2-Aug-14	12:35	74.9	69.7	72.8			
2-Aug-14	12:40	75.0	69.7	73.1	74.9	69.6	72.9
2-Aug-14	12:45	75.3	69.6	73.1			
2-Aug-14	12:50	74.2	69.1	72.0			
2-Aug-14	12:55	74.0	69.3	72.1			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
2-Aug-14	13:00	74.5	70.5	72.8			
2-Aug-14	13:05	75.9	70.7	73.7			
2-Aug-14	13:10	76.0	71.0	73.9	75.8	71.2	73.9
2-Aug-14	13:15	77.0	72.2	74.9			
2-Aug-14	13:20	75.7	71.4	73.8			
2-Aug-14	13:25	75.5	71.3	73.8			
2-Aug-14	13:30	76.1	71.4	74.5			
2-Aug-14	13:35	75.3	70.4	73.4			
2-Aug-14	13:40	74.7	69.9	72.8	75.5	70.8	73.7
2-Aug-14	13:45	75.4	71.3	73.7			
2-Aug-14	13:50	76.1	71.6	74.3			
2-Aug-14	13:55	75.2	70.5	73.2			
2-Aug-14	14:00	75.4	70.7	73.4			
2-Aug-14	14:05	75.0	71.0	73.4			
2-Aug-14	14:10	75.2	70.4	73.0	75.5	70.9	73.8
2-Aug-14	14:15	75.2	71.1	73.5			
2-Aug-14	14:20	75.7	71.3	75.3			
2-Aug-14	14:25	76.2	71.2	74.0			
2-Aug-14	14:30	75.2	71.5	73.5			
2-Aug-14	14:35	74.8	70.8	73.1			
2-Aug-14	14:40	75.0	71.0	73.3	75.1	71.2	73.4
2-Aug-14	14:45	75.9	71.6	74.1			
2-Aug-14	14:50	75.1	71.6	73.6			
2-Aug-14	14:55	74.9	70.8	73.1			
2-Aug-14	15:00	75.5	70.7	73.9			
2-Aug-14	15:05	75.9	70.1	73.7			
2-Aug-14	15:10	74.5	70.4	72.7	75.3	70.6	73.5
2-Aug-14	15:15	75.4	71.2	73.5			
2-Aug-14	15:20	75.0	70.5	73.0			
2-Aug-14	15:25	75.3	70.6	74.2			
2-Aug-14	15:30	74.7	70.3	72.6			
2-Aug-14	15:35	75.3	70.0	73.1			
2-Aug-14	15:40	74.4	70.3	72.6	74.7	70.0	72.7
2-Aug-14	15:45	74.7	70.7	73.1			
2-Aug-14	15:50	73.8	69.1	71.9			
2-Aug-14	15:55	75.1	69.6	73.0			
2-Aug-14	16:00	75.4	70.6	73.3			
2-Aug-14	16:05	74.8	70.3	72.8			
2-Aug-14	16:10	74.3	70.5	72.6	74.8	70.5	73.0
2-Aug-14	16:15	74.5	70.0	73.0			
2-Aug-14	16:20	75.2	71.0	73.5			
2-Aug-14	16:25	74.5	70.5	72.8			
2-Aug-14	16:30	75.2	71.1	73.7			
2-Aug-14	16:35	74.9	69.0	72.7			
2-Aug-14	16:40	75.0	69.5	72.7	75.2	69.8	73.1
2-Aug-14	16:45	75.6	69.7	73.5			
2-Aug-14	16:50	75.3	69.8	73.2			
2-Aug-14	16:55	75.0	69.7	72.9			
2-Aug-14	17:00	75.7	69.5	73.5			
2-Aug-14	17:05	75.1	69.6	73.0			
2-Aug-14	17:10	75.3	69.8	73.0	75.1	69.3	72.9
2-Aug-14	17:15	74.6	68.9	72.5			
2-Aug-14	17:20	75.1	69.8	73.2			
2-Aug-14	17:25	74.8	68.5	72.4			
2-Aug-14	17:30	75.1	67.3	72.6			
2-Aug-14	17:35	74.9	70.0	72.8			
2-Aug-14	17:40	74.3	68.7	72.3	74.8	68.9	72.7
2-Aug-14	17:45	75.0	68.0	72.6			
2-Aug-14	17:50	74.9	70.2	73.3			
2-Aug-14	17:55	74.6	69.0	72.4			
2-Aug-14	18:00	75.3	69.7	73.2			
2-Aug-14	18:05	74.9	69.9	72.8			
2-Aug-14	18:10	74.8	69.4	74.0	75.4	69.5	73.9
2-Aug-14	18:15	77.4	69.5	76.4			
2-Aug-14	18:20	75.3	69.3	72.8			
2-Aug-14	18:25	74.8	69.4	72.8			
2-Aug-14	18:30	75.2	70.1	73.1			
2-Aug-14	18:35	74.7	69.5	72.5			
2-Aug-14	18:40	75.3	70.0	73.0	74.8	69.4	72.7
2-Aug-14	18:45	74.1	67.6	72.0			
2-Aug-14	18:50	74.8	69.3	72.7			
2-Aug-14	18:55	74.6	70.2	72.6			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
3-Aug-14	7:00	74.3	63.8	71.4			
3-Aug-14	7:05	74.0	63.1	70.8			
3-Aug-14	7:10	73.9	64.5	71.0	74.3	64.4	71.4
3-Aug-14	7:15	74.5	64.2	71.6			
3-Aug-14	7:20	74.4	65.1	71.4			
3-Aug-14	7:25	75.0	65.8	71.9			
3-Aug-14	7:30	75.7	66.5	72.4			
3-Aug-14	7:35	74.4	65.9	71.8			
3-Aug-14	7:40	75.7	68.6	74.6	75.3	67.7	73.0
3-Aug-14	7:45	74.6	68.0	72.5			
3-Aug-14	7:50	75.7	68.4	73.0			
3-Aug-14	7:55	75.7	68.8	73.0			
3-Aug-14	8:00	75.9	68.8	73.4			
3-Aug-14	8:05	75.6	70.3	73.5			
3-Aug-14	8:10	75.5	69.4	73.1	75.9	70.0	73.6
3-Aug-14	8:15	75.7	70.6	73.7			
3-Aug-14	8:20	76.7	70.4	74.0			
3-Aug-14	8:25	76.3	70.7	73.9			
3-Aug-14	8:30	76.3	70.2	74.0			
3-Aug-14	8:35	78.0	70.8	75.4			
3-Aug-14	8:40	77.6	71.2	75.0	76.7	70.8	74.4
3-Aug-14	8:45	76.3	71.1	74.1			
3-Aug-14	8:50	76.5	70.1	74.1			
3-Aug-14	8:55	75.7	71.1	73.8			
3-Aug-14	9:00	76.4	71.5	74.3			
3-Aug-14	9:05	75.7	70.9	73.7			
3-Aug-14	9:10	75.4	70.8	73.8	76.1	71.0	74.1
3-Aug-14	9:15	76.7	71.2	74.5			
3-Aug-14	9:20	75.9	70.7	73.7			
3-Aug-14	9:25	76.3	71.2	74.5			
3-Aug-14	9:30	75.5	72.4	74.5			
3-Aug-14	9:35	75.9	72.1	74.3			
3-Aug-14	9:40	76.0	71.6	74.1	75.9	71.9	74.2
3-Aug-14	9:45	76.0	72.2	74.2			
3-Aug-14	9:50	75.8	71.8	74.0			
3-Aug-14	9:55	76.4	71.4	74.0			
3-Aug-14	10:00	75.8	70.5	73.6			
3-Aug-14	10:05	76.1	70.5	74.0			
3-Aug-14	10:10	75.9	70.9	73.7	75.8	70.6	73.8
3-Aug-14	10:15	75.1	70.2	73.1			
3-Aug-14	10:20	74.3	69.8	72.4			
3-Aug-14	10:25	77.7	72.0	75.6			
3-Aug-14	10:30	79.1	74.7	77.5			
3-Aug-14	10:35	78.3	75.0	76.9			
3-Aug-14	10:40	78.3	74.6	76.8	77.3	73.3	75.9
3-Aug-14	10:45	76.4	72.5	74.9			
3-Aug-14	10:50	76.3	71.8	74.3			
3-Aug-14	10:55	75.3	71.3	73.6			
3-Aug-14	11:00	75.7	71.3	73.8			
3-Aug-14	11:05	75.9	71.1	73.9			
3-Aug-14	11:10	74.4	69.8	72.6	75.7	70.8	74.0
3-Aug-14	11:15	76.2	71.4	74.3			
3-Aug-14	11:20	75.1	70.4	73.3			
3-Aug-14	11:25	76.8	70.8	75.6			
3-Aug-14	11:30	75.1	70.6	73.3			
3-Aug-14	11:35	75.6	69.8	73.4			
3-Aug-14	11:40	75.5	70.6	73.6	75.2	70.2	73.2
3-Aug-14	11:45	74.5	69.7	72.7			
3-Aug-14	11:50	75.0	70.7	73.2			
3-Aug-14	11:55	75.3	69.7	73.1			
3-Aug-14	12:00	75.1	69.5	72.9			
3-Aug-14	12:05	74.2	69.5	72.3			
3-Aug-14	12:10	74.4	70.9	72.8	74.8	70.2	73.0
3-Aug-14	12:15	74.8	70.9	73.2			
3-Aug-14	12:20	75.3	70.5	73.4			
3-Aug-14	12:25	75.0	70.0	73.3			
3-Aug-14	12:30	74.9	70.0	73.0			
3-Aug-14	12:35	75.2	70.9	73.6			
3-Aug-14	12:40	74.8	70.0	72.7	75.4	70.2	73.6
3-Aug-14	12:45	75.5	69.9	73.3			
3-Aug-14	12:50	76.6	70.1	74.9			
3-Aug-14	12:55	75.6	70.2	73.5			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
3-Aug-14	13:00	74.9	69.2	72.8			
3-Aug-14	13:05	74.9	69.0	72.7			
3-Aug-14	13:10	71.9	70.5	71.3	74.8	70.0	72.9
3-Aug-14	13:15	75.5	69.7	73.1			
3-Aug-14	13:20	75.5	71.1	73.5			
3-Aug-14	13:25	75.8	70.5	73.5			
3-Aug-14	13:30	75.7	70.7	73.6			
3-Aug-14	13:35	75.6	70.8	73.7			
3-Aug-14	13:40	75.6	70.0	73.8	75.5	70.5	74.1
3-Aug-14	13:45	74.5	70.3	72.8			
3-Aug-14	13:50	75.1	70.4	73.2			
3-Aug-14	13:55	76.7	71.1	76.4			
3-Aug-14	14:00	75.6	70.5	73.6			
3-Aug-14	14:05	75.0	71.1	73.4			
3-Aug-14	14:10	75.7	71.2	73.7	75.6	71.2	73.7
3-Aug-14	14:15	76.3	71.4	74.2			
3-Aug-14	14:20	75.9	71.7	73.9			
3-Aug-14	14:25	75.2	71.2	73.4			
3-Aug-14	14:30	74.7	71.1	73.1			
3-Aug-14	14:35	75.6	71.1	73.7			
3-Aug-14	14:40	74.5	70.5	73.0	75.5	71.0	73.7
3-Aug-14	14:45	76.7	71.2	74.7			
3-Aug-14	14:50	76.6	71.0	74.0			
3-Aug-14	14:55	75.0	70.9	73.2			
3-Aug-14	15:00	75.4	70.4	73.2			
3-Aug-14	15:05	74.6	70.7	73.1			
3-Aug-14	15:10	75.0	70.6	73.1	75.3	70.5	73.4
3-Aug-14	15:15	75.9	70.7	73.9			
3-Aug-14	15:20	75.5	70.4	73.5			
3-Aug-14	15:25	75.5	70.5	73.5			
3-Aug-14	15:30	75.5	70.4	73.7			
3-Aug-14	15:35	75.3	70.4	73.5			
3-Aug-14	15:40	74.1	70.7	72.7	75.2	70.8	73.5
3-Aug-14	15:45	75.4	71.0	73.6			
3-Aug-14	15:50	75.4	71.2	73.8			
3-Aug-14	15:55	75.5	71.3	73.7			
3-Aug-14	16:00	75.1	70.3	73.0			
3-Aug-14	16:05	75.6	70.8	73.8			
3-Aug-14	16:10	75.2	70.2	73.2	75.3	70.3	73.3
3-Aug-14	16:15	74.6	70.4	72.9			
3-Aug-14	16:20	75.6	71.0	73.6			
3-Aug-14	16:25	75.5	69.3	73.5			
3-Aug-14	16:30	76.2	70.2	77.0			
3-Aug-14	16:35	76.1	70.7	74.7			
3-Aug-14	16:40	75.5	70.5	73.4	75.6	70.4	74.4
3-Aug-14	16:45	75.0	70.6	73.0			
3-Aug-14	16:50	75.5	70.0	73.4			
3-Aug-14	16:55	75.7	70.6	73.6			
3-Aug-14	17:00	75.0	70.5	73.1			
3-Aug-14	17:05	75.8	70.0	73.4			
3-Aug-14	17:10	76.3	69.2	73.7	76.3	70.0	74.0
3-Aug-14	17:15	75.2	69.2	73.0			
3-Aug-14	17:20	77.9	70.1	75.2			
3-Aug-14	17:25	77.9	71.2	75.1			
3-Aug-14	17:30	76.8	70.8	74.6			
3-Aug-14	17:35	75.5	69.9	73.2			
3-Aug-14	17:40	76.3	70.3	73.9	75.9	70.4	73.7
3-Aug-14	17:45	76.0	70.7	73.8			
3-Aug-14	17:50	76.0	70.9	73.7			
3-Aug-14	17:55	74.8	69.8	72.9			
3-Aug-14	18:00	75.6	69.4	73.5			
3-Aug-14	18:05	74.3	69.9	72.5			
3-Aug-14	18:10	74.9	70.7	73.0	74.9	69.9	73.0
3-Aug-14	18:15	75.0	69.7	72.9			
3-Aug-14	18:20	74.6	70.1	73.0			
3-Aug-14	18:25	75.1	69.6	72.8			
3-Aug-14	18:30	75.1	70.3	73.1			
3-Aug-14	18:35	75.1	70.3	73.4			
3-Aug-14	18:40	74.7	69.5	72.6	74.8	69.5	72.9
3-Aug-14	18:45	75.2	68.8	72.8			
3-Aug-14	18:50	74.5	69.2	72.6			
3-Aug-14	18:55	74.5	69.1	72.7			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
4-Aug-14	7:00	73.6	64.8	70.7			
4-Aug-14	7:05	73.6	63.7	71.0			
4-Aug-14	7:10	73.5	63.0	70.2	74.2	64.9	71.4
4-Aug-14	7:15	74.6	66.3	71.9			
4-Aug-14	7:20	74.8	64.4	71.9			
4-Aug-14	7:25	74.8	67.0	72.1			
4-Aug-14	7:30	75.2	66.1	71.9			
4-Aug-14	7:35	75.1	66.8	72.4			
4-Aug-14	7:40	75.5	65.9	72.8	75.6	67.2	72.9
4-Aug-14	7:45	76.1	68.9	74.3			
4-Aug-14	7:50	75.8	67.5	73.0			
4-Aug-14	7:55	75.7	68.1	72.8			
4-Aug-14	8:00	75.2	69.9	73.1			
4-Aug-14	8:05	76.7	68.6	73.7			
4-Aug-14	8:10	76.5	70.1	74.1	76.2	70.4	74.0
4-Aug-14	8:15	75.8	70.6	73.6			
4-Aug-14	8:20	77.5	72.0	75.2			
4-Aug-14	8:25	75.8	71.0	73.9			
4-Aug-14	8:30	76.6	70.6	74.1			
4-Aug-14	8:35	76.1	70.9	74.0			
4-Aug-14	8:40	76.8	70.7	74.5	76.6	70.9	74.3
4-Aug-14	8:45	76.7	70.9	74.3			
4-Aug-14	8:50	77.0	71.4	74.5			
4-Aug-14	8:55	76.4	70.7	74.1			
4-Aug-14	9:00	75.7	71.4	74.0			
4-Aug-14	9:05	76.0	72.2	74.3			
4-Aug-14	9:10	76.7	70.6	74.3	76.1	71.6	74.3
4-Aug-14	9:15	77.0	72.5	75.0			
4-Aug-14	9:20	76.0	72.0	74.3			
4-Aug-14	9:25	75.3	71.0	73.6			
4-Aug-14	9:30	76.5	71.8	74.5			
4-Aug-14	9:35	77.2	71.5	74.6			
4-Aug-14	9:40	75.5	71.6	73.8	76.1	71.3	74.1
4-Aug-14	9:45	75.7	70.8	73.5			
4-Aug-14	9:50	75.6	70.8	73.5			
4-Aug-14	9:55	76.4	71.4	74.6			
4-Aug-14	10:00	75.7	71.3	74.1			
4-Aug-14	10:05	76.9	72.0	74.8			
4-Aug-14	10:10	75.8	71.3	73.8	76.4	71.7	74.6
4-Aug-14	10:15	76.2	71.4	74.3			
4-Aug-14	10:20	75.6	71.0	73.9			
4-Aug-14	10:25	78.2	73.0	76.2			
4-Aug-14	10:30	78.2	73.1	76.2			
4-Aug-14	10:35	77.7	72.8	75.6			
4-Aug-14	10:40	76.5	72.5	75.0	77.3	73.2	75.6
4-Aug-14	10:45	77.9	73.9	76.1			
4-Aug-14	10:50	76.6	73.0	75.1			
4-Aug-14	10:55	76.8	73.7	75.4			
4-Aug-14	11:00	83.7	72.2	79.1			
4-Aug-14	11:05	78.2	72.2	76.3			
4-Aug-14	11:10	75.8	71.6	74.0	77.3	71.6	75.6
4-Aug-14	11:15	75.8	71.7	74.1			
4-Aug-14	11:20	75.8	71.7	73.9			
4-Aug-14	11:25	74.4	70.0	72.6			
4-Aug-14	11:30	75.0	70.3	73.1			
4-Aug-14	11:35	75.8	71.0	73.7			
4-Aug-14	11:40	75.3	70.1	73.0	75.0	70.1	73.0
4-Aug-14	11:45	74.7	69.8	72.6			
4-Aug-14	11:50	75.2	70.1	73.1			
4-Aug-14	11:55	74.3	69.2	72.5			
4-Aug-14	12:00	75.2	69.2	72.9			
4-Aug-14	12:05	75.2	69.9	72.8			
4-Aug-14	12:10	74.5	70.4	72.9	75.4	70.2	73.3
4-Aug-14	12:15	75.6	69.8	73.4			
4-Aug-14	12:20	75.5	71.2	73.6			
4-Aug-14	12:25	76.6	70.8	73.9			
4-Aug-14	12:30	75.3	70.3	73.3			
4-Aug-14	12:35	75.0	71.1	73.4			
4-Aug-14	12:40	75.1	70.2	73.0	75.4	70.4	73.4
4-Aug-14	12:45	75.8	70.3	73.6			
4-Aug-14	12:50	76.1	70.4	73.9			
4-Aug-14	12:55	75.0	69.9	73.1			

Noise Monitoring Results NM4

Date	Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
4-Aug-14	13:00	75.4	70.6	73.3			
4-Aug-14	13:05	75.4	70.6	73.5			
4-Aug-14	13:10	74.9	70.2	73.0	75.3	70.3	73.3
4-Aug-14	13:15	75.3	70.2	73.2			
4-Aug-14	13:20	75.7	69.8	73.5			
4-Aug-14	13:25	75.2	70.1	73.1			
4-Aug-14	13:30	72.4	71.5	71.9			
4-Aug-14	13:35	75.6	70.6	73.4			
4-Aug-14	13:40	75.4	70.8	73.6	75.0	70.8	73.3
4-Aug-14	13:45	75.7	70.5	73.3			
4-Aug-14	13:50	75.5	70.5	73.6			
4-Aug-14	13:55	75.4	71.1	73.7			
4-Aug-14	14:00	75.4	71.6	73.9			
4-Aug-14	14:05	75.5	71.0	73.4			
4-Aug-14	14:10	75.7	71.2	74.0	75.2	71.3	73.6
4-Aug-14	14:15	75.2	71.5	73.9			
4-Aug-14	14:20	74.6	70.9	73.0			
4-Aug-14	14:25	74.9	71.4	73.3			
4-Aug-14	14:30	75.9	71.6	74.1			
4-Aug-14	14:35	74.9	71.6	73.5			
4-Aug-14	14:40	76.1	71.0	74.2	75.4	71.2	73.7
4-Aug-14	14:45	75.6	71.4	73.8			
4-Aug-14	14:50	74.9	71.3	73.4			
4-Aug-14	14:55	75.0	70.3	73.1			
4-Aug-14	15:00	75.1	70.6	73.2			
4-Aug-14	15:05	74.6	70.6	72.8			
4-Aug-14	15:10	75.6	71.9	73.9	75.1	70.7	73.2
4-Aug-14	15:15	75.4	70.7	73.4			
4-Aug-14	15:20	75.0	70.6	73.2			
4-Aug-14	15:25	74.7	70.1	72.6			
4-Aug-14	15:30	75.7	70.3	73.4			
4-Aug-14	15:35	75.3	70.6	73.3			
4-Aug-14	15:40	74.9	71.5	73.5	75.3	70.7	73.5
4-Aug-14	15:45	75.4	71.2	73.7			
4-Aug-14	15:50	75.6	70.4	73.6			
4-Aug-14	15:55	75.0	70.3	73.3			
4-Aug-14	16:00	75.2	71.0	73.4			
4-Aug-14	16:05	74.4	70.3	72.6			
4-Aug-14	16:10	74.6	70.7	73.0	75.2	70.8	73.4
4-Aug-14	16:15	76.2	71.1	74.0			
4-Aug-14	16:20	75.5	70.9	73.5			
4-Aug-14	16:25	75.5	71.1	73.8			
4-Aug-14	16:30	75.0	70.2	72.9			
4-Aug-14	16:35	75.9	71.3	74.1			
4-Aug-14	16:40	75.8	70.8	74.0	75.8	70.6	73.8
4-Aug-14	16:45	77.1	71.3	74.6			
4-Aug-14	16:50	74.7	69.7	72.6			
4-Aug-14	16:55	76.2	70.3	74.1			
4-Aug-14	17:00	75.8	69.1	73.7			
4-Aug-14	17:05	75.1	69.4	72.8			
4-Aug-14	17:10	76.0	69.5	73.6	75.3	69.5	73.2
4-Aug-14	17:15	75.0	68.9	72.5			
4-Aug-14	17:20	75.5	70.2	73.5			
4-Aug-14	17:25	74.6	70.2	72.8			
4-Aug-14	17:30	75.0	69.7	72.9			
4-Aug-14	17:35	75.9	69.5	73.4			
4-Aug-14	17:40	75.1	68.8	72.9	75.3	69.6	73.2
4-Aug-14	17:45	75.6	69.6	73.5			
4-Aug-14	17:50	75.5	69.8	73.2			
4-Aug-14	17:55	75.0	70.2	73.2			
4-Aug-14	18:00	75.2	70.7	73.3			
4-Aug-14	18:05	74.6	69.7	72.6			
4-Aug-14	18:10	74.3	69.7	72.3	75.1	69.8	73.0
4-Aug-14	18:15	75.4	70.1	73.3			
4-Aug-14	18:20	75.8	70.1	73.6			
4-Aug-14	18:25	75.0	68.5	73.2			
4-Aug-14	18:30	74.9	69.4	73.0			
4-Aug-14	18:35	74.9	69.0	72.3			
4-Aug-14	18:40	73.9	69.3	72.6	74.5	69.2	72.6
4-Aug-14	18:45	74.7	70.4	72.7			
4-Aug-14	18:50	74.9	69.6	72.9			
4-Aug-14	18:55	74.0	67.8	71.9			

XRL Baseline Monitoring - Noise Monitoring Results
Location: Star Tower, The Arch
Monitoring Station ID: CN 33
Monitoring period: 14/12/2009 - 10/1/2010
Note: 1) For measurement on weekdays, only Leq(30min), L10(30min) and L90 (30min) are available
2) The data below is time-slot averaged. Log average was used.

Measurement on Weekdays

Time	L10	L90	Leq	L10 (30min)	L90 (30min)	Leq (30min)
7:00	N/A	N/A	N/A			
7:05	N/A	N/A	N/A			
7:10	N/A	N/A	N/A	64.9	61.2	63.3
7:15	N/A	N/A	N/A			
7:20	N/A	N/A	N/A			
7:25	N/A	N/A	N/A			
7:30	N/A	N/A	N/A			
7:35	N/A	N/A	N/A			
7:40	N/A	N/A	N/A	66.1	62.3	64.6
7:45	N/A	N/A	N/A			
7:50	N/A	N/A	N/A			
7:55	N/A	N/A	N/A			
8:00	N/A	N/A	N/A			
8:05	N/A	N/A	N/A			
8:10	N/A	N/A	N/A	67.4	63.9	66.0
8:15	N/A	N/A	N/A			
8:20	N/A	N/A	N/A			
8:25	N/A	N/A	N/A			
8:30	N/A	N/A	N/A			
8:35	N/A	N/A	N/A			
8:40	N/A	N/A	N/A	68.2	64.6	66.7
8:45	N/A	N/A	N/A			
8:50	N/A	N/A	N/A			
8:55	N/A	N/A	N/A			
9:00	N/A	N/A	N/A			
9:05	N/A	N/A	N/A			
9:10	N/A	N/A	N/A	68.1	64.6	66.7
9:15	N/A	N/A	N/A			
9:20	N/A	N/A	N/A			
9:25	N/A	N/A	N/A			
9:30	N/A	N/A	N/A			
9:35	N/A	N/A	N/A			
9:40	N/A	N/A	N/A	68.1	64.7	66.8
9:45	N/A	N/A	N/A			
9:50	N/A	N/A	N/A			
9:55	N/A	N/A	N/A			
10:00	N/A	N/A	N/A			
10:05	N/A	N/A	N/A			
10:10	N/A	N/A	N/A	69.1	64.8	67.3
10:15	N/A	N/A	N/A			
10:20	N/A	N/A	N/A			
10:25	N/A	N/A	N/A			
10:30	N/A	N/A	N/A			
10:35	N/A	N/A	N/A			
10:40	N/A	N/A	N/A	69.1	64.9	67.3
10:45	N/A	N/A	N/A			
10:50	N/A	N/A	N/A			
10:55	N/A	N/A	N/A			
11:00	N/A	N/A	N/A			
11:05	N/A	N/A	N/A			
11:10	N/A	N/A	N/A	68.1	64.9	66.8
11:15	N/A	N/A	N/A			
11:20	N/A	N/A	N/A			
11:25	N/A	N/A	N/A			
11:30	N/A	N/A	N/A			
11:35	N/A	N/A	N/A			
11:40	N/A	N/A	N/A	67.7	64.1	66.3
11:45	N/A	N/A	N/A			
11:50	N/A	N/A	N/A			
11:55	N/A	N/A	N/A			
12:00	N/A	N/A	N/A			
12:05	N/A	N/A	N/A			
12:10	N/A	N/A	N/A	67.0	64.0	65.8
12:15	N/A	N/A	N/A			
12:20	N/A	N/A	N/A			
12:25	N/A	N/A	N/A			
12:30	N/A	N/A	N/A			
12:35	N/A	N/A	N/A			
12:40	N/A	N/A	N/A	67.3	64.0	65.9
12:45	N/A	N/A	N/A			
12:50	N/A	N/A	N/A			
12:55	N/A	N/A	N/A			

XRL Baseline Monitoring - Noise Monitoring Results
Location: Star Tower, The Arch
Monitoring Station ID: CN 33
Monitoring period: 14/12/2009 - 10/1/2010
Note: 1) For measurement on weekdays, only Leq(30min), L10(30min) and L90 (30min) are available
2) The data below is time-slot averaged. Log average was used.

Measurement on Weekdays

Time	L10	L90	Leq	L10 (30min)	L90 (30min)	Leq (30min)
13:00	N/A	N/A	N/A			
13:05	N/A	N/A	N/A			
13:10	N/A	N/A	N/A	68.6	64.5	66.8
13:15	N/A	N/A	N/A			
13:20	N/A	N/A	N/A			
13:25	N/A	N/A	N/A			
13:30	N/A	N/A	N/A			
13:35	N/A	N/A	N/A			
13:40	N/A	N/A	N/A	68.2	64.6	66.7
13:45	N/A	N/A	N/A			
13:50	N/A	N/A	N/A			
13:55	N/A	N/A	N/A			
14:00	N/A	N/A	N/A			
14:05	N/A	N/A	N/A			
14:10	N/A	N/A	N/A	68.5	64.5	66.9
14:15	N/A	N/A	N/A			
14:20	N/A	N/A	N/A			
14:25	N/A	N/A	N/A			
14:30	N/A	N/A	N/A			
14:35	N/A	N/A	N/A			
14:40	N/A	N/A	N/A	69.5	64.4	67.1
14:45	N/A	N/A	N/A			
14:50	N/A	N/A	N/A			
14:55	N/A	N/A	N/A			
15:00	N/A	N/A	N/A			
15:05	N/A	N/A	N/A			
15:10	N/A	N/A	N/A	68.0	64.6	66.6
15:15	N/A	N/A	N/A			
15:20	N/A	N/A	N/A			
15:25	N/A	N/A	N/A			
15:30	N/A	N/A	N/A			
15:35	N/A	N/A	N/A			
15:40	N/A	N/A	N/A	67.5	64.7	66.4
15:45	N/A	N/A	N/A			
15:50	N/A	N/A	N/A			
15:55	N/A	N/A	N/A			
16:00	N/A	N/A	N/A			
16:05	N/A	N/A	N/A			
16:10	N/A	N/A	N/A	67.4	64.7	66.4
16:15	N/A	N/A	N/A			
16:20	N/A	N/A	N/A			
16:25	N/A	N/A	N/A			
16:30	N/A	N/A	N/A			
16:35	N/A	N/A	N/A			
16:40	N/A	N/A	N/A	67.8	64.9	66.7
16:45	N/A	N/A	N/A			
16:50	N/A	N/A	N/A			
16:55	N/A	N/A	N/A			
17:00	N/A	N/A	N/A			
17:05	N/A	N/A	N/A			
17:10	N/A	N/A	N/A	67.5	64.6	66.3
17:15	N/A	N/A	N/A			
17:20	N/A	N/A	N/A			
17:25	N/A	N/A	N/A			
17:30	N/A	N/A	N/A			
17:35	N/A	N/A	N/A			
17:40	N/A	N/A	N/A	67.2	64.3	66.1
17:45	N/A	N/A	N/A			
17:50	N/A	N/A	N/A			
17:55	N/A	N/A	N/A			
18:00	N/A	N/A	N/A			
18:05	N/A	N/A	N/A			
18:10	N/A	N/A	N/A	67.1	64.1	65.9
18:15	N/A	N/A	N/A			
18:20	N/A	N/A	N/A			
18:25	N/A	N/A	N/A			
18:30	N/A	N/A	N/A			
18:35	N/A	N/A	N/A			
18:40	N/A	N/A	N/A	66.6	64.7	65.4
18:45	N/A	N/A	N/A			
18:50	N/A	N/A	N/A			
18:55	N/A	N/A	N/A			

XRL Baseline Monitoring - Noise Monitoring Results
Location: Star Tower, The Arch
Monitoring Station ID: CN 33
Monitoring period: 14/12/2009 - 10/1/2010
Note: 1) For measurement on weekdays, only Leq(30min), L10(30min) and L90 (30min) are available
2) The data below is time-slot averaged. Log average was used.

Measurement on General Holidays (including Sundays)

Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
7:00	63.4	59.6	61.9			
7:05	64.8	60.2	63.3			
7:10	63.9	59.6	62.2	64.0	60.0	62.5
7:15	63.9	60.1	62.2			
7:20	64.1	60.3	62.5			
7:25	63.9	60.3	62.6			
7:30	64.6	60.5	63.3			
7:35	64.4	60.4	62.8			
7:40	64.3	60.1	62.9	64.6	60.5	63.1
7:45	64.4	60.3	62.8			
7:50	64.9	60.9	63.5			
7:55	64.7	60.7	63.1			
8:00	64.5	60.9	63.0			
8:05	64.5	60.6	62.9			
8:10	64.5	60.8	63.0	64.8	61.0	63.3
8:15	64.5	60.9	63.1			
8:20	65.5	61.0	63.8			
8:25	65.3	61.5	63.8			
8:30	65.6	61.3	63.7			
8:35	65.3	61.8	64.0			
8:40	65.0	61.0	63.4	65.2	61.3	63.6
8:45	65.2	61.0	63.4			
8:50	64.8	61.3	63.4			
8:55	65.4	61.6	63.9			
9:00	65.3	61.4	63.7			
9:05	65.0	61.5	63.6			
9:10	66.0	61.4	64.2	65.3	61.4	63.8
9:15	65.0	61.1	63.5			
9:20	65.3	61.6	63.9			
9:25	65.4	61.5	63.8			
9:30	64.8	61.1	63.3			
9:35	65.1	61.5	63.6			
9:40	65.3	61.6	63.9	65.3	61.6	63.8
9:45	65.2	61.6	63.8			
9:50	65.5	61.5	64.0			
9:55	65.7	62.0	64.3			
10:00	65.8	61.8	64.3			
10:05	65.8	61.9	64.4			
10:10	65.3	61.7	64.0	65.9	61.9	64.3
10:15	66.2	61.7	64.4			
10:20	66.0	61.8	64.4			
10:25	66.0	62.2	64.4			
10:30	65.3	62.1	64.2			
10:35	66.5	62.5	65.0			
10:40	65.5	61.9	64.2	65.8	62.1	64.5
10:45	65.8	62.0	64.4			
10:50	65.8	62.0	64.5			
10:55	66.0	62.1	64.4			
11:00	66.0	62.2	64.6			
11:05	66.3	62.3	64.6			
11:10	66.1	62.1	64.6	66.1	62.2	64.6
11:15	66.1	62.0	64.5			
11:20	66.0	62.3	64.5			
11:25	65.8	62.3	64.5			
11:30	66.2	62.4	64.7			
11:35	66.0	62.4	64.6			
11:40	66.2	62.4	64.6	66.0	62.5	64.7
11:45	65.4	62.3	64.4			
11:50	66.0	62.5	64.7			
11:55	66.2	62.8	65.0			
12:00	66.0	62.6	64.6			
12:05	66.5	62.7	64.9			
12:10	66.1	63.0	64.8	66.2	62.8	64.8
12:15	66.0	62.6	64.7			
12:20	66.0	63.1	65.0			
12:25	66.5	62.9	65.0			
12:30	66.3	62.6	65.0			
12:35	66.1	62.9	64.8			
12:40	66.0	62.9	64.7	66.1	62.8	64.8
12:45	65.6	62.9	64.6			
12:50	66.4	63.1	65.1			
12:55	66.1	62.6	64.7			

XRL Baseline Monitoring - Noise Monitoring Results
Location: Star Tower, The Arch
Monitoring Station ID: CN 33
Monitoring period: 14/12/2009 - 10/1/2010
Note: 1) For measurement on weekdays, only Leq(30min), L10(30min) and L90 (30min) are available
2) The data below is time-slot averaged. Log average was used.

Measurement on General Holidays (including Sundays)

Time	L10	L90	Leq	L10 (Average)	L90 (Average)	Leq (30min)
13:00	67.0	63.1	65.6			
13:05	66.4	62.8	65.0			
13:10	66.1	62.7	64.9	66.3	62.8	64.9
13:15	66.0	62.5	64.6			
13:20	65.8	62.7	64.5			
13:25	66.4	62.9	64.9			
13:30	66.7	62.5	64.8			
13:35	66.4	63.0	65.0			
13:40	66.6	63.0	65.2	66.2	62.8	64.9
13:45	65.6	62.2	64.3			
13:50	65.7	63.1	64.7			
13:55	66.4	62.9	65.2			
14:00	65.9	62.4	64.5			
14:05	66.5	62.8	65.1			
14:10	66.0	62.8	64.7	66.1	62.8	65.0
14:15	65.9	62.7	64.8			
14:20	65.9	62.8	65.7			
14:25	66.4	63.3	65.1			
14:30	66.5	63.1	65.0			
14:35	65.9	62.9	64.8			
14:40	66.6	62.8	65.3	66.2	62.7	64.9
14:45	65.9	62.6	64.7			
14:50	66.0	62.7	64.8			
14:55	66.0	62.3	64.9			
15:00	66.3	63.1	64.9			
15:05	66.3	63.3	65.1			
15:10	66.4	62.9	64.9	66.2	63.0	65.0
15:15	66.5	63.0	65.3			
15:20	65.6	62.6	64.6			
15:25	66.2	62.9	65.0			
15:30	65.9	62.7	64.8			
15:35	66.1	63.3	65.0			
15:40	67.8	63.4	66.2	66.4	63.2	65.2
15:45	66.3	63.3	65.0			
15:50	65.8	62.9	64.8			
15:55	66.3	63.3	65.0			
16:00	68.1	63.1	67.6			
16:05	66.1	63.0	65.0			
16:10	65.9	63.0	64.7	66.4	62.9	65.5
16:15	65.8	62.8	64.7			
16:20	66.0	62.5	64.7			
16:25	66.4	63.1	65.3			
16:30	65.9	62.9	64.9			
16:35	66.3	62.8	64.7			
16:40	66.5	63.1	65.1	66.3	63.0	65.0
16:45	66.5	63.0	65.2			
16:50	66.5	63.4	65.3			
16:55	66.2	62.8	64.7			
17:00	66.3	63.1	65.2			
17:05	66.4	63.1	65.2			
17:10	66.3	62.9	64.9	66.4	63.2	65.2
17:15	66.0	63.3	65.1			
17:20	67.0	63.4	65.6			
17:25	66.5	63.3	65.2			
17:30	66.3	63.3	65.3			
17:35	66.2	63.5	65.2			
17:40	66.4	62.8	64.8	66.1	63.2	64.9
17:45	66.2	63.3	64.9			
17:50	65.8	63.1	64.7			
17:55	65.7	63.3	64.7			
18:00	66.5	63.0	65.1			
18:05	66.4	63.2	65.2			
18:10	65.9	63.3	65.0	66.1	63.0	64.9
18:15	66.5	63.0	65.2			
18:20	65.7	62.8	64.5			
18:25	65.7	62.8	64.4			
18:30	65.3	62.4	64.2			
18:35	65.3	62.9	64.3			
18:40	65.7	62.6	64.4	65.7	62.7	64.5
18:45	65.9	62.9	64.6			
18:50	66.0	62.8	64.8			
18:55	65.7	62.8	64.4			

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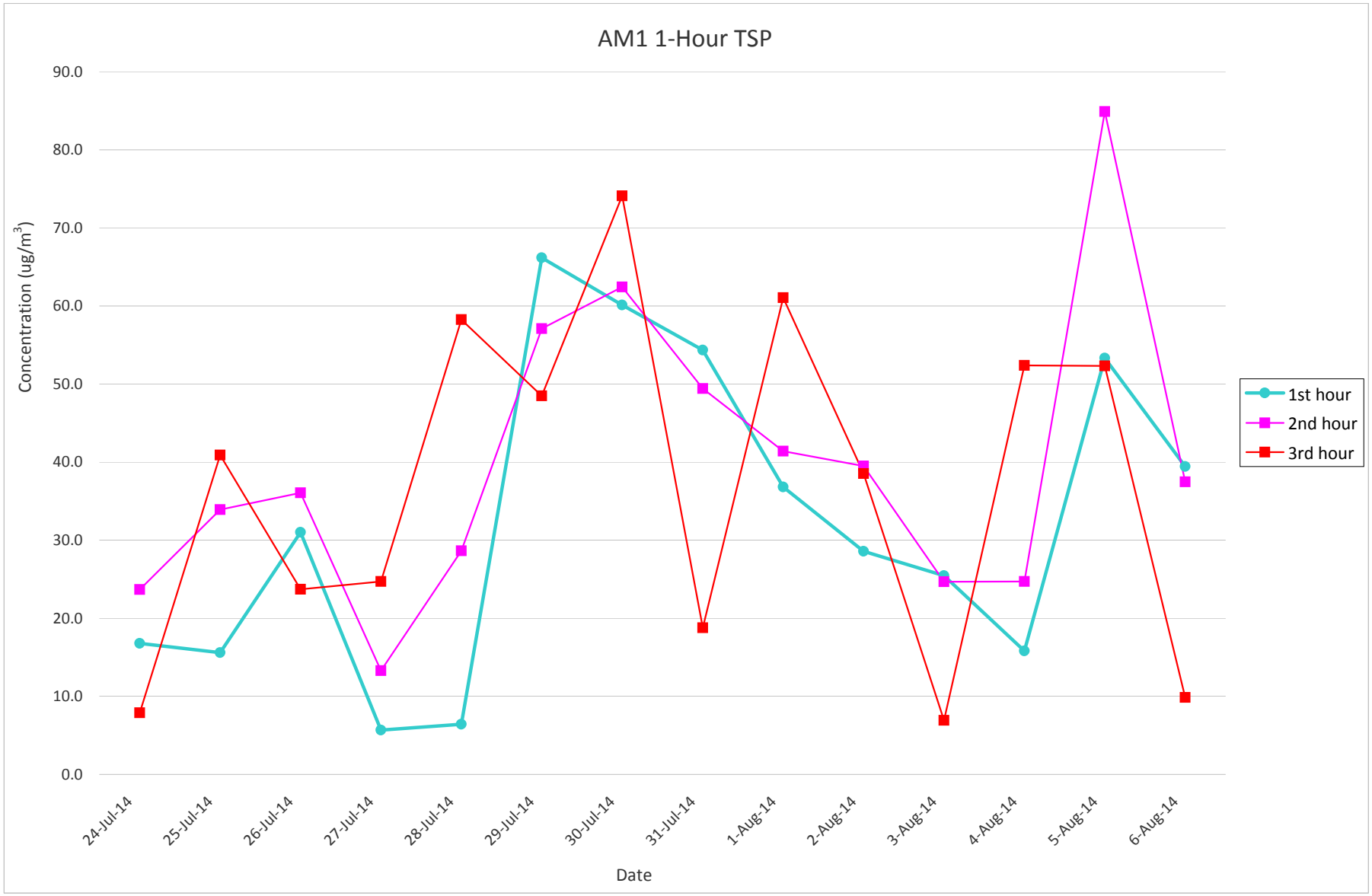
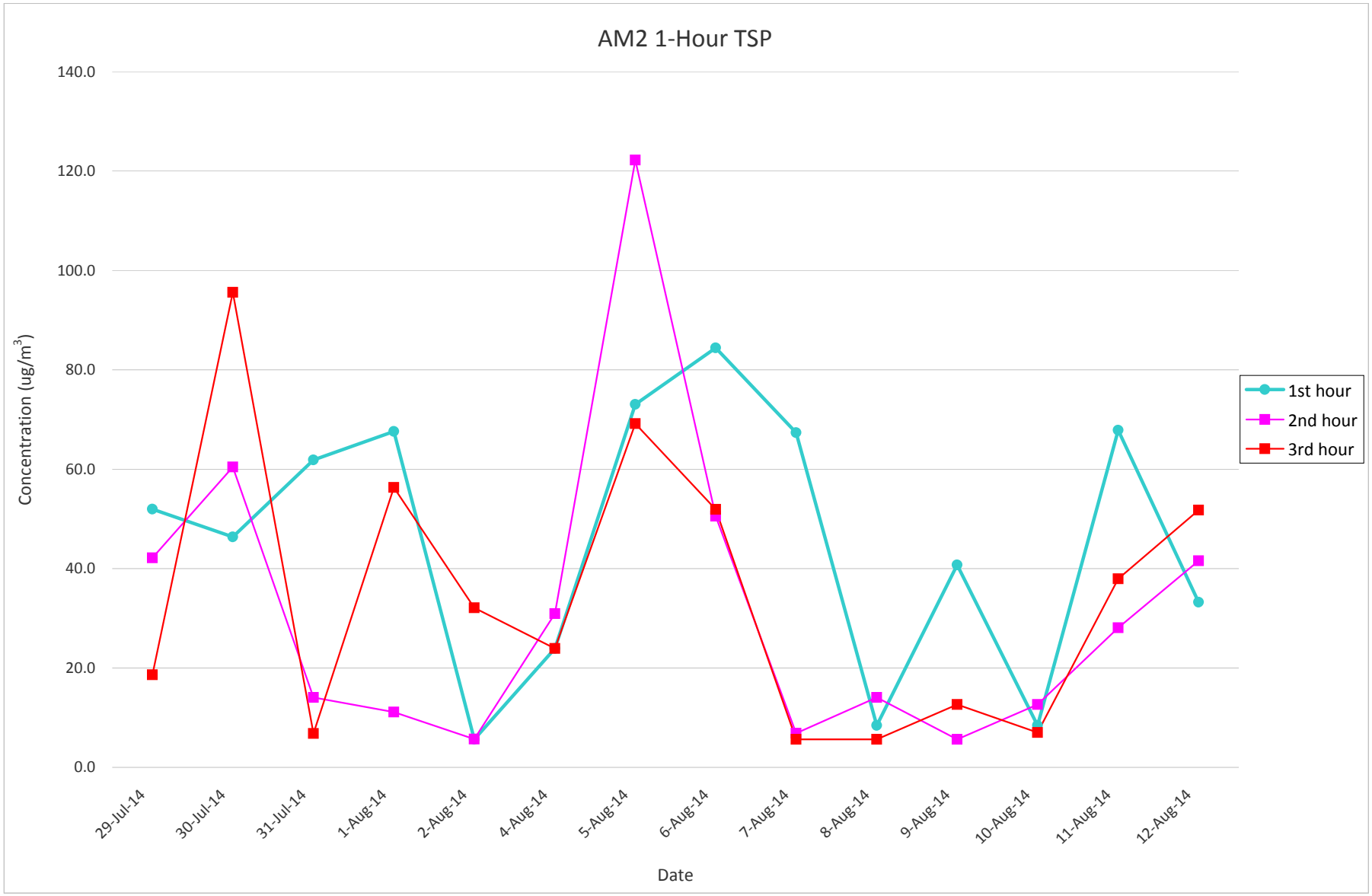
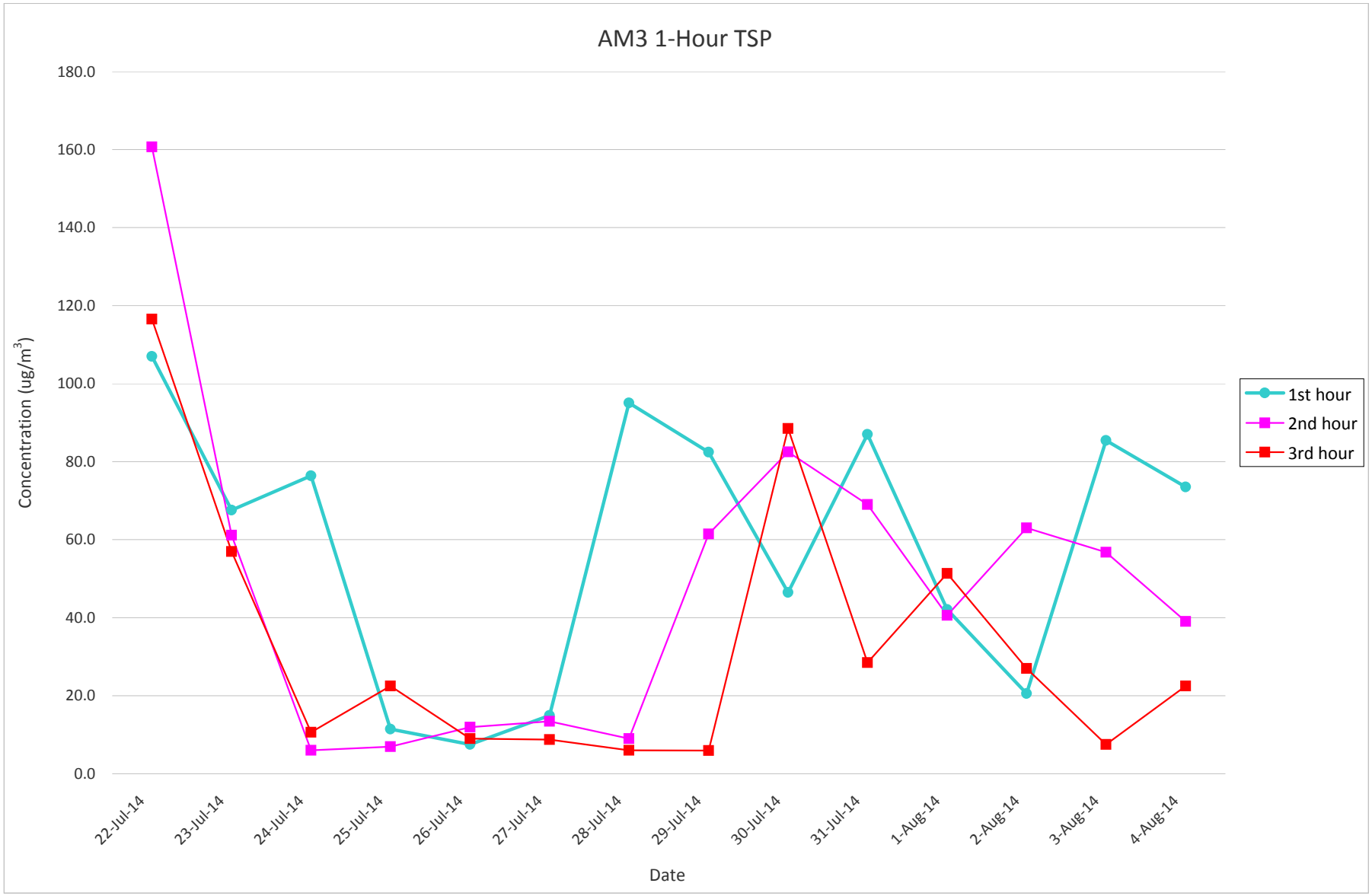
Report No.: 0125/14/ED/0056G

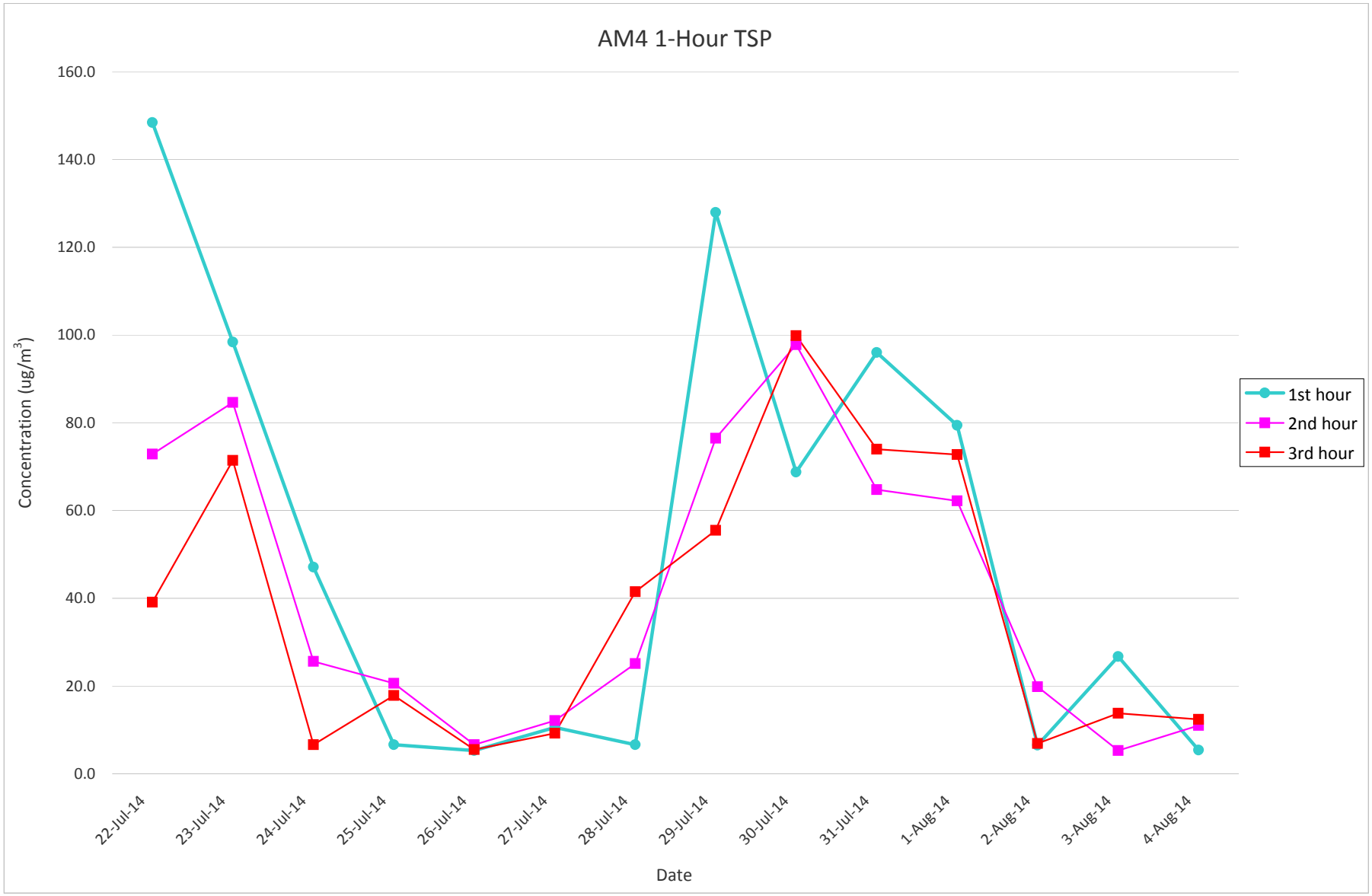
Appendix C

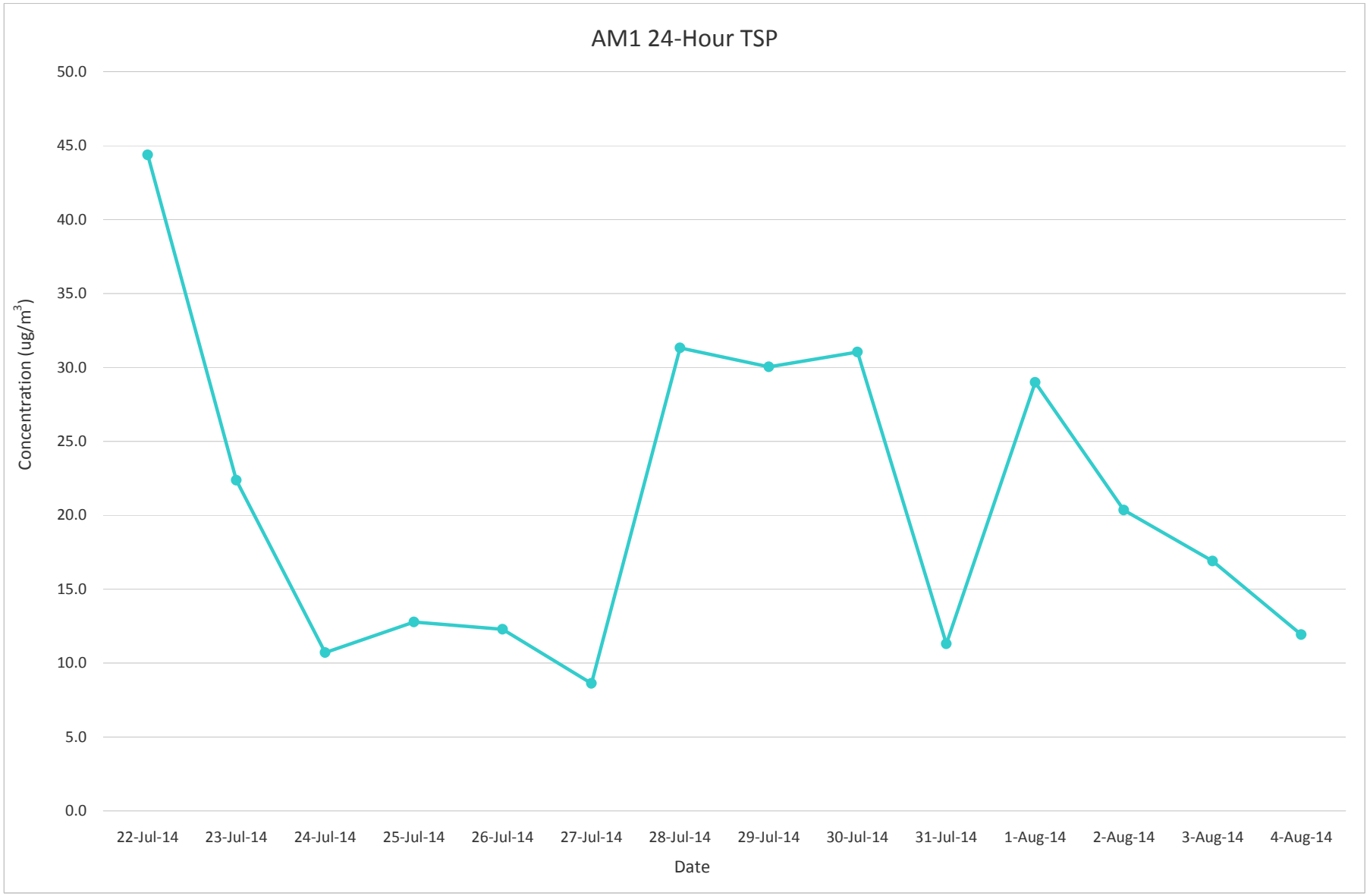
Graphical Plots of Baseline Environmental Monitoring Data

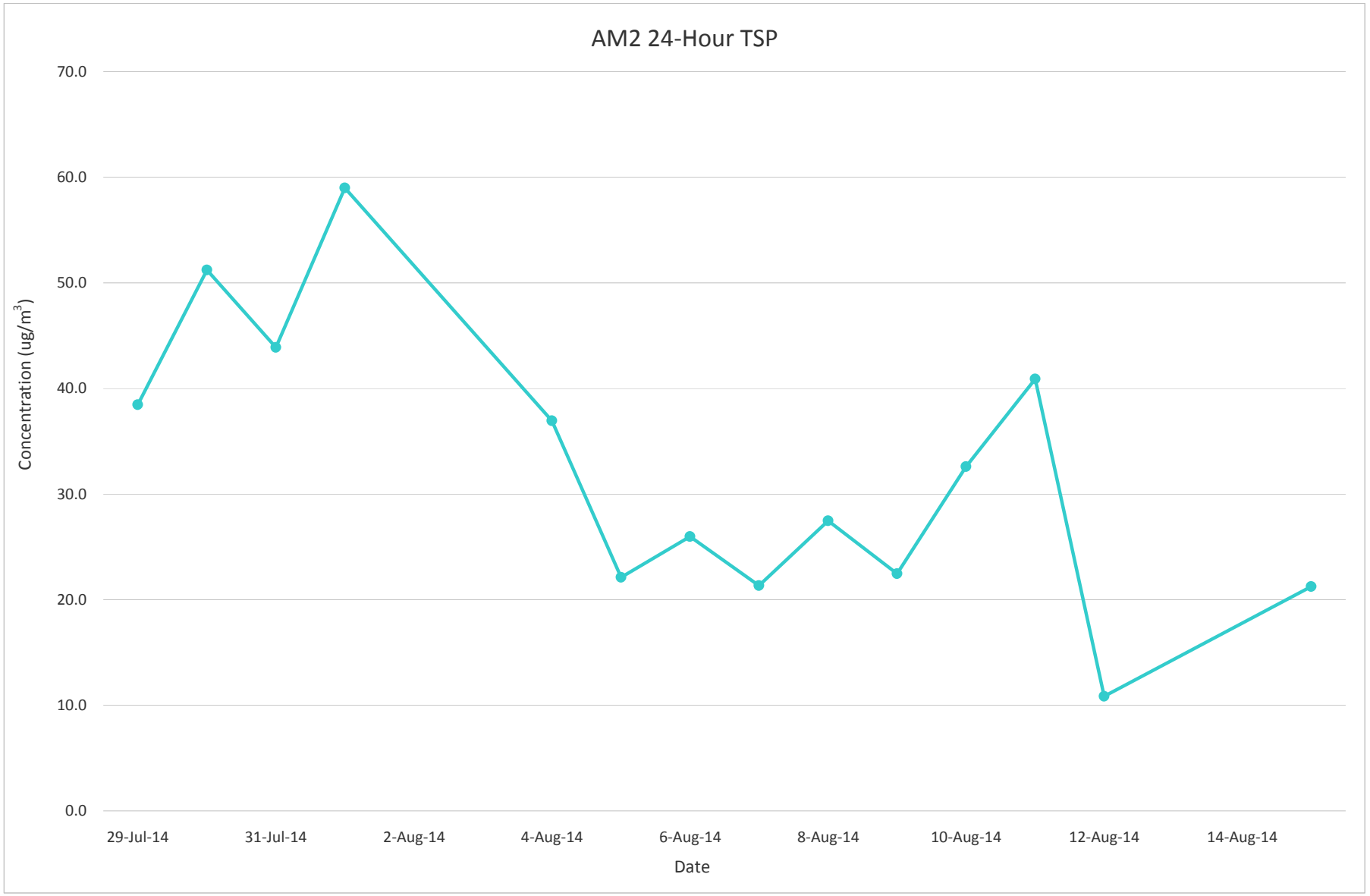

AM1 1-Hour TSP
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/m3)
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
5-Aug-14
6-Aug-14
Date
1st hour
2nd hour
3rd hour

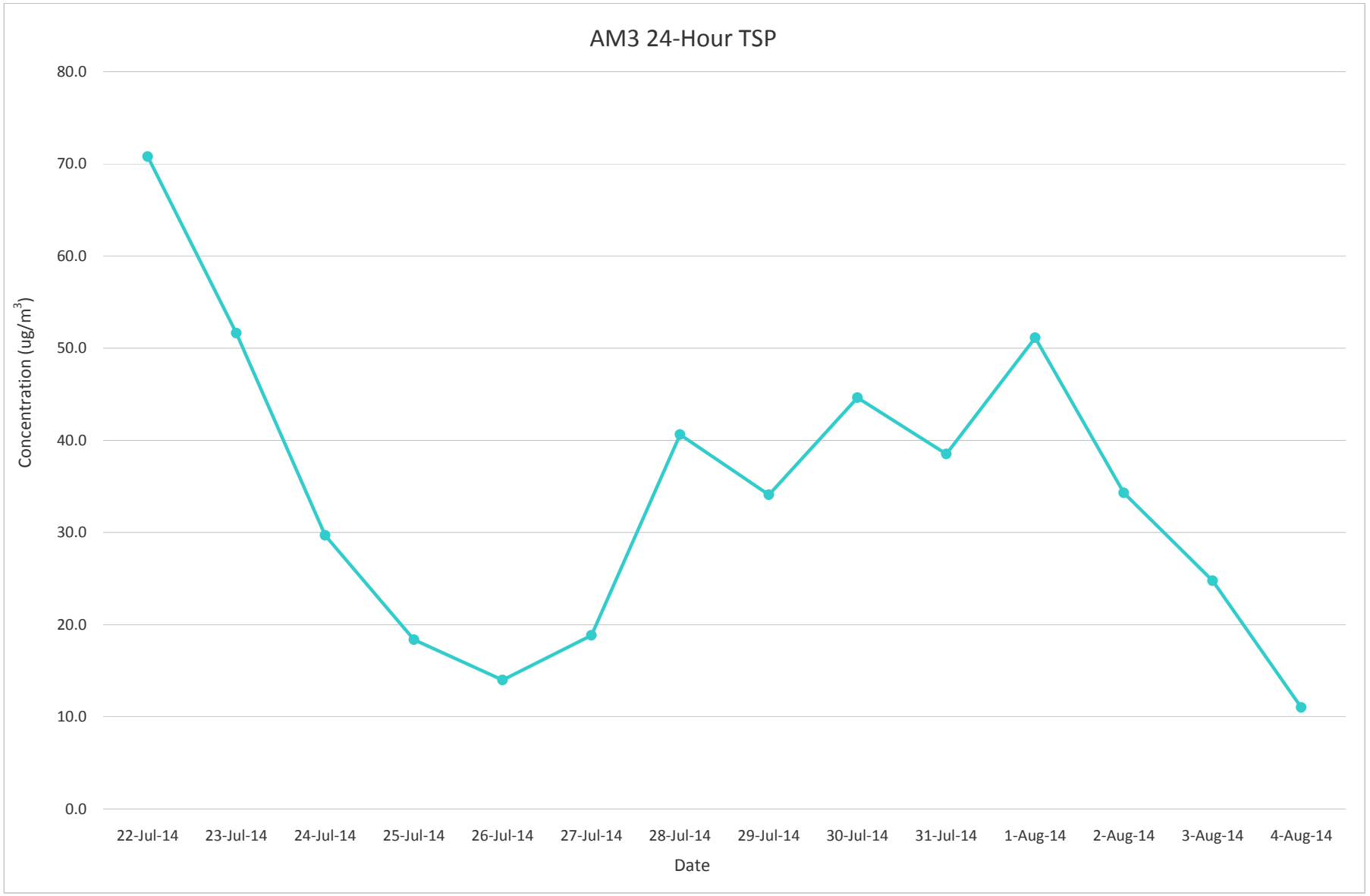

AM2 1-Hour TSP
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Concentration (ug/m3)
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
4-Aug-14
5-Aug-14
6-Aug-14
7-Aug-14
8-Aug-14
9-Aug-14
10-Aug-14
11-Aug-14
12-Aug-14
Date
1st hour
2nd hour
3rd hour

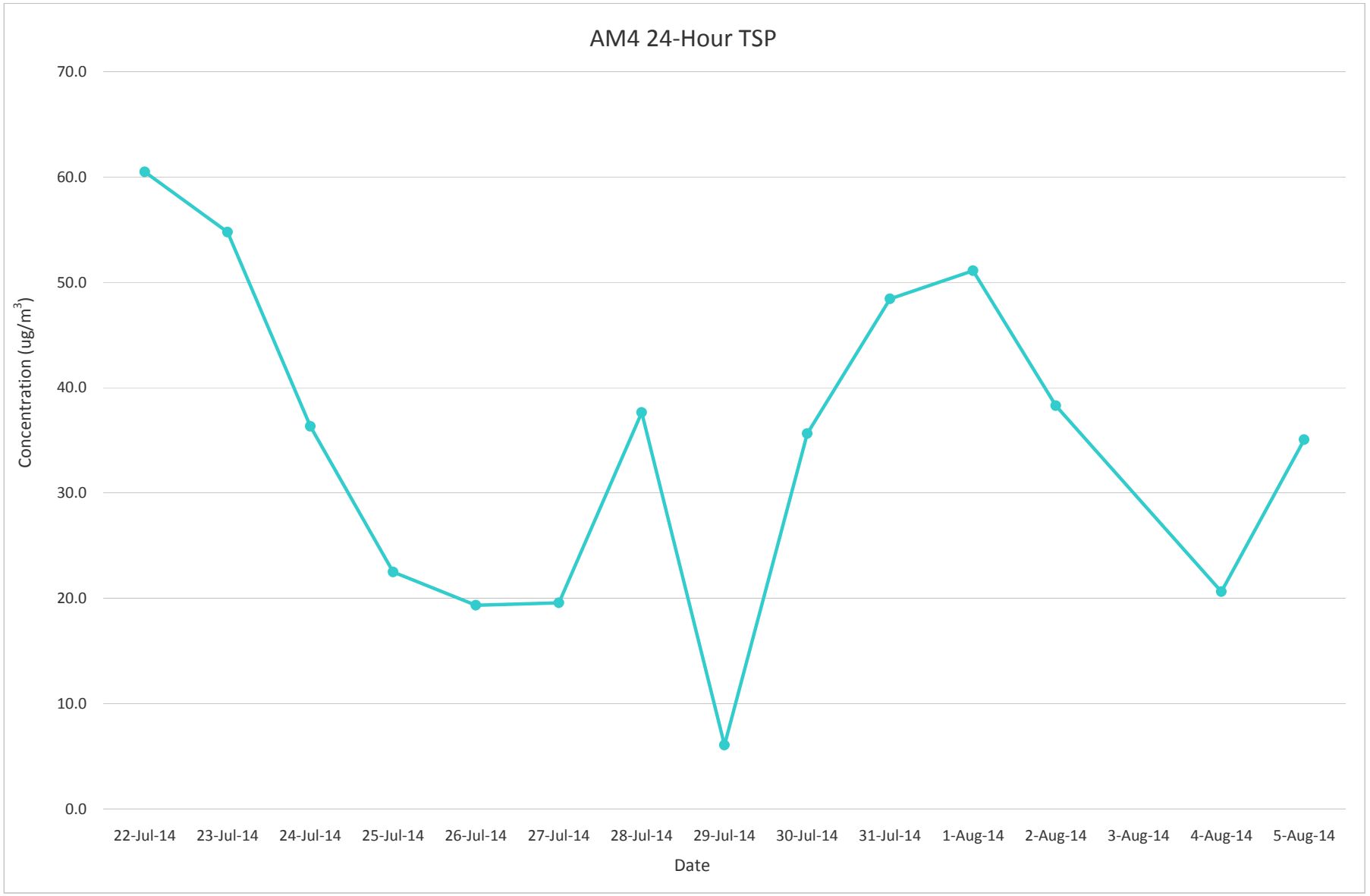

AM3 1-Hour TSP
180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Concentration (ug/m3)
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
Date
1st hour
2nd hour
3rd hour

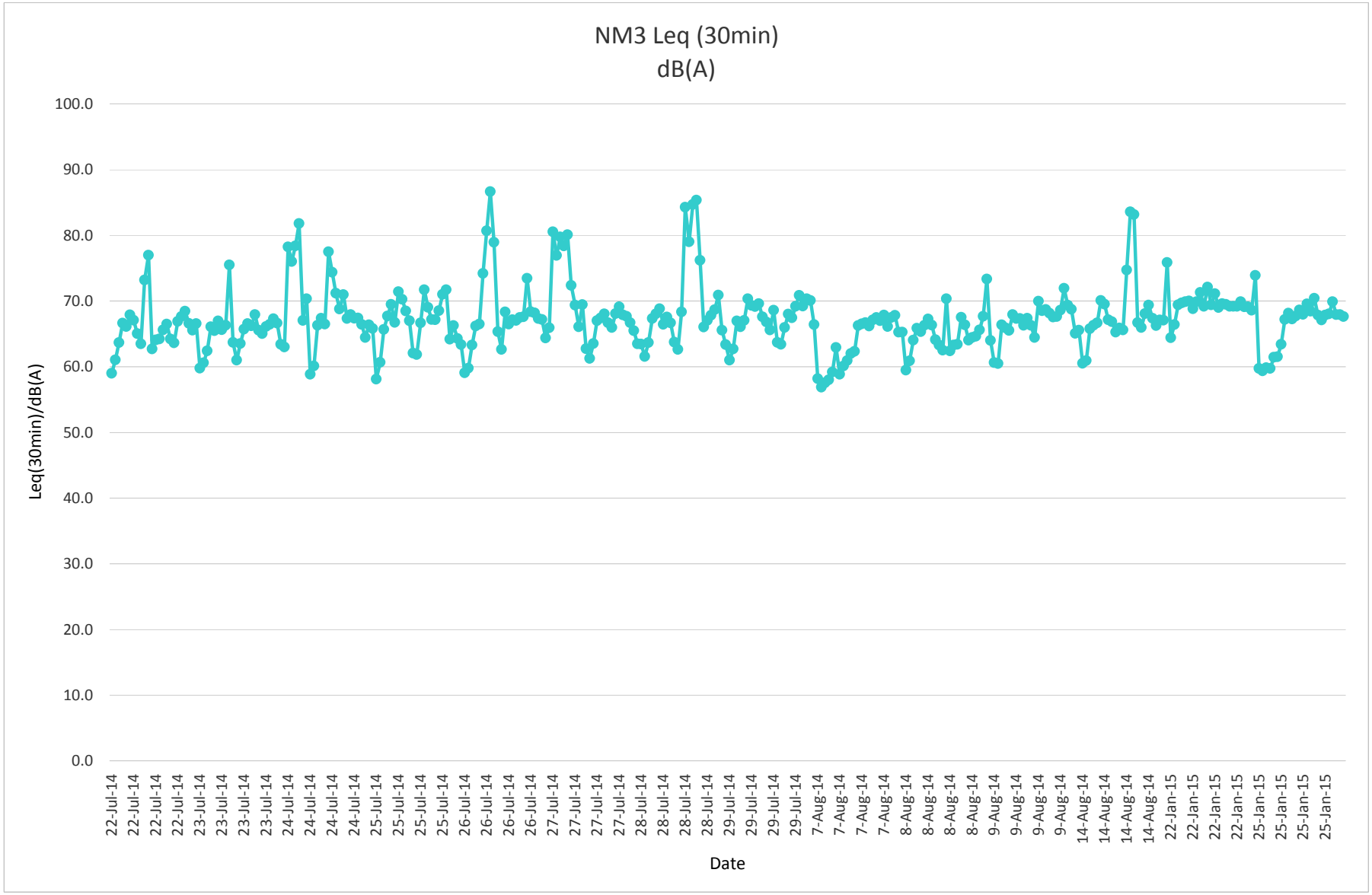

AM4 1-Hour TSP
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Concentration (ug/m3)
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
Date
1st hour
2nd hour
3rd hour

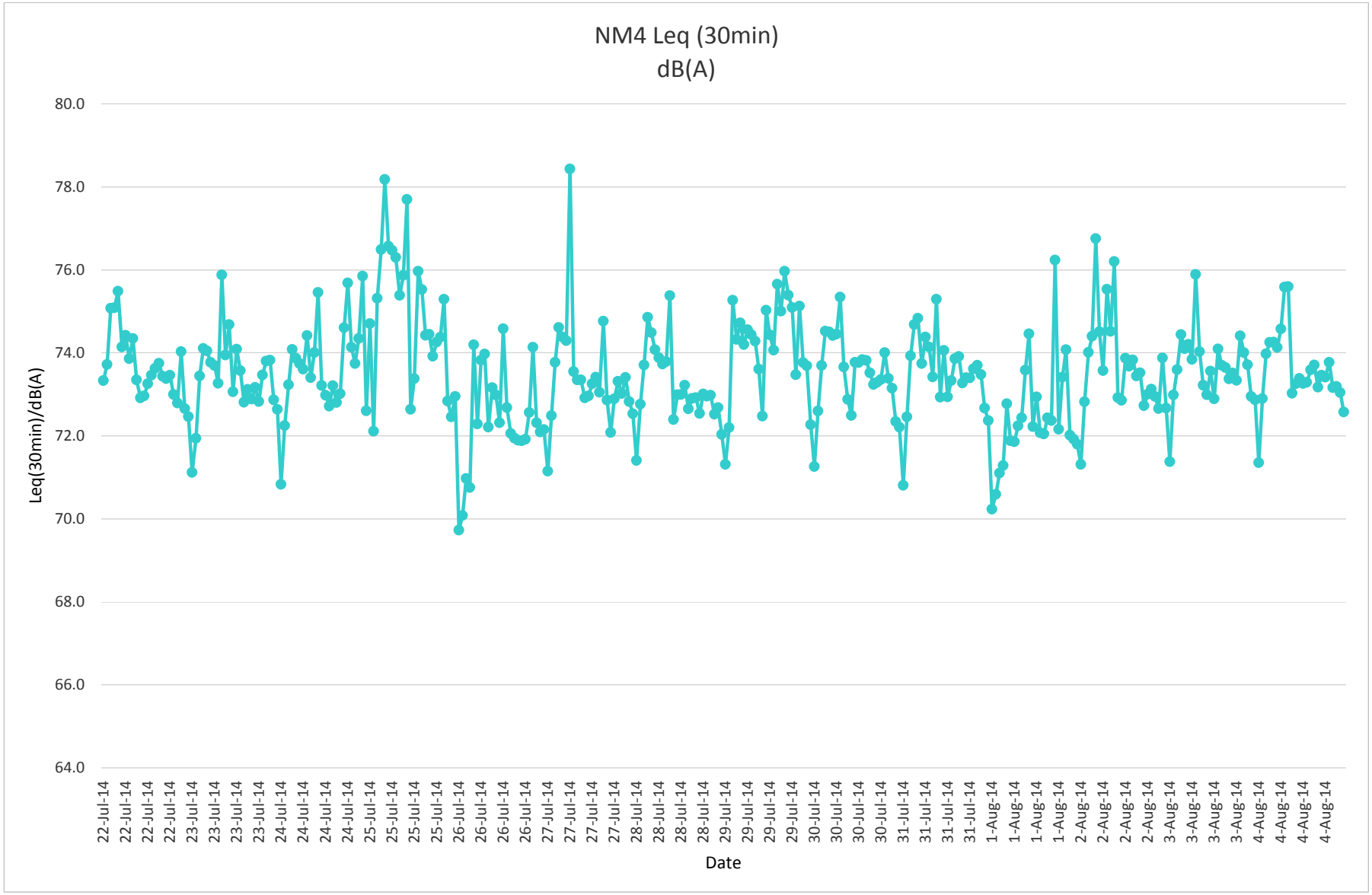

AM1 24-Hour TSP
Concentration (ug/m3)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
Date

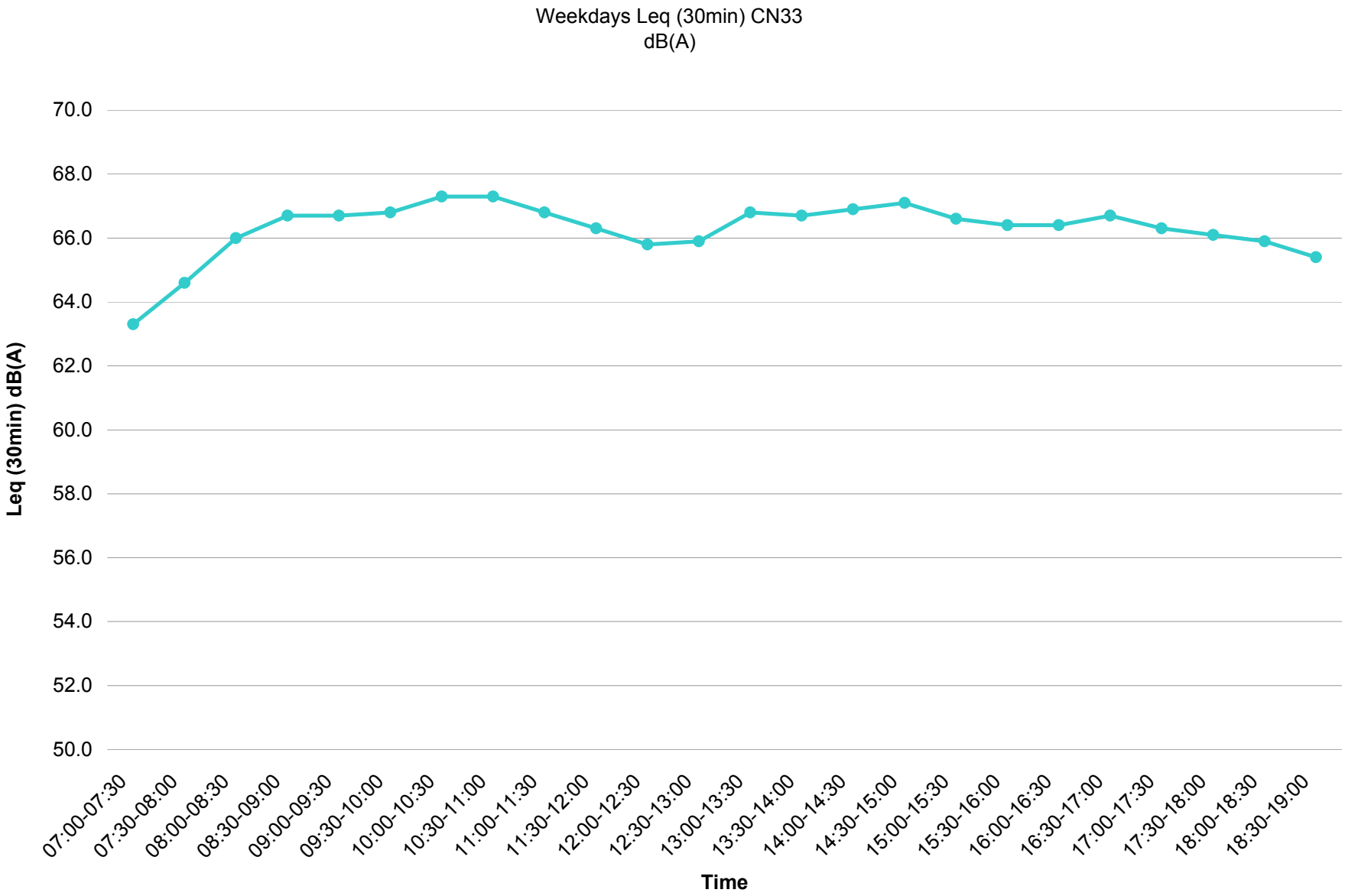

AM2 24-Hour TSP
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/m3)
29-Jul-14
31-Jul-14
2-Aug-14
4-Aug-14
6-Aug-14
8-Aug-14
10-Aug-14
12-Aug-14
14-Aug-14
Date


AM3 24-Hour TSP
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/m3)
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
Date


AM4 24-Hour TSP
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Concentration (ug/m3)
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
5-Aug-14
Date


NM3 Leq (30min)
dB(A)
Leq(30min)/dB(A)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
22-Jul-14
22-Jul-14
22-Jul-14
22-Jul-14
23-Jul-14
23-Jul-14
23-Jul-14
23-Jul-14
24-Jul-14
24-Jul-14
24-Jul-14
24-Jul-14
25-Jul-14
25-Jul-14
25-Jul-14
25-Jul-14
26-Jul-14
26-Jul-14
26-Jul-14
26-Jul-14
27-Jul-14
27-Jul-14
27-Jul-14
27-Jul-14
28-Jul-14
28-Jul-14
28-Jul-14
28-Jul-14
29-Jul-14
29-Jul-14
29-Jul-14
29-Jul-14
7-Aug-14
7-Aug-14
7-Aug-14
7-Aug-14
8-Aug-14
8-Aug-14
8-Aug-14
8-Aug-14
9-Aug-14
9-Aug-14
9-Aug-14
9-Aug-14
14-Aug-14
14-Aug-14
14-Aug-14
14-Aug-14
22-Jan-15
22-Jan-15
22-Jan-15
22-Jan-15
25-Jan-15
25-Jan-15
25-Jan-15
25-Jan-15
Date


NM4 Leq (30min)
dB(A)
Leq(30min)/dB(A)
80.0
78.0
76.0
74.0
72.0
70.0
68.0
66.0
64.0
22-Jul-14
23-Jul-14
24-Jul-14
25-Jul-14
26-Jul-14
27-Jul-14
28-Jul-14
29-Jul-14
30-Jul-14
31-Jul-14
1-Aug-14
2-Aug-14
3-Aug-14
4-Aug-14
Date


Weekdays Leq (30min) CN33
dB(A)
70.0
68.0
66.0
64.0
62.0
60.0
58.0
56.0
54.0
52.0
50.0
Leq (30min) dB(A)
07:00-07:30
07:30-08:00
08:00-08:30
08:30-09:00
09:00-09:30
09:30-10:00
10:00-10:30
10:30-11:00
11:00-11:30
11:30-12:00
12:00-12:30
12:30-13:00
13:00-13:30
13:30-14:00
14:00-14:30
14:30-15:00
15:00-15:30
15:30-16:00
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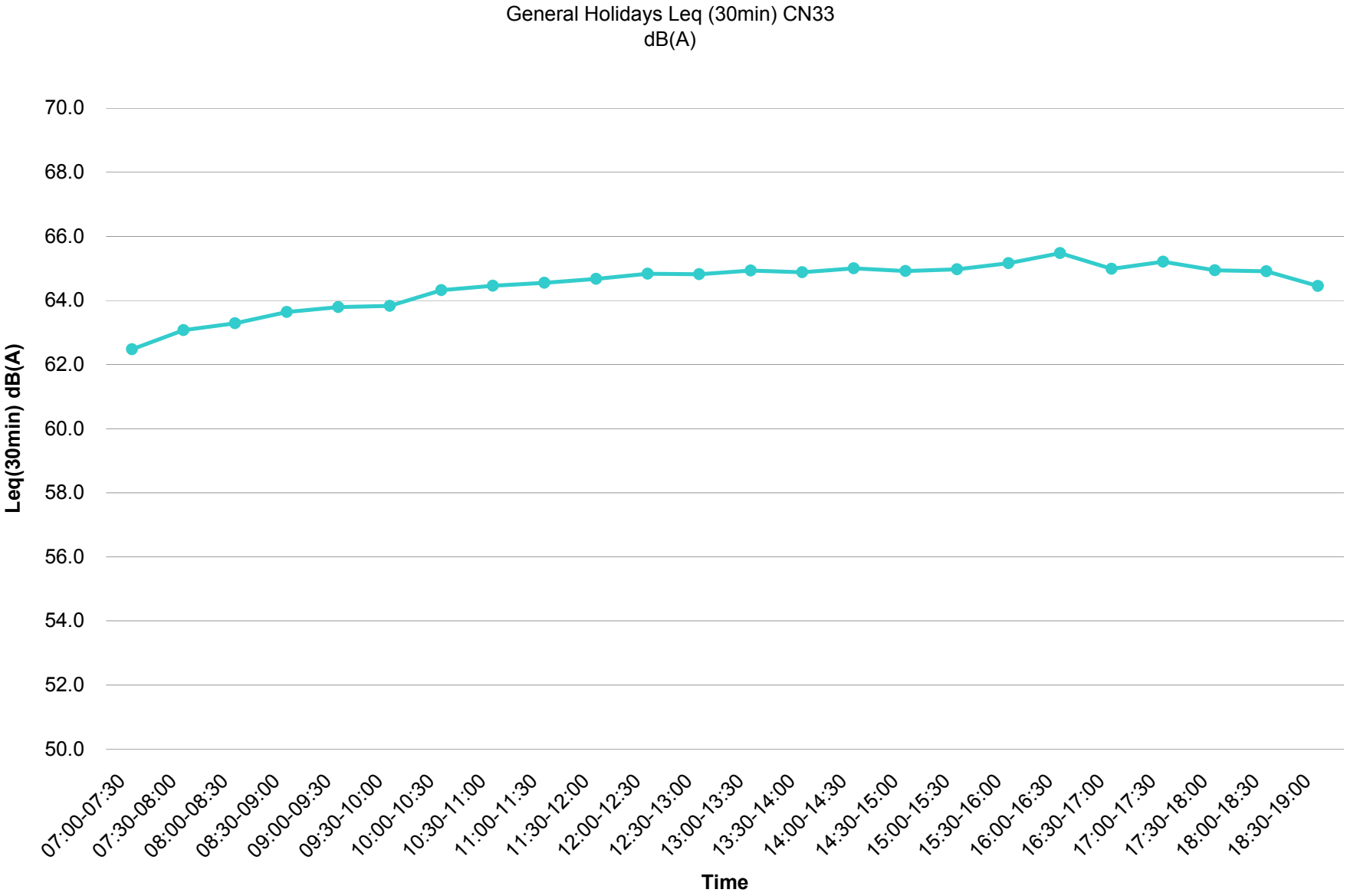
16:30-17:00
17:00-17:30
17:30-18:00
18:00-18:30
18:30-19:00
Time


General Holidays Leq (30min) CN33
dB(A)
70.0
68.0
66.0
64.0
62.0
60.0
58.0
56.0
54.0
52.0
50.0
Leq(30min) dB(A)
07:00-07:30
07:30-08:00
08:00-08:30
08:30-09:00
09:00-09:30
09:30-10:00
10:00-10:30
10:30-11:00
11:00-11:30
11:30-12:00
12:00-12:30
12:30-13:00
13:00-13:30
13:30-14:00
14:00-14:30
14:30-15:00
15:00-15:30
15:30-16:00
16:00-16:30
16:30-17:00
17:00-17:30
17:30-18:00
18:00-18:30
18:30-19:00
Time

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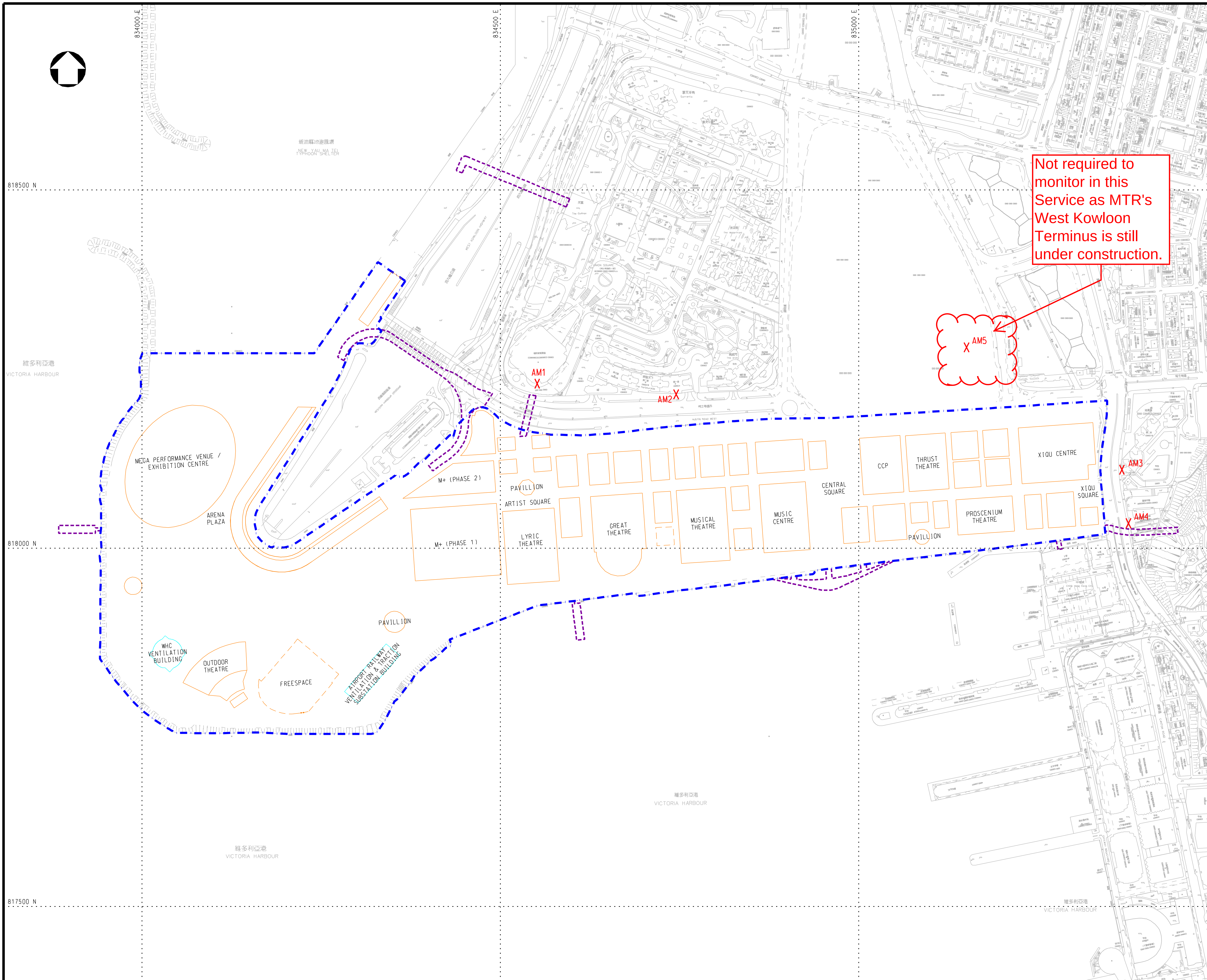
Appendix D

Locations of the Baseline Monitoring Stations



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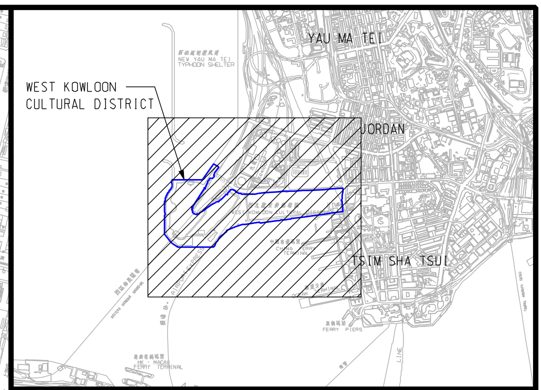

KEY PLAN

LEGEND:

- PROJECT BOUNDARY
- EXTERNAL CONNECTIONS (INDICATIVE SUBJECT TO FUTURE DESIGN & ARRANGEMENT)
- PROPOSED FOOTPRINT BOUNDARY
- EXISTING FACILITIES
- X AM1 CONSTRUCTION AIR MONITORING STATIONS

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	JUN 13	MING	GENERAL REVISION	AM	AFK
P3	MAY 13	MING	GENERAL REVISION	EY	AFK
P2	MAR 13	MING	GENERAL REVISION	AM	AFK
P1	AUG 12	MING	FIRST ISSUE	AM	AFK

Client

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F +852 2827 1823
W www.mottmac.com.hk

Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

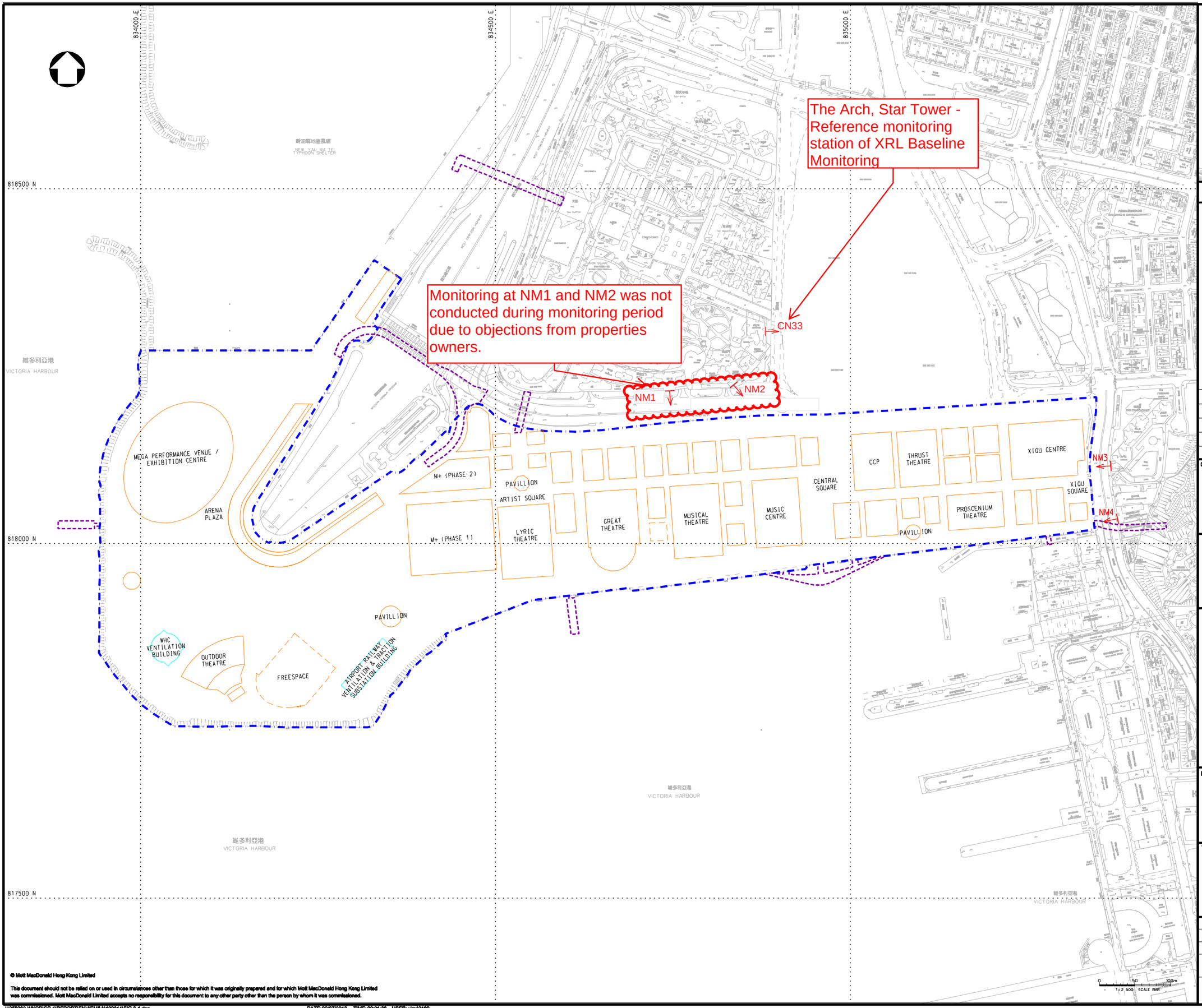
Title

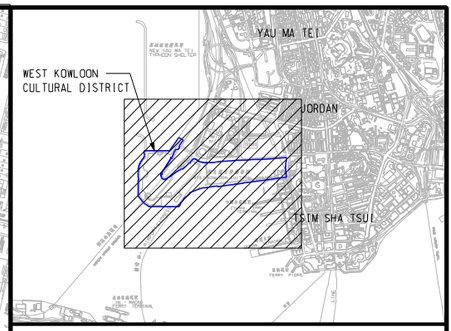
PROPOSED LOCATIONS OF CONSTRUCTION AIR MONITORING STATIONS

Designed	HC	Eng check	ST
Drawn	MING	Coordination	EC
Dwg check	HC	Approved	AFK
Scale at A1 1:2500	Status PRE	Rev P4	

Drawing Number

FIGURE 2.1





KEY PLAN

LEGEND:

- PROJECT BOUNDARY
- EXTERNAL CONNECTIONS (INDICATIVE SUBJECT TO FUTURE DESIGN & ARRANGEMENT)
- PROPOSED FOOTPRINT BOUNDARY
- EXISTING FACILITIES
- NM1 CONSTRUCTION NOISE MONITORING STATIONS

Rev	Date	Drawn	Description	Ch'k'd	App'd
P4	JUN 13	MING	GENERAL REVISION	AM	AFK
P3	MAY 13	MING	GENERAL REVISION	EY	AFK
P2	MAR 13	MING	GENERAL REVISION	AM	AFK
P1	AUG 12	MING	FIRST ISSUE	AM	AFK

Client

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ARTEC · IMG Artists · Lord Cultural Resources · TFP FARRELLS · GHK · creative thinking positive solutions · wong&ouyang (holdings) limited · MVA · DONNELL · LD ASIA · BMT

Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

PROPOSED LOCATIONS OF CONSTRUCTION NOISE MONITORING STATIONS

Designed	SC		Eng check	ST	
Drawn	MING		Coordination	EC	
Dwg check	SC		Approved	AFK	
Scale at A1 1:2500		Status PRE		Rev P4	

Drawing Number

FIGURE 3.1

MATERIALAB CONSULTANTS LIMITED
Fugro Development Centre,
5 Lok Yi Street,
17 M.S. Castle Peak Road,
Tai Lam, Tuen Mun, N.T., Hong Kong.
Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Appendix E

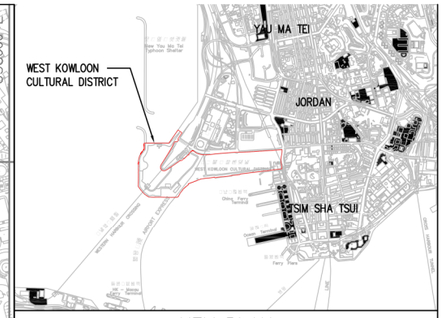
Baseline Study of Landscape and Visual Impact

833500 E
834000 E
834500 E
835000 E
835500 E
836000 E
819000 N
818500 N
818000 N
817500 N

LR2.26
LR2.28
LR2.32
LR2.33
LR2.34
LR2.31
LR2.30
LR2.35
LR1.7
LR3.1
LR2.22
LR1.12
LR2.20
LR2.24
LR2.21
LR2.18
LR2.23
LR2.19
LR1.14
LR1.13
LR1.11
LR1.10
LR2.25
LR1.9
LR2.17
LR2.13
LR2.16
LR1.8
LR1.15
LR2.27
LR2.15
LR2.14
LR2.12
LR2.11
LR2.3
LR2.29
LR4.3
LR2.10
LR4.2
LR2.38
LR2.36
LR2.9
LR2.2
LR1.6
LR2.1
LR2.8
LR1.1
LR4.4
LR2.7
LR4.1
LR1.4
LR1.5
LR2.6
LR1.2
LR2.37
LR2.4
LR2.5
LR1.3

Figure 10.1d BLOW-UP
Figure 10.1c BLOW-UP
Figure 10.1b BLOW-UP
Figure 10.1a BLOW-UP

0 100 200 m
1: 4 000 SCALE BAR



KEY PLAN

LEGEND

- LR1 : OPEN SPACE
  - RECREATION GROUND WITHIN LR1
- LR2 : AMENITY PLANTING
  - GROUPING OF PLANTING AREA WITHIN LR2
- LR3 : WATERBODY
- LR4 : CULTURAL AND HISTORICAL FEATURE
- OLD AND VALUABLE TREE
- SITE BOUNDARY
- ASSESSMENT AREA

Rev	Date	Drawn	Description	Ch'k'd	App'd

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES WITHIN THE ASSESSMENT AREA (REFERENCE PLAN)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 1:4000		Status		Rev	

Drawing Number

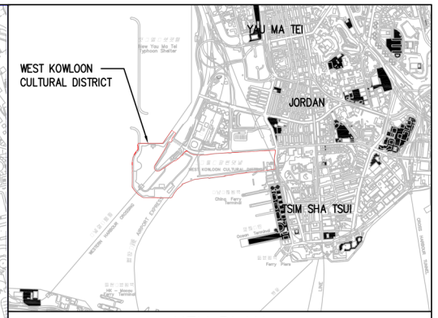
Figure 1.1

833500 E
834000 E
834500 E
835000 E
835500 E
836000 E
819000 N
818500 N
818000 N
817500 N

LCA04
LCA07
LCA08
LCA09
LCA10
LCA12
LCA02
LCA05
LCA01
LCA03
LCA06
LCA14
LCA13
LCA11

VC19 VC20 VC18 VC26 VC25
VC17A VC16 VC15 VC09 VC17 VC10
VC05 VC01 VC21 VC12 VC08 VC02 VC07 VC06 VC13 VC14
VC27 VC24 VC23 VC30 VC29 VC03 VC04 VC22 VC28 VC21

0 100 200 m
1 : 4 000 SCALE BAR



KEY PLAN

LEGEND

LCA01	West Kowloon Cultural District Landscape Character Area	LCA08	Western Harbour Crossing Toll Gate Landscape
LCA02	West Kowloon Cultural District Construction Area	LCA09	Tsim Sha Tsui Late 20C/Early 21C Commercial/Residential Complex Landscape
LCA03	West Kowloon Cultural District Temporary Waterfront Promenade	LCA10	Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) Terminus Construction Site & Austin Station
LCA04	New Yau Ma Tei Typhoon Shelter Landscape	LCA11	Kowloon Park Urban Landscape
LCA05	Victoria Harbour Inshore Water Landscape	LCA12	Jordan Mixed Urban Landscape
LCA06	Victoria Harbour Strait Landscape	LCA13	Tsim Sha Tsui Organic Mixed Urban Development Landscape
LCA07	New Yau Ma Tei Container Terminal Landscape	LCA14	Tsim Sha Tsui Commercial/Retail Complex Landscape

SITE BOUNDARY
ASSESSMENT AREA

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project
BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title
BASELINE LANDSCAPE CHARACTER AREA WITHIN THE ASSESSMENT AREA

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 1:4000		Status		Rev	

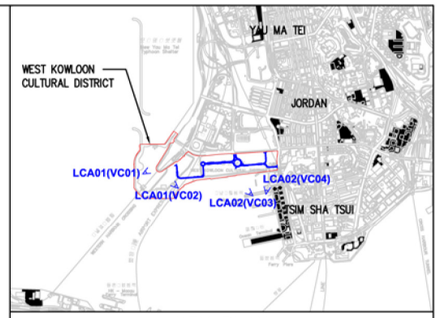
Drawing Number
Figure 1.22

VC01 (LCA01) West Kowloon Cultural District Landscape Character Area 5-8-2014

VC02 (LCA01) West Kowloon Cultural District Landscape Character Area 5-8-2014

VC03 (LCA02) West Kowloon Cultural District Construction Area 5-8-2014

VC04 (LCA02) West Kowloon Cultural District Construction Area 5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 1 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

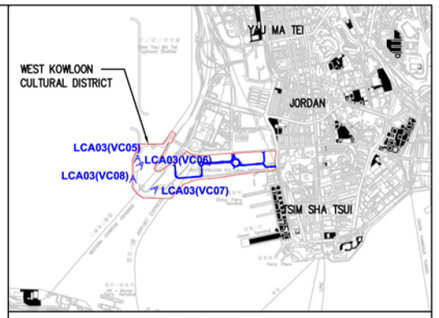
Drawing Number
Figure 1.23

VC05 (LCA03) West Kowloon Cultural District Temporary Waterfront Promenade 5-8-2014

VC06 (LCA03) West Kowloon Cultural District Temporary Waterfront Promenade 5-8-2014

VC07 (LCA03) West Kowloon Cultural District Temporary Waterfront Promenade 5-8-2014

VC08 (LCA03) West Kowloon Cultural District Temporary Waterfront Promenade 5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

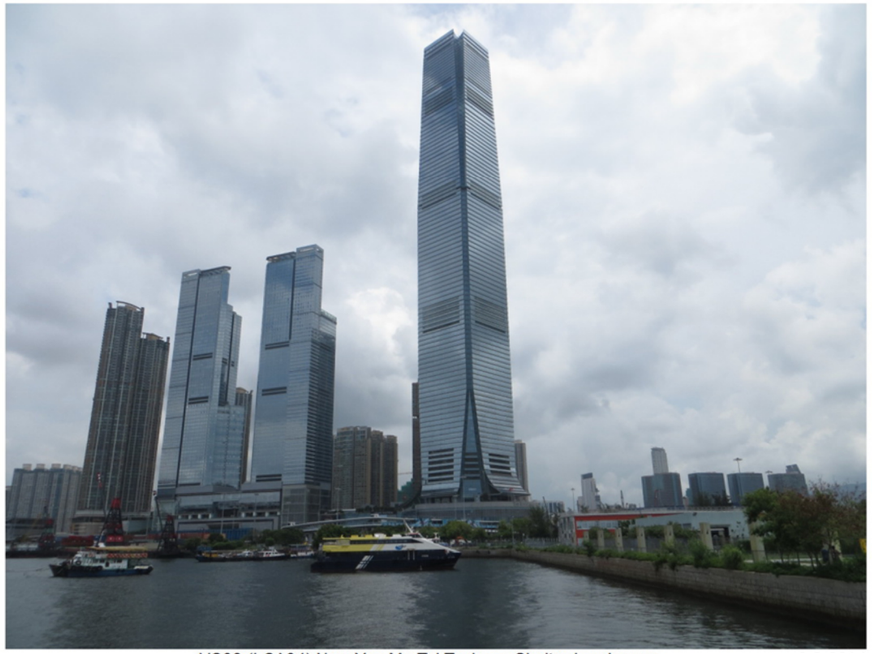
Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 2 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

Figure 1.24

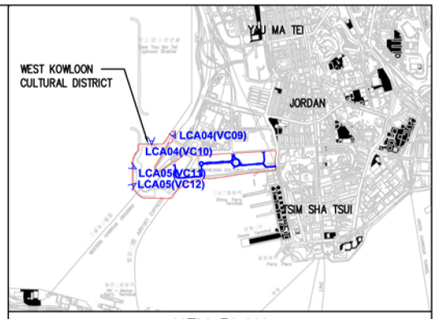


VC09 (LCA04) New Yau Ma Tei Typhoon Shelter Landscape 6-8-2014

VC10 (LCA04) New Yau Ma Tei Typhoon Shelter Landscape 6-8-2014

VC11 (LCA05) Victoria Harbour Inshore Water Landscape 5-8-2014

VC12 (LCA05) Victoria Harbour Inshore Water Landscape 5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 3 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

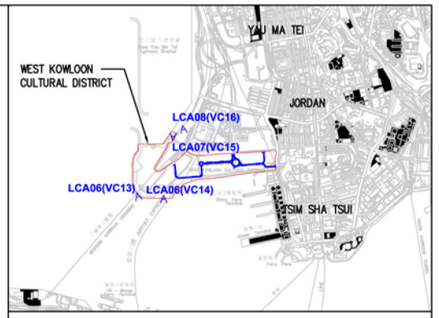
Figure 1.25

VC13 (LCA06) Victoria Harbour Strait Landscape 5-8-2014

VC14 (LCA06) Victoria Harbour Strait Landscape 5-8-2014

VC15 (LCA07) New Yau Ma Tei Container Terminal Landscape 5-8-2014

VC16 (LCA08) Western Harbour Crossing Toll Gate Landscape 5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 4 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

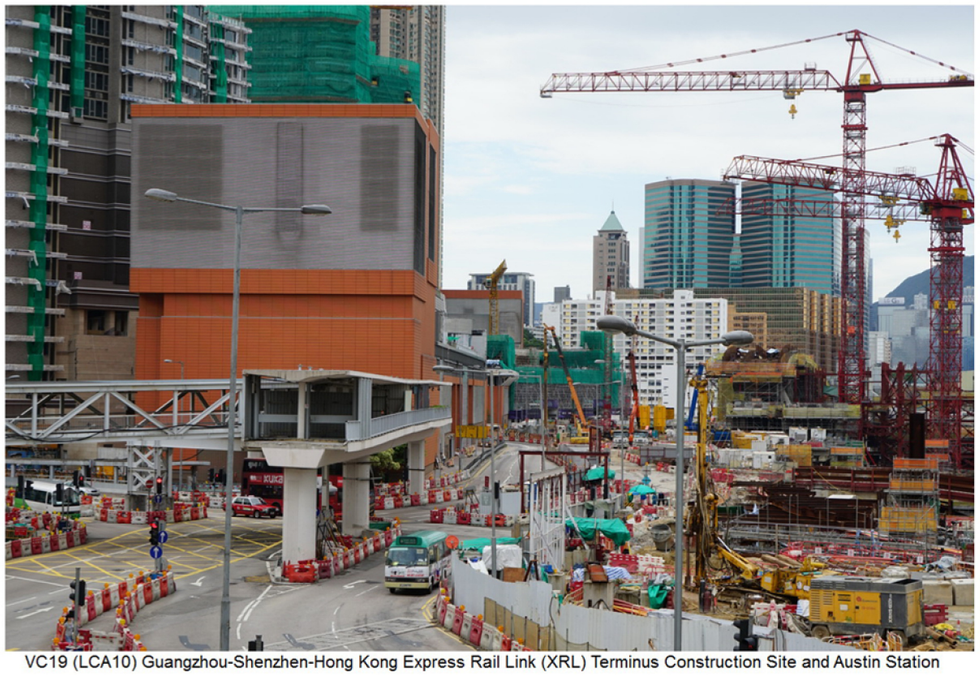
Drawing Number

Figure 1.26

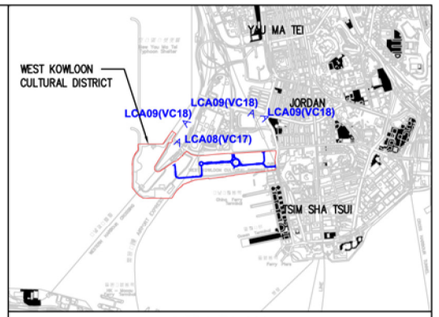
VC17 (LCA08) Western Harbour Crossing Toll Gate Landscape 5-8-2014

VC17A (LCA09) Tsim Sha Tsui Late 20C Early 21C Commercial Residential Complex Landscape 5-8-2014

VC18 (LCA09) Tsim Sha Tsui Late 20C Early 21C Commercial Residential Complex Landscape 5-8-2014



VC19 (LCA10) Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) Terminus Construction Site and Austin Station 5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 5 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

Figure 1.27

VC20 (LCA10) Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) Terminus Construction Site and Austin Station

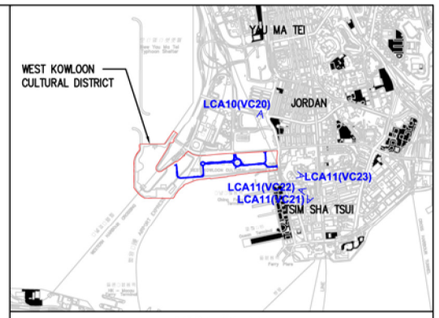
5-8-2014

VC21 (LCA11) Kowloon Park Urban Landscape

7-8-2014

VC22 (LCA11) Kowloon Park Urban Landscape 7-8-2014

VC23 (LCA11) Kowloon Park Urban Landscape 7-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 6 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

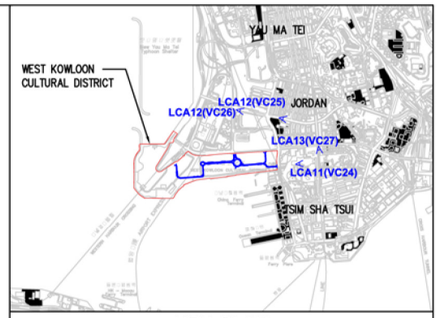
Figure 1.28

VC24 (LCA11) Kowloon Park Urban Landscape 7-8-2014

VC25 (LCA12) Jordan Mixed Urban Landscape 7-8-2014

VC26 (LCA12) Jordan Mixed Urban Landscape 7-8-2014

VC27 (LCA13) Tsim Sha Tsui Organic Mixed Urban Development Landscape 7-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 7 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

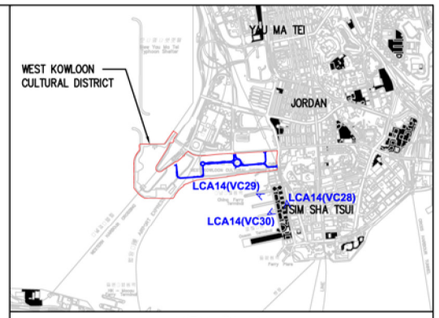
Drawing Number

Figure 1.29

VC28 (LCA14) Tsim Sha Tsui Commercial Retail Complex Landscape 8-8-2014

VC29 (LCA14) Tsim Sha Tsui Commercial Retail Complex Landscape 8-8-2014

VC30 (LCA14) Tsim Sha Tsui Commercial Retail Complex Landscape 8-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE CHARACTER AREA PHOTO RECORD
(SHEET 8 OF 8)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number

Figure 1.30

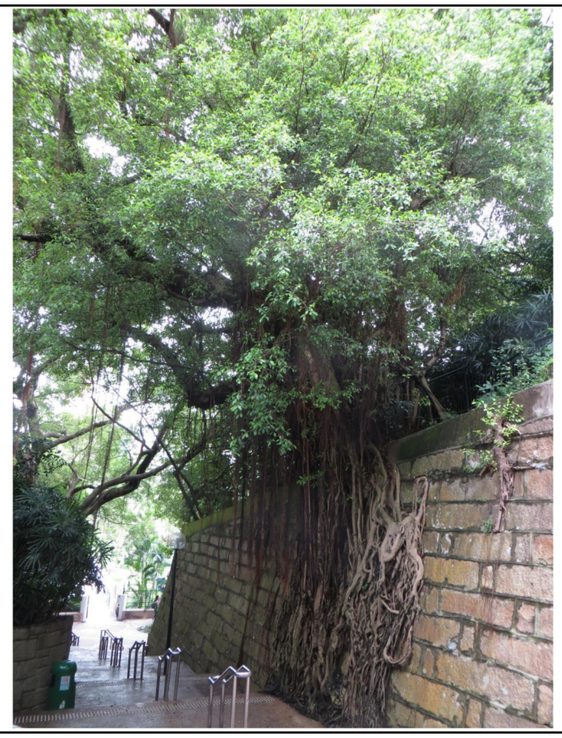
LR1.1 Kowloon Park
Photo 1
7-8-2014

LR1.1 Kowloon Park
Photo 2
7-8-2014

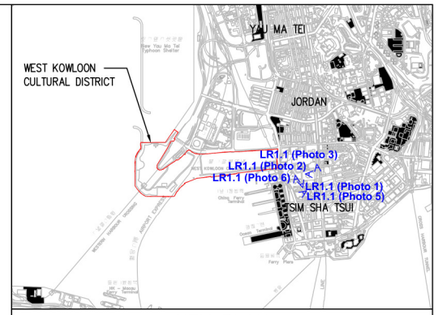
LR1.1 Kowloon Park
Photo 3
7-8-2014

LR1.1 Kowloon Park
Photo 4 - OVT (LCSD YTM/61)
7-8-2014

LR1.1 Kowloon Park
Photo 5 - OVT (LCSD YTM/60)
7-8-2014



LR1.1 Kowloon Park
Photo 6 - OVT (LCSD YTM/78)
7-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 1 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

Figure 1.2

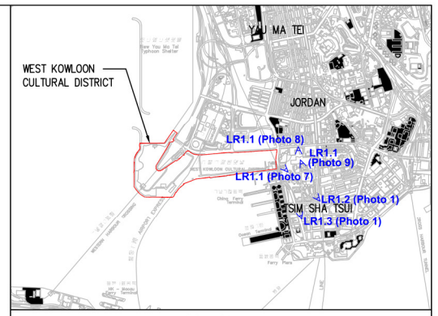
LR1.1 Kowloon Park
Photo 7 - OVT (LCSD YTM/83)
7-8-2014

LR1.1 Kowloon Park
Photo 8 - Kowloon Park Playground
7-8-2014

LR1.1 Kowloon Park
Photo 9 - Kowloon Park Sports Centre
7-8-2014

LR1.2 Plaza in front of Kowloon Mosque and Islamic Centre
Photo 1
7-8-2014

LR1.3 Kowloon Park Drive Garden
Photo 1
7-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

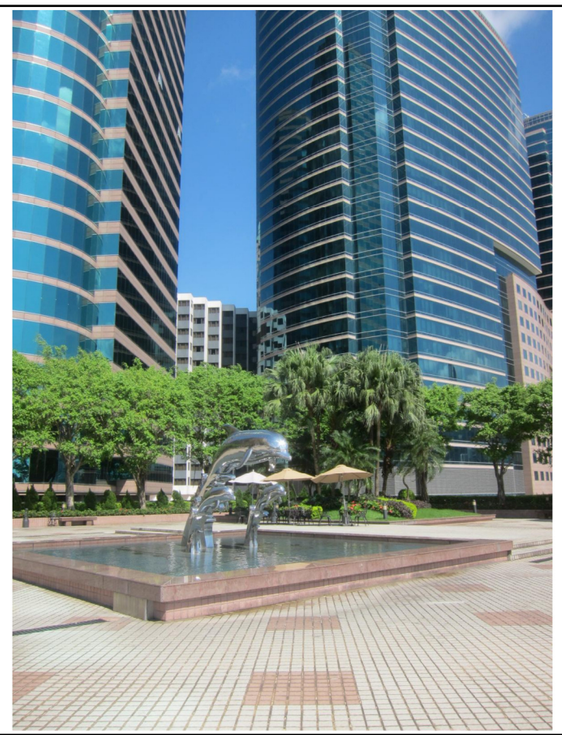
Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 2 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		

Scale at A3	Status	Rev
NTS		

Drawing Number
Figure 1.3

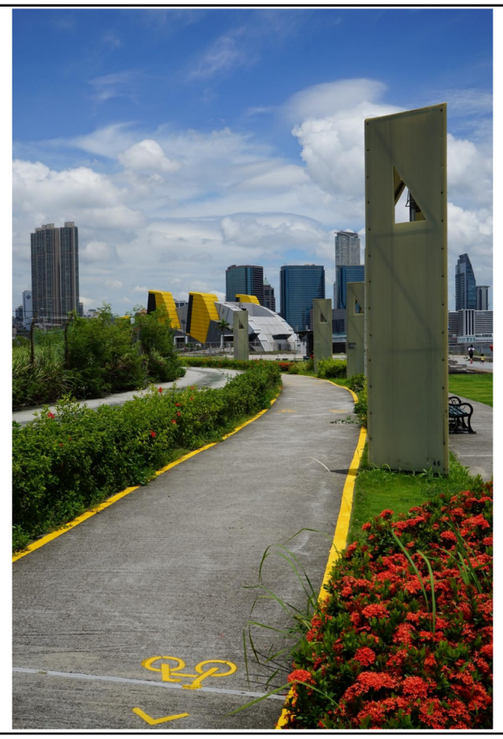


LR1.4 Rooftop Garden on Hong Kong China Ferry Terminal
Photo 1
5-8-2014

LR1.5 Kowloon Park Drive Playground
Photo 1
7-8-2014

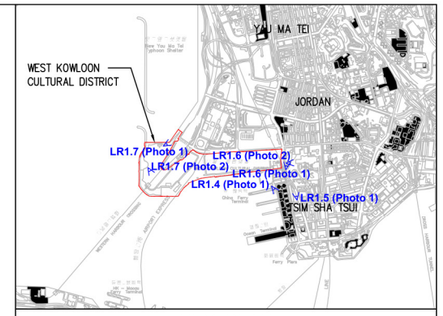
LR1.6 Canton Road Playground
Photo 1
7-8-2014

LR1.6 Canton Road Playground
Photo 2
7-8-2014



LR1.7 Temporary Open Space along the Waterfront Promenade within the site boundary
Photo 1
5-8-2014

LR1.7 Temporary Open Space along the Waterfront Promenade within the site boundary
Photo 2
5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 3 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

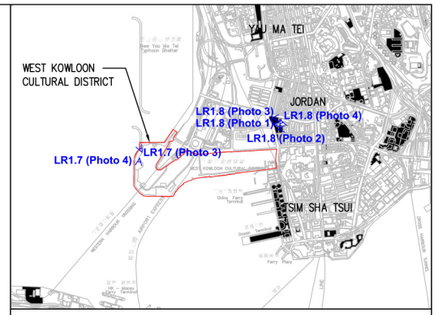
Drawing Number

Figure 1.4

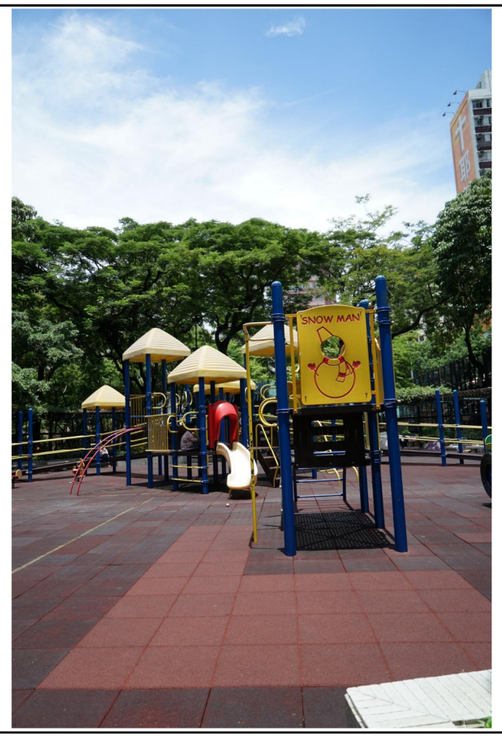
LR1.7 Temporary Open Space along the Waterfront Promenade within the site boundary
Photo 3
5-8-2014

LR1.7 Temporary Open Space along the Waterfront Promenade within the site boundary
Photo 4
5-8-2014

LR1.8 King George V Memorial Park
Photo 1
5-8-2014

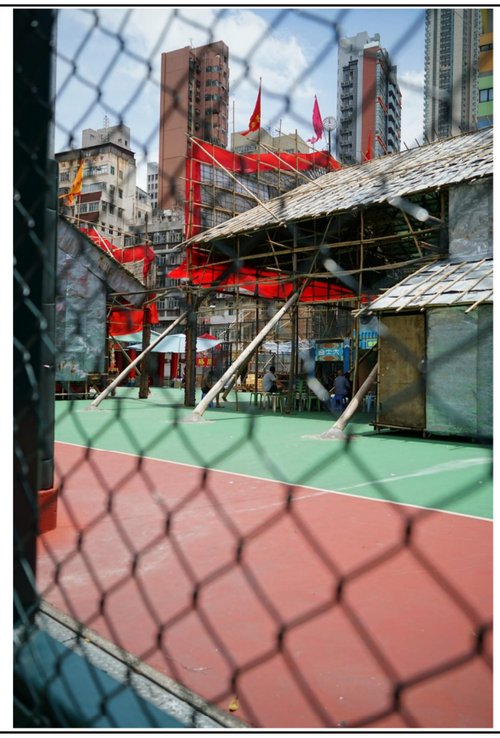


KEY PLAN



LR1.8 King George V Memorial Park
Photo 2
5-8-2014

LR1.8 King George V Memorial Park
Photo 3
5-8-2014



LR1.8 King George V Memorial Park
Photo 4 - King George V Memorial Park Playground
5-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 4 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		

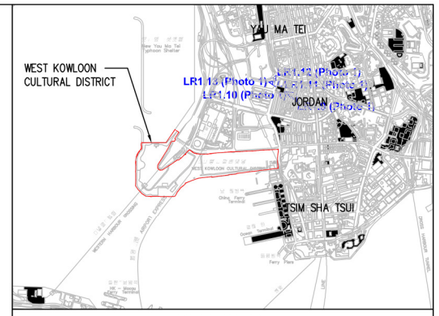
Scale at A3	Status	Rev
NTS		

Drawing Number

Figure 1.5

LR 1.9 Ning Po Street & Shanghai Street Rest Garden
Photo 1
7-8-2014

LR1.10 Battery Street Sitting Out Area
Photo 1
7-8-2014



KEY PLAN

LR1.11 Saigon Street Playground
Photo 1
7-8-2014

LR1.12 Yau Tsim Mong Pet Garden
Photo 1
7-8-2014

LR1.13 Man Cheong Street Community Street
Photo 1
7-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 5 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

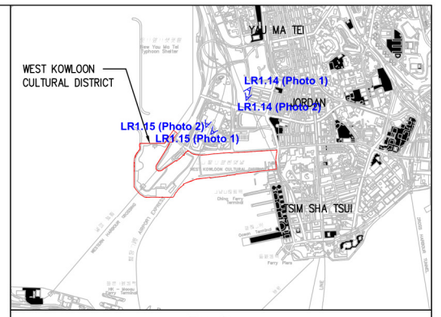
Figure 1.6

LR1.14 Man Cheong Street Rest Garden
Photo 1
7-8-2014

LR1.14 Man Cheong Street Rest Garden
Photo 2
7-8-2014

LR1.15 Public Open Space at the Kowloon Station
Photo 1
7-8-2014

LR1.15 Public Open Space at the podium of Kowloon Station
Photo 2
7-8-2014



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Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 6 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

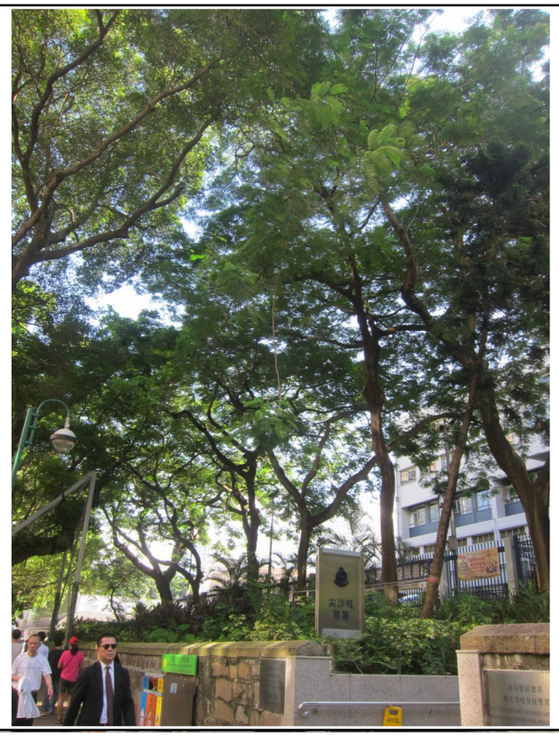
Drawing Number

Figure 1.7

LR2.1 Roadside Plantation along Park Lane Shopper's Boulevard
Photo 1
5-8-2014

LR2.1 Roadside Plantation along Park Lane Shopper's Boulevard
Photo 2
5-8-2014

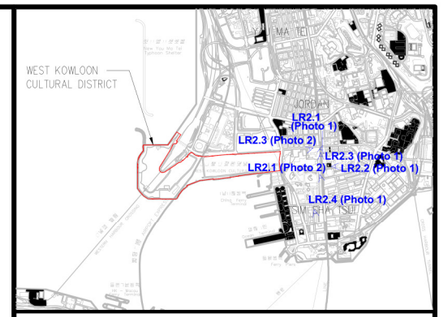
LR2.2 Roadside Plantation along Observatory Road
Photo 1
5-8-2014



LR2.3 Amenity Plantation around Tsim Sha Tsui Police Station
Photo 1
5-8-2014

LR2.3 Amenity Plantation around Tsim Sha Tsui Police Station
Photo 2
5-8-2014

LR2.4 Roadside Trees along Hankow Road
Photo 1
5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 7 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number
Figure 1.8

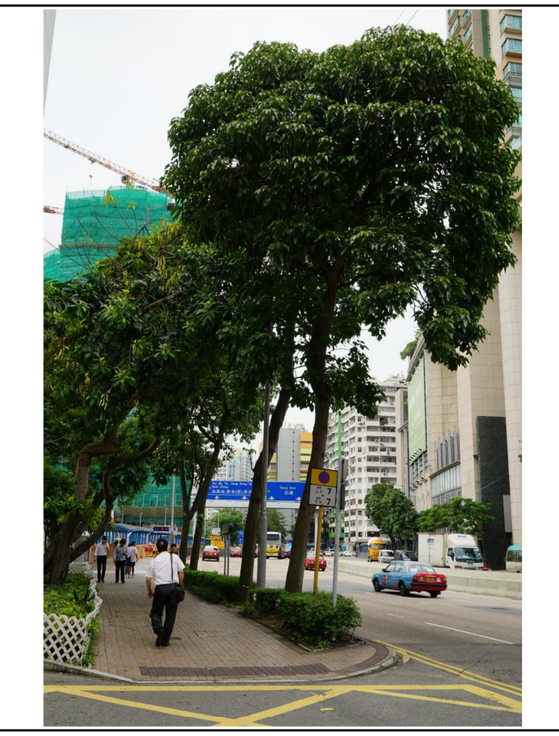
LR2.5 Roadside Trees along Canton Road in front of Lippo Sun Plaza
Photo 1
5-8-2014

LR2.6 Roadside Plantation along Haiphong Road
Photo 1
5-8-2014

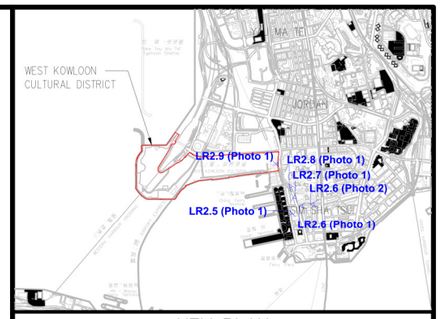
LR2.6 Roadside Plantation along Haiphong Road
Photo 2
5-8-2014

LR2.7 Amenity Planting Strip along Kowloon Park Drive
Photo 1
5-8-2014

LR2.8 Trees along Canton Road to Kowloon Park Drive
Photo 1
5-8-2014



LR2.9 Roadside Plantation in front of Tsim Sha Tsui Fire Station
Photo 1
5-8-2014



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Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 8 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

Figure 1.9

LR2.9 Roadside Plantation in front of Tsim Sha Tsui Fire Station
Photo 2
6-8-2014

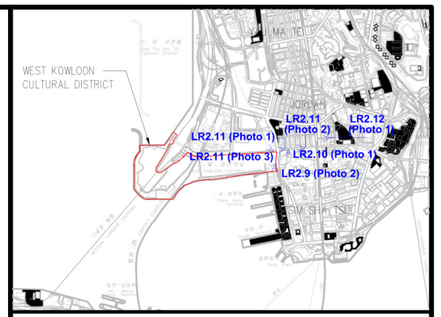
LR2.10 RoadsideTrees along Scout Path
Photo 1
6-8-2014

LR2.11 Roadside Plantation along Austin Road
Photo 1
6-8-2014

LR2.11 Roadside Plantation along Austin Road
Photo 2
6-8-2014

LR2.11 Roadside Plantation along Austin Road
Photo 3
6-8-2014

LR2.12 Roadside Trees along Tak Shing Street
Photo 1
6-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 9 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number
Figure 1.10

LR2.13 Roadside Plantation along Nathan Road
Photo 1
6-8-2014

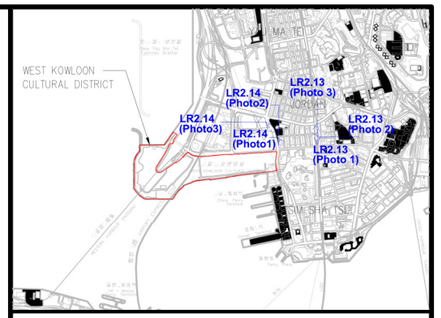
LR2.13 Roadside Plantation along Nathan Road
Photo 2
6-8-2014

LR2.13 Roadside Plantation along Nathan Road
Photo 3
6-8-2014

LR2.14 Roadside Plantation along Canton Road
Photo 1
6-8-2014

LR2.14 Roadside Plantation along Canton Road
Photo 2
6-8-2014

LR2.14 Roadside Plantation along Canton Road
Photo 3
6-8-2014



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Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 10 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

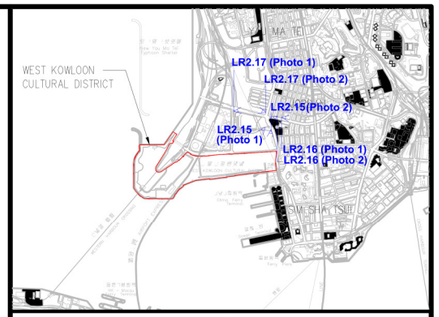
Drawing Number

Figure 1.11

LR2.15 Roadside Plantation along Wui Cheung Road
Photo 1
6-8-2014

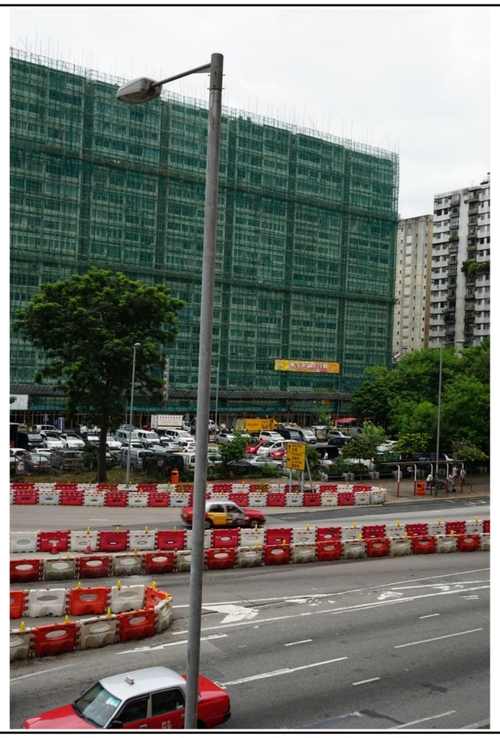
LR2.15 Roadside Plantation along Wui Cheung Road
Photo 2
6-8-2014

LR2.16 Roadside Plantation along Jordan Road
Photo 1
6-8-2014



KEY PLAN

LR2.16 Roadside Plantation along Jordan Road
Photo 2
6-8-2014



LR2.17 Roadside Plantation close to Jordan Road and Ferry Street Carpark
Photo 1
6-8-2014

LR2.17 Roadside Plantation close to Jordan Road and Ferry Street Carpark
Photo 2
6-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 11 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

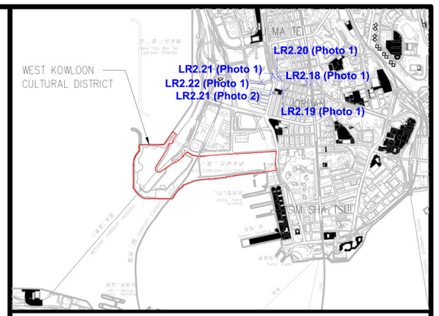
Drawing Number

Figure 1.12

LR2.18 Roadside Trees at the junction of Kansu Street and Shanghai Street
Photo 1
6-8-2014

LR2.19 Roadside Trees along Canton Road (near Yau Ma Tei Police Station)
Photo 1
6-8-2014

LR2.20 Amenity Planting next to Yau Ma Tei Police Station
Photo 1
6-8-2014



KEY PLAN

LR2.21 Roadside Trees along Ferry Street (near Yau Ma Tei Electric Substation)
Photo 1
6-8-2014

LR2.21 Roadside Trees along Ferry Street (near Yau Ma Tei Electric Substation)
Photo 2
6-8-2014

LR2.22 Roadside Trees along Yan Cheung Road
Photo 1
6-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 12 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

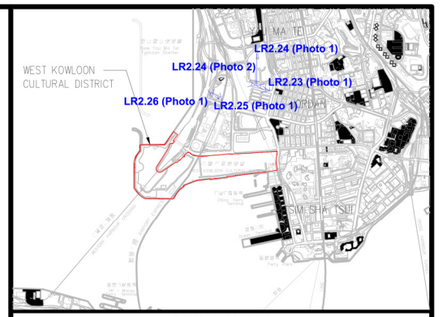
Figure 1.13

LR2.23 Trees along Man Cheong Street
Photo 1
6-8-2014

LR2.24 Trees within Construction Site and Vacant Land near Man Cheong Street
Photo 1
6-8-2014

LR2.25 Amenity Planting at the Bus Terminal near Jordon Road
Photo 1
6-8-2014

LR2.26 Trees along West Kowloon Highway
Photo 1
6-8-2014



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Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

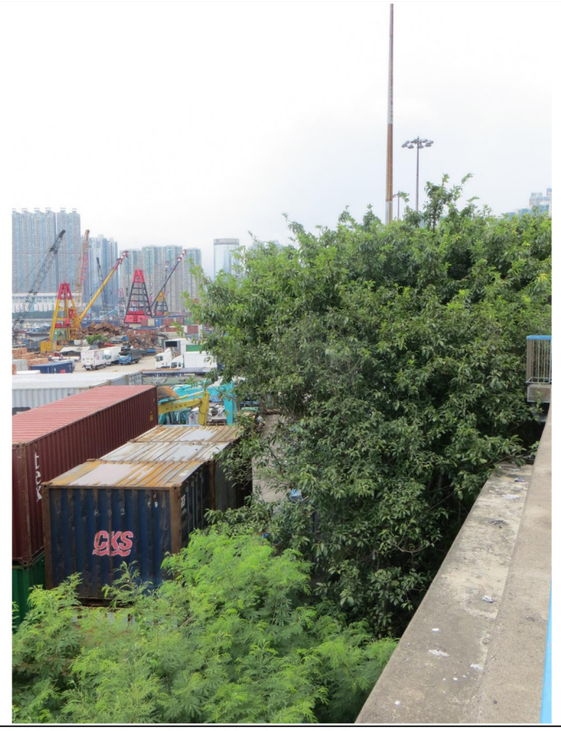
BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 13 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

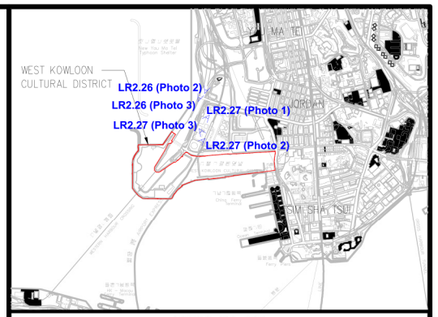
Drawing Number

Figure 1.14

LR2.26 Trees along West Kowloon Highway
Photo 2
6-8-2014



LR2.26 Trees along West Kowloon Highway
Photo 3
6-8-2014



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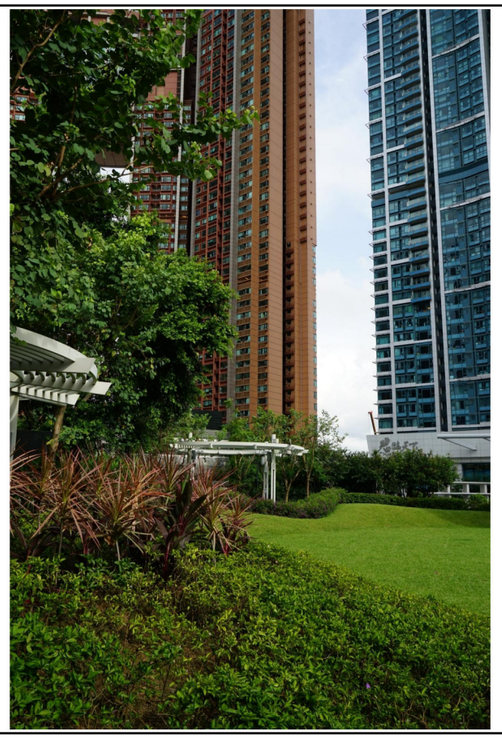


LR2.27 Amenity Planting within the private development at the Kowloon Station
Photo 1
6-8-2014

LR2.27 Amenity Planting within the private development at the Kowloon Station
Photo 2
6-8-2014

LR2.27 Amenity Planting within the private development at the Kowloon Station
Photo 3
6-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

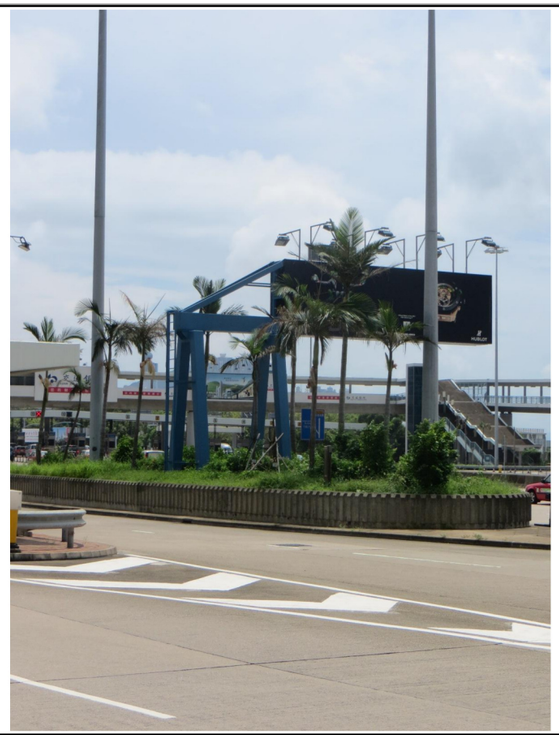
Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 14 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number
Figure 1.15

LR2.28 Roadside Plantation along Western Harbour Crossing Bus Stop near Element
Photo 1 6-8-2014

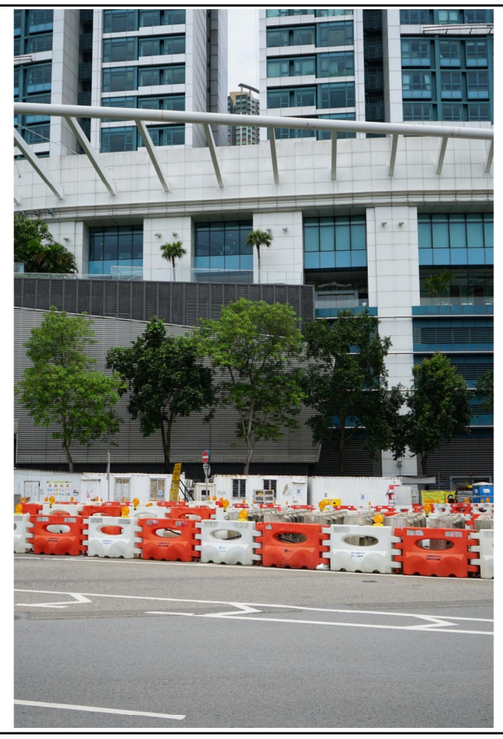


LR2.28 Roadside Plantation along Western Harbour Crossing Bus Stop near Element
Photo 2 6-8-2014

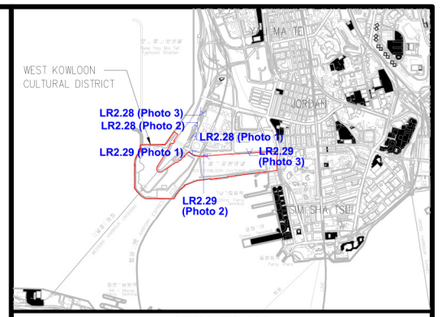
LR2.28 Roadside Plantation along Western Harbour Crossing Bus Stop near Element
Photo 3 6-8-2014

LR2.29 Roadside Plantation along Austin Road West
Photo 1 6-8-2014

LR2.29 Roadside Plantation along Austin Road West
Photo 2 6-8-2014



LR2.29 Roadside Plantation along Austin Road West
Photo 3 6-8-2014



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Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

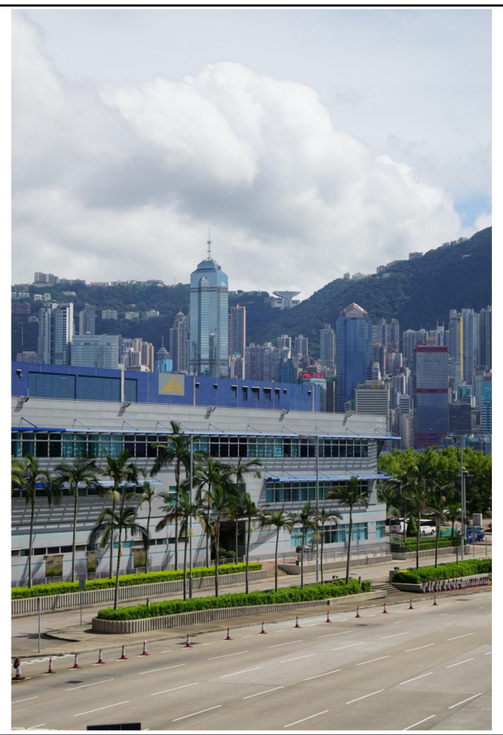
Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 15 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

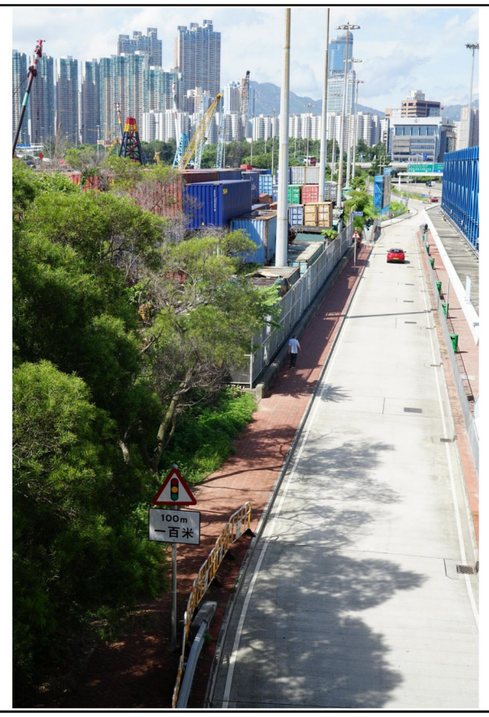
Drawing Number

Figure 1.16



LR2.30 Roadside Plantation next to Western Harbour Tunnel Administration
Photo 1
5-8-2014

LR2.31 Tree Buffering Western Harbour Tunnel Entrance
Photo 1
5-8-2014

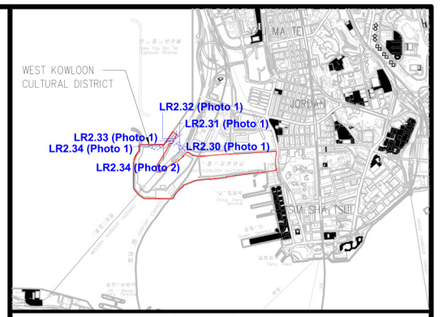


LR2.32 Roadside Platation along Western Hrabour Crossing
Bus Stop next to New Yau Ma Tei Typhoon Shelter
Photo 1
5-8-2014

LR2.33 Trees along New Yau Ma Tei Typhoon Shelter Pier
Photo 1
5-8-2014

LR2.34 Amenity Planting within Salt Water Pumping Station
Photo 1
5-8-2014

LR2.34 Amenity Planting within Salt Water Pumping Station
Photo 2
5-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

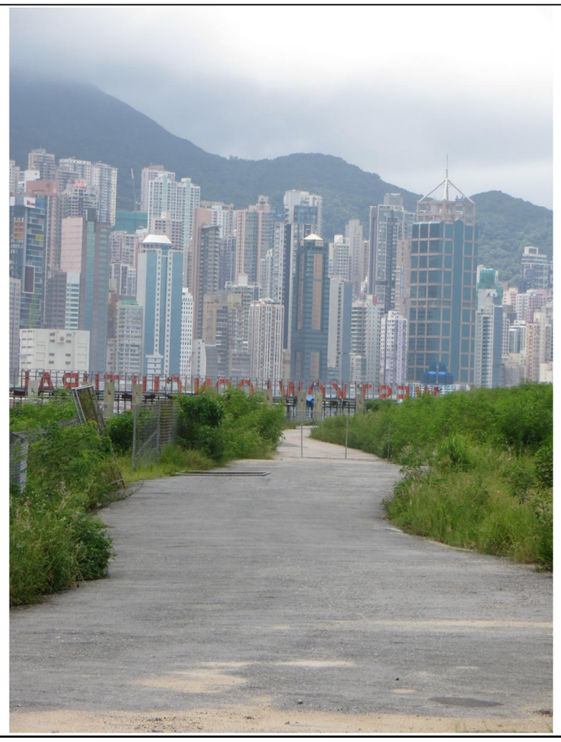
BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 16 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

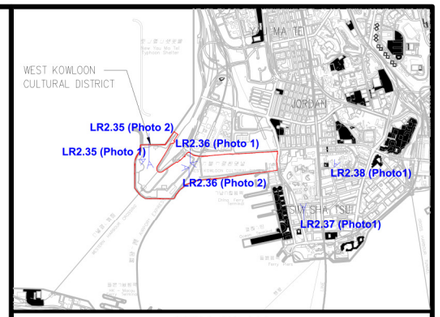
Figure 1.17

LR2.35 Tree Cluster in the Western Part within the Site Boundary
Photo 1 5-8-2014



LR2.35 Tree Cluster in the Western Part within the Site Boundary
Photo 2 5-8-2014

LR2.36 Tree Cluster in the Eastern Part within the Site Boundary
Photo 1 5-8-2014



KEY PLAN

LR2.36 Tree Cluster in the Eastern Part within the Site Boundary
Photo 2 5-8-2014

LR2.37 Amenity Planting at the end of Ashley Road
Photo 1 5-8-2014

LR2.38 Amenity Planting next to Hong Kong Observatory Building
Photo 1 5-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 17 OF 20)

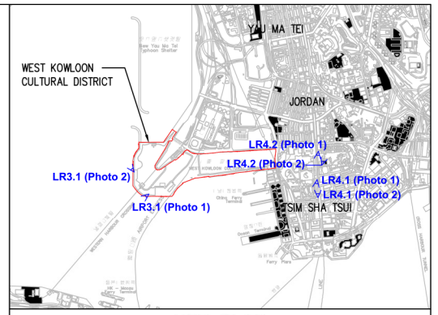
Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number
Figure 1.18

LR3.1 Victoria Harbour
Photo 1
5-8-2014

LR3.1 Victoria Harbour
Photo 2
5-8-2014

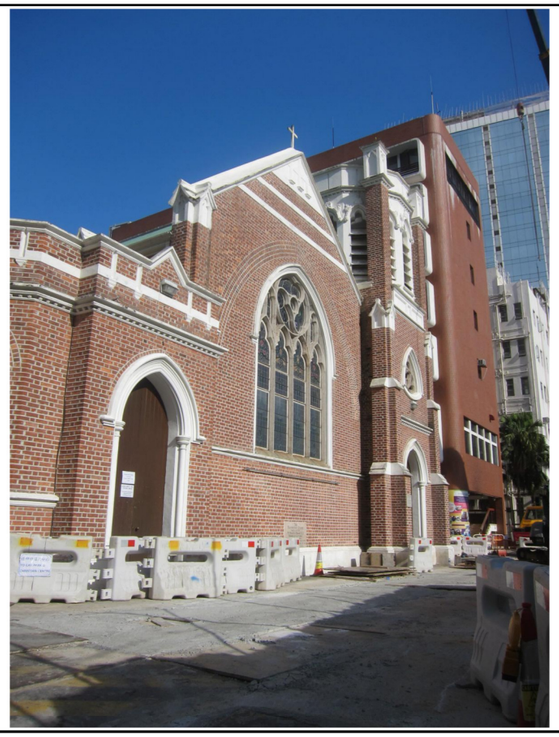
LR4.1 Kowloon Mosque and Islamic Centre
Photo 1
6-8-2014



KEY PLAN

LR4.1 Kowloon Mosque and Islamic Centre
Photo 2
6-8-2014

LR4.2 St. Andrew's Church and Former Kowloon British School
Photo 1
6-8-2014



LR4.2 St. Andrew's Church and Former Kowloon British School
Photo 2 - St. Andrew's Church
6-8-2014

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 18 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		

Scale at A3	Status	Rev
NTS		

Drawing Number

Figure 1.19

LR4.2 St. Andrew's Church and Former Kowloon British School
Photo 3
6-8-2014

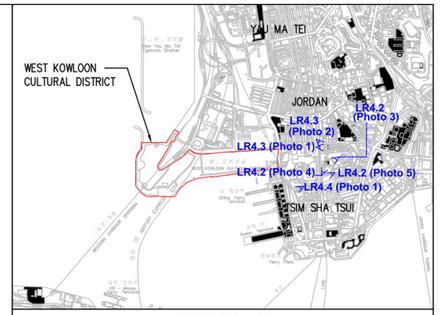
LR4.2 St. Andrew's Church and Former Kowloon British School
Photo 4 - Former Kowloon British School
6-8-2014

LR4.2 St. Andrew's Church and Former Kowloon British School
Photo 5 - Trees Outside the Former Kowloon British School
6-8-2014

LR4.3 No. 190 Nathan Road
Photo 1
6-8-2014

LR4.3 No. 190 Nathan Road
Photo 2
6-8-2014

LR4.4 Built Heritage within Kowloon Park
Photo 1 - Hong Kong Heritage Discovery Centre
6-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 19 OF 20)

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3 NTS		Status		Rev	

Drawing Number

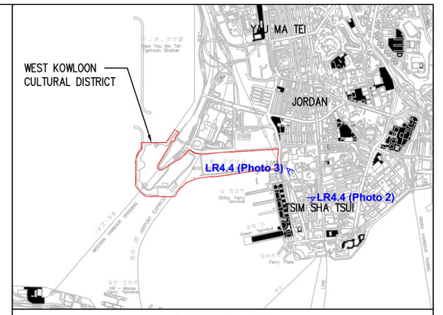
Figure 1.20

LR4.4 Built Heritage within Kowloon Park
Photo 2 - Health Education Exhibition & Resources Centre

6-8-2014

LR4.4 Built Heritage within Kowloon Park
Photo 3 - Kowloon West II Battery

6-8-2014



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

Project

BASELINE ENVIRONMENTAL MONITORING FOR WEST KOWLOON CULTURAL DISTRICT

Title

BASELINE LANDSCAPE RESOURCES PHOTO RECORD (SHEET 20 OF 20)

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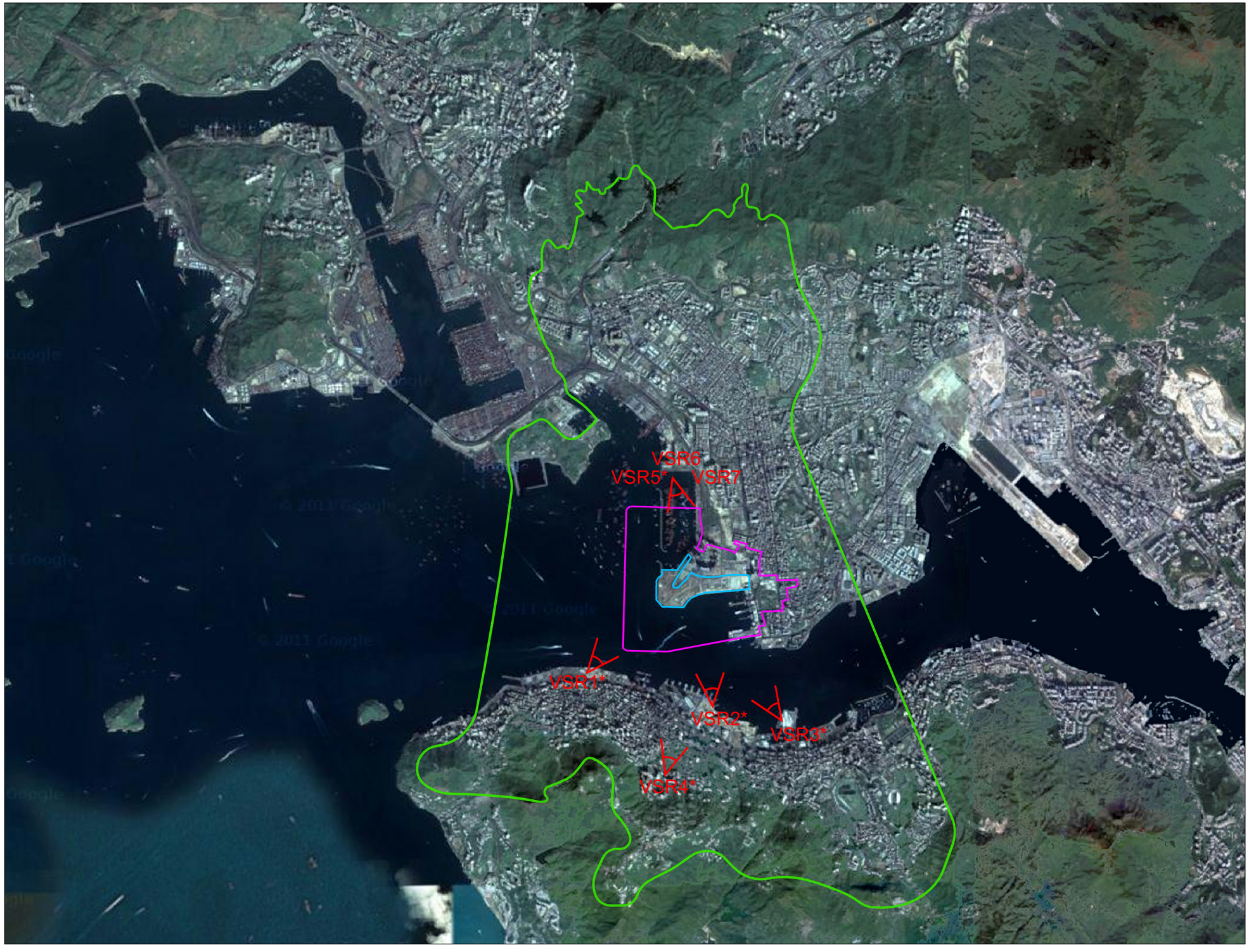
Drawn			Coordination		
Dwg check			Approved		

Scale at A3	Status	Rev
NTS		

Drawing Number

Figure 1.21



LEGEND:

- SITE BOUNDARY
- VISUAL ENVELOPE
- PRIMARY ZONE OF VISUAL INFLUENCE

VISUALLY SENSITIVE RECEIVERS (VSRs) OUTSIDE PRIMARY ZONE OF VISUAL INFLUENCE #:

VSR1*:	SUN YAT SEN MEMORIAL PARK
VSR2*:	CENTRAL STAR FERRY PIER NO.7
VSR3*:	HONGKONG CONVENTION AND EXHIBITION CENTRE
VSR4*:	THE PEAK
VSR5*:	HOI FEI ROAD WATERFRONT
VSR6:	ONE SILVERSEA
VSR7:	ISLAND HARBOURVIEW

NOTES:

* PHOTOMONTAGE ARE PROVIDED IN FIGURE 10.13 to 10.22.

LOCATION OF VSRs WITHIN THE PRIMARY ZONE OF VISUAL INFLUENCE ARE SHOWN IN FIGURE 10.10.

Rev	Date	Drawn	Description	Ch'k'd	App'd

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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

LOCATION OF THE VSRs LOCATED WITHIN VISUAL ENVELOPE (OUTSIDE THE PRIMARY ZONE OF VISUAL INFLUENCE)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A3 NTS		Status		Rev	

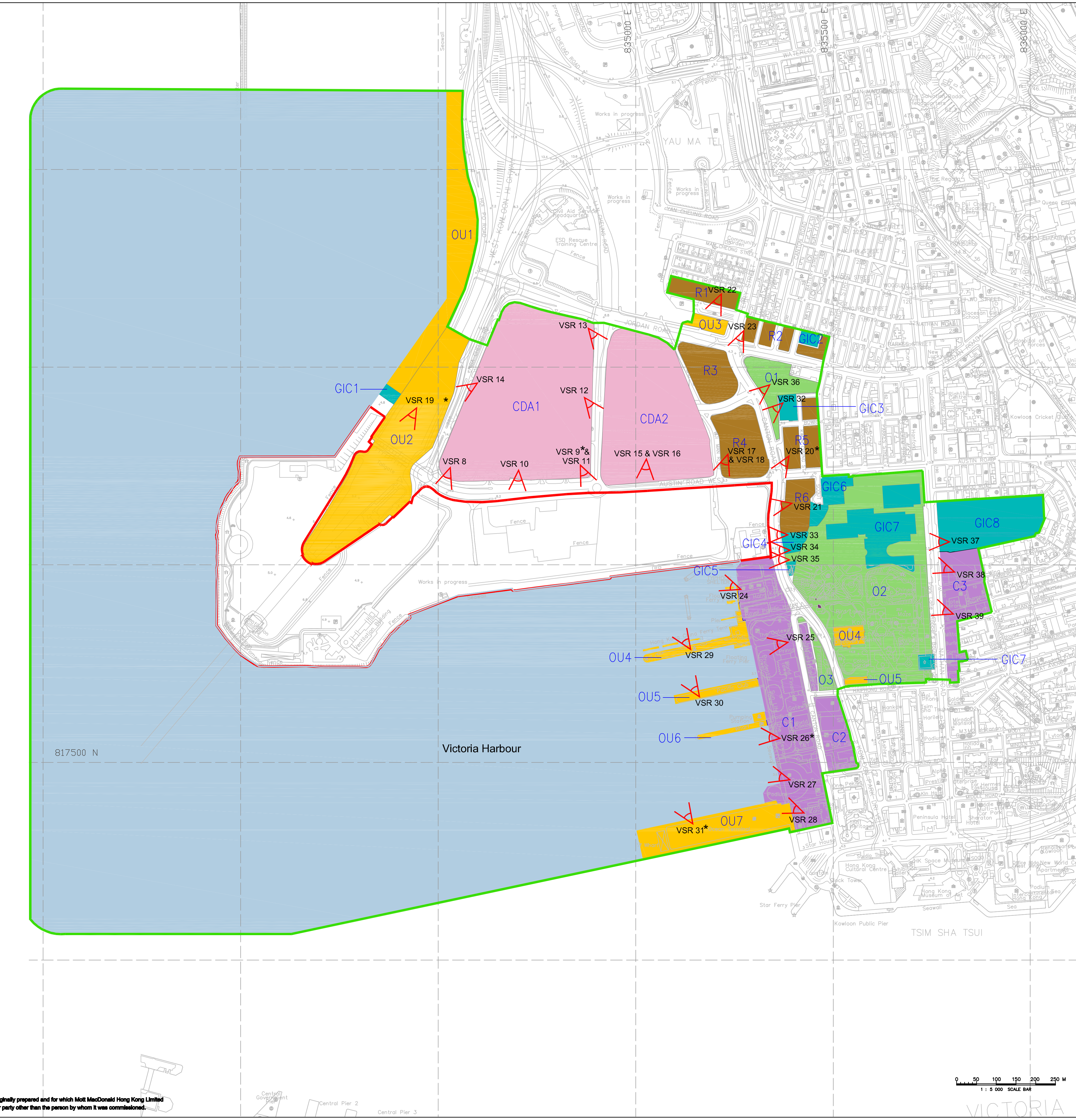
Drawing Number

Figure 10.8

LOCATION OF VSRs

VSR 1 *	Sun Yat Sen Memorial Park
VSR 2 *	Central Star Ferry Pier
VSR 3 *	Hong Kong Convention and Exhibition Centre
VSR 4 *	The Peak
VSR 5 *	Hoi Fei Road Waterfront
VSR 6	One Silversea
VSR 7	Island Harbourview
VSR 8	International Commerce Centre (ICC)
VSR 9*	The Elements
VSR 10	The Harbourside
VSR 11	The Arch
VSR 12	The Waterfront
VSR 13	Sorrento Towers
VSR 14	The Cullinan
VSR 15	West Kowloon Terminus
VSR 16	Planned CDA Development above West Kowloon Terminus
VSR 17	Austin Station
VSR 18	Planned Residential Development above Austin Station
VSR 19 *	Western Harbour Crossing Toll Plaza
VSR 20*	Wai On Building & Wai Hang Building
VSR 21	The Victoria Tower
VSR 22	Man King Building and Man Wah Building
VSR 23	Lee Kiu Building and Wai Ching Court
VSR 24	China Hong Kong City
VSR 25	Hong Kong Hotel and Prince Hotel
VSR 26*	Gateway Hong Kong
VSR 27	Harbour City and Ocean Centre
VSR 28	The Macro Polo Hong Kong Hotel
VSR 29	Hong Kong China Ferry Terminal
VSR 30	Pacific Club Kowloon
VSR 31*	Ocean Terminal
VSR 32	Kwun Chung Municipal Services Building
VSR 33	Lai Chack Middle School
VSR 34	Canton Road Government Primary School
VSR 35	Kowloon Park (Entrance on Canton Road)
VSR 36	King George V Memorial Park, Kowloon
VSR 37	The heritage sites consisting of the declared monuments of St. Andrew's Church, Antiques and Monuments Office and Hong Kong Observatory
VSR 38	Miramar Arcade/Tower/ The Mira Hotel
VSR 39	The One
VSR 40	Travellers on Ferries to/from Central and Tsim Sha Tsui (Transient VSRs)
VSR 41	Travellers along Austin Road West (Transient VSRs)
VSR 42	Travellers along Canton Road (Transient VSRs)
VSR 43	Tsim Sha Tsui Fire Station

Zoning of the Surrounding Areas of the WKCD Site	
Commercial (C)	
C 1	China Hong Kong City, Hong Kong Hotel and Prince Hotel The Macro Polo Hong Kong Hotel, Harbour City and Ocean Centre, The Gateway,
C 2	Commercial Developments Located west of Kowloon Park Drive, East of Canton Road and North of Peking Road
Residential (R)	
R1 and R2	Planned residential development above Austin Station
R3	Wai On Building & Wai Hang Building
R4	Victoria Tower
Comprehensive Development Area (CDA)	
CDA 1	International Commerce Centre, the Elements, the Harbourside, the Arch, the Waterfront, Sorrento Towers & the Cullinan.
CDA 2	West Kowloon Terminus
Open Space (O)	
O 1	King George V Memorial Park, Kowloon
O 2	Kowloon Park
O 3	Resting Area Fronting Kowloon Park Drive
Other Specific Use (OU)	
OU 1	Public cargo working area
OU 2	West Harbour Crossing Toll Plaza
OU3	Hong Kong China Ferry Terminal
OU4	Pacific Club
OU5	Pumping Station
OU6	Ocean Terminal
Government, Institution or Community (GIC)	
GIC 1	GIC Facility
GIC 2	Kwun Chung Municipal Services Building
GIC 3	Lai Chack Middle School
GIC 4	Canton Road Government Primary School
GIC 5	Hong Kong Scout Centre & International House
GIC 6	Yau Tsim District Police Headquarters and Tsim Sha Tsui police station, Kowloon Park Sports Centre and Kowloon Park Swimming Pool
GIC 7	Kowloon Mosque & Islamic Centre



LEGEND

- Comprehensive Development Area (CDA)
- Government, Institution or Community (GIC)
- Commercial (C)
- Residential (Group A) (R (A))
- Open Space (O)
- Other Specified Uses (OU)
- Victoria Harbour
- Primary Zone of Visual Influence (PZVI)
- Site Boundary
- Location of VSRs within the Primary Zone of Visual Influence (PZVI)

NOTES:

* PHOTOMONTAGE ARE PROVIDED IN FIGURE 10.13 to 10.22.

\# LOCATION OF VSRs OUTSIDE THE PRIMARY ZONE OF VISUAL INFLUENCE ARE SHOWN IN FIGURE 10.8.

Rev	Date	Drawn	Description	Ch'k'd	App'd

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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

ZONING OF THE SURROUNDING AREAS & LOCATION OF VSRs LOCATED WITHIN THE PRIMARY ZONE OF VISUAL INFLUENCE

Designed	CC	Eng check	
Drawn	CC	Coordination	
Dwg check	PC	Approved	PL
Scale at A3 1: 5000	Status		Rev

Drawing Number

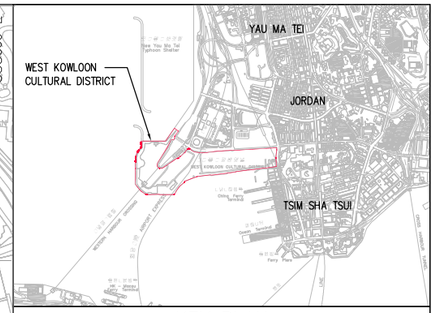
Figure 10.10

LOCATION OF VSRs

Key VSR	
VSR 1	International Commerce Centre (ICC)
VSR 2*	The Elements
VSR 3	The Harbourside
VSR 4	The Arch
VSR 5	West Kowloon Terminus
VSR 6	Planned CDA Development above West Kowloon Terminus
VSR 7	Austin Station
VSR 8	Planned Residential Development above Austin Station
VSR 9	Western Harbour Crossing Toll Plaza
VSR 10*	Wai On Building & Wai Hang Building
VSR 11	The Victoria Tower
VSR 12	China Hong Kong City
VSR 13	Hong Kong Hotel and Prince Hotel
VSR 14*	Gateway Hong Kong
VSR 15	Hong Kong China Ferry Terminal
VSR 16	Lai Chack Middle School
VSR 17	Canton Road Government Primary School
VSR 18	King George V Memorial Park, Kowloon
VSR 19	Travellers along Austin Road West (Transient VSRs)
VSR 20	Travellers along Canton Road (Transient VSRs)
VSR 21	Tsim Sha Tsui Fire Station
VSR 22	Phase 1A of the Park
VSR 23	Phase 1 of Xiqu Centre

*Notes: Photomontages are provided.

Zoning within the Primary Zone of Visual Influence (Outside the WKCD Site Boundary)	
Commercial (C)	
C 1	China Hong Kong City, Hong Kong Hotel and Prince Hotel, the Macro Polo Hong Kong Hotel, Harbour City and Ocean Centre, the Gateway,
Residential (R)	
R1	Planned residential development above Austin Station
R2	Wai On Building & Wai Hang Building
R3	Victoria Tower
Comprehensive Development Area (CDA)	
CDA 1	International Commerce Centre, the Elements, the Harbourside, the Arch, the Waterfront, Sorrento Towers & the Cullinan.
CDA 2	West Kowloon Terminus
Open Space (O)	
O 1	King George V Memorial Park, Kowloon
Other Specific Use (OU)	
OU 1	West Harbour Crossing Toll Plaza
OU 2	China Ferry Terminal
OU 3	Pacific Club Kowloon
OU 4	Ocean Terminal
Government, Institution or Community (GIC)	
GIC 1	Lai Chack Middle School
GIC 2	Canton Road Government Primary School



KEY PLAN

LEGEND

- Comprehensive Development Area (CDA)
- Government, Institution or Community (GIC)
- Commercial (C)
- Residential (Group A) (R (A))
- Open Space (O)
- Other Specified Uses (OU)
- Victoria Harbour
- Primary Zone of Visual Influence (PZVI)
- Proposed Underpass Road
- Location of VSRs
- WKCD Site Boundary

Rev	Date	Drawn	Description	Ch'k'd	App'd

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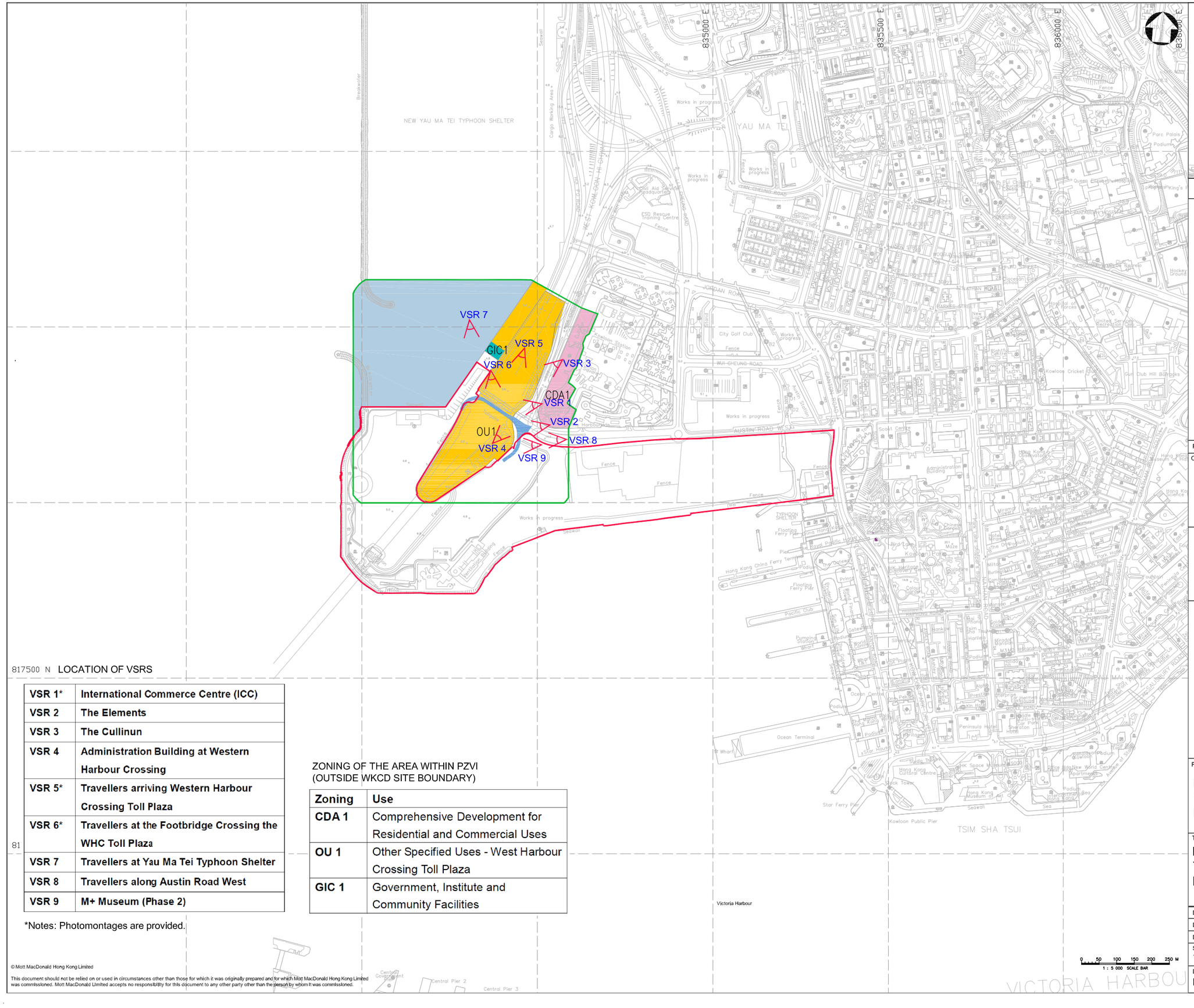
PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

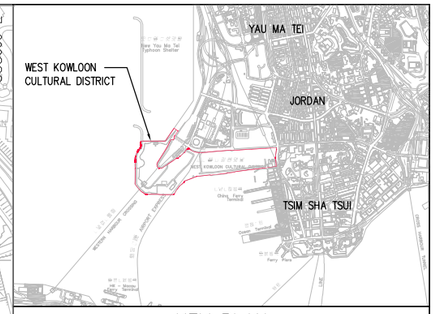
Title

LOCATION OF VSRs
LOCATED WITHIN
PRIMARY ZONE OF VISUAL INFLUENCE

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 1:5000		Status		Rev	

Drawing Number
Figure 14.10.8





KEY PLAN

LEGEND

- Comprehensive Development Area (CDA)
- Government, Institution or Community (GIC)
- Other Specified Uses (OU)
- Victoria Harbour
- Primary Zone of Visual Influence (PZVI)
- WKCD Site Boundary
- Location of VSRs
- Proposed Flyover

LOCATION OF VSRs

VSR 1*	International Commerce Centre (ICC)
VSR 2	The Elements
VSR 3	The Cullinun
VSR 4	Administration Building at Western Harbour Crossing
VSR 5*	Travellers arriving Western Harbour Crossing Toll Plaza
VSR 6*	Travellers at the Footbridge Crossing the WHC Toll Plaza
VSR 7	Travellers at Yau Ma Tei Typhoon Shelter
VSR 8	Travellers along Austin Road West
VSR 9	M+ Museum (Phase 2)

*Notes: Photomontages are provided.

ZONING OF THE AREA WITHIN PZVI (OUTSIDE WKCD SITE BOUNDARY)

Zoning	Use
CDA 1	Comprehensive Development for Residential and Commercial Uses
OU 1	Other Specified Uses - West Harbour Crossing Toll Plaza
GIC 1	Government, Institute and Community Facilities

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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

LOCATION OF VSRs LOCATED WITHIN THE PRIMARY ZONE OF VISUAL INFLUENCE

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 1:5000		Status		Rev	

Drawing Number

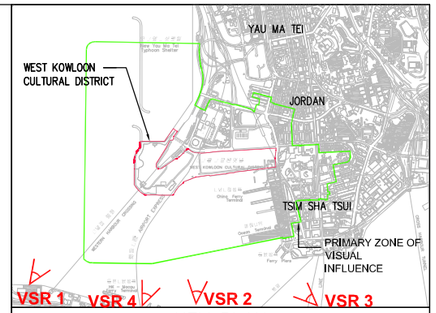
Figure 15.10.8

VSR 1 Sun Yat Sen Memorial Park

VSR 2 Central Star Ferry Pier No. 7

VSR 3 Hong Kong Convention and Exhibition Centre

VSR 4 The Peak



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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 1 TO VSR 4 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number

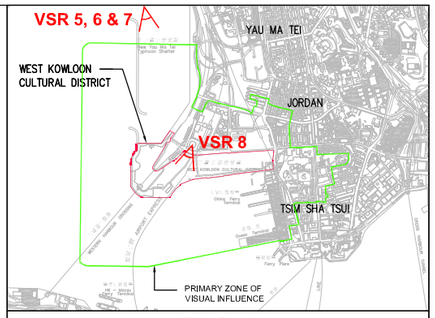
Figure 10.12a

VSR 5 Hoi Fei Road Waterfront

VSR 6 One Silversea

VSR 7 Island Harbourview

VSR 8 International Commerce Centre (ICC)



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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 5 TO VSR 8 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	

Scale at A1	Status	Rev
NTS		

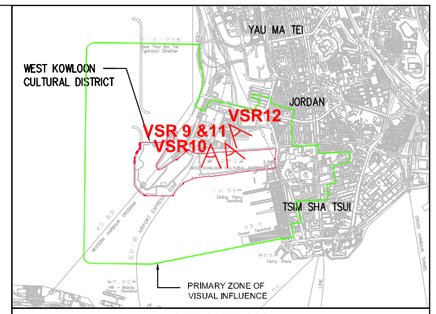
Drawing Number
Figure 10.12b

VSR 9 The Elements

VSR 10 The Harbourside

VSR 11 The Arch

VSR 12 The Waterfront



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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 9 TO VSR 12 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number

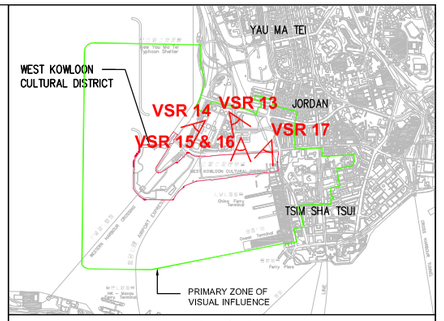
Figure 10.12c

VSR 13 Sorrento Towers

VSR 14 The Cullinan

VSR 15 West Kowloon Terminus &
VSR 16 Planned CDA Development above West Kowloon Terminus

VSR 17 Austin Station



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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 13 TO VSR 17 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

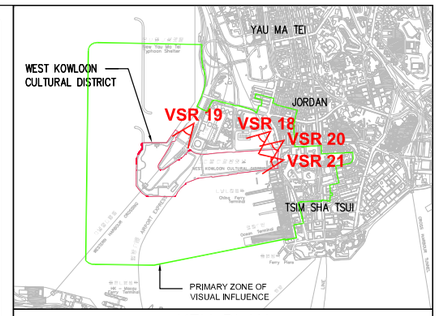
Drawing Number
Figure 10.12d

VSR 18 Planned Residential Development above Austin Station

VSR 19 Western Harbour Crossing Toll Plaza

VSR 20 Wai On Building & Wai Hang Building

VSR 21 The Victoria Tower



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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 18 TO VSR 21 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

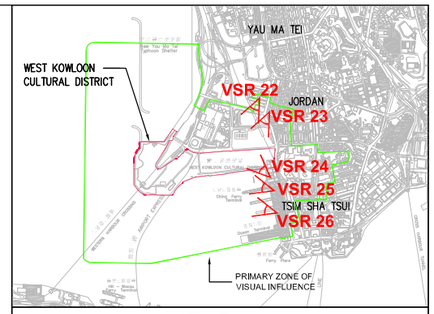
Drawing Number
Figure 10.12e

VSR 22 Man King Building and Man Wah Building &
VSR 23 Lee Kiu Building and Wai Ching Court

VSR 24 China Hong Kong City

VSR 25 Hong Kong Hotel and Prince Hotel

VSR 26 Gateway Hong Kong



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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

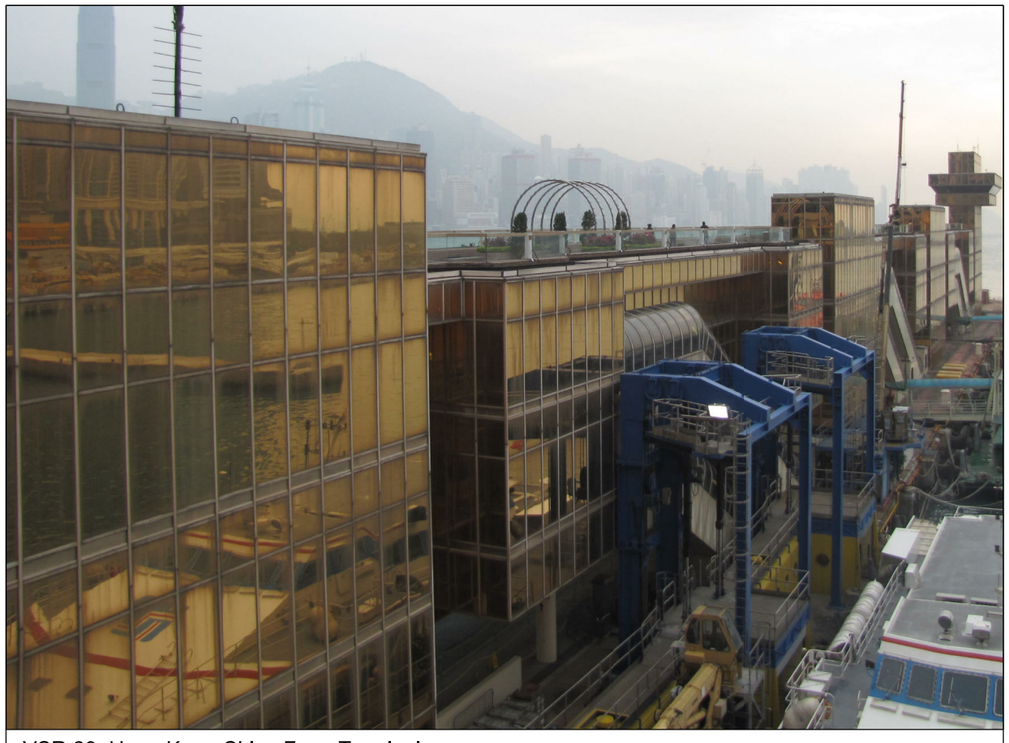
BASELINE VSR 22 TO VSR 26 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number
Figure 10.12f

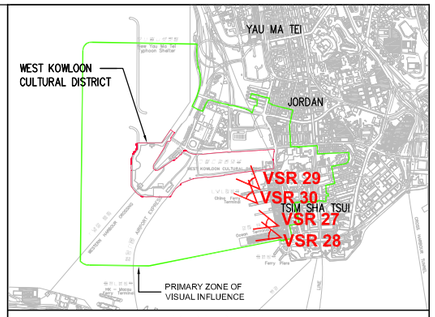
VSR 27 Harbour City and Ocean Centre

VSR 28 The Macro Polo Hong Kong Hotel



VSR 29 Hong Kong China Ferry Terminal

VSR 30 Pacific Club Kowloon



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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 27 TO VSR 30 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	

Scale at A1	Status	Rev
NTS		

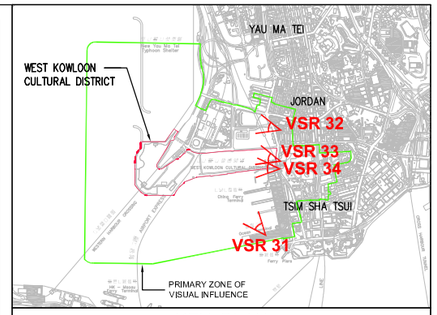
Drawing Number
Figure 10.12g

VSR 31 Ocean Terminal

VSR 32 Kwun Chung Municipal Services Building

VSR 33 Lai Chack Middle School

VSR 34 Canton Road Government Primary School



KEY PLAN

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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 31 TO VSR 34 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

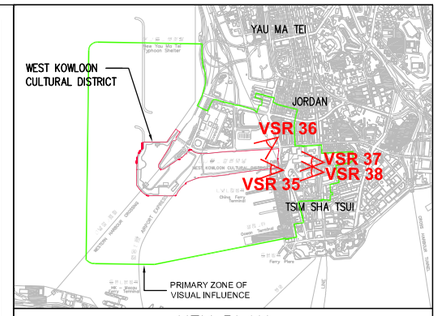
Drawing Number
Figure 10.12h

VSR 35 Kowloon Park (Entrance on Canton Road)

VSR 36 King George V Memorial Park, Kowloon

VSR 37 Heritage Sites Consisting of the Declared Monuments of St. Andrew's Church, Antiques and Monuments Office, and Hong Kong Observatory

VSR 38 Miramar Arcade/ Tower and the Mira Hotel



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

WEST KOWLOON
CULTURAL DISTRICT AUTHORITY

Mott MacDonald
20/F Two Landmark East
100 How Ming Street
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Hong Kong
T +852 2828 5757
F +852 2827 1823
W www.mottmac.com.hk

Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 35 TO VSR 38 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

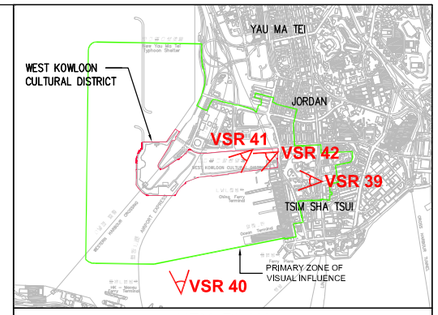
Drawing Number
Figure 10.12i

VSR 39 The One

VSR 40 Travellers on Ferries to/from Central and Tsim Sha Tsui

VSR 41 Travellers along Austin Road West

VSR 42 Travellers along Canton Road



KEY PLAN

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Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

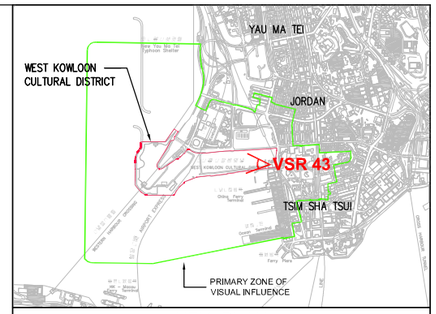
Title

BASELINE VSR 39 TO VSR 42 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number
Figure 10.12j

VSR 43 Tsim Sha Tsui Fire Station



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PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 43 (WKCD)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number

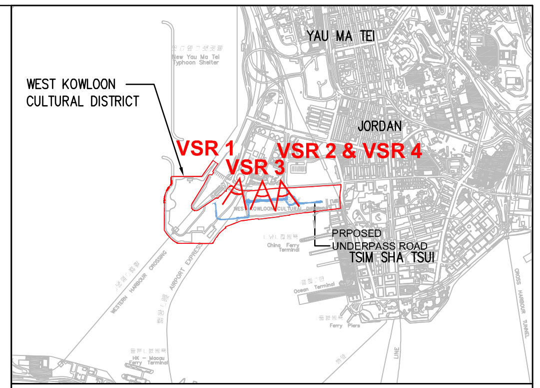
Figure 10.12k

VSR 1 International Commerce Centre (ICC)

VSR 2 The Elements

VSR 3 The Harbourside

VSR 4 The Arch



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

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Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 1 TO VSR 4
(UNDERPASS)

Designed	CC		Eng check	
Drawn	CC		Coordination	
Dwg check	PC		Approved	PL
Scale at A1 NTS		Status		Rev

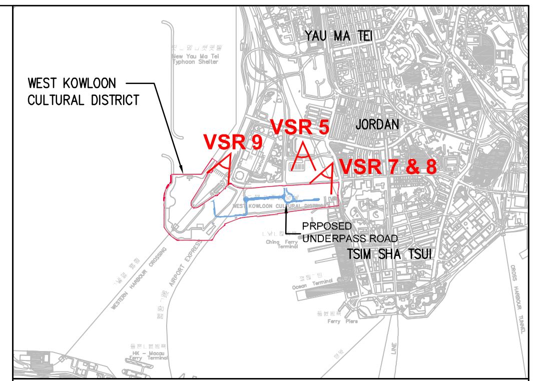
Drawing Number
Figure 14.10.9a

VSR 5 West Kowloon Terminus & VSR 6 Planned CDA Development above West Kowloon Terminus

VSR 7 Austin Station

VSR 8 Planned Residential Development above Austin Station

VSR 9 Travellers Arriving Western Harbour Crossing Toll Plaza



KEY PLAN

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Client

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Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 5 TO VSR 9
(UNDERPASS)

Designed	CC		Eng check	
Drawn	CC		Coordination	
Dwg check	PC		Approved	PL
Scale at A1 NTS		Status		Rev

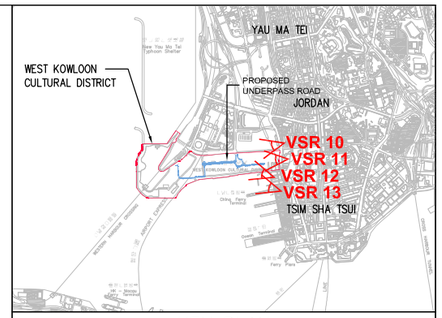
Drawing Number
Figure 14.10.9b

VSR 10 Wai Hang Building

VSR 11 Victoria Tower

VSR 12 China Hong Kong City

VSR 13 Royal Pacific Hotel and Towers



KEY PLAN

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Project

PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 10 TO VSR 13
(UNDERPASS)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

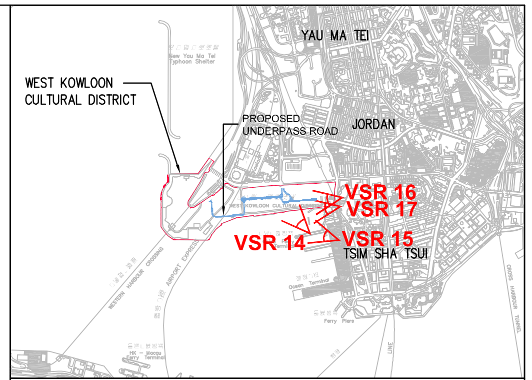
Drawing Number
Figure 14.10.9c

VSR 14 The Gateway Towers

VSR 15 Hong Kong China Ferry Terminal

VSR 16 Lai Chack Middle School

VSR 17 Canton Road Government Primary School



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Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 14 TO VSR 17 (UNDERPASS)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number

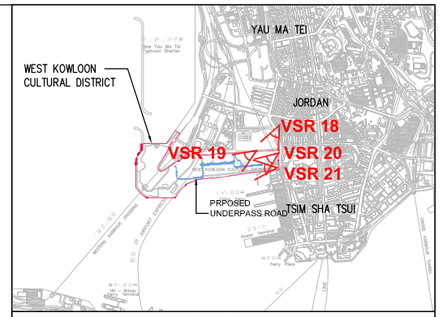
Figure 14.10.9d

VSR 18 King George V Memorial Park, Kowloon

VSR 19 Travellers along Austin Road West

VSR 20 Travellers along Canton Road

VSR 21 Tsim Sha Tsui Fire Station



KEY PLAN

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Project

PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 18 TO VSR 21
(UNDERPASS)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

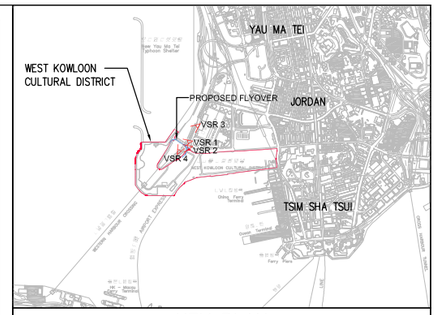
Drawing Number
Figure 14.10.9e

VSR 1 International Commerce Centre (ICC)

VSR 2 The Elements

VSR 3 The Cullinun

VSR 4 Administration Building at West Harbour Crossing



KEY PLAN

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PROJECT CONSULTANCY STUDY FOR
WEST KOWLOON CULTURAL DISTRICT
DEVELOPMENT PLAN

Title

BASELINE VSR 1 TO VSR 4 (FLYOVER)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

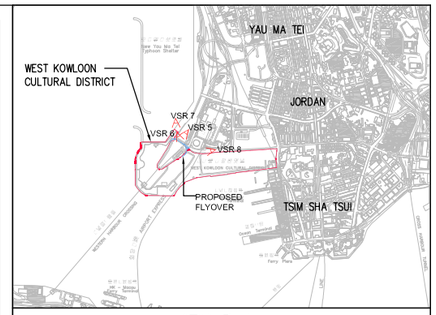
Drawing Number
Figure 15.10.9

VSR 5 Travellers Arriving at West Harbour Crossing Toll Plaza

VSR 6 Travellers at the Footbridge Crossing West Harbour Crossing Toll Plaza

VSR 7 Travellers at Yau Ma Tei Typhoon Shelter

VSR 8 Travellers along Austin Road West



KEY PLAN

Rev	Date	Drawn	Description	Ch'k'd	App'd

Client

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CULTURAL DISTRICT AUTHORITY

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Project

PROJECT CONSULTANCY STUDY FOR WEST KOWLOON CULTURAL DISTRICT DEVELOPMENT PLAN

Title

BASELINE VSR 5 TO VSR 8 (FLYOVER)

Designed	CC		Eng check		
Drawn	CC		Coordination		
Dwg check	PC		Approved	PL	
Scale at A1 NTS		Status		Rev	

Drawing Number
Figure 15.10.10

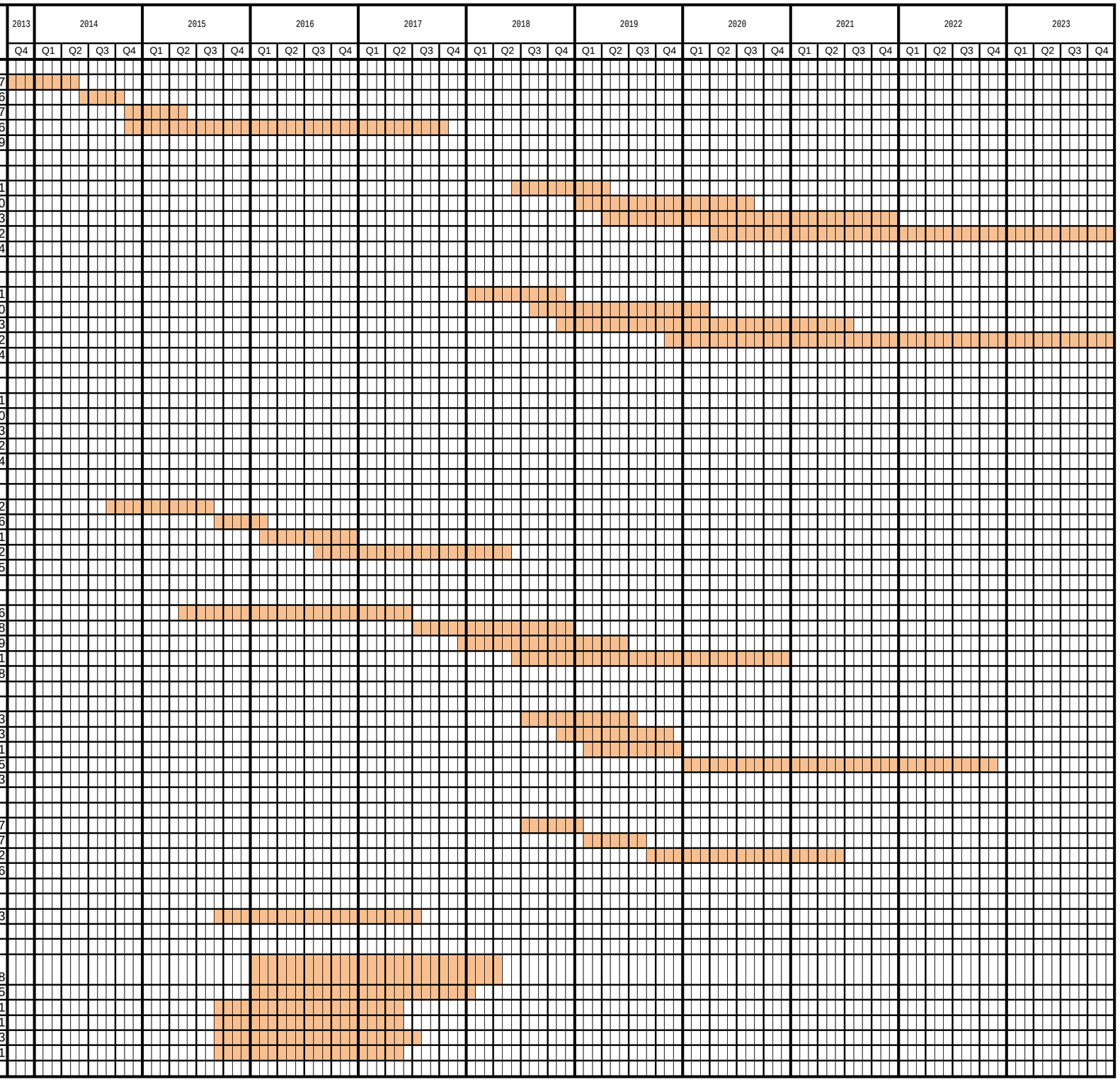
MATERIALAB CONSULTANTS LIMITED
Fugro Development Centre,
5 Lok Yi Street,
17 M.S. Castle Peak Road,
Tai Lam, Tuen Mun, N.T., Hong Kong.
Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Appendix F

Construction Programme

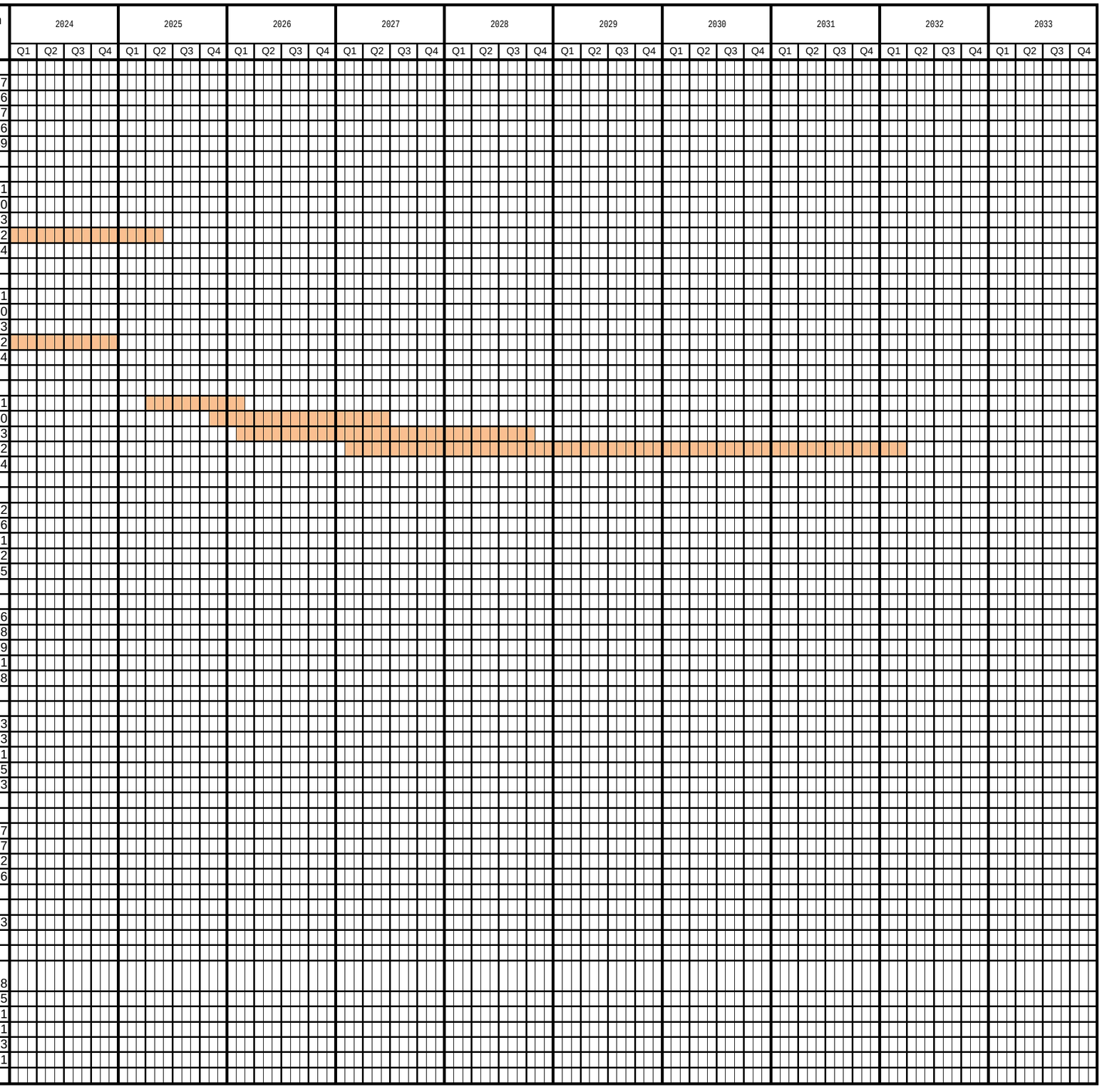
Appendix A - Tentative Construction Programme

Zone	Activity	Start	End	Duration (mth)
1				
	Foundation Works	01/10/2013	05/05/2014	7
	Excavation	05/05/2014	31/10/2014	6
	Basement	01/11/2014	31/05/2015	7
	Superstructure	01/11/2014	31/10/2017	36
	Total			49
2A				
	Foundation Works	01/06/2018	28/04/2019	11
	Excavation	31/12/2018	30/08/2020	20
	Basement	31/03/2019	30/12/2021	33
	Superstructure	31/03/2020	30/05/2025	62
	Total			84
2B				
	Foundation Works	01/01/2018	30/11/2018	11
	Excavation	01/08/2018	31/03/2020	20
	Basement	01/11/2018	31/07/2021	33
	Superstructure	01/11/2019	31/12/2024	62
	Total			84
2C				
	Foundation Works	01/04/2025	27/02/2026	11
	Excavation	01/11/2025	30/06/2027	20
	Basement	01/02/2026	31/10/2028	33
	Superstructure	01/02/2027	31/03/2032	62
	Total			84
3A				
	Foundation Works	25/08/2014	31/08/2015	12
	Excavation	01/09/2015	29/02/2016	6
	Basement	01/02/2016	31/12/2016	11
	Superstructure	01/08/2016	31/05/2018	22
	Total			45
3B				
	Foundation Works	01/05/2015	30/06/2017	26
	Excavation	01/07/2017	31/12/2018	18
	Basement	01/12/2017	30/06/2019	19
	Superstructure	01/06/2018	31/12/2020	31
	Total			68
4				
	Foundation Works	01/07/2018	30/07/2019	13
	Excavation	01/11/2018	30/11/2019	13
	Basement	01/02/2019	31/12/2019	11
	Superstructure	01/01/2020	30/11/2022	35
	Total			53
5				
	Site Formation	01/07/2018	31/01/2019	7
	Foundation Works	01/02/2019	31/08/2019	7
	Superstructure	01/09/2019	30/06/2021	22
	Total			36
Great Park				
	Park Construction	01/09/2015	31/07/2017	23
PIW				
	Austin Pedestrian Linkage Systems	01/01/2016	30/04/2018	28
	Footbridges	01/01/2016	31/01/2018	25
	Drainage & Sewerage	01/09/2015	31/05/2017	21
	Fresh & Salt Water Supply	01/09/2015	31/05/2017	21
	Diversion of Cooling Mains	01/09/2015	31/07/2017	23
	Roadworks	01/09/2015	31/05/2017	21



Appendix A - Tentative Construction Programme

Zone	Activity	Start	End	Duration (mth)
1				
	Foundation Works	01/10/2013	05/05/2014	7
	Excavation	05/05/2014	31/10/2014	6
	Basement	01/11/2014	31/05/2015	7
	Superstructure	01/11/2014	31/10/2017	36
	Total			49
2A				
	Foundation Works	01/06/2018	28/04/2019	11
	Excavation	31/12/2018	30/08/2020	20
	Basement	31/03/2019	30/12/2021	33
	Superstructure	31/03/2020	30/05/2025	62
	Total			84
2B				
	Foundation Works	01/01/2018	30/11/2018	11
	Excavation	01/08/2018	31/03/2020	20
	Basement	01/11/2018	31/07/2021	33
	Superstructure	01/11/2019	31/12/2024	62
	Total			84
2C				
	Foundation Works	01/04/2025	27/02/2026	11
	Excavation	01/11/2025	30/06/2027	20
	Basement	01/02/2026	31/10/2028	33
	Superstructure	01/02/2027	31/03/2032	62
	Total			84
3A				
	Foundation Works	25/08/2014	31/08/2015	12
	Excavation	01/09/2015	29/02/2016	6
	Basement	01/02/2016	31/12/2016	11
	Superstructure	01/08/2016	31/05/2018	22
	Total			45
3B				
	Foundation Works	01/05/2015	30/06/2017	26
	Excavation	01/07/2017	31/12/2018	18
	Basement	01/12/2017	30/06/2019	19
	Superstructure	01/06/2018	31/12/2020	31
	Total			68
4				
	Foundation Works	01/07/2018	30/07/2019	13
	Excavation	01/11/2018	30/11/2019	13
	Basement	01/02/2019	31/12/2019	11
	Superstructure	01/01/2020	30/11/2022	35
	Total			53
5				
	Site Formation	01/07/2018	31/01/2019	7
	Foundation Works	01/02/2019	31/08/2019	7
	Superstructure	01/09/2019	30/06/2021	22
	Total			36
Great Park				
	Park Construction	01/09/2015	31/07/2017	23
PIW				
	Austin Pedestrian Linkage Systems	01/01/2016	30/04/2018	28
	Footbridges	01/01/2016	31/01/2018	25
	Drainage & Sewerage	01/09/2015	31/05/2017	21
	Fresh & Salt Water Supply	01/09/2015	31/05/2017	21
	Diversion of Cooling Mains	01/09/2015	31/07/2017	23
	Roadworks	01/09/2015	31/05/2017	21



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Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Appendix G

Supplementary Information of Choosing Environmental Monitoring Locations

Figure 1) Letter of Rejection from Owners Committee of The Harbourside Tower 1

MTR Corporation Limited
香港鐵路有限公司
www.mtr.com.hk

Premier
MTR

Our ref: HBS/I1.3/2014/538
Date: 25 July 2014

29/F, Tower 6, The Gateway,
9 Canton Road, Tsim Sha Tsui,
Kowloon, Hong Kong

Attention: Mr. Jeremy Stowe

Dear Mr. Stowe,

Re: Air Quality and Noise Impact Baseline Monitoring

We refer to your letter dated 30 June 2014 regarding the air quality and noise impact baseline monitoring for the West Kowloon Cultural District (WKCD) development.

After discussion with Owners Committee, it is objected to carry out the installation of the portable electronic equipment at The Harbourside for the captioned purpose.

Should you have any enquiry, please feel free to contact me at 3122 7500.

Yours sincerely,

Deon Chui
Property Manager

/BQH

Figure 2) Letter of Rejection from Owners Committee of The Arch

MTR Corporation Limited
香港鐵路有限公司

Premier
MTR

Our Ref: ARC-W1.3-2014-699

24 July 2014

West Kowloon Cultural District Authority
29/F, Tower 6, The Gateway
9 Canton Road
Tsim Sha Tsui
Kowloon

Attn: Mr. Rico Lai

Dear Mr. Lai,

WKCD Development - Environmental Monitoring for The Arch

With reference to your application letter dated 30 June 2014 and subsequent telephone conversation between you and our Mr. Barry Yau regarding the captioned matter.

We regret to inform you that your application for placing noise monitoring instruments in The Arch has been discussed and rejected by the Owners' Committee of The Arch in a formal meeting due to various marginal reasons in particular the appearance and harmony of a private premium residential.

Should you have any enquiries, please do not hesitate to contact our Assistant Property Manager, Mr. Barry Yau at 3516 3111.

Yours sincerely,

Kevin Chan
Property Manager
The Arch

KEC/BAY/pyc

凱旋門客務處 香港九龍尖沙咀 柯士甸道西一號 電話 (852) 3516 3111 傳真 (852) 3516 3114
Guest Services Centre - The Arch, 1 Austin Road West, Tsim Sha Tsui, Kowloon, Hong Kong. Tel (852) 3516 3111 Fax (852) 3516 3114

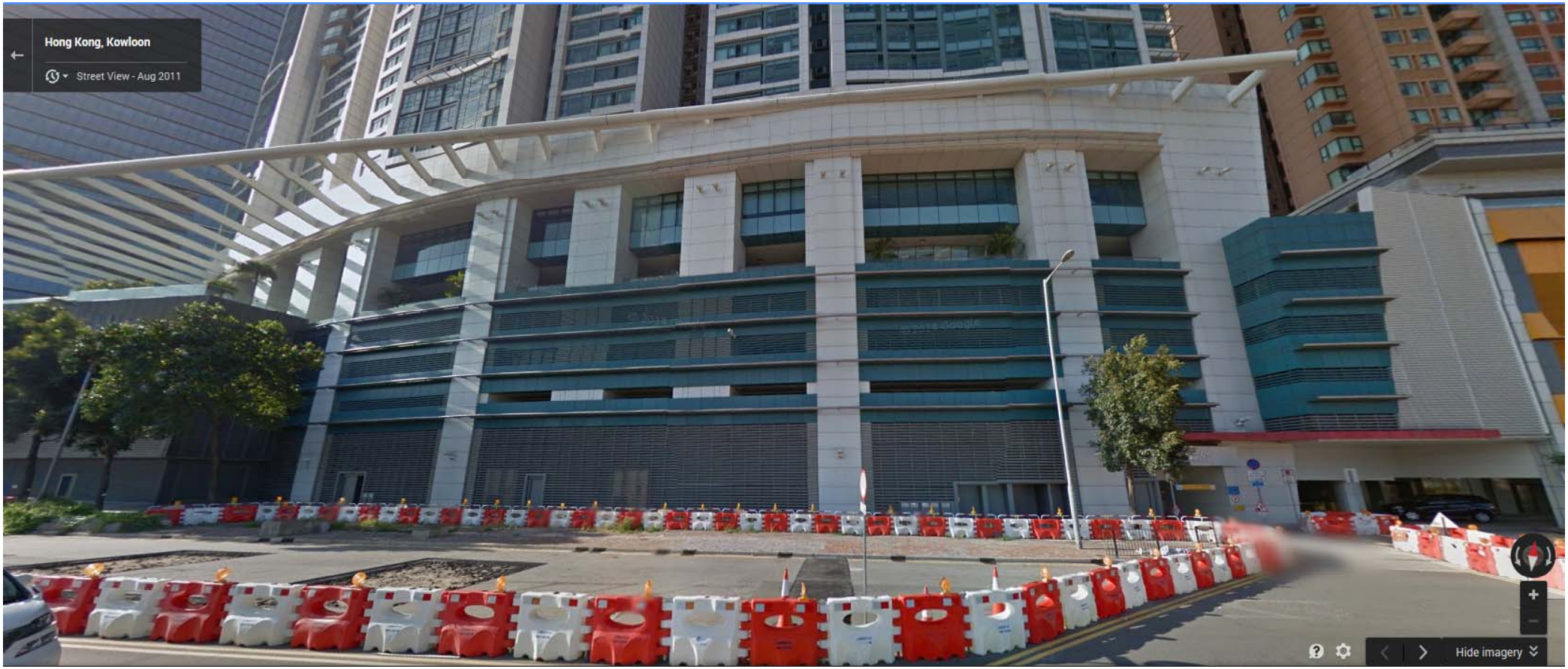

Figure 3) Facade of The Harbourside Tower 1 facing Austin Road

Figure 4) The Arch

Figure 5) Facade of The Arch facing Austin Road

Figure 6) Correspondence with Highways Department

Subject **FW: Enquiry - Mounting noise level meters on Top of Street Lighting Pole along Austin Road West (Case Ref:2-913486775)**

From Brian Tam <brian.tam@wkcda.hk>,
To Wong, Tommy [MCL] <tkwong@fugro.com.hk>,
Date 2015-06-09 11:24

Tommy,

HyD replied our request on 7 May 2015 saying not supporting our proposal. We asked HyD for the reason of now allowing the proposed mounting of sound level meter onto the public lighting lamp post. They replied as below yesterday.

Brian

-----Original Message-----
From: tellme@1823.gov.hk [mailto:tellme@1823.gov.hk]
Sent: Monday, June 08, 2015 12:05 PM
To: Rico Lai
Subject: Enquiry - Mounting noise level meters on Top of Street Lighting Pole along Austin Road West (Case Ref:2-913486775)

08/06/2015

Dear Rico ,

Enquiry - Mounting noise level meters on Top of Street Lighting Pole along Austin Road West (Case Ref: 2-913486775)

Regarding your above case , the Highways Department has replied as follows -

"The proposed mounting of noise level meter onto the public lighting lamp post is not allowed."

If you have any enquiry, please contact us.

Best regards,
Queenie Tang
Customer Service Officer
1823

Tel: 1823
Fax: 2760 1823
Email: tellme@1823.gov.hk
[http://www.westkowloon.hk/media/_source/logo/westkowloon-logo.png]
Sign up for our e-newsletter to get the latest news about the West Kowloon Cultural District www.westkowloon.hk/subscribe<http://www.westkowloon.hk/subscribe>
Be our fans on facebook<http://www.facebook.com/westkowloon> and follow us on Twitter<http://www.twitter.com/wkcda>

"E-mail Disclaimer :This e-mail and any attachment to it is issued by the West Kowloon Cultural District Authority (WKCDA), and is confidential, intended for the recipient (s) only and shall not be copied or disclosed without WKCDA's prior approval; it should be handled with care, kept confidential and not be used for any purpose unconnected with the WKCDA . If this e-mail has been sent to you by mistake, please inform us immediately by reply e-mail and then delete the e-mail, destroy any printed copy and do not disclose or use the information in it.

Dear Government (1823) / Customer Service Officer (Alley Chung),

Please advise the reason for "not supporting" the mounting of noise measurement device onto the existing street lamp pole, which is requested by the Environmental Protection Department whom we are liaising for our project works currently.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

-----Original Message-----
From: hydenquiry@1823.gov.hk [mailto:hydenquiry@1823.gov.hk]
Sent: Thursday, May 07, 2015 3:33 PM
To: Rico Lai
Subject: Enquiry - Mounting noise level meters on Top of Street Lighting Pole along Austin Road West (Case Re

07/05/2015

Dear Rico,

Enquiry - Mounting noise level meters on Top of Street Lighting Pole along Austin Road West (Case Ref: 2-913486775)

Regarding your above case, the Highways Department has replied as follow:-

"I regret that the proposed mounting of noise level meter to our lighting column is not supported."

If you have any enquiry, please contact us.

Best regards,
Alley Chung
Customer Service Officer
1823

Tel: 1823
Fax: 2760 1823
Email: tellme@1823.gov.hk

Figure 7) Correspondence with International Commerce Center

From: "Rico Lai" <rico.lai@wkcda.hk>
To: "Hui Sze Yan Dakki" <dakkihui@kaishing.com.hk>
Cc: "Lam Yu Hin Lewis" <lewislam@kaishing.com.hk>; "Leung Chi Fai Patrick" <patrickleung@kaishing.com.hk>
Sent: Tuesday, May 26, 2015 3:19 PM
Subject: RE: West Kowloon Cultural District - Feasibility for placing Noise Level Meter at International Commerce Center (ICC) external area

Dear Dakki,

We spoke this morning further to my email sent in April or below.

We acknowledge that road repair and other construction works are still being carried out at the podium of ICC and agreement cannot be reached for the proposed monitoring works so far.

Anyway, we are pleased to hear from your update in the future.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

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From: Rico Lai
Sent: Monday, April 20, 2015 12:04 PM
To: 'Hui Sze Yan Dakki'
Cc: Lam Yu Hin Lewis; Leung Chi Fai Patrick
Subject: West Kowloon Cultural District - Feasibility for placing Noise Level Meter at International Commerce Center (ICC) external area

Dear Dakki,

We spoke. Another Consultant, Mott Macdonald, has not carried out baseline monitoring (at least 7 day consecutive measurement) at ICC area that any data they're collecting is not useful to us.

As our intended noise monitoring within The Harbourside's and The Arch's property areas are declined by the occupants, Environmental Protection Department (EPD) of Government has requested the West Kowloon Cultural District Authority (WKCDA) to seek advice from your property, International Commerce Center (ICC), for allowing us to implement the noise monitoring work alternatively.

The noise monitoring work is composed of (i) Baseline Monitoring; and (ii) Impact Monitoring. Baseline monitoring should be carried out daily continuously for during 07:00am - 19:00 and/or 19:00 - 07:00am for a period of at least 14 days. Fixed set of sound level meter will be installed within your

property area, preferably at high level of the building or another location agreed collaboratively. The sound collection devices of the sound level meter should not be sheltered and screened by external walls or façade such that we prefer putting it on the exterior face of the building. The sound level meter and its accessories should not be disturbed by human activities, other traffic movement and no noisy work should be carried out in the proximity during the monitoring because it will adversely influence the background noise level to be measured. Ideally, a 2m x 2m working space approximately is required to be provided, secured properly and isolated for installing and placing the monitoring equipment during the monitoring. A power socket (normal 220V) is preferably provided.

Impact monitoring (weekly measurement) will be carried out after baseline monitoring has completed. The details of the monitoring can be discussed at later stage.

We acknowledge that your current road repair works at ICC's podium will last to end-May/June 2015. Please advise if it's fine to allow us to carry out noise measurement at any time agreed together.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

Figure 8) Correspondence with MTR

From: "MAK William Chi Kei (麥志基)" <WMAK@mtr.com.hk>
To: "Rico Lai" <rico.lai@wkcda.hk>
Sent: Tuesday, April 21, 2015 12:03 PM
Subject: RE: West Kowloon Cultural District - Proposed Noise Level Meter inside WKT's Site at Austin Road West

Dear Rico,

Since the works area at ARW is limited and XRL has extensive construction activities there. We cannot afford space for your below request.

Regards,
William Mak

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, April 20, 2015 14:47
To: MAK William Chi Kei (麥志基)
Subject: West Kowloon Cultural District - Proposed Noise Level Meter inside WKT's Site at Austin Road West

Dear William,

As requested by Environmental Protection Department (EPD), an alternative noise level measuring method by placing a lifting crane inside the WKT's Site at Austin Road West and raising the noise level meter at high level to measure the background noise level for WKCD development is suggested. Location can refer to the attached photo. Initial stage of measurement may take about 7 to 14 days to form the background noise level. Later on, weekly measurement is required to for impact monitoring.

Please advise if MTR can allow for such method inside the WKT's Site.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

used for any purpose unconnected with the WKCDA . If this e-mail has been sent to you by mistake, please inform us immediately by reply e-mail and then delete the e-mail, destroy any printed copy and do not disclose or use the information in it. There is no warranty that this e-mail is virus free and we will not accept any liability for any loss or damage that may arise from the receipt or use of any e-mail from us."

MTR - caring for life's journeys

Figure 9) Correspondence with The Harbourside

From: "CHUI Deon Yau Han (徐幼嫻)" <DEONCHUI@mtr.com.hk>
To: "Rico Lai" <rico.lai@wkcda.hk>
Cc: "KWOK Joe Chun Wai (郭駿偉)" <CWKWOK@mtr.com.hk>
Sent: Monday, April 27, 2015 9:37 AM
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico,

Please be informed that our OC objected to carry out the installation of the captioned equipment in The Harbourside.

Regards,
Deon

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, April 20, 2015 11:51 AM
To: CHUI Deon Yau Han (徐幼嫻)
Cc: KWOK Joe Chun Wai (郭駿偉)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Deon,

Having requested by Environmental Protection Department (EPD), we would like to seek your OC's permission again for our proposed noise level measurement at your property. Exact date of measurement, if permitted, will be confirmed.

Please call me at 2200-0791 for any queries. Thanks.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

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From: CHUI Deon Yau Han (徐幼嫻) [mailto:DEONCHUI@mtr.com.hk]
Sent: Friday, July 18, 2014 2:44 PM
To: Rico Lai
Cc: KWOK Joe Chun Wai (郭駿偉)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico,

Please be informed that our OC objected to carry out the installation of the captioned equipment in The Harbourside.

Regards,
Deon

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Wednesday, July 16, 2014 4:29 PM
To: CHUI Deon Yau Han (徐幼嫻)
Cc: KWOK Joe Chun Wai (郭駿偉)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Deon,

For the questions, please note my response:-

- details of how the equipment is installed - **(The equipment is simply placed on the floor and removable. The total height is not more than 1.5m)**
- how your staff access into the property for collection of data **(The laboratory technician has to access through the entrance gate and reception of the property for data collection with aid of the Management Office.)**
- how long the equipment be placed **(The monitoring station will be placed for 14-16 days continuously.)**

Anyway, please help to get a final reply whether the work is permitted to carry out.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District
西九文化區管理局
West Kowloon Cultural District Authority
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

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From: CHUI Deon Yau Han (徐幼嫻) [mailto:DEONCHUI@mtr.com.hk]
Sent: Wednesday, July 16, 2014 2:48 PM
To: Rico Lai
Cc: KWOK Joe Chun Wai (郭駿偉)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico

As spoken, there is member objected the installation while other member questioned for

- details of how the equipment is installed
- how your staff access into the property for collection of data
- how long the equipment be placed

regards,
Deon

From: CHUI Deon Yau Han (徐幼嫻)
Sent: Monday, June 30, 2014 5:07 PM
To: Rico Lai
Cc: KWOK Joe Chun Wai (郭駿偉)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico

Per our conversation, your team (approx. 5 person) would like to visit our podium area at 1530, 3 July. Please contact our SM Joe Kwok at 31227500 or 96015854 for any arrangement. For the installation of monitoring equipment, we shall wait for the confirmation of OC members.

Regards,
Deon

From: CHUI Deon Yau Han (徐幼嫻)
Sent: Monday, June 30, 2014 4:13 PM
To: 'Rico Lai'
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico,

Well received your formal submission. I will seek for OC's comments with your provided information.

Regards,
Deon

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, June 30, 2014 4:01 PM
To: CHUI Deon Yau Han (徐幼嫻)
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Deon,

Attached pls. find our letter request. Formal copy will be sent to your office later.

Please help to get permission from your OC.

Urgent. Thanks.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District Authority
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

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From: Rico Lai
Sent: Friday, June 27, 2014 4:38 PM
To: 'CHUI Deon Yau Han (徐幼嫻)'
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Deon,

Shall we meet next Wednesday, 3 July 2014, at 3:15pm ? Our Consultant would like to talk a look for placing the monitoring equipment and the monitoring work is expected to start in July 2014.

Please give me a call at 2200-0791 / 9077-7731 if you have time. Thanks.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District Authority
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

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From: CHUI Deon Yau Han (徐幼嫻) [mailto:DEONCHUI@mtr.com.hk]
Sent: Monday, April 14, 2014 5:38 PM
To: Rico Lai
Subject: RE: WKCD Development - Environmental Monitoring for The Harbourside

Dear Rico,

Well received your submission. As spoken, I will share your detail information with provided plan to our OC

members for reference and get back to you if there is no adverse comments from members.

Regards,
Deon

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, April 14, 2014 2:51 PM
To: CHUI Deon Yau Han (徐幼嫻)
Subject: WKCD Development - Environmental Monitoring for The Harbourside

Dear Deon,

We spoke.

For the West Kowloon Cultural District (WKCD) Development, some environmental monitoring work for Air Quality and Noise is required to be implemented by the Authority (West Kowloon Cultural District Authority, WKCDA) before the commencement of infrastructure construction. These environmental monitoring is also required by the Environmental Protection Department (EPD) of the Government.

Therefore, we would like to request access to your Property (podium level near Tower 1) for carrying out the **Air Quality and Noise level** measurement in the following frequency and time:

1. **Baseline monitoring – In June 2014 for 14 consecutive days, 24 hours monitoring.**
2. Regular monitoring – From August 2014 onward, once every week/two weeks. Actual frequency to be confirmed later.

Some photos are attached to show you the monitoring equipment to be used. For more details and works arrangement, please call me at either 2200-0791 / 9077-7731.

Thanks.

Rico
Project Manager
Project Delivery Department
西九文化區管理局
West Kowloon Cultural District Authority
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

Figure 10) Correspondence with The Arch

From: "YAU Barry Tung (邱東)" <barryyau@mtr.com.hk>
To: "Rico Lai" <rico.lai@wkcda.hk>
Cc: "CHAN Kevin Chi Fong (陳子峯)" <CHIFONG@mtr.com.hk>
Sent: Tuesday, April 21, 2015 6:25 PM
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Rico,

Please be informed that we cannot accede your request as it was rejected by the Owners' Committee of The Arch.

Regards
Barry Yau
Assistant Property Manager
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114 / Email: barryyau@mtr.com.hk

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, April 20, 2015 12:21 PM
To: YAU Barry Tung (邱東)
Cc: CHAN Kevin Chi Fong (陳子峯)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Barry,

For protection to your OC's interest, it's good to have a noise level measurement, as a background, in my opinion.

Please consider.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

---

From: YAU Barry Tung (邱東) [mailto:barryyau@mtr.com.hk]
Sent: Monday, April 20, 2015 12:16 PM
To: Rico Lai
Cc: CHAN Kevin Chi Fong (陳子峯)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Rico,

Please provide additional reasons to support your request. Thx

Regards
Barry Yau
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114 / Email: barryyau@mtr.com.hk

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Monday, April 20, 2015 11:53 AM
To: CHAN Kevin Chi Fong (陳子峯)
Cc: YAU Barry Tung (邱東)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Kevin,

Having requested by Environmental Protection Department (EPD), we would like to seek your OC's permission again for our proposed noise level measurement at your property. Exact date of measurement, if permitted, will be confirmed.

Please call me at 2200-0791 for any queries. Thanks.

Rico
Project Manager
Project Delivery Department
WEST KOWLOON CULTURAL DISTRICT AUTHORITY
Direct Tel: 2200 0791 |Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

---

From: YAU Barry Tung (邱東) [mailto:barryyau@mtr.com.hk]
Sent: Tuesday, July 15, 2014 6:02 PM
To: Rico Lai
Cc: CHAN Kevin Chi Fong (陳子峯)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Mr. Lai,

We regret to inform you that your application for placing noise monitoring instruments in our Estate was rejected by the Owners' Committee of The Arch in a formal meeting due to numerous marginal reasons in particular the harmony of a private premium estate.

Regards
Barry Yau
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114 / Email: barryyau@mtr.com.hk

From: Rico Lai [mailto:rico.lai@wkcda.hk]

Sent: Monday, June 30, 2014 4:03 PM
To: YAU Barry Tung (邱東)
Cc: CHAN Kevin Chi Fong (陳子峯)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Barry,

Attached pls. find our letter request for the environmental monitoring work. Formal copy will be sent to your office later.

Please help to get your OC permission for our monitoring work. Thanks.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District Authority
西九文化區管理局
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

---

From: YAU Barry Tung (邱東) [mailto:barryyau@mtr.com.hk]
Sent: Monday, June 30, 2014 10:51 AM
To: Rico Lai
Cc: CHAN Kevin Chi Fong (陳子峯)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Rico,

Please be informed that your application was proposed to be discussed at the OC meeting in the mid of July. Therefore, prior to approval by OC, your visit for the captioned purpose would be not appropriate at this moment.

Regards
Barry Yau
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114 / Email: barryyau@mtr.com.hk

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Friday, June 27, 2014 4:40 PM
To: YAU Barry Tung (邱東)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Barry,

Shall we meet next Wednesday, 3 July 2014, at 3:30pm ? Our Consultant would like to talk a look for placing the monitoring equipment and the monitoring work is expected to start in July 2014.

Please give me a call at 2200-0791 / 9077-7731 if you have time. Thanks.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District Authority
西九文化區管理局
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

---

From: YAU Barry Tung (邱東) [mailto:barryyau@mtr.com.hk]
Sent: Tuesday, April 15, 2014 5:05 PM
To: Rico Lai
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Rico,

Will enquiring all parties and reply to you in due course.

Regards
Barry Yau
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114 / Email: barryyau@mtr.com.hk

From: Rico Lai [mailto:rico.lai@wkcda.hk]
Sent: Tuesday, April 15, 2014 5:02 PM
To: YAU Barry Tung (邱東)
Subject: RE: WKCD Development - Environmental Monitoring for The Arch

Dear Barry,

Method Statement for carrying out the monitoring and installation of the noise measuring equipment will be provided in May 2014 when my Contractor is on-board. In advance, you may refer to the attachment for an idea of the equipment.

So, actual location of placing the equipment is flexible and be agreed at later stage. I would like to seek your and OC's no objection for our intended monitoring work at this stage.

Thanks.

Rico
Project Manager
Project Delivery Department

West Kowloon Cultural District Authority

Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

---

From: YAU Barry Tung (邱東) [mailto:barryyau@mtr.com.hk]
Sent: Tuesday, April 15, 2014 4:47 PM
To: Rico Lai
Subject: FW: WKCD Development - Environmental Monitoring for The Arch

Dear Rico,

Please provide method statement of installation for the instrument of noise measurement.

Regards
Barry Yau
The Arch Guest Service Centre
Tel: 3516 3111 / Fax: 3516 3114

---------- Forwarded message ----------
From: **Rico Lai** <rico.lai@wkcda.hk>
Date: 2014-04-14 15:56 GMT+08:00
Subject: WKCD Development - Environmental Monitoring for The Arch
To: "archgsc@mtrchome.com" <archgsc@mtrchome.com>

Dear Barry Yau,

We spoke.

For the West Kowloon Cultural District (WKCD) Development, some environmental monitoring work for Noise is required to be implemented by the Authority (West Kowloon Cultural District Authority, WKCDA) before the commencement of infrastructure construction. These environmental monitoring is also required by the Environmental Protection Department (EPD) of the Government.

Therefore, we would like to request access to your Property (Sun Tower) for carrying out the Noise level measurement in the following frequency and time:

1. Baseline monitoring - In June 2014 for 14 consecutive days, 24 hours monitoring.

2. Regular monitoring - From August 2014 onward, once every week/two weeks. Actual frequency to be confirmed later.

Some photos are attached to show you the monitoring equipment to be used. For more details and works arrangement, please call me at either 2200-0791 / 9077-7731.

Thanks.

Rico
Project Manager
Project Delivery Department
West Kowloon Cultural District
西九文化區管理局
West Kowloon Cultural District Authority
Direct Tel: 2200 0791 | General Line: 2200 0000 | Fax: 2895 0016
Address: 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong

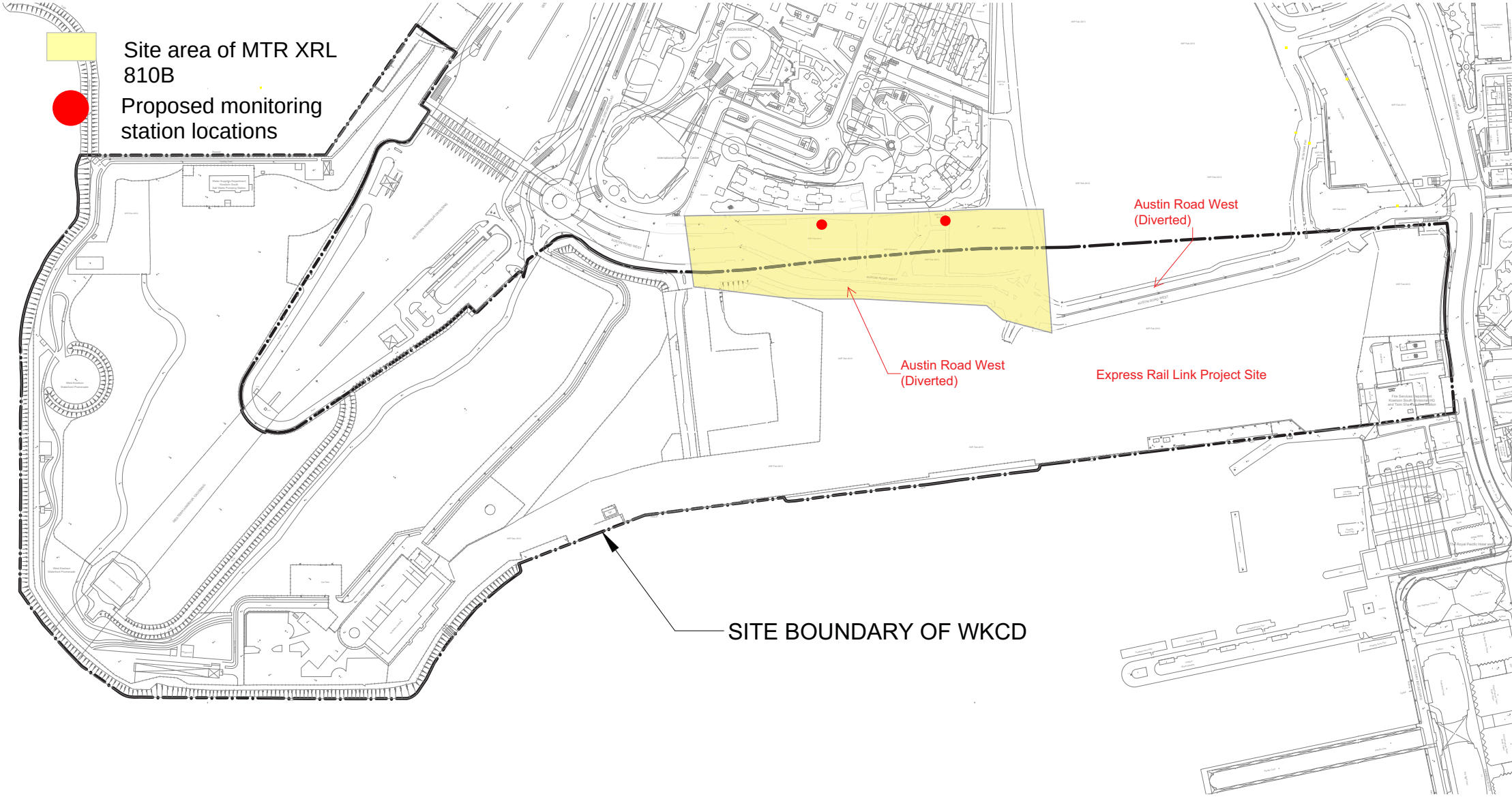


Fig. 11) Proposed noise monitoring station location at MTR XRL 810B Construction Site

MATERIALAB CONSULTANTS LIMITED
Fugro Development Centre,
5 Lok Yi Street,
17 M.S. Castle Peak Road,
Tai Lam, Tuen Mun, N.T., Hong Kong.
Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Report No.: 0125/14/ED/0056G

Appendix H

Supporting Documents for Referencing Baseline Monitoring Report of Hong Kong Section of Guangdong-Shenzhen-Hong Kong Express Rail Link

MATERIALAB CONSULTANTS LIMITED
Fugro Development Centre,
5 Lok Yi Street,
17 M.S. Castle Peak Road,
Tai Lam, Tuen Mun, N.T., Hong Kong.
Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Report No.: 0125/14/ED/0056G

Correspondences with MTR

From: "CHAU Michelle Choi Mei (???)" <MICHELLE@mtr.com.hk>
To: "Brian Tam" <brian.tam@wkcda.hk>
Cc: "Rico Lai" <rico.lai@wkcda.hk>; "KWAN Richard Kin Yan (關健恩)" <rkykwan@mtr.com.hk>
Sent: Thursday, May 21, 2015 9:25 AM
Subject: RE: Baseline Noise Monitoring for WKCD

Dear Brian,

We have no objection for WKCD project to make reference to our baseline monitoring data as the information is available on the public domain.

Thanks.

Regards,
Michelle Chau

From: Brian Tam [mailto:brian.tam@wkcda.hk]
Sent: Wednesday, 20 May, 2015 16:04
To: CHAU Michelle Choi Mei (周采薇)
Cc: Rico Lai
Subject: Baseline Noise Monitoring for WKCD

Dear Michelle,

Recently we had a meeting with EPD discussing our baseline monitoring report which was submitted to EPD sometime ago. According to the WKCD EM&A manual, two noise monitoring stations are located at "Sun Tower of The Arch" and "Tower 1 of The Harbourside", both of which are on the Kowloon Station podium.

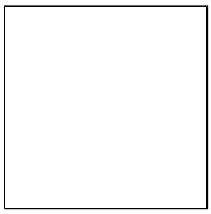
Because the access to both residential premises were denied by corresponding occupant committees, the baseline noise monitoring could not be achieved. Since alternative baseline noise monitoring locations could not be found, EPD suggested that we may have to make reference to the measured background noise levels from XRL project, which is adjacent to WKCD. If we opt for this, we have to adopt the measured background noise level of XRL baseline report instead of carrying out noise monitoring.

Although the baseline report of XRL is available on public domain, I think it is also appropriate for us to obtain your consent if we do so.

It would be grateful if you let us have your reply or any comment. If you have any question, please feel free to call me.

Best regards,

Brian Tam
Direct (852) 2200 0059
Tel (852) 2200 0000
Fax (852) 2895 0016
Email brian.tam@wkcda.hk
Website www.westkowloon.hk
Address 29/F, Tower 6, The Gateway, 9 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong



Sign up for our e-newsletter to get the latest news about the West Kowloon Cultural District
www.westkowloon.hk/subscribe
Be our fans on facebook and follow us on Twitter

MTR - caring for life's journeys

MATERIALAB CONSULTANTS LIMITED
Fugro Development Centre,
5 Lok Yi Street,
17 M.S. Castle Peak Road,
Tai Lam, Tuen Mun, N.T., Hong Kong.
Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

Report No.: 0125/14/ED/0056G

Annual Traffic Census
2010 and 2013

Appendix C - AADT of Counting Stations - ordered by Road Names

Road Name	From	To	Stn. No.	Road Type	Stn. Type	AADT 2009	AADT 2010	Change of 2010 as % of 2009
Austin Rd	Cox's Rd	Chatham Rd S	3013	DD	A	34,500	34,900	+1.1
Austin Rd	Nathan Rd	Cox's Rd	3646	DD	C	26,740 *	25,960	-2.9
Austin Rd W	Lin Cheung Rd	Canton Rd	3710	PD	C	-	10,090	-
Austin Rd W	Lin Cheung Rd	Nga Cheung Rd	4094	PD	C	13,320 *	13,250 *	-0.5
Bailey St	Ma Tau Wai Rd	Hung Hom Rd	3887	DD	C	13,500 *	13,920 *	+3.1
Barker Rd	Old Peak Rd	Peak Rd	2602	LD	C	1,280	1,220	-3.9
Beach Rd	Repulse Bay Rd	South Bay Rd	2603	LD	C	1,850	2,010	+8.7
Belcher's St	Sands St	Queen's Rd W	1012	DD	A	9,240	9,040	-2.1
Belcher's St	Smithfield Rd	Sands St	2025	DD	C	16,320 *	16,250 *	-0.4
Belcher's St & Victoria Rd	Smithfield Rd	Mount Davis Rd	2206	DD	B	6,310	6,660	+5.6
Belfran Rd	Knight St	End	4602	LD	C	380	420	+10.0
Bisney Rd	Pok Fu Lam Rd	Consort Rise	2604	LD	C	3,020	2,950	-2.4
Blue Pool Rd	Sing Woo Rd	Tai Hang Rd	1453	DD	C	15,040	14,740	-2.0
Bonham Rd	Park Rd	Seymour Rd	1228	DD	C	8,620	8,590 *	-0.4
Bonham Rd	Pok Fu Lam Rd	Park Rd	1428	DD	C	16,780	16,650	-0.8
Borrett Rd	Kennedy Rd	End	2605	LD	C	5,610	5,430	-3.2
Boundary St	Embankment Rd	Knight St	3637	PD	C	52,790 *	46,740	-11.5
Boundary St	Knight St	Waterloo Rd	3830	PD	C	43,490 *	43,590 *	+0.2
Boundary St	Lai Chi Kok Rd	Tai Kok Tsui Rd	3860	DD	C	11,170 *	11,290 *	+1.0
Boundary St	Nathan Rd	Lai Chi Kok Rd	4025	PD	C	18,290 *	18,340 *	+0.2
Boundary St	Nathan Rd	Sai Yee St	3232	PD	C	27,880	27,950 *	+0.2
Boundary St	Sai Yee St	Tai Hang Tung Rd	3435	PD	C	33,930	35,430	+4.4
Boundary St	Tai Hang Tung Rd	Embankment Rd	4202	PD	B	44,310	44,750	+1.0
Boundary St	Waterloo Rd	La Salle Rd	4026	PD	C	29,800 *	30,730 *	+3.1
Boundary St & FO <K11A>	La Salle Rd	Junction Rd	3233	PD	C	27,190	28,030 *	+3.1
Braemar Hill Rd	Tin Hau Temple Rd	Cloud View Rd	1862	LD	C	11,490 *	11,450 *	-0.4
Brair Ave	Blue Pool Rd	Green Lane	2606	LD	C	560	520	-6.8
Bride's Pool Rd	Ting Kok Rd	Luk Keng Rd	6601	LD	C	900	820	-9.8
Bulkeley St	Whampoa St	Dock St	4603	LD	C	4,360	4,230	-2.8
Butterfly Valley Rd	Butterfly Valley INT	Castle Peak Rd	3432	PD	C	14,210	14,460	+1.7
Butterfly Valley Rd	Cheung Sha Wan Rd	Castle Peak Rd	3229	PD	C	18,070	17,980 *	-0.5
Butterfly Valley Rd	Lai Chi Kok Rd	Cheung Sha Wan Rd	4022	PD	C	26,650 *	26,510 *	-0.5
Caine Rd	Aberdeen St	Arbuthnot Rd	1229	DD	C	11,660	11,620 *	-0.4
Caine Rd	Seymour Rd	Aberdeen St	1013	DD	A	12,420	12,190	-1.9
Canal Rd E	Hennessy Rd	Sharp St E	1240	DD	C	2,210	2,200 *	-0.4

*** AADT estimated by Growth Factor**

Appendix C - AADT of Counting Stations - ordered by Road Names

Road Name	From	To	Stn. No.	Road Type	Stn. Type	AADT 2009	AADT 2010	Change of 2010 as % of 2009
Leighton Rd	Canal Rd E	Wong Nai Chung Rd	1847	DD	C	33,690 *	33,550 *	-0.4
Leighton Rd	Irving St	Percival St	2036	DD	C	19,200 *	19,120 *	-0.4
Leighton Rd	Morrison Hill Rd	Canal Rd E	1631	DD	C	35,150 *	43,010	+22.4
Leighton Rd	Tung Lo Wan Rd	Irving St	1414	PD	C	24,260	23,190	-4.4
Leighton Rd	Wong Nai Chung Rd	Percival St	2035	DD	C	31,770 *	31,640 *	-0.4
Leung Tin Lane	Ping Tin St	Tak Tin St	3694	LD	C	3,900 *	4,560	+16.7
Lin Cheung Rd	Cherry St	Yau Ma Tei INT	3026	UT	A	15,310	20,540	+34.2
Lin Cheung Rd	Jordan Rd	Wui Cheung Rd	4093	UT	C	28,970 *	28,820 *	-0.5
Lin Cheung Rd	Wui Cheung Rd	Austin Rd W	3298	UT	C	13,930	13,860 *	-0.5
Lin Cheung Rd	Yau Ma Tei INT	Cherry St Underpass	3025	UT	A	13,280	13,520	+1.8
Lin Cheung Rd	Yen Chow St	Hoi Fat Rd	3709	UT	C	-	13,660	-
Lin Shing Rd	Wan Tsui Rd	Cape Collision Rd	2401	LD	B	2,490	2,500	+0.4
Lin Tak Rd	Tak Tin St	Tseung Kwan O Rd	4086	DD	C	13,650 *	14,070 *	+3.1
Ling Hong Rd	Po Hong Rd	Po Shun Rd	6105	DD	C	2,710 *	2,680 *	-1.1
Lion Rock Tunnel	Toll Plaza	South Portal	5024	UT	A	85,240	87,470	+2.6
Lion Rock Tunnel Rd	Che Kung Miu Rd	Sha Tin Rd	5215	PD	C	9,940	10,380 *	+4.4
Lion Rock Tunnel Rd	Hung Mui Kuk Rd	Lion Rock Tunnel	5607	UT	C	83,350 *	82,230	-1.4
Lion Rock Tunnel Rd	Hung Mui Kuk Rd	Sha Tin Rd	5405	UT	C	76,360	71,970	-5.8
Lion Rock Tunnel Rd	Tai Po Rd - Shatin	Che Kung Miu Rd	6015	PD	C	17,400 *	18,160 *	+4.4
Lo Wai Rd	Cheung Pei Shan Rd	Slip rd to Tung Po To	5851	LD	C	3,150 *	3,280 *	+4.0
Lockhart Rd	Arsenal St	Percival St	1020	LD	A	17,210	16,550	-3.8
Lok King St	Fo Tan Rd	Jubilee Garden	5853	LD	C	9,390 *	9,460 *	+0.7
Lok Ma Chau Rd	Castle Peak Rd	Ha Wan Tsuen Rd	5861	RR	C	5,240 *	5,290 *	+0.9
Lok Sin Rd	Tung Tsing Rd	Choi Hung Rd	4052	DD	C	5,290 *	5,340 *	+1.0
Lok Sin Rd	Tung Tsing Rd	Tak Ku Ling Rd	3489	LD	C	9,360	9,010	-3.7
Lok Yip Rd	Jockey Club Rd	On Kui St	6043	DD	C	21,880 *	22,080 *	+0.9
Lok Yip Rd	On Kui St	Sha Tau Kok Rd - Lung Yuek Tau	5455	DD	C	14,810	14,000	-5.5
Lomond Rd	Argyle St	Prince Edward Rd W	3265	DD	C	14,060	14,490 *	+3.1
Long Ping Rd	Fung Chi Rd	Long Ping Rd INT	5285	DD	C	15,500	15,650 *	+0.9
Long Tin Rd	Tong Yan San Tsuen INT	Tin Fuk Rd	6085	PD	C	36,320 *	37,250 *	+2.6
Long Yip St & Yuen Long On Lok Rd	Castle Peak Rd - Yuen Long	Tai Cheung St	5208	PD	C	29,670	30,430 *	+2.6

*** AADT estimated by Growth Factor**

Appendix C - AADT of Counting Stations - ordered by Road Names

Road Name	From	To	Stn. No.	Road Type	Stn. Type	AADT 2012	AADT 2013	Change of 2013 as % of 2012
Austin Rd	Canton Rd	Nathan Rd	3445	DD	C	36,910 *	36,590 *	-0.9
Austin Rd	Cox's Rd	Chatham Rd S	3013	DD	A	33,210	32,460	-2.3
Austin Rd	Nathan Rd	Cox's Rd	3646	DD	C	24,550 *	24,340 *	-0.9
Austin Rd W	Lin Cheung Rd	Canton Rd	3710	PD	C	14,930 *	15,230 *	+2.0
Austin Rd W	Lin Cheung Rd	Nga Cheung Rd	4094	PD	C	14,310	12,080	-15.6
Bailey St	Ma Tau Wai Rd	Hung Hom Rd	3887	DD	C	14,180	13,820 *	-2.5
Barker Rd	Old Peak Rd	Peak Rd	2602	LD	C	1,110	1,320	+19.5
Beach Rd	Repulse Bay Rd	South Bay Rd	2603	LD	C	2,060	1,840	-10.9
Belcher's St	Sands St	Queen's Rd W	1012	DD	A	8,460	8,260	-2.3
Belcher's St	Smithfield Rd	Sands St	2025	DD	C	17,190	17,620	+2.5
Belcher's St & Victoria Rd	Smithfield Rd	Mount Davis Rd	2206	DD	B	6,780	8,770	+29.4
Belfran Rd	Knight St	End	4602	LD	C	380	390	+1.3
Bisney Rd	Pok Fu Lam Rd	Consort Rise	2604	LD	C	3,060	3,280	+7.1
Blue Pool Rd	Sing Woo Rd	Tai Hang Rd	1453	DD	C	14,430 *	14,240 *	-1.3
Bonham Rd	Park Rd	Seymour Rd	1228	DD	C	8,410 *	7,830	-6.9
Bonham Rd	Pok Fu Lam Rd	Park Rd	1428	DD	C	16,310 *	16,090 *	-1.3
Borrett Rd	Kennedy Rd	End	2605	LD	C	5,870	5,290	-9.9
Boundary St	Embankment Rd	Knight St	3637	PD	C	51,940 *	51,810 *	-0.3
Boundary St	Knight St	Waterloo Rd	3830	PD	C	36,860	36,770 *	-0.3
Boundary St	Lai Chi Kok Rd	Tai Kok Tsui Rd	3860	DD	C	11,250	11,240 *	-0.1
Boundary St	Nathan Rd	Lai Chi Kok Rd	4025	PD	C	17,240	18,020	+4.6
Boundary St	Nathan Rd	Sai Yee St	3232	PD	C	27,770 *	26,090	-6.0
Boundary St	Sai Yee St	Tai Hang Tung Rd	3435	PD	C	35,210 *	35,120 *	-0.3
Boundary St	Tai Hang Tung Rd	Embankment Rd	4202	PD	B	48,770	49,050	+0.6
Boundary St	Waterloo Rd	La Salle Rd	4026	PD	C	34,370	33,790	-1.7
Boundary St & FO <K11A>	La Salle Rd	Junction Rd	3233	PD	C	28,570 *	28,510	-0.2
Braemar Hill Rd	Tin Hau Temple Rd	Cloud View Rd	1862	LD	C	11,240	11,090 *	-1.3
Brair Ave	Blue Pool Rd	Green Lane	2606	LD	C	610	580	-5.9
Bride's Pool Rd	Ting Kok Rd	Luk Keng Rd	6601	LD	C	870	920	+5.5
Bulkeley St	Whampoa St	Dock St	4603	LD	C	3,460	3,600	+4.2
Butterfly Valley Rd	Butterfly Valley INT	Castle Peak Rd	3432	PD	C	15,460 *	15,760 *	+2.0
Butterfly Valley Rd	Cheung Sha Wan Rd	Castle Peak Rd	3229	PD	C	19,220 *	15,700	-18.3
Butterfly Valley Rd	Lai Chi Kok Rd	Cheung Sha Wan Rd	4022	PD	C	28,100	32,520	+15.8
Caine Rd	Aberdeen St	Arbuthnot Rd	1229	DD	C	11,370 *	10,320	-9.3
Caine Rd	Seymour Rd	Aberdeen St	1013	DD	A	11,870	11,430	-3.7

*** AADT estimated by Growth Factor**

Appendix C - AADT of Counting Stations - ordered by Road Names

Road Name	From	To	Stn. No.	Road Type	Stn. Type	AADT 2012	AADT 2013	Change of 2013 as % of 2012
Lei Yue Mun Rd	Kai Tin Rd	Tseung Kwan O Rd	3443	PD	C	85,750 *	85,000 *	-0.9
Lei Yue Mun Rd	Ko Chiu Rd	Kai Tin Rd	3237	PD	C	34,460 *	31,960	-7.3
Lei Yue Mun Rd	Ko Chiu Rd	Ko Chiu Rd	4031	PD	C	20,960	19,300	-7.9
Lei Yue Mun Rd	Tsui Ping Rd	Tseung Kwan O Rd	3644	PD	C	82,840 *	82,120 *	-0.9
Leighton Rd	Canal Rd E	Wong Nai Chung Rd	1847	DD	C	30,100	29,700 *	-1.3
Leighton Rd	Irving St	Percival St	2036	DD	C	15,960	15,040	-5.8
Leighton Rd	Morrison Hill Rd	Canal Rd E	1631	DD	C	36,720 *	36,240 *	-1.3
Leighton Rd	Tung Lo Wan Rd	Irving St	1414	PD	C	23,970 *	23,960 *	0.0
Leighton Rd	Wong Nai Chung Rd	Percival St	2035	DD	C	27,640	29,140	+5.4
Leung Tin Lane	Ping Tin St	Tak Tin St	3694	LD	C	3,950 *	3,920 *	-0.9
Lin Cheung Rd	Cherry St	Yau Ma Tei INT	3026	UT	A	27,230	27,640	+1.5
Lin Cheung Rd	Jordan Rd	Wui Cheung Rd	4093	UT	C	28,490	29,460	+3.4
Lin Cheung Rd	Wui Cheung Rd	Austin Rd W	3298	UT	C	14,810 *	13,230	-10.7
Lin Cheung Rd	Yau Ma Tei INT	Cherry St Underpass	3025	UT	A	13,930	14,660	+5.3
Lin Cheung Rd	Yen Chow St	Hoi Fat Rd	3709	UT	C	12,360 *	12,610 *	+2.0
Lin Cheung Rd S-B	Hing Wah St W	Nr Yen Chow St W	3897	UT	C	25,880	26,400 *	+2.0
Lin Shing Rd	Wan Tsui Rd	Cape Collision Rd	2401	LD	B	2,360	2,510	+6.3
Lin Tak Rd	Tak Tin St	Tseung Kwan O Rd	4086	DD	C	19,820	16,710	-15.7
Ling Hong Rd	Po Hong Rd	Po Shun Rd	6105	DD	C	2,720	2,670	-2.0
Lion Rock Tunnel	Toll Plaza	South Portal	5024	UT	A	89,450	90,980	+1.7
Lion Rock Tunnel Rd	Che Kung Miu Rd	Sha Tin Rd	5215	PD	C	10,720 *	10,370	-3.3
Lion Rock Tunnel Rd	Hung Mui Kuk Rd	Lion Rock Tunnel	5607	UT	C	83,160 *	84,940 *	+2.1
Lion Rock Tunnel Rd	Hung Mui Kuk Rd	Sha Tin Rd	5405	UT	C	74,350 *	75,930 *	+2.1
Lion Rock Tunnel Rd	Tai Po Rd - Shatin	Che Kung Miu Rd	6015	PD	C	19,240	19,830	+3.0
Lo Wai Rd	Cheung Pei Shan Rd	Slip rd to Tung Po To	5851	LD	C	4,500	4,700 *	+4.3
Lockhart Rd	Arsenal St	Percival St	1020	LD	A	16,150	15,550	-3.7
Lok King St	Fo Tan Rd	Jubilee Garden	5853	LD	C	9,770	9,800 *	+0.3
Lok Ma Chau Rd	Castle Peak Rd	Ha Wan Tsuen Rd	5861	RR	C	12,180	12,280 *	+0.8
Lok Sin Rd	Tung Tsing Rd	Choi Hung Rd	4052	DD	C	4,740	4,430	-6.5
Lok Sin Rd	Tung Tsing Rd	Tak Ku Ling Rd	3489	LD	C	9,190 *	9,110 *	-0.9
Lok Yip Rd	Jockey Club Rd	On Kui St	6043	DD	C	21,640	24,190	+11.8
Lok Yip Rd	On Kui St	Sha Tau Kok Rd - Lung Yuek Tau	5455	DD	C	14,270 *	14,380 *	+0.8

*** AADT estimated by Growth Factor**