CONTRACT NO: HK/2009/05

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

REPORT OF REVIEW BASELINE NOISE LEVEL

CLIENTS:

Civil Engineering and Development Department

and

Highways Department

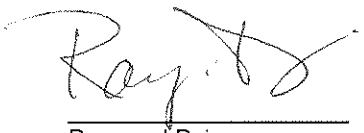
PREPARED BY:

Lam Geotechnics Limited

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

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

CERTIFIED BY:



Raymond Dai
Environmental Team Leader

DATE:

20 June 2011

ENVIRON

Ref.: AACWBIECEM00_0_1583L.11 18 July 2011

Lam Geotechnics Limited
11/F Centre Point
181-185 Gluocester Road
Wan Chai, Hong Kong

By Post and Fax (2882 3331)

Attention: Mr. Raymond Dai

Dear Sir,

Re: Contract No. HK/2009/05
Wan Chai Development Phase II and Central-Wan Chai Bypass – Sampling, Field Measurement and Testing Works (Stage 1)
Report of Review Baseline Noise Level

Reference is made to your submission of the captioned submission dated 20 June 2011 by E-mail for our review and comment.

Please be informed that we have no adverse comment on the captioned submission.

Thank you for your kind attention.

Yours sincerely,

David Yeung
Independent Environmental Checker

c.c. AECOM Mr. Frankie Fan by fax: 2587 1877

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1. INTRODUCTION

1.1.1. According to the Section 3.5.3 of Updated EM&A Manual for EP-356/2009 and Section 3.4.3 of Updated EM&A Manual for EP-364/2009/A, an appropriate set of baseline reference to be used in the exceptional cases of insufficient baseline monitoring data or questionable results shall be submitted to the ER and IEC for agreement and EPD for approval.

1.1.2. In accordance with the baseline noise monitoring reports for EP no. EP-356/2009 and EP-364/2009/A, baseline noise monitoring at total 7 monitoring locations were conducted in December 2009. However, most of access permissions could not be obtained from the Noise Sensitive Receivers (NSRs) during the impact noise monitoring. Alternative noise monitoring stations were proposed to monitor the construction noise impact arising to the noise sensitive receivers. Supplementary baseline noise level at the alternative noise monitoring stations should be reviewed and obtained for the baseline noise reference.

1.1.3. The purpose of this report is to review the baseline noise level at the impact noise monitoring stations which have insufficient baseline monitoring data and the monitoring results will be reported in this report.

2. NOISE MONITORING

2.1 Noise Monitoring Stations

2.1.1. The noise monitoring stations for the baseline noise monitoring conducted in December 2009 and alternative noise monitoring stations for the impact noise monitoring are presented in the ***Table 2.1*** and ***Figure 2.1***.

Table 2.1 Noise Monitoring station

Environmental Permit	**Noise Monitoring Stations for the Baseline Noise Monitoring conducted in 2009**		**Alternative Noise Monitoring Stations for the Impact Noise Monitoring**	
	Station	**Description**	**Station**	**Description**
EP-356/2009 and EP-364/2009/A	M1a	Harbour Road Sports Centre (Orientation towards the HKCEC)	M1a	Harbour Road Sports Centre (Orientation to the Pet Garden)
EP-356/2009 and EP-364/2009/A	M2a	Caltex Petrol Filling Station	M2b	Noon Day Gun Area
EP-356/2009 and EP-364/2009/A	M3	Mayson Garden	M3a	Tung Lo Wan Fire Station
EP-356/2009 and EP-364/2009/A	M4a	Causeway Bay Community Centre	M4b	Victoria Centre
EP-356/2009 and EP-364/2009/A	M5a	Electric Centre	M5b	City Garden
EP-364/2009/A	M6	HK Baptist Church Henrietta Secondary School	N/A	N/A
EP-364/2009/A	M7a	Harbour Building	M7e	International Finance Centre (Eastern End of Podium)

Environmental Permit	Noise Monitoring Stations for the Baseline Noise Monitoring conducted in 2009		Alternative Noise Monitoring Stations for the Impact Noise Monitoring	
	Station	Description	Station	Description
			M7w	International Finance Centre (Western End of Podium)

2.2 Monitoring Equipments

2.2.1. As referred to in the Technical Memorandum (TM) issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.

2.3 Monitoring Parameters, Frequency and Duration

2.3.1. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq\ (30\ minutes)}$ shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For the other time periods, $L_{eq\ (5\ minutes)}$ shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as L_{10} and L_{90} shall also be obtained for reference.

2.3.2. The monitoring parameters, frequency and duration of the noise monitoring are summarized in ***Table 2.2***.

Table 2.2 Noise Monitoring Parameters, Frequency and Duration

Time Period	Duration	Parameters
0700-1900hrs on normal weekdays	$L_{eq(30min)}$	L_{eq}, L_{10} and L_{90}
Time period other than 0700-1900hrs on normal weekdays	$L_{eq(5min)}$	

2.4 Monitoring Methodology

2.4.1. Each proposed location will be monitored for a consecutive 7 days (including Sunday and general holiday) to measure the supplementary baseline noise levels for the proposed time period showed in **Table 2.3**. If the numbers of monitoring performed are less than that specified in **Table 2.3**, the monitoring period will be extended beyond 7 days (including Sunday and general holiday) in order to have sufficient monitoring events.

Table 2.3 Number of Monitoring in Different Time Periods

Time Periods	Period for Non-construction Hours	Minimum no. of monitoring per day	Duration of each Monitoring
Non-restricted hours	0700-1900hrs (normal weekdays)	2	30 min
Restricted hours	1900-2300hrs (normal weekdays)	6	5 min
	0700-2300hrs (Sunday and Public Holiday)	6	5 min
	2300-0700hrs (all days)	6	5 min

2.4.2. Measured noise level in first consecutive 7 days (including Sunday and general holiday) should be compared with the approved baseline results. Another 7 consecutive days (including Sunday and general holiday) at the concerned location to re-establish the baseline may be conducted if the averaged measured noise level in the concern time period deviate from the approved baseline result ±3dB(A) depends on the total numbers of results recorded. Less than 14 days (including Sunday and general holidays) of baseline monitoring will be conducted if IEC agrees with the baseline results and the measured supplementary baseline noise level can be adopted.

2.4.3. There shall not be any construction activities in the vicinity of the stations during the baseline noise monitoring. To avoid any construction activities undertaken during the proposed time period of the monitoring, monitoring will be arranged and liaised with Contractor's programme before the commencement of the baseline noise monitoring.

2.4.4. Since there are several contracts works undertaken near the monitoring stations, there will be limitation on conducting baseline noise monitoring during non-construction hours. The minimum number of monitoring for conducting the baseline noise monitoring is proposed as in Table 2.3 if there is no construction works undertaken. The scheduled date and time will be confirmed with Contractor prior to monitoring so as to ensure no project construction work will be undertaken. If condition allow, more baseline noise monitoring events shall be carried out. ET shall explore the possibility to maximum the number and time coverage of the baseline noise monitoring.

2.5 Monitoring Procedure

2.5.1. The noise monitoring shall follow the following procedures.

- The microphone head of the sound level meter shall be positioned 1m from the exterior of the sensitive receiver building façade and at 1.2m above ground shall be made at all monitoring station, Table 2.4 showed the types of measurement in each station.

Table 2.4 Type of measurement in each monitoring station

Station I.D.	Type of measurement
M7e	Facade
M7w	Facade
M1a	Facade
M2b	Facade
M3a	Facade
M4b	Facade
M5b	Façade
M6*	Façade

*Review of baseline noise level at M6 is unnecessary

- The battery condition shall be checked to ensure good functioning of the meter;
- Prior to and after noise measurement, the meter was 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 was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m s^{-1} or wind with gusts exceeding 10 m s^{-1}. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m s^{-1}.
- Noise measurement was paused during periods of high intrusive noise if possible and observation was recorded when intrusive noise was not avoided.
- At the end of the monitoring period, the L_{eq}, L_{10} and L_{90} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.

2.6 Maintenance and Calibration

2.6.1. Maintenance and calibration procedures shall be as follows:

- The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals;
- The sound level meter and calibrator shall be checked and calibrated at yearly intervals.
- Calibration certificates of the sound level meters and acoustic calibrators are provided in **Appendix A**.

2.7 Results and observations

2.7.1. Total numbers of monitoring in each monitoring station are summarized in **Table 2.5.**
2.7.2. Noise level results comparisons with approved baseline are summarized in **Table 2.6.**
2.7.3. There was no other major activity influencing the measured noise level during the baseline noise monitoring period. The dominant noise sources were from community noises and nearby traffic.
2.7.4. Baseline noise monitoring was conducted according to the schedule showed in **Appendix C**.
2.7.5. Supplementary baseline noise monitoring results are summarized in **Table 2.6, 2.7 and 2.8.** Detailed noise monitoring results are presented in **Appendix B**.

Table 2.5 Total numbers of monitoring in each monitoring station

Station I.D.	Total no. of monitoring conducted (days) Note 1		
	0700 – 1900 hrs of normal weekdays	**all days during evening (1900-2300hrs), and general holidays (including Sundays) during the daytime and evening (0700-2300hrs)**	**all days during the nighttime (2300-0700hrs)**
M7e	21(6)	203(7)	80(7)
M7w	19(6)	149(7)	80(7)
M1a	12(6)	101(14)	N/A Note 2
M2b	24(14)	687(15)	180(15)
M3a	24(12)	642(15)	163(15)
M4b	24(12)	429(13)	132(11)
M5b	20(10)	465(14)	175(14)

Note 1: Noise measurements shall not be made in fog, rain
Note 2: Non-assessable during night time period.
Note 3: Due to TTA was conducted by contractor, the existing environment was consider changed. Only 7 days (including Sunday and general holiday) monitoring was conducted at M7e and M7w

Table 2.6 Noise level results comparisons with approved baseline

0700 – 1900 hrs of normal weekdays				**Averaged measured noise level in the time period deviate from the approved baseline result ±3dB(A) in first consecutive 7 days (including Sunday and general holiday)**
	L_{eq}(30-min), dB(A)			
I.D.	Approved Baseline Noise Levels	Average of Supplementary monitoring results	**I.D.**	
M7a	65.5	66.8	M7e	x
		69.3	M7w	✓
M1a	69.2	72.2	M1a	x
M2a	73.7	67.6	M2b	✓
M3	68.3	69	M3a	x
M4a	68.6	67.3	M4b	x
M5a	67.2	68.0	M5b	x
All days during evening (1900-2300hrs), and general holidays (including Sundays) during the daytime and evening (0700-2300hrs)				**Averaged measured noise level in the time period deviate from the approved baseline result ±3dB(A)**
	L_{eq}(5-min), dB(A)			
I.D.	**Original**	**Supplementary**	**I.D.**	
M7a	57.9	65	M7e	✓
		68	M7w	✓
M1a	60.1	71.3	M1a	✓
M2a	67.7	65.8	M2b	x
M3	61	65.5	M3a	✓

M4a	63.7	66.9	M4b	✓
M5a	61.9	67.2	M5b	✓
All days during the nighttime (2300-0700hrs)				**Averaged measured noise level in the time period deviate from the approved baseline result ±3dB(A)**
I.D.	**L_{eq}(5-min), dB(A) Original**	**Supplementary**	**I.D.**	
M7a	54.8	63.3	M7e	✓
		62.7	M7w	✓
M2a	65.3	65.5	M2b	x
M3	58.9	64.2	M3a	✓
M4a	60.9	65.8	M4b	✓
M5a	58.9	66.5	M5b	✓

Table 2.7 Summary of Supplementary Baseline Noise Monitoring results (0700 – 1900 hrs on normal weekdays)

0700 – 1900 hrs of normal weekdays	**L_{eq}(30-min), d(B)A**	
	Average	**Range**
M7e	66.8	65.5 - 69.2
M7w	69.4	66.1 - 71.2
M1a	72.2	70.7 - 73.7
M2b	67.6	66.3 - 68.9
M3a	68.8	66.9 - 70.3
M4b	67.3	64.4 - 69.6
M5b	68.0	66.3 - 69.6

Table 2.8 Summary of Supplementary Baseline Noise Monitoring Results (all days during evening (1900-2300hrs), and general holidays (including Sundays) during the daytime and evening (0700-2300hrs))

all days during evening (1900-2300hrs), and general holidays (including Sundays) during the daytime and evening (0700-2300hrs)	**L_{eq}(5-min), d(B)A**	
	Average	**Range**
M7e	65.0	60.2 - 67.9
M7w	68.0	63.7 - 71.5
M1a	71.3	68.4 – 73.8
M2b	65.8	63.4 – 69.3
M3a	65.5	63 – 68.6
M4b	67	62.4 – 70.4
M5b	67.2	64.8 – 71.2

Table 2.9 Summary of Supplementary Baseline Noise Monitoring Results (all days during the nighttime (2300-0700hrs))

all days during the nighttime (2300-0700hrs)	**L_{eq}(5-min), d(B)A**	
	Average	**Range**
M7e	63.3	60.8- 67.4
M7w	62.7	59.7- 64.9
M2b	65.4	63.9 – 67

M3a	64.2	62.8 – 65.6
M4b	65.8	64.3 – 67.1
M5b	67.1	65.4 – 69.6

2.8 Event and Action plan

Should non-compliance of the criteria occur, **Table 2.10**, action in accordance with the Event and Action Plan in **Table 2.11** shall be implemented.

Table 2.10 Action and limit level

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

Note 1:

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

Table 2.11 Event/Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	Contractor
Action Level	1. Notify the IEC and the Contractor. 2. Carry out investigation. 3. Report the results of investigation to the IEC and the Contractor. 4. Discuss with the Contractor and formulate remedial measures. 5. Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Review the analysed results submitted by the ET. 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly. 3. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit noise mitigation proposals to IEC 2. Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)
Limit Level	1. Notify the IEC, the ER, the DEP and the Contractor.	1. Discuss amongst the ER, the ET and the Contractor	1. Confirm receipt of notification of failure in	1. Take immediate action to avoid further

EVENT	ACTION			
	ET	IEC	ER	Contractor
	2. Identify the source. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency. 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. 6. Inform the IEC, the ER and the DEP the causes & actions taken for the exceedances. 7. Assess effectiveness of the Contractor's remedial actions and keep the IEC, the DEP and the ER informed of the results. 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. 3. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	exceedance 2. Submit proposals for remedial actions to IEC within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant activity of works as determined by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)

3 CONCLUSION

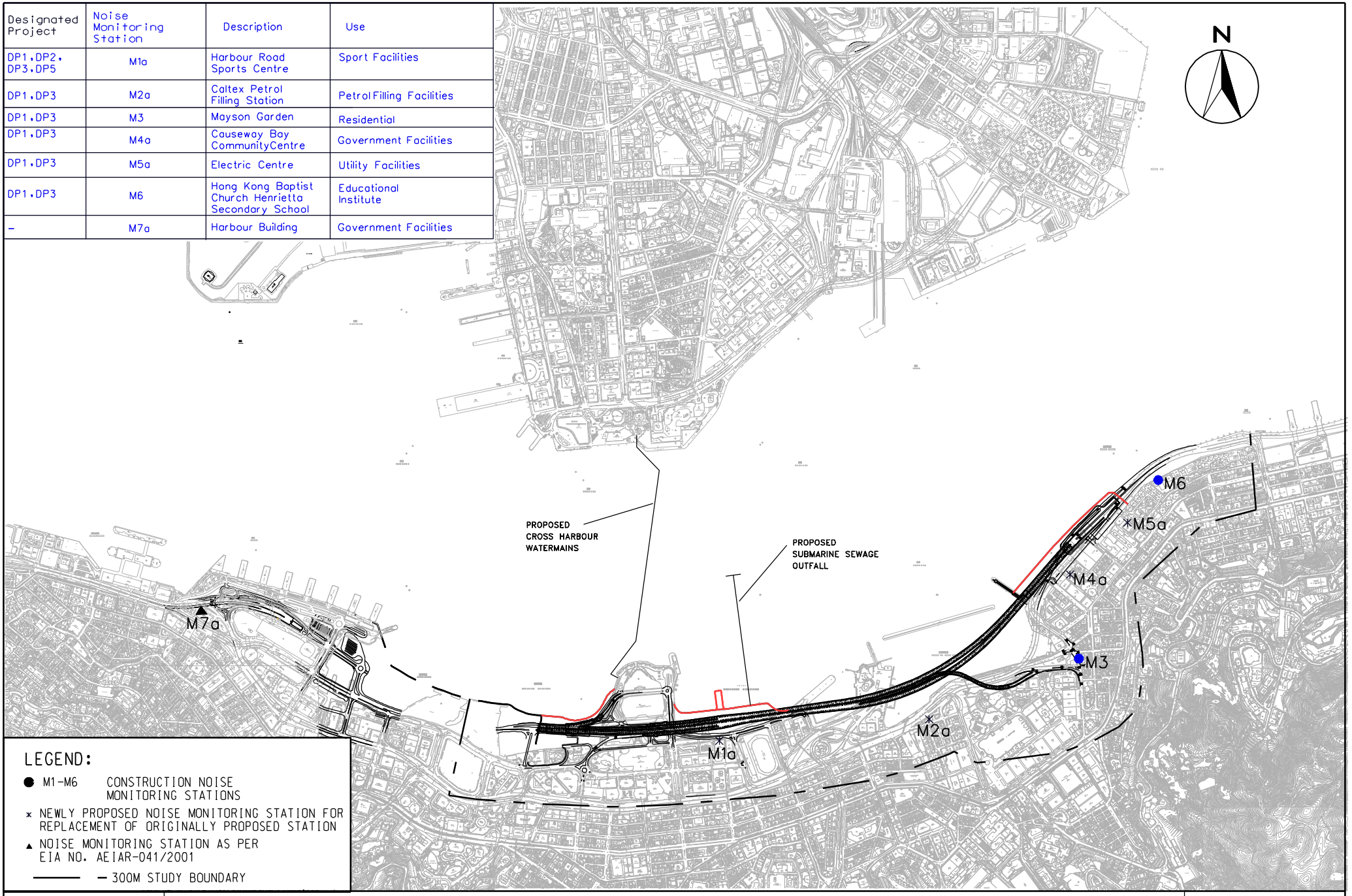
3.1 Supplementary baseline noise monitoring was carried out from 11 April 2011 to 8 June 2011. The Action Level of construction noise is based on documented complaints received, while the Limit Level is the level at a specific limit according to EIAO-TM.

3.2 Noise review was conducted at least 7 days (including Sunday and general holiday).

Figure 2.1

Location Plan for Noise Monitoring Stations (approved and supplementary)

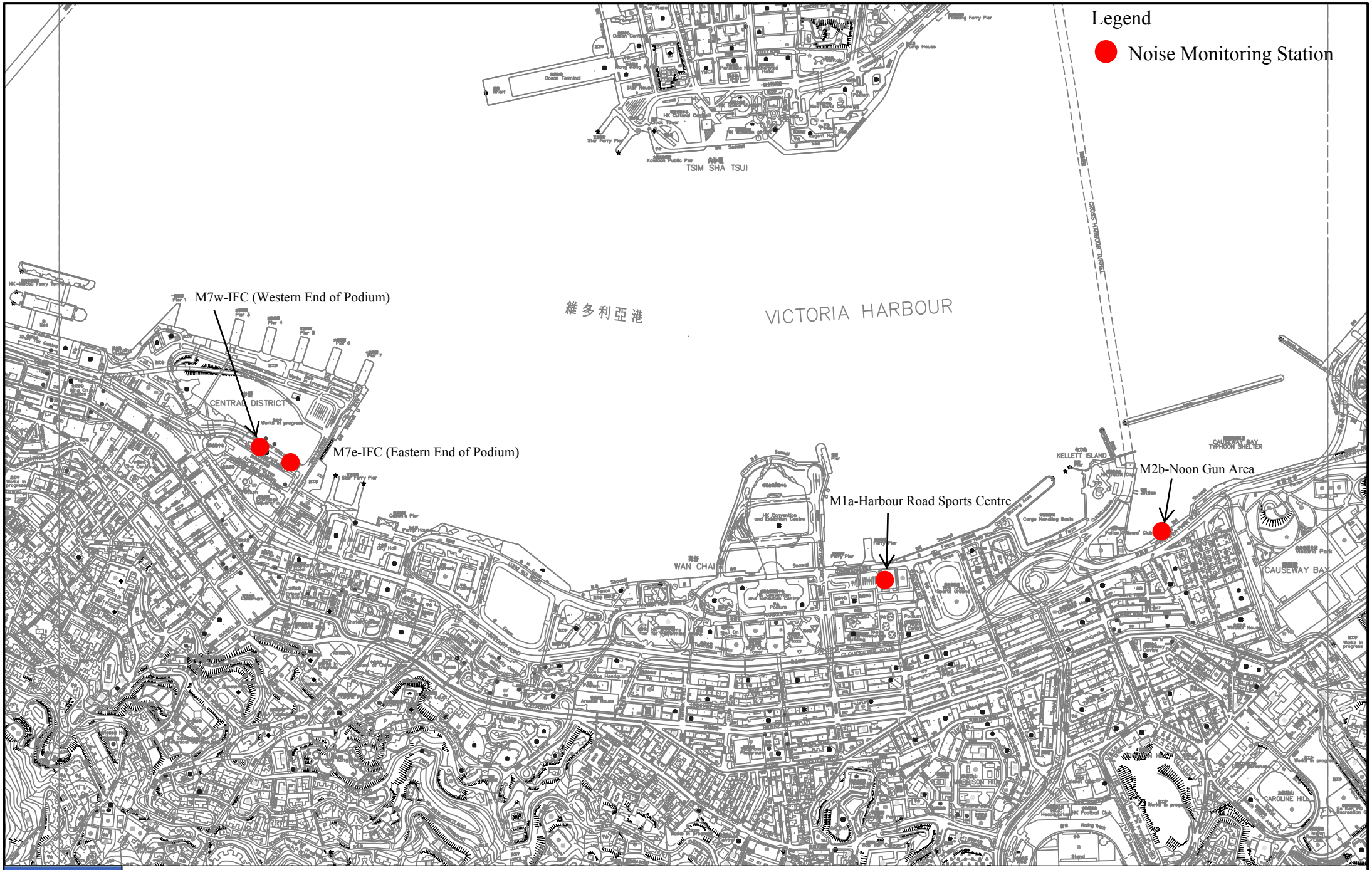
Designated Project	Noise Monitoring Station	Description	Use
DP1,DP2, DP3,DP5	M1a	Harbour Road Sports Centre	Sport Facilities
DP1,DP3	M2a	Caltex Petrol Filling Station	Petrol Filling Facilities
DP1,DP3	M3	Mayson Garden	Residential
DP1,DP3	M4a	Causeway Bay CommunityCentre	Government Facilities
DP1,DP3	M5a	Electric Centre	Utility Facilities
DP1,DP3	M6	Hong Kong Baptist Church Henrietta Secondary School	Educational Institute
–	M7a	Harbour Building	Government Facilities



WAN CHAI DEVELOPMENT PHASE II - PLANNING AND ENGINEERING REVIEW

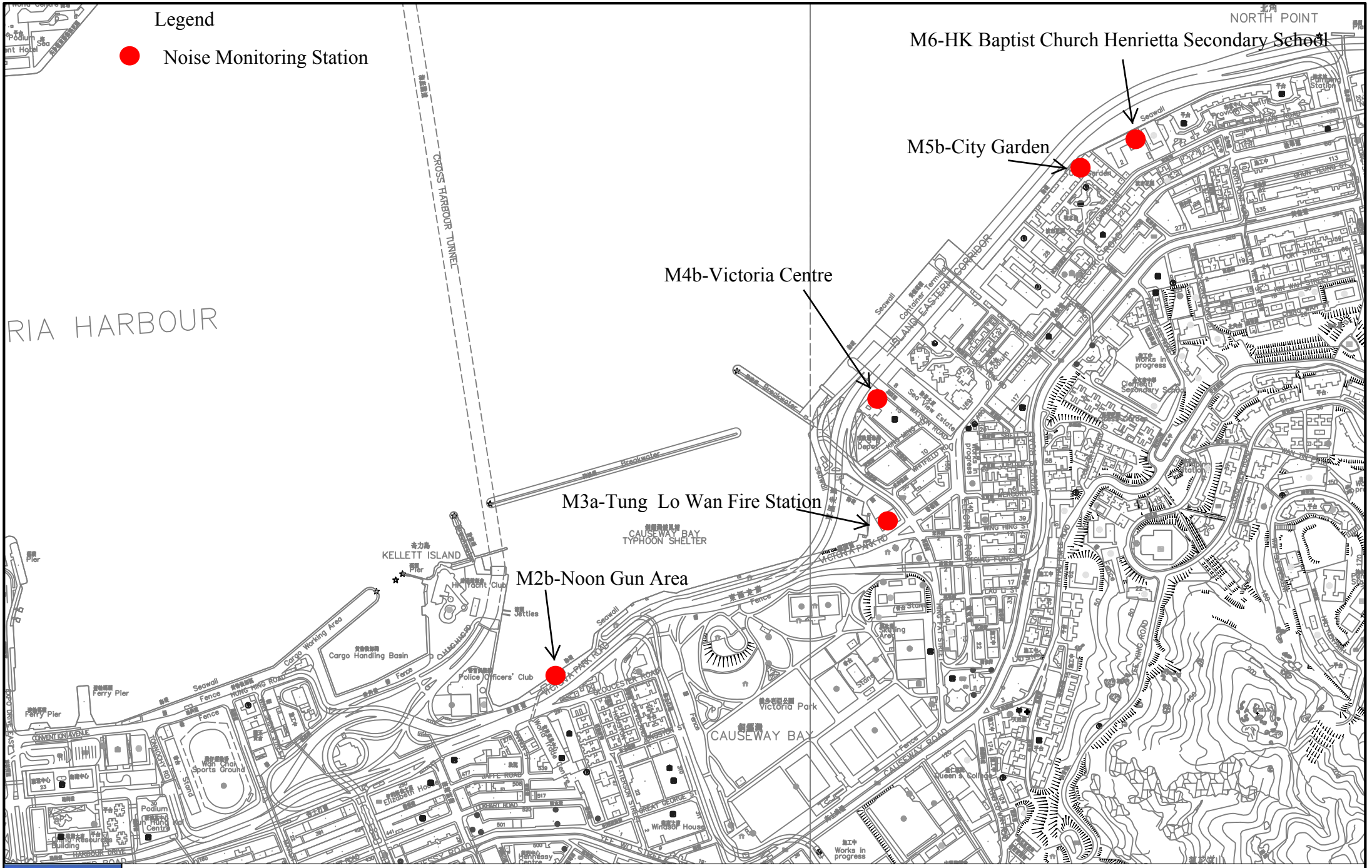
LOCATIONS OF NOISE MONITORING STATIONS

FIGURE 2.1



Contract no. HK/2009/05 Wan Chai Development Phase II and Central-Wan Chai Bypass

Locations of Environmental Monitoring Stations



Contract no. HK/2009/05 Wan Chai Development Phase II and Central-Wan Chai Bypass

Locations of Environmental Monitoring Stations

Appendix A

Calibration certificates of the sound level meters and acoustic calibrators

Hong Kong Calibration Ltd.
香 港 校 正 有 限 公 司

Calibration Certificate

Certificate No. 06680 Page 1 of 4 Pages

Customer : Lam Geotechnics Limited

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

Order No. : Q02553 **Date of receipt :** 18-Nov-10

Item Tested

Description : Precision Integrating Sound Level Meter

Manufacturer : ACO

Model : Type 6224 **Serial No. :** 050112

Test Conditions

Date of Test : 19-Nov-10 **Supply Voltage :** --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

Test Results

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

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong **Approved by :** Dorothy Cheuk

Date: 23-Nov-10

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

--

Calibration Certificate

Results :

1. SPL Accuracy

UUT Setting			Applied Value (dB)	UUT Reading (dB)
Level Range (dB)	Weight	Time Const.		
20 – 100	L_A	Fast	94.0	94.3
		Slow		94.3
	L_C	Fast		94.3
30 – 120	L_A	Fast	94.0	94.4
		Slow		94.4
	L_C	Fast		94.4
30 – 120	L_A	Fast	114.0	94.3
		Slow		94.3
	L_C	Fast		94.3

IEC 651 Type 1 Spec. : ± 0.7 dB
Uncertainty : ± 0.1 dB

2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. : ± 0.3 dB
Uncertainty : ± 0.01 dB

3. Linearity

3.1 Level Linearity

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

Uncertainty : ± 0.1 dB

Calibration Certificate

3.2 Differential level linearity

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

Uncertainty : ± 0.1 dB

4. Frequency Weighting

A weighting

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

Uncertainty : ± 0.1 dB

Calibration Certificate

4. Time Averaging

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

Uncertainty : ± 0.1 dB

Remark : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. Atmospheric Pressure : 1 009 hPa.

---------- END ----------

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 12889 Page 1 of 2 Pages

Customer : Lam Geotechnics Limited

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

Order No. : Q10982 **Date of receipt :** 25-May-11

Item Tested

Description : Sound Level Calibrator

Manufacturer : Rion

Model : NC-73 **Serial No. :** 10465798

Test Conditions

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

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure : F21, Z02.

Test Results

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

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong

Approved by : Alan Chu

Date: 26-May-11

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. Level Accuracy (at 1 kHz)

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

Uncertainty : ± 0.2 dB

2. Frequency Accuracy

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

Uncertainty : ± 0.1 %

3. Level Stability : 0.0 dB
Uncertainty : ± 0.01 dB

4. Total Harmonic Distortion : < 0.5 %
Mfr's Spec. : < 3 %
Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. The above measured values are the mean of 3 measurement.
4. Atmospheric Pressure : 1 004 hPa
5. *Out of Specification

---------- END ----------

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. **03445** Page 1 of 2 Pages

Customer : Lam Geotechnics Limited

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

Order No. : Q01282 **Date of receipt :** 14-Jun-10

Item Tested

Description : Sound Level Calibrator (EL078)

Manufacturer : ONO SOKKI

Model : SC-2110 **Serial No. :** 00393

Test Conditions

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

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure: Z02.

Test Results

All results were within the IEC 942 Class 2 specification.

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong

Approved by : Dorothy Cheuk

Date: 25-Jun-10

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. Level Accuracy (at 1 kHz)

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

Uncertainty : ± 0.2 dB

2. Frequency Accuracy

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

Uncertainty : ± 0.1 %

3. Level Stability : 0.0 dB
IEC 942 Class 2 Spec. : ± 1.2 dB
Uncertainty : ± 0.01 dB

4. Total Harmonic Distortion : < 1.2 %
IEC 942 Class 1 Spec. : < 3 %
Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test
2. The above measured values are the mean of 3 measurements.
3. The uncertainty claimed is for a confidence probability of not less than 95%.
4. Atmospheric Pressure : 1 000 hPa.

---------- END ----------

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 06681 Page 1 of 2 Pages

Customer : Lam Geotechnics Limited

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

Order No. : Q02553 **Date of receipt :** 18-Nov-10

Item Tested

Description : Sound Level Calibrator (EL469)

Manufacturer : ACO

Model : -- **Serial No. :** 050213

Test Conditions

Date of Test : 19-Nov-10 **Supply Voltage :** --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure: F21, Z02.

Test Results

All results were within the IEC 942 Class 1 specification.

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong

Approved by : Dorothy Cheuk

Date: 23-Nov-10

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. Level

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

The above measured values are the mean of 3 measurements.
Uncertainty : ± 0.1 dB

2. Frequency

UUT Nominal Value	Measured Value	IEC 942 Class 1 Spec.
1 kHz	0.9834 kHz	± 2 %

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

3. Level Stability : 0.0 dB
IEC 942 Class 1 Spec. : ± 0.1 dB
Uncertainty : ± 0.01 dB

4. Total Harmonic Distortion : < 0.2 %
IEC 942 Class 1 Spec. : < 3 %
Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. Atmospheric Pressure : 1 009 hPa.

---------- END ----------

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 12888 Page 1 of 4 Pages

Customer : Lam Geotechnics Limited

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

Order No. : Q10982 **Date of receipt :** 25-May-11

Item Tested

Description : Precision Integrating Sound Level Meter

Manufacturer : Rion

Model : NL-14 **Serial No. :** 10303242

Test Conditions

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

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

Test Results

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

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong

Approved by : Alan Chu

Date: 26-May-11

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. SPL Accuracy

UUT Setting				Applied Value (dB)	UUT Reading (dB)	
Level Range (dB)	Filter	Weight	Time Const.		Before adjust.	After adjust.
40 – 100	OFF	L_P	Fast	94.00	--	94.1
		L_{PA}	Fast		*95.0	94.1
			Slow		--	94.1
		L_{PC}	Fast		--	94.1
60 – 120	OFF	L_P	Fast	94.00	--	94.1
		L_{PA}	Fast		--	94.0
			Slow		--	94.0
		L_{PC}	Fast		--	94.0
60 – 120	OFF	L_P	Fast	114.00	--	114.0
		L_{PA}	Fast		--	113.9
			Slow		--	113.9
		L_{PC}	Fast		--	113.9

IEC 651 Type 1 Spec. : ± 0.7 dB
Uncertainty : ± 0.2 dB

2. Level Stability : 0.1 dB

IEC 651 Type 1 Spec. : ± 0.3 dB
Uncertainty : ± 0.01 dB

Calibration Certificate

3. Linearity

3.1 Level Linearity

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

Uncertainty : ± 0.1 dB

3.2 Differential level linearity

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

Uncertainty : ± 0. 1 dB

4. Frequency Weighting

A weighting

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

Uncertainty : ± 0.1 dB

Calibration Certificate

5. Time Averaging

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

Uncertainty : ± 0.1 dB

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

---------- END ----------

Hong Kong Calibration Ltd.
香 港 校 正 有限公司

Calibration Certificate

Certificate No. 03250A

Customer : Lam Geotechnics Limited

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

Order No. : Q01282 **Date of receipt :** 14-Jun-10

Item Tested

Description : Precision Integrating Sound Level Meter

Manufacturer : ONO SOKKI

Model : LA-5110 **Serial No. :** 72302293

Test Conditions

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

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Ref. Document/Procedure: Z01.

Test Results

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

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

Main Test equipment used:

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

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

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

Calibrated by : P. F. Wong

Approved by : Dorothy Cheuk

Date: 8-Oct-10

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. SPL Accuracy

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

IEC 651 Type 1 Spec. : ± 0.7 dB
Uncertainty : ± 0.1 dB

2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. : ± 0.3 dB
Uncertainty : ± 0.01 dB

3. Linearity

3.1 Level Linearity

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

Uncertainty : ± 0.1 dB

Calibration Certificate

3.2 Differential level linearity

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

Uncertainty : ± 0.1 dB

4. Frequency Weighting

A weighting

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

Uncertainty : ± 0.1 dB

5. Time Averaging

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

Uncertainty : ± 0.1 dB

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

---------- END ----------

Appendix B
Supplementary Baseline Noise Monitoring Data

Noise Monitoring Station: M7e - IFC eastern prodium

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/04/2011	Fine	<5	12:30	67.7	69.4	63.4
			18:00	66.9	68.4	64.4
16/04/2011	Fine	<5	12:38	66.2	68.1	62.4
			18:00	66.9	69.3	64.4
			18:30	65.8	67.5	62.6
18/04/2011	Fine	<5	12:00	68.8	69.0	63.7
			12:30	69.2	71.0	63.1
			18:00	67.1	68.7	63.2
			18:30	66.1	67.5	62.3
19/04/2011	Fine	<5	12:00	66.0	68.2	62.4
			12:30	66.6	68.3	62.3
			18:00	67.0	68.7	63.5
			18:30	66.7	68.8	63.3
20/04/2011	Fine	<5	12:00	66.2	68.0	62.5
			12:30	65.5	67.6	62.3
			18:00	66.7	68.2	64.6
			18:30	66.7	68.2	64.9
21/04/2011	Fine	<5	12:00	65.7	67.9	61.3
			12:30	65.6	67.6	62.1
			18:00	66.8	68.6	63.6
			18:30	66.1	67.4	64.1

Average	66.8	dB(A)
Max	69.2	dB(A)
Min	65.5	dB(A)

Noise Monitoring Station: M7e - IFC eastern prodium

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/4/2011	Fine	<5	20:20	66.7	80.6	62.2
			20:25	66.4	70.2	60.6
			20:30	66.8	70.5	60.9
			20:35	67.3	71.3	62.4
			20:40	67.2	70.9	63.4
			20:45	67.3	71.2	60.5
			20:50	67.5	69.3	60.2
			20:55	66.9	68.4	63.5
			21:00	65.9	69.0	65.1
			21:05	66.4	68.3	65.2
			21:10	67.1	67.4	60.2
			21:15	65.8	67.1	59.3
			21:20	66.7	70.3	62.2
			21:25	66.3	70.9	60.6
			21:30	66.8	71.3	61.2
			21:35	67.1	71.4	62.1
			21:40	66.8	69.5	61.9
			21:45	66.7	69.9	61.5
			21:50	66.6	69.4	60.7
			21:55	66.3	71.3	61.3
			22:00	66.9	70.9	60.2
			22:05	66.9	71.2	61.1
			22:10	66.8	72.2	59.7
			21:15	66.7	71.9	59.2
			22:20	65.5	68.8	64.5
			22:25	67.8	77.6	66.9
			22:30	66.4	75.4	60.3
			22:35	66.2	71.4	58.7
			22:40	66.1	70.3	59.4
			22:45	67.0	69.9	59.9
			22:50	66.3	70.5	60.2
			22:55	66.1	70.2	59.8
			20:15	67.4	69.5	62.4
			20:20	62.7	64.5	60.5
			20:25	66.6	68.0	60.7

16/4/2011	Fine	<5	20:30	65.8	67.8	61.2
			20:35	66.0	68.1	61.0
			20:40	65.6	67.6	60.9
			20:45	63.0	64.7	61.0
			20:50	64.2	65.5	61.1
			20:55	63.5	65.4	61.2
			21:00	63.7	65.3	61.2
			21:05	64.0	65.6	61.5
			21:10	63.8	65.3	61.3
			21:15	64.3	60.8	61.2
			21:20	64.1	66.5	61.4
			21:25	63.8	66.6	61.0
			21:30	63.9	66.0	61.1
			21:35	64.1	66.2	61.2
			21:40	64.5	67.1	61.3
			21:45	64.3	65.6	62.2
			21:50	64.0	65.9	61.5
			21:55	64.7	65.8	61.7
			22:00	63.9	66.0	60.6
			22:05	64.0	66.1	60.9
			22:10	64.2	67.0	61.2
			22:15	66.9	68.9	62.5
			22:20	64.5	66.3	61.4
			22:25	67.3	68.5	62.5
			22:30	64.2	65.8	61.5
			22:35	63.9	65.8	61.1
			22:40	62.3	64.3	59.6
			22:45	63.3	64.7	60.2
			22:50	63.5	64.8	60.8
			22:55	63.2	65.0	61.1
17/4/2011	Fine	<5	21:35	64.5	65.6	62.5
			21:40	62.8	64.0	60.5
			21:45	62.1	63.4	60.5
			22:25	64.3	66.4	62.0
			22:30	62.5	64.1	60.4
			22:35	62.8	64.2	61.1
			22:40	61.6	63.2	59.5
			22:50	62.7	64.2	60.9
			22:55	61.3	62.2	59.8
			21:55	63.2	65.4	59.7
			22:00	63.7	65.6	60.8

18/4/2011	Fine	<5	22:05	65.9	68.0	60.6
			22:10	64.6	66.6	60.7
			22:15	63.2	65.0	60.5
			22:20	63.4	65.7	60.9
			22:25	63.1	65.3	58.4
			22:30	67.2	68.7	59.2
			22:35	67.3	68.1	60.1
			22:40	62.2	64.7	57.7
			22:45	62.5	64.8	58.0
			22:50	62.4	55.1	58.2
19/4/2011	Fine	<5	19:03	65.2	67.2	62.2
			19:08	67.8	68.6	63.3
			19:13	66.7	68.9	62.5
			19:18	64.4	65.7	62.4
			19:23	65.3	66.8	63.4
			19:28	65.8	67.9	63.1
			19:33	64.4	66.3	61.5
			19:38	65.6	67.6	62.7
			19:43	63.9	66.0	61.5
			19:48	63.1	65.5	60.4
			19:53	63.3	64.7	61.5
			19:58	63.7	65.5	61.3
			20:03	64.5	66.3	62.4
			20:08	64.5	66.1	62.5
			20:13	62.5	63.5	60.9
			20:18	63.3	64.4	61.8
			20:23	63.9	65.3	62.1
			20:28	63.8	65.5	61.4
			20:33	65.7	67.4	63.8
			20:38	64.8	66.4	63.2
			20:43	63.5	65.5	61.7
			20:51	67.1	67.8	66.5
			21:07	64.5	66.8	61.1
			21:13	63.7	65.4	61.4
			21:19	65.2	68.0	61.5
			21:25	64.8	67.0	61.6
			21:30	65.1	66.9	62.6
			21:36	67.5	69.6	64.9
			21:41	67.9	69.5	65.7
			21:48	67.0	68.3	65.5
			21:53	66.6	68.0	65.0

			21:59	66.4	68.2	64.3
			22:05	65.9	68.5	62.4
			22:11	64.7	67.3	61.6
			22:18	67.2	68.9	64.9
			22:24	67.4	68.9	65.4
			22:30	65.1	67.1	62.3
			22:37	63.5	65.3	61.2
			22:43	63.2	65.4	60.0
			22:49	64.1	66.4	60.8
			22:55	62.7	64.7	59.6
20/4/2011	Fine	<5	20:20	64.1	65.4	62.2
			20:25	64.2	65.7	62.3
			20:30	64.5	66.6	61.9
			20:35	65.4	67.2	62.5
			20:40	65.1	67.0	62.2
			20:45	64.6	66.7	62.1
			20:50	64.1	66.5	61.4
			20:55	64.3	65.7	62.6
			21:00	64.9	66.8	62.6
			21:05	63.9	65.7	61.8
			21:10	64.3	66.0	62.3
			21:15	63.9	64.9	62.3
			21:20	63.7	64.8	62.2
			21:25	62.3	63.7	60.4
			21:30	64.5	66.3	62.2
			21:35	63.4	65.1	61.5
			21:40	65.5	67.0	63.8
			21:45	64.4	66.3	62.6
			21:50	63.4	64.5	62.0
			21:55	65.6	68.1	63.2
			22:00	65.4	66.1	62.6
			22:05	65.4	67.0	63.1
			22:10	65.8	67.1	63.8
			21:15	66.1	67.4	64.0
			22:20	64.2	64.7	61.1
			22:25	64.9	66.6	61.3
			22:30	62.9	64.3	60.4
			22:35	63.9	65.2	62.3
			22:40	63.6	65.1	61.9
			22:45	63.2	64.3	61.5
			22:50	62.7	63.9	61.1

			22:55	62.8	64.2	61.2
21/4/2011	Fine	<5	19:21	65.8	68.5	62.2
			19:26	66.6	69.5	63.3
			19:31	64.3	65.9	62.3
			19:36	65.2	66.6	63.3
			19:41	64.3	65.7	62.0
			19:46	65.1	67.2	62.1
			19:51	66.5	69.2	62.3
			19:56	64.2	65.6	62.1
			20:01	66.3	68.6	63.7
			20:06	65.6	67.8	62.6
			20:11	65.4	66.6	63.1
			20:16	63.8	66.5	62.6
			20:21	66.0	67.2	62.9
			20:26	65.2	66.8	62.3
			20:31	64.9	66.9	61.9
			20:36	64.8	66.4	62.3
			20:41	65.1	66.7	61.9
			20:46	64.5	65.4	61.1
			20:51	64.7	66.0	62.8
			20:56	64.5	66.1	62.7
			21:01	64.7	66.8	62.1
			21:06	65.1	67.0	62.2
			21:11	65.0	67.0	62.1
			21:16	64.5	66.5	62.0
			21:21	64.1	66.5	61.4
			21:26	63.6	65.0	61.9
			21:31	63.9	65.8	61.5
			21:36	63.6	65.4	61.5
			21:41	64.1	65.8	62.1
			21:46	64.2	65.3	62.7
			21:51	61.5	62.6	60.0
			21:56	63.0	64.3	61.1
			22:01	62.6	64.4	60.3
			22:06	63.8	65.5	61.9
			22:11	64.9	66.5	63.3
			22:16	65.3	67.3	63.5
			22:21	63.2	64.3	61.9
			22:26	62.7	64.7	59.7
			22:31	61.6	63.3	59.4
			22:36	61.4	62.9	59.3

			22:41	62.1	63.6	60.4
			22:46	61.0	62.5	58.9
			22:51	61.3	63.0	59.5
			22:56	60.2	61.5	58.3

Average	65.0	dB(A)
Max	67.9	dB(A)
Min	60.2	dB(A)

Noise Monitoring Station: M7e - IFC eastern prodium

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/04/2011	Fine	<5	23:00	64.4	68.1	63.4
			23:05	65.4	68.4	63.6
			23:10	65.8	68.6	64.2
			23:15	65.5	68.9	63.8
			23:20	65.4	68.5	63.8
			23:25	66.0	69.1	64.6
			23:30	65.2	68.3	64.6
			23:35	65.8	69.6	64.7
			23:40	64.9	68.0	64.0
			23:45	65.3	68.7	64.3
			23:50	65.5	68.6	63.9
			23:55	65.0	68.3	63.8
16/04/2011	Fine	<5	23:00	62.9	64.9	59.6
			23:05	62.5	64.7	60.2
			23:10	62.8	64.5	60.1
			23:15	62.6	64.2	60.3
			23:20	63.7	66.2	59.8
			23:25	62.6	64.8	60.1
			23:30	62.5	63.9	60.5
			23:35	63.2	65.1	60.7
			23:40	61.9	63.2	58.9
			23:45	60.8	62.2	58.9
			23:50	61.3	62.9	59.3
			23:55	61.4	62.4	60.0
17/04/2011	Fine	<5	23:00	62.8	64.4	59.8
			23:05	61.4	62.7	59.7
			23:10	61.2	62.5	59.7
18/04/2011	Fine	<5	00:47	62.5	63.8	60.9
			00:54	62.0	63.6	60.1
			00:59	61.9	63.1	60.1
			01:04	61.3	62.5	59.5
			01:09	61.3	62.6	59.3
			01:14	61.1	62.6	59.1
18/04/2011	Fine	<5	23:02	63.0	65.1	59.3
			23:07	63.3	64.7	59.5
			23:12	63.7	66.1	60.1
			23:17	62.2	65.2	57.7
			23:22	64.2	66.1	59.5
			23:27	62.2	64.4	59.2

18/04/2011	Fine	<5	23:32	62.3	64.7	58.2
			23:37	62.5	64.0	59.8
			23:42	61.2	63.8	57.5
			23:47	61.0	62.8	56.4
			23:52	63.8	65.5	61.1
			23:57	60.9	63.2	56.6
19/04/2011	Fine	<5	23:01	63.7	66.0	59.8
			23:06	63.6	65.7	59.6
			23:11	63.0	64.4	61.3
			23:16	64.3	66.1	61.9
			23:21	62.8	64.6	60.7
			23:26	63.1	64.8	61.1
			23:31	64.5	65.5	62.9
			23:36	62.8	63.9	61.3
			23:41	62.7	64.0	60.8
			23:46	63.3	65.1	61.0
			23:51	63.1	64.8	61.2
			23:56	63.7	65.2	62.0
20/04/2011	Fine	<5	23:00	61.1	63.2	58.1
			23:05	62.7	64.4	60.4
			23:10	61.8	63.3	59.7
			23:15	61.9	63.4	60.2
			23:20	61.3	62.7	59.1
			23:25	61.6	63.3	59.8
			23:30	61.3	62.6	59.4
			23:35	62.8	64.0	61.2
			23:40	61.8	63.3	60.2
			23:45	62.1	63.5	60.3
			23:50	63.3	64.6	61.3
			23:55	62.9	63.8	61.5
21/04/2011	Fine	<5	23:09	65.1	67.5	61.7
			23:14	67.4	70.0	63.5
			23:19	64.2	66.5	61.6
			23:24	64.3	65.8	62.2
			23:29	63.5	65.0	60.2
			23:34	62.4	64.7	58.7
			23:39	63.5	65.4	59.3
			23:44	62.5	63.9	60.7
			23:49	62.2	63.5	60.2
			23:54	63.1	64.0	61.7
			23:59	63.2	64.4	61.4

Average	63.3	dB(A)
Max	67.4	dB(A)
Min	60.8	dB(A)

Noise Monitoring Station: M7w - IFC western prodium

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/04/2011	Fine	<5	12:00	71.0	71.5	69.8
			18:33	66.1	67.1	64.7
16/04/2011	Fine	<5	12:00	68.1	70.1	67.9
			18:00	68.6	69.9	68.0
			18:30	69.4	71.6	67.9
18/04/2011	Fine	<5	18:00	70.4	72.2	67.1
			18:30	70.0	71.9	66.6
19/04/2011	Fine	<5	12:00	69.1	70.1	67.9
			12:30	69.0	69.9	68.0
			18:00	70.2	72.5	67.9
			18:30	69.4	70.6	67.2
20/04/2011	Fine	<5	12:00	68.4	70.5	66.2
			12:30	69.1	70.1	67.8
			18:00	69.7	71.2	67.6
			18:30	69.9	70.2	66.9
21/04/2011	Fine	<5	12:00	67.7	68.6	66.6
			12:30	67.4	68.3	66.1
			18:00	70.6	71.5	69.3
			18:30	71.2	73.1	69.1

Average	69.3	dB(A)
Max	71.2	dB(A)
Min	66.1	dB(A)

Noise Monitoring Station: M7w - IFC western prodium

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/4/2011	Fine	<5	19:27	67.1	67.3	64.5
			19:32	68.5	69.6	65.0
			19:37	66.9	67.1	64.3
			19:42	66.3	66.7	64.0
			19:47	66.3	67.1	64.1
			19:52	66.0	66.9	63.9
			19:57	66.3	66.6	64.2
			20:02	68.0	69.5	64.6
			20:07	67.7	69.1	64.9
			20:12	66.9	67.4	64.0
			20:17	66.1	67.9	63.9
			20:22	66.1	68.0	63.8
			20:27	67.6	69.6	63.9
			20:32	66.6	69.6	63.9
			20:37	66.5	67.1	63.5
			20:42	65.6	66.4	63.4
			20:47	65.7	65.8	63.1
			20:52	66.0	68.2	63.3
			20:57	65.9	66.5	63.4
			21:02	65.6	67.6	63.4
			21:07	65.4	67.7	63.2
			21:12	65.7	67.9	63.3
			21:17	65.5	67.8	63.3
			21:22	67.6	71.7	63.7
			21:27	65.6	68.0	63.0
			21:32	67.2	68.5	65.1
			21:37	67.2	68.4	64.3
			21:42	66.2	67.6	64.4
			21:47	66.2	67.6	64.0
			21:52	66.6	68.1	64.8
			21:57	67.4	68.5	65.3
			22:02	66.0	67.2	63.5
			22:07	68.6	70.4	65.1
			22:12	67.2	69.6	64.1
			22:17	67.5	69.1	64.7
			22:22	67.8	69.6	65.2
			22:27	66.0	67.0	63.9
			22:32	66.6	67.7	64.8
			22:37	66.2	67.4	64.1
			22:42	68.0	69.9	65.7
			22:47	66.5	67.7	64.7
			22:52	65.7	66.8	63.8

16/4/2011	Fine	<5	19:00	63.7	65.5	60.4
			19:05	66.4	68.3	64.5
			19:10	65.7	67.7	64.0
			19:15	65.3	67.1	63.6
			19:20	65.1	66.7	63.5
			19:25	64.9	66.4	63.2
			19:30	65.2	66.9	63.5
			19:35	65.4	67.0	63.7
			19:40	65.4	67.1	63.9
			19:45	65.5	67.2	64.2
			19:50	65.1	66.8	63.7
			19:55	64.9	66.3	63.4
			20:00	65.2	67.2	64.0
			20:05	65.0	66.5	63.2
			20:10	65.1	66.5	63.7
			20:15	65.3	67.0	63.4
			20:20	65.1	66.8	63.6
			20:25	67.5	68.7	63.7
			20:30	64.7	65.8	63.7
17/4/2011	Fine	<5	21:35	67.1	68.4	65.1
			21:40	67.5	68.8	64.7
			21:45	66.2	67.6	64.4
			22:25	66.6	68.0	64.4
			22:30	67.2	68.7	65.4
			22:35	65.9	67.1	63.8
			22:40	66.1	67.3	63.6
			22:50	66.5	68.3	63.0
			22:55	66.6	67.7	64.7
18/4/2011	Fine	<5	19:27	65.8	67.1	62.3
			19:32	66.8	67.8	63.7
			19:37	66.0	67.4	63.0
			19:42	66.6	67.9	64.3
			19:47	67.1	68.9	65.0
			19:52	67.1	68.4	64.7
			19:57	65.7	67.9	61.8
			20:02	65.7	67.8	63.1
			20:07	65.8	67.7	63.2
			20:12	66.6	68.5	62.9
			20:17	66.1	67.0	63.4
			20:22	67.3	68.5	65.2
			20:27	66.6	67.6	64.7
			20:32	67.1	69.8	62.6
			20:37	65.9	67.2	62.4
			20:42	66.9	67.9	63.7
			20:47	66.7	68.1	63.7
			20:52	65.5	66.8	63.3

19/4/2011	Fine	<5	19:27	68.2	69.3	67.5
			19:32	67.9	68.3	67.4
			19:42	67.8	68.2	67.5
			19:56	68.1	68.7	67.6
			19:56	68.1	68.6	67.4
			20:08	67.8	68.4	67.1
			20:16	67.4	67.8	67.0
			20:23	68.8	69.6	68.0
			20:29	68.7	69.2	68.1
			20:36	68.7	69.3	68.0
			20:43	68.9	69.5	68.0
20/4/2011	Fine	<5	21:50	68.0	69.5	64.6
			21:55	67.0	69.2	64.5
			22:00	65.7	66.7	64.1
			22:05	65.9	67.2	64.3
			22:10	66.1	67.5	64.2
			22:15	65.6	67.2	63.8
			22:20	66.7	67.9	65.1
			22:25	66.4	67.5	65.3
			22:30	66.6	67.6	65.4
			22:35	65.7	67.0	63.7
			22:40	66.4	67.0	64.1
			22:45	65.0	68.4	63.9
			22:50	64.2	66.3	61.7
			22:55	64.8	65.9	63.1
21/4/2011	Fine	<5	19:27	70.8	71.8	69.7
			19:32	70.8	71.8	69.9
			19:37	71.3	72.3	70.4
			19:42	71.1	71.8	70.5
			19:47	71.1	71.5	70.7
			19:52	71.5	72.4	70.6
			20:05	71.1	71.7	70.5
			20:10	71.2	71.9	70.4
			20:15	70.9	71.4	70.4
			20:20	71.2	72.4	70.4
			20:25	71.3	72.0	70.7
			20:30	71.0	71.4	70.7
			20:45	70.9	71.3	70.5
			20:50	70.8	71.4	70.3
			20:55	70.8	71.2	70.4
			21:00	70.6	71.2	70.0
			21:05	70.8	71.5	70.2
			21:10	70.5	71.0	70.2
			21:15	71.2	72.1	70.5
			21:20	70.8	71.4	70.2
			21:25	71.1	72.0	70.4

21:30	71.0	71.8	70.1
21:35	70.4	70.8	69.9
21:40	70.4	71.0	70.0
21:50	70.4	70.7	69.9
21:55	69.8	70.6	68.8
22:00	69.8	70.5	69.0
22:05	69.7	70.4	69.1
22:10	69.7	70.4	69.1
22:15	70.1	70.9	69.4
22:25	69.8	70.3	69.4
22:30	70.0	70.7	69.4
22:35	69.6	70.3	69.2
22:40	70.2	70.2	69.2
22:45	69.3	70.0	68.5
22:50	69.5	70.0	68.8

Average	68.0	dB(A)
Max	71.5	dB(A)
Min	63.7	dB(A)

Noise Monitoring Station: M7w - IFC western prodium

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Time	Leq	L10	L90
15/04/2011	Fine	<5	23:00	64.3	65.4	62.1
			23:05	64.0	65.6	61.0
			23:10	63.9	65.0	62.0
			23:15	64.2	65.4	61.9
			23:20	63.5	64.8	61.9
			23:25	63.1	65.2	60.8
			23:30	62.9	64.4	60.8
			23:35	64.5	65.9	62.8
			23:40	63.0	64.6	60.9
			23:45	63.6	65.1	61.9
			23:50	63.4	64.3	61.9
			23:55	63.4	64.5	60.9
16/04/2011	Fine	<5	23:00	64.2	65.7	61.6
			23:05	64.8	66.4	61.8
			23:10	64.2	65.5	62.5
			23:15	62.6	63.9	61.2
			23:20	63.1	64.4	61.5
			23:25	61.7	63.3	59.7
			23:30	62.8	64.0	61.1
			23:35	62.5	63.7	60.7
			23:40	61.9	63.1	59.8
			23:45	63.3	64.8	61.4
			23:50	61.4	63.2	58.6
			23:55	62.6	64.1	60.5
17/04/2011	Fine	<5	23:00	61.7	63.2	59.8
			23:05	63.6	65.7	60.9
			23:10	62.3	64.1	60.0
18/04/2011	Fine	<5	00:47	61.4	63.4	59.1
			00:54	59.7	61.2	58.0
			00:59	61.7	63.3	59.7
			01:04	61.6	63.0	59.7
			01:09	62.6	63.7	60.7
			01:14	62.2	63.4	60.0
18/04/2011	Fine	<5	23:02	63.0	64.3	61.4
			23:07	64.0	66.1	61.7
			23:12	63.2	64.8	61.1
			23:17	63.5	65.0	61.8
			23:22	63.0	64.6	60.9
			23:27	63.5	65.0	61.8
			23:32	63.0	64.0	61.6
			23:37	64.2	65.3	61.6
			23:42	63.6	65.2	61.1

			23:47	64.6	66.1	61.5
			23:52	64.9	66.2	63.2
			23:57	62.0	63.4	60.6
19/04/2011	Fine	<5	23:01	63.6	65.0	62.1
			23:06	62.5	64.1	60.5
			23:11	63.0	64.2	61.3
			23:16	61.9	63.1	60.0
			23:21	62.7	64.0	60.7
			23:26	61.1	62.6	59.2
			23:31	62.4	64.1	59.5
			23:36	61.3	62.8	59.2
			23:41	61.6	63.0	59.7
			23:46	61.1	63.3	58.4
			23:51	61.0	62.8	58.8
			23:56	63.5	65.5	61.1
20/04/2011	Fine	<5	23:00	62.4	63.9	60.7
			23:05	63.2	65.4	60.0
			23:10	61.3	62.9	59.4
			23:15	61.8	63.5	59.7
			23:20	60.7	62.2	58.9
			23:25	62.7	64.5	59.2
			23:30	61.5	63.3	59.2
			23:35	60.4	61.6	58.4
			23:40	61.5	63.3	59.0
			23:45	61.6	63.5	59.6
			23:50	61.9	63.4	60.1
			23:55	60.2	61.6	58.4
21/04/2011	Fine	<5	23:09	61.7	63.2	59.3
			23:14	61.6	63.4	59.5
			23:19	62.4	64.0	60.3
			23:24	60.4	61.9	58.6
			23:29	61.6	62.9	59.9
			23:34	63.4	66.3	59.5
			23:39	61.4	62.7	58.6
			23:44	61.4	62.9	59.6
			23:49	62.9	64.2	60.9
			23:54	63.8	64.6	62.4
			23:59	63.9	65.1	62.1

Average	62.7	dB(A)
Max	64.9	dB(A)
Min	59.7	dB(A)

Noise Monitoring Station: M1a - Harbour Road Sport Centre

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
11/04/2011	Fine	<5	12:00	72.6	75.5	67.8
			12:30	72.8	75.3	67.7
12/04/2011	Fine	<5	12:00	70.8	75.2	68.2
			12:30	71.4	74.6	68.6
13/04/2011	Fine	<5	12:00	73.6	76.1	69.4
			12:30	73.7	76.3	69.3
14/04/2011	Fine	<5	12:00	71.1	76.3	69.8
			12:30	70.8	78.3	69.2
15/04/2011	Fine	<5	12:00	73.3	78.3	70
			12:30	73.6	78.6	69.8
16/04/2011	Fine	<5	12:00	71.1	75.4	68.4
			12:30	70.7	74.7	66.3

Average	72.2	dB(A)
Max	73.7	dB(A)
Min	70.7	dB(A)

Noise Monitoring Station: M1a - Harbour Road Sport Centre

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
10/04/2011	Fine	<5	12:09	71.4	74.3	69.9
			12:14	71.7	75.7	70.2
			12:19	70.9	74.1	70.1
			12:24	70.7	73.9	68.7
			12:29	71	73.9	69.3
			12:34	71.9	74.3	69.3
			12:39	73	75.8	67.7
			12:44	72.8	75.6	68.7
			12:49	71.7	73.3	67.2
			12:54	72.9	75.9	68.9
			12:59	73.4	76.2	69.4
			13:04	73.8	76.4	70.1
			13:09	71.8	74.7	70.1
11/04/2011	Fine	<5	19:00	71.9	75.6	69.7
			19:05	71.6	73.4	70.9
			19:10	72.3	73.9	70.2
			19:15	72	73.7	69.9
			19:20	71.3	72.9	70.2
			19:40	71.6	73	69.7
			19:45	70.9	73.7	68.7
			19:50	71.1	74.7	69.9
			19:55	70.8	72.4	70.1
12/04/2011	Fine	<5	19:45	71.2	74.4	65.7
			20:05	70.7	73.4	66.8
			20:25	70.4	74.6	66.3
			20:50	70.7	72.5	66.7
			21:05	70.4	73.9	65.7
			21:35	68.4	71.5	63.9
13/04/2011	Fine	<5	19:05	71.2	75.4	69.7
			19:10	71.6	74.9	69.9
			19:30	71.4	74.5	69.9
			20:00	70.3	74.5	67.8
			20:05	70.5	75	67.6
			20:30	69.8	72	64.7
			21:05	69.4	72	64.6
			21:25	69.9	72.9	64.9
			19:00	70.2	72.3	65.9
			19:05	71.5	74.4	67.4
			19:10	70	72.7	65.5
			19:15	70	72.7	65.5

14/04/2011	Fine	<5	19:20	71.7	71.7	68.3
			19:25	71.6	73.7	67.1
			19:30	72.8	77.3	69.6
			19:35	71.5	76.5	68.6
			19:40	72	76.4	69.3
			19:45	71.4	75.1	68.6
			19:50	71.9	76.7	67.8
15/04/2011	Fine	<5	19:00	71.7	78.1	71
			19:05	72	78.9	69.9
			19:10	71.4	79.6	70.7
			19:15	71.2	75.2	68.3
			19:20	71.5	75.8	68.5
			19:25	71.4	74.9	68.1
16/04/2011	Fine	<5	19:00	70.9	72.6	68.7
			19:05	70.4	74	68.6
			19:10	71.8	74.6	68.3
			19:15	72	75.2	66.5
			19:20	71.7	75	64.9
			19:25	70.4	72.5	63.4
22/04/2011	Fine	<5	12:00	70.9	72.7	69
			12:05	70.9	73	68.8
			12:10	70.8	73.1	68.9
			12:15	70.5	72.8	68.2
			12:20	70.7	73.5	69.1
			12:25	70.3	73.1	68.6
23/04/2011	Fine	<5	12:20	71.3	73.6	69.9
			12:25	71	73.9	69.7
			12:30	71.1	74.0	69.8
			12:35	71.6	73.7	69.0
			12:40	70.9	74.4	70.0
			12:45	71.2	74.0	69.4
24/04/2011	Fine	<5	12:20	71.6	71.8	68.2
			12:25	71.6	72.1	68.0
			12:30	71.6	72.2	68.1
			12:35	71.7	71.9	67.4
			12:40	71.5	72.6	68.3
			12:45	71.6	71.9	68.0
25/04/2011	Fine	<5	12:15	70.7	72.1	68.4
			12:20	70.4	72.4	68.2
			12:25	70.5	72.5	68.3
			12:30	71.0	72.2	67.6
			12:35	70.3	72.9	68.5
			12:40	70.6	72.5	68.0
			19:00	71.5	72.9	69.2
			19:05	71.2	73.2	69.0

26/04/2011	Fine	<5	19:10	71.3	73.3	69.1
			19:15	71.8	73.0	68.3
			19:20	71.1	73.7	69.3
			19:25	71.4	73.3	68.7
27/04/2011	Fine	<5	19:00	71.3	72.6	69.0
			19:05	71.0	72.9	68.8
			19:10	71.1	73.0	68.9
			19:15	71.6	72.7	68.2
			19:20	70.9	73.4	69.1
			19:30	71.2	73.0	68.6
28/04/2011	Fine	<5	19:00	71.8	73.2	69.5
			19:05	71.5	73.5	69.3
			19:10	71.6	73.6	69.4
			19:15	72.1	73.3	68.7
			19:20	71.4	74.0	69.6
			19:25	71.7	73.6	69.1

Average	71.3	dB(A)
Max	73.8	dB(A)
Min	68.4	dB(A)

Noise Monitoring Station: M2b - Noon-day gun area

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	12:00	66.2	67.8	64.2
			12:30	66.2	67.7	64.2
26/05/2011	Fine	<5	12:00	68.5	72.8	65.0
			12:30	67.8	68.9	65.3
27/05/2011	Fine	<5	12:00	68.5	72.1	65.2
			12:30	67.0	67.9	63.9
28/05/2011	Fine	<5	12:00	66.4	68.0	64.4
			12:30	66.4	67.9	64.4
30/05/2011	Fine	<5	12:00	66.3	68.7	63.9
			12:30	67.8	68.6	65.4
31/05/2011	Fine	<5	12:00	67.6	68.7	65.1
			12:30	67.3	68.9	64.9
01/06/2011	Fine	<5	12:00	68.9	73.2	65.4
			12:30	67.1	68.6	65.0
02/06/2011	Fine	<5	12:00	68.7	72.3	65.4
			12:30	67.2	68.1	64.1
03/06/2011	Fine	<5	12:00	66.6	69.3	64.4
			12:30	66.5	68.9	64.1
04/06/2011	Fine	<5	12:00	68.0	68.8	65.6
			12:30	67.8	68.9	65.3
07/06/2011	Fine	<5	12:00	68.0	69.6	65.6
			12:30	67.5	69.1	65.0
08/06/2011	Fine	<5	12:00	67.6	69.3	65.1
			12:30	67.1	68.6	65.0

Average	67.6	dB(A)
Max	68.9	dB(A)
Min	66.3	dB(A)

Noise Monitoring Station: M2b - Noon-day gun area

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	19:00	66.0	68.6	64.2
			19:05	66.6	68.8	64.9
			19:10	66.1	67.6	64.2
			19:15	65.7	67.2	64.4
			19:20	66.0	67.6	64.6
			19:25	66.9	67.8	64.4
			19:30	65.7	66.3	64.2
			19:35	65.7	68.4	64.4
			19:40	66.0	67.3	64.2
			19:45	64.9	66.2	64.3
			19:50	65.8	67.8	64.3
			19:55	65.6	68.6	64.9
			20:00	66.4	68.5	64.1
			20:05	65.8	66.6	63.8
			20:10	66.1	67.6	63.8
			20:15	66.8	68.1	64.8
			20:20	65.4	67.8	63.8
			20:25	66.1	67.4	64.6
			20:30	65.3	67.1	64.6
			20:35	66.1	67.8	65.2
			20:40	66.1	67.8	64.7
			20:45	66.1	67.1	64.5
			20:50	65.9	67.0	63.6
			20:55	65.1	67.4	64.3
			21:00	66.2	67.6	64.6
			21:05	66.2	67.8	64.4
			21:10	66.1	68.5	64.2
			21:15	66.4	67.9	64.2
			21:20	66.7	68.4	65.1
			21:25	66.6	67.5	63.6
			21:30	66.3	67.8	64.5
			21:35	65.8	66.4	64.3
			21:40	65.7	68.0	64.3
			21:45	66.7	67.9	63.7
			21:50	64.9	67.4	64.1
			21:55	65.3	67.0	64.4
			22:00	65.6	67.3	65.1
			22:05	66.2	67.9	64.1
			22:10	65.5	67.8	65.0
			22:15	64.7	67.8	64.5

			22:20	65.6	67.2	64.4
			22:25	65.9	67.0	64.3
			22:30	66.7	67.5	63.8
			22:35	66.2	67.4	64.7
			22:40	66.4	68.3	64.2
			22:45	66.1	66.7	64.0
			22:50	66.2	67.8	64.8
			22:55	65.9	68.3	64.2
26/05/2011	Fine	<5	19:00	65.8	67.4	64.4
			19:05	65.4	68.1	64.0
			19:10	65.6	67.5	63.8
			19:15	65.5	67.8	64.9
			19:20	65.2	67.6	64.3
			19:25	66.3	67.6	64.8
			19:30	65.6	67.0	64.2
			19:35	65.0	67.2	63.7
			19:40	66.1	66.9	64.1
			19:45	65.8	67.4	64.1
			19:50	66.7	68.2	63.9
			19:55	65.7	67.4	63.7
			20:00	66.7	67.4	63.9
			20:05	65.8	66.9	64.5
			20:10	66.5	67.8	63.8
			20:15	66.6	67.6	63.8
			20:20	65.0	66.6	63.8
			20:25	65.3	67.5	63.7
			20:30	65.9	67.5	63.7
			20:35	66.2	67.8	64.4
			20:40	65.8	66.8	64.3
			20:45	66.1	67.5	65.0
			20:50	65.8	67.3	64.5
			20:55	66.1	68.2	64.7
			21:00	64.7	67.2	64.1
			21:05	65.5	66.8	64.0
			21:10	66.2	68.2	65.0
			21:15	65.2	67.7	64.4
			21:20	65.5	67.0	63.6
			21:25	64.8	67.5	64.6
			21:30	67.0	68.4	64.4
			21:35	66.1	67.6	64.1
			21:40	66.2	68.0	64.5
			21:45	64.9	67.8	64.6
			21:50	65.2	66.6	63.9
			21:55	66.2	68.5	64.9
			22:00	65.9	67.3	64.0
			22:05	65.2	67.2	64.6

			22:10	66.2	67.6	64.7
			22:15	65.7	66.4	63.5
			22:20	65.9	67.7	64.5
			22:25	65.8	67.0	64.2
			22:30	65.7	68.2	63.9
			22:35	66.6	66.7	63.5
			22:40	65.1	68.2	64.4
			22:45	65.1	67.8	64.3
			22:50	66.0	68.5	65.0
			22:55	66.9	68.5	64.6
27/05/2011	Fine	<5	19:00	65.9	67.4	64.2
			19:05	66.0	67.1	63.6
			19:10	65.7	67.5	64.1
			19:15	66.7	68.6	64.6
			19:20	66.6	67.8	64.4
			19:25	66.2	67.4	64.1
			19:30	66.3	66.8	64.1
			19:35	65.1	67.6	64.7
			19:40	65.8	67.1	64.6
			19:45	65.9	66.8	64.3
			19:50	65.6	68.2	64.4
			19:55	65.5	67.7	64.1
			20:00	65.1	67.2	64.0
			20:05	66.1	68.3	64.2
			20:10	65.7	67.5	64.4
			20:15	65.2	67.6	64.6
			20:20	65.6	66.9	64.3
			20:25	65.5	67.3	64.6
			20:30	65.3	68.2	64.3
			20:35	66.6	68.2	64.5
			20:40	65.6	67.8	64.5
			20:45	65.7	67.0	64.0
			20:50	65.1	66.5	63.6
			20:55	66.1	67.0	64.4
			21:00	66.3	67.8	65.0
			21:05	65.4	67.6	64.2
			21:10	65.6	67.3	63.7
			21:15	66.4	67.8	64.1
			21:20	66.2	67.9	64.3
			21:25	65.1	66.5	63.7
			21:30	65.7	67.8	64.3
			21:35	66.6	67.6	64.5
			21:40	66.3	67.7	64.7
			21:45	66.2	67.8	65.1
			21:50	66.2	68.2	64.1
			21:55	65.5	67.7	65.1

			22:00	65.5	66.7	63.9
			22:05	66.2	67.1	64.3
			22:10	65.6	67.5	64.6
			22:15	65.5	67.0	64.4
			22:20	65.0	67.6	64.7
			22:25	66.1	67.5	63.9
			22:30	65.6	67.9	64.7
			22:35	66.3	67.8	64.6
			22:40	66.5	68.2	64.3
			22:45	66.3	67.9	63.6
			22:50	66.0	66.8	63.8
			22:55	65.4	67.0	64.1
28/05/2011	Fine	<5	19:00	65.4	67.1	64.1
			19:05	65.8	67.1	64.7
			19:10	65.7	67.3	64.6
			19:15	66.2	67.9	63.9
			19:20	65.2	66.8	64.2
			19:25	66.0	67.9	64.6
			19:30	66.1	68.2	64.2
			19:35	66.6	68.5	64.8
			19:40	66.3	68.3	64.6
			19:45	65.7	67.8	64.9
			19:50	66.1	67.6	64.1
			19:55	66.2	68.0	64.3
			20:00	66.0	67.8	64.6
			20:05	64.9	66.8	64.1
			20:10	65.0	66.6	63.8
			20:15	65.3	68.0	64.6
			20:20	65.3	67.8	64.3
			20:25	66.5	67.2	64.1
			20:30	66.3	67.2	64.4
			20:35	65.8	67.4	63.9
			20:40	65.9	68.3	64.4
			20:45	66.0	67.2	64.2
			20:50	64.7	66.8	64.2
			20:55	65.7	66.9	64.3
			21:00	65.8	67.4	63.8
			21:05	66.2	67.6	64.6
			21:10	66.7	67.0	63.6
			21:15	65.1	66.8	64.1
			21:20	65.7	66.5	64.0
			21:25	66.2	68.3	64.7
			21:30	65.9	66.6	64.4
			21:35	65.5	67.5	63.9
			21:40	65.5	68.0	64.3
			21:45	65.3	68.0	65.2

			21:50	66.6	67.9	64.3
			21:55	66.6	67.2	64.5
			22:00	65.2	66.3	63.9
			22:05	65.8	67.5	64.8
			22:10	65.1	67.7	64.4
			22:15	66.3	68.0	63.9
			22:20	65.2	67.0	63.9
			22:25	66.0	67.9	64.3
			22:30	64.9	67.4	64.3
			22:35	66.3	67.6	63.5
			22:40	66.0	67.7	64.3
			22:45	66.5	68.1	64.4
			22:50	65.2	66.5	63.5
			22:55	65.9	68.2	63.8
29/05/2011	Fine	<5	19:00	66.5	68.4	64.3
			19:05	66.0	68.1	65.1
			19:10	66.0	68.8	65.2
			19:15	65.2	67.4	64.5
			19:20	65.3	66.8	63.9
			19:25	65.6	67.5	63.9
			19:30	66.2	68.1	64.9
			19:35	66.0	68.4	65.2
			19:40	65.3	67.8	64.1
			19:45	65.0	66.5	63.7
			19:50	65.2	67.2	63.8
			19:55	65.1	67.5	64.2
			20:00	65.5	67.6	64.6
			20:05	66.3	67.3	63.7
			20:10	66.0	67.5	64.4
			20:15	65.5	67.3	64.2
			20:20	65.2	67.6	64.4
			20:25	66.0	67.2	64.0
			20:30	65.8	68.0	64.3
			20:35	66.5	68.4	65.0
			20:40	66.0	67.4	64.1
			20:45	65.9	68.1	64.3
			20:50	65.2	67.8	64.7
			20:55	65.8	68.2	64.5
			21:00	65.9	67.5	63.7
			21:05	65.6	67.2	63.8
			21:10	65.6	67.3	65.0
			21:15	65.9	67.8	64.2
			21:20	65.4	67.8	65.0
			21:25	65.7	67.7	64.9
			21:30	65.7	66.8	64.2
			21:35	66.8	67.4	64.9

			21:40	65.6	66.4	63.6
			21:45	65.9	68.0	64.4
			21:50	65.7	67.2	64.7
			21:55	65.1	66.8	63.9
			22:00	66.3	67.5	64.0
			22:05	66.9	67.9	64.4
			22:10	65.0	66.7	64.3
			22:15	66.5	68.3	64.7
			22:20	66.1	67.2	64.6
			22:25	66.1	67.5	63.5
			22:30	65.5	67.3	64.7
			22:35	65.2	67.4	64.2
			22:40	64.9	68.0	64.8
			22:45	65.6	67.4	64.4
			22:50	65.6	67.4	63.9
			22:55	65.5	67.8	64.5
30/05/2011	Fine	<5	19:00	65.7	68.1	65.0
			19:05	65.8	68.4	64.6
			19:10	65.9	68.4	64.1
			19:15	64.9	67.3	63.8
			19:20	66.6	68.0	64.4
			19:25	65.3	67.4	64.1
			19:30	65.8	68.2	64.3
			19:35	65.8	67.0	64.7
			19:40	65.2	66.7	63.9
			19:45	65.7	67.3	64.5
			19:50	64.8	66.6	64.2
			19:55	66.2	67.6	64.5
			20:00	65.8	67.8	63.7
			20:05	66.4	68.1	64.3
			20:10	66.0	67.4	63.7
			20:15	65.3	67.7	64.4
			20:20	66.0	68.1	64.2
			20:25	65.3	68.0	64.8
			20:30	65.7	68.1	64.6
			20:35	65.8	66.9	64.2
			20:40	66.4	67.8	64.7
			20:45	66.1	68.3	64.4
			20:50	65.1	67.5	64.1
			20:55	66.0	68.4	65.1
			21:00	66.0	67.6	64.7
			21:05	66.6	67.9	64.5
			21:10	65.6	68.0	65.0
			21:15	66.6	67.7	63.7
			21:20	65.7	67.3	63.5
			21:25	64.9	67.7	64.3

			21:30	65.7	67.7	65.1
			21:35	65.8	68.2	64.9
			21:40	66.2	68.1	64.3
			21:45	65.9	67.4	64.4
			21:50	65.3	67.5	64.2
			21:55	64.8	66.5	64.2
			22:00	65.4	67.2	64.3
			22:05	65.6	67.0	63.9
			22:10	66.2	68.1	64.2
			22:15	65.7	67.9	64.8
			22:20	65.8	67.8	63.8
			22:25	65.2	67.9	65.2
			22:30	65.5	67.4	64.1
			22:35	65.0	67.5	64.4
			22:40	66.1	66.2	64.2
			22:45	66.6	67.8	64.1
			22:50	65.5	68.3	65.3
			22:55	65.9	66.8	64.5
31/05/2011	Fine	<5	19:00	66.0	67.7	63.5
			19:05	65.7	67.5	63.9
			19:10	66.2	68.6	64.6
			19:15	65.4	66.5	64.2
			19:20	65.5	68.0	64.3
			19:25	66.3	67.6	64.1
			19:30	66.0	68.1	64.3
			19:35	65.8	66.3	63.6
			19:40	65.9	67.4	64.4
			19:45	66.8	67.7	64.2
			19:50	66.3	68.7	65.1
			19:55	66.1	67.3	64.2
			20:00	66.0	67.9	64.7
			20:05	65.1	67.0	64.1
			20:10	65.8	67.7	64.3
			20:15	65.1	66.9	64.3
			20:20	65.9	67.7	64.1
			20:25	65.5	67.7	64.0
			20:30	65.7	67.6	64.3
			20:35	65.3	67.4	64.2
			20:40	65.4	67.8	64.2
			20:45	66.6	68.4	64.2
			20:50	65.2	67.4	65.1
			20:55	65.2	67.3	64.4
			21:00	66.0	68.0	64.1
			21:05	65.3	67.3	64.4
			21:10	65.6	67.4	64.7
			21:15	66.1	67.9	64.5

			21:20	65.4	68.1	64.2
			21:25	65.7	67.4	65.0
			21:30	65.9	67.3	64.3
			21:35	65.4	67.9	64.5
			21:40	65.4	66.9	64.0
			21:45	65.4	67.4	63.8
			21:50	65.7	67.8	64.2
			21:55	65.4	68.0	64.2
			22:00	65.5	67.5	65.2
			22:05	65.9	66.9	64.2
			22:10	66.1	67.9	64.8
			22:15	66.2	67.7	64.7
			22:20	65.7	66.2	64.0
			22:25	66.0	68.0	64.0
			22:30	65.6	67.0	64.4
			22:35	65.2	67.7	64.0
			22:40	65.8	66.8	64.4
			22:45	65.0	67.3	64.6
			22:50	65.8	67.5	63.6
			22:55	64.6	67.3	64.5
01/06/2011	Fine	<5	19:00	64.9	65.8	64.2
			19:05	65.1	66.6	65.0
			19:10	65.1	65.8	64.4
			19:15	64.7	66.4	64.6
			19:20	64.7	65.6	64.2
			19:25	64.4	65.3	63.7
			19:30	64.4	65.7	63.9
			19:35	64.9	65.7	64.3
			19:40	64.9	66.1	64.0
			19:45	65.3	67.0	65.1
			19:50	65.1	66.6	64.4
			19:55	65.4	65.6	65.3
			20:00	65.7	66.7	64.8
			20:05	65.8	66.2	64.9
			20:10	64.9	65.8	64.2
			20:15	65.3	66.2	65.2
			20:20	65.1	66.1	64.6
			20:25	64.7	65.5	64.2
			20:30	65.4	67.1	65.0
			20:35	64.6	65.0	64.2
			20:40	65.7	66.3	65.2
			20:45	65.3	66.4	64.4
			20:50	64.9	66.7	64.2
			20:55	64.1	65.5	63.4
			21:00	65.9	67.3	65.5
			21:05	65.8	66.3	65.2

			21:10	65.9	66.2	65.3
			21:15	65.1	66.3	64.4
			21:20	65.0	66.1	64.1
			21:25	64.7	65.7	63.9
			21:30	64.7	64.8	63.7
			21:35	64.3	66.2	63.3
			21:40	65.4	66.8	64.9
			21:45	65.9	66.7	65.5
			21:50	65.7	67.3	65.2
			21:55	65.7	66.6	65.5
			22:00	65.3	66.7	64.4
			22:05	65.9	67.8	65.5
			22:10	66.7	67.7	66.6
			22:15	65.3	65.8	64.4
			22:20	65.4	66.2	64.9
			22:25	64.6	65.7	64.0
			22:30	64.7	65.7	64.1
			22:35	63.9	65.0	63.2
			22:40	64.3	65.0	63.8
			22:45	64.2	64.7	63.4
			22:50	64.3	65.8	63.4
			22:55	65.3	66.8	65.1
02/06/2011	Fine	<5	19:20	66.0	67.6	64.3
			19:25	65.7	67.3	63.4
			19:30	67.7	69.8	65.3
			19:35	68.3	71.2	65.2
			19:40	66.7	68.2	64.6
			19:45	66.6	67.8	64.4
			19:50	66.8	68.5	64.5
			19:55	66.8	68.7	64.3
			20:00	66.7	68.6	64.6
			20:05	66.5	68.4	64.2
			20:20	66.6	68.1	65.0
			20:15	65.5	66.9	63.8
			20:20	66.2	67.5	64.7
			20:25	66.2	67.9	64.1
			20:30	67.5	69.0	64.9
			20:35	66.8	68.2	64.6
			20:40	65.8	67.1	64.1
			20:45	65.9	67.3	64.0
			20:50	66.0	67.2	64.2
			20:55	65.7	67.1	64.2
			21:00	65.9	67.1	64.0
			21:05	67.3	69.0	64.9
			21:10	65.6	67.2	63.6
			21:15	66.2	68.0	64.1

			21:20	66.1	67.6	64.0
			21:25	65.9	67.5	64.1
			21:30	66.2	67.7	64.2
			21:35	66.0	67.5	64.0
			21:40	66.2	67.9	64.2
			21:45	65.7	67.0	64.1
			21:50	65.3	66.8	63.5
			21:55	66.2	67.9	64.4
			22:00	65.4	66.6	64.2
			22:05	66.2	67.9	64.2
			22:10	66.5	68.0	64.4
			22:15	66.6	68.4	64.4
			22:20	65.5	66.7	63.9
			22:25	65.2	66.5	63.7
			22:30	65.2	66.7	63.4
			22:35	65.8	67.4	63.8
			22:40	65.6	66.9	63.7
			22:45	67.2	69.3	64.4
			22:50	66.2	67.7	64.6
			22:55	67.2	68.7	65.4
03/06/2011	Fine	<5	19:33	66.4	67.0	65.9
			19:38	67.0	67.4	66.2
			19:43	66.5	66.6	66.0
			19:48	65.7	66.0	65.6
			19:53	67.0	67.3	66.3
			19:58	65.6	65.7	65.0
			20:04	65.8	66.0	65.7
			20:09	66.0	66.1	65.7
			20:15	66.5	67.4	66.4
			20:20	65.7	65.9	65.6
			20:25	66.0	66.4	65.4
			20:31	67.0	67.2	66.4
			20:36	66.0	66.5	65.3
			20:41	65.4	65.6	65.2
			20:46	65.6	65.7	64.9
			20:51	66.1	66.3	65.9
			20:57	67.0	67.2	66.7
			21:02	66.5	67.1	65.7
			21:07	65.7	65.8	64.8
			21:12	66.0	66.1	65.8
			21:17	65.6	65.8	65.3
			21:22	65.4	65.7	64.6
			21:27	66.1	66.7	65.8
			21:32	65.8	66.7	65.2
			21:37	65.7	66.2	65.3
			21:42	65.8	66.4	65.8

			21:48	65.6	66.0	65.3
			21:53	66.2	66.8	66.2
			21:58	66.0	66.3	65.8
			22:04	65.6	66.3	65.2
			22:09	65.9	66.7	65.0
			22:14	66.3	67.3	65.9
			22:20	65.4	65.7	65.4
			22:25	65.3	66.1	64.7
			22:30	65.2	66.1	65.1
			22:36	66.5	66.7	66.2
			22:41	66.2	67.0	65.9
			22:46	65.9	66.5	65.4
			22:51	65.4	65.8	65.1
			22:56	65.8	66.7	65.4
04/06/2011	Fine	<5	19:28	66.5	67.1	64.7
			19:33	66.5	67.0	64.3
			19:38	66.2	66.7	64.7
			19:44	66.8	67.3	64.1
			19:49	65.9	67.1	64.6
			19:55	66.8	67.8	63.6
			20:00	66.3	67.4	64.0
			20:07	66.6	67.2	64.9
			20:12	66.7	68.0	64.8
			20:17	66.2	67.8	64.8
			20:22	66.0	66.7	64.1
			20:27	65.9	66.3	65.0
			20:33	66.1	66.7	65.2
			20:38	65.9	66.8	65.4
			20:43	65.7	66.9	64.8
			20:48	66.0	66.9	64.5
			20:53	65.6	66.3	64.7
			20:58	65.8	66.9	64.6
			21:03	65.5	66.6	65.4
			21:09	65.7	67.2	64.2
			21:14	66.0	66.1	65.2
			21:19	66.3	66.8	64.9
			21:24	66.0	67.2	64.5
			21:29	65.3	65.9	63.6
			21:34	65.8	66.2	65.2
			21:39	65.3	66.0	65.1
			21:45	66.3	67.8	65.3
			21:50	65.4	66.5	64.6
			21:55	65.8	66.9	65.0
			22:00	66.1	66.4	64.6
			22:05	65.8	66.2	64.1
			22:10	66.4	67.3	63.4

			22:15	65.3	66.1	65.2
			22:20	65.6	65.8	65.2
			22:25	65.9	67.6	64.9
			22:30	66.2	67.5	65.1
			22:35	67.0	67.9	64.7
			22:41	66.5	67.9	65.2
			22:46	66.8	67.3	66.0
			22:51	65.2	65.9	65.1
			22:56	66.3	67.5	65.1
05/06/2011	Fine	<5	19:31	65.4	66.9	64.5
			19:36	66.0	67.6	66.0
			19:41	65.9	66.4	65.2
			19:46	65.7	66.2	65.6
			19:51	65.9	66.7	65.7
			19:56	65.4	66.6	64.6
			20:01	65.0	65.8	64.3
			20:06	65.4	65.9	65.0
			20:11	65.2	65.5	64.6
			20:17	66.2	67.2	66.1
			20:22	66.4	67.4	65.8
			20:27	65.5	65.9	64.8
			20:32	64.9	65.5	64.9
			20:37	65.4	67.2	64.6
			20:43	65.3	66.6	64.6
			20:48	65.0	66.1	64.3
			20:54	66.1	67.7	65.5
			21:02	65.1	66.1	64.3
			21:07	65.6	67.2	65.4
			21:12	67.4	68.5	67.3
			21:17	67.5	69.3	67.2
			21:22	66.2	67.8	66.0
			21:27	65.3	66.3	65.1
			21:32	65.4	65.9	64.5
			21:37	66.0	66.9	65.8
			21:42	65.0	66.4	64.5
			21:47	65.8	67.5	65.4
			21:52	66.0	67.0	65.2
			21:57	66.1	67.3	65.1
			22:04	65.7	66.9	64.9
			22:09	64.9	66.2	64.3
			22:14	65.6	65.9	65.6
			22:19	65.3	66.2	64.4
			22:24	64.8	65.6	64.3
			22:29	64.6	65.1	64.3
			22:34	65.5	66.4	65.0
			22:39	65.1	66.3	64.2

			22:44	65.5	66.6	65.4
			22:49	64.9	66.4	64.3
			22:55	64.9	66.4	64.3
06/06/2011	Fine	<5	19:28	66.4	67.2	65.8
			19:33	66.8	67.6	66.0
			19:38	66.0	67.7	65.6
			19:43	66.9	67.9	66.8
			19:48	65.9	67.4	65.7
			19:53	66.5	67.2	65.5
			19:58	66.3	67.1	66.1
			20:03	66.5	67.7	66.3
			20:08	66.9	67.9	66.6
			20:13	66.2	67.7	65.2
			20:18	66.0	66.8	65.7
			20:23	66.9	67.3	66.1
			20:28	66.5	67.1	65.7
			20:33	65.5	66.5	65.1
			20:38	65.6	67.1	65.0
			20:43	65.5	66.5	64.7
			20:48	66.1	67.0	65.3
			20:54	65.4	66.8	65.2
			20:59	64.8	66.1	64.2
			21:05	65.0	65.6	64.4
			21:10	64.7	65.8	63.9
			21:15	64.9	65.6	64.3
			21:20	65.3	66.5	64.9
			21:25	65.4	66.3	65.2
			21:31	64.9	65.7	64.0
			21:36	65.6	66.7	64.8
			21:41	65.3	66.5	64.4
			21:46	65.2	66.8	65.1
			21:51	64.8	65.7	64.7
			21:56	64.5	65.9	63.6
			22:01	65.9	67.1	64.9
			22:06	66.1	67.2	65.1
			22:11	65.2	65.9	64.6
			22:16	64.9	65.8	64.1
			22:21	64.8	66.4	64.0
			22:27	65.2	66.8	64.4
			22:32	64.9	65.5	64.8
			22:37	65.5	67.0	64.7
			22:42	65.7	66.8	65.0
			22:47	65.4	66.0	64.5
			22:52	64.9	66.5	64.3
			22:57	64.8	65.3	64.1
			19:00	65.6	67.1	64.0

07/06/2011	Fine	<5	19:05	66.2	67.9	64.4
			19:10	66.6	68.1	64.2
			19:15	66.5	68.2	64.0
			19:20	67.0	68.9	64.9
			19:25	66.0	67.8	64.5
			19:30	66.1	67.8	64.3
			19:35	66.7	68.2	64.5
			19:40	67.2	68.8	64.9
			19:45	66.5	68.4	64.4
			19:50	66.5	68.3	64.2
			19:55	66.2	67.9	64.3
			20:00	66.1	67.5	63.8
			20:05	65.9	67.4	64.2
			20:10	65.7	67.3	64.1
			20:15	66.0	67.2	64.2
			20:20	65.8	67.2	64.1
			20:25	65.6	67.0	63.8
			20:30	67.9	70.4	64.3
			20:35	66.0	67.1	63.6
			20:40	65.0	66.3	63.4
			20:45	65.9	67.5	64.0
			20:50	65.3	66.7	63.4
			20:55	66.1	67.2	63.5
			21:00	65.4	66.5	64.1
			21:05	66.1	67.0	63.8
			21:10	68.4	70.2	63.7
			21:15	66.4	67.8	64.3
			21:20	65.0	66.1	63.2
			21:25	65.5	66.5	63.7
			21:30	65.3	66.7	63.5
			21:35	65.0	66.5	63.4
			21:40	65.2	66.6	63.1
			21:45	65.3	66.6	63.7
			21:50	65.1	66.5	63.5
			21:55	64.6	66.0	63.1
			22:00	65.8	67.5	63.6
			22:05	65.5	67.2	63.1
			22:10	65.0	66.6	63.5
			22:15	65.0	66.5	63.5
			22:20	65.0	66.3	63.7
			22:25	64.9	66.4	63.3
			22:30	64.8	66.5	62.8
			22:35	65.2	66.6	63.5
			22:40	65.8	67.4	63.6
			22:45	65.6	67.1	63.7
			22:50	65.2	66.8	63.5

			22:55	64.8	66.3	63.0
08/06/2011	Fine	<5	19:00	64.8	66.3	63.2
			19:05	66.6	68.3	64.8
			19:10	64.5	66.0	62.1
			19:15	66.5	68.2	64.0
			19:20	66.9	68.8	64.8
			19:25	65.7	67.5	64.2
			19:30	64.5	66.2	62.7
			19:35	66.8	68.3	64.6
			19:40	65.7	67.3	63.4
			19:45	66.7	68.6	64.6
			19:50	65.7	67.5	63.4
			19:55	66.1	67.8	64.2
			20:00	66.1	67.5	63.8
			20:05	64.3	65.8	62.6
			20:10	65.9	67.5	64.3
			20:15	65.3	66.5	63.5
			20:20	65.6	67.0	63.9
			20:25	64.8	66.2	63.0
			20:30	67.8	70.3	64.2
			20:35	67.6	68.7	65.2
			20:40	63.9	65.2	62.3
			20:45	64.6	66.2	62.7
			20:50	63.6	65.0	61.7
			20:55	66.3	67.4	63.7
			21:00	64.0	65.1	62.7
			21:05	66.8	67.7	64.5
			21:10	69.3	71.1	64.6
			21:15	65.2	66.6	63.1
			21:20	63.6	64.7	61.8
			21:25	64.6	65.6	62.8
			21:30	66.0	67.4	64.2
			21:35	64.8	66.3	63.2
			21:40	65.5	66.9	63.4
			21:45	65.3	66.6	63.7
			21:50	64.1	65.5	62.5
			21:55	64.7	66.1	63.2
			22:00	65.5	67.2	63.3
			22:05	63.4	65.1	61.0
			22:10	64.4	66.0	62.9
			22:15	65.4	66.9	63.9
			22:20	65.3	66.6	64.0
			22:25	64.2	65.7	62.6
			22:30	64.8	66.5	62.8
			22:35	65.4	66.8	63.7
			22:40	65.1	66.7	62.9

			22:45	64.8	66.3	62.9
			22:50	65.0	66.6	63.3
			22:55	64.6	66.1	62.8

Average	65.8	dB(A)
Max	69.3	dB(A)
Min	63.4	dB(A)

Noise Monitoring Station: M2b - Noon-day gun area

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	23:00	66.1	67.9	64.0
			23:05	65.7	67.8	64.7
			23:10	65.6	66.7	63.8
			23:15	65.1	66.8	64.3
			23:20	64.8	66.7	64.2
			23:25	64.9	67.6	63.6
			23:30	65.6	68.0	64.3
			23:35	65.8	67.6	63.5
			23:40	65.2	67.5	63.9
			23:45	66.4	67.2	64.0
			23:50	66.6	68.3	64.9
			23:55	65.9	68.3	63.7
26/05/2011	Fine	<5	23:00	65.3	68.5	63.9
			23:05	65.9	67.7	65.1
			23:10	65.7	66.5	63.4
			23:15	65.4	66.9	64.2
			23:20	65.5	67.0	63.6
			23:25	66.0	67.2	63.5
			23:30	65.9	68.4	63.9
			23:35	65.2	67.6	64.2
			23:40	65.6	67.8	63.5
			23:45	64.8	68.1	63.7
			23:50	65.7	68.7	65.1
			23:55	65.7	68.4	63.6
27/05/2011	Fine	<5	23:00	66.5	68.4	64.2
			23:05	66.1	67.5	65.0
			23:10	64.8	66.5	63.5
			23:15	65.5	67.1	63.8
			23:20	64.8	66.5	64.4
			23:25	64.8	67.2	64.2
			23:30	66.3	68.2	64.4
			23:35	64.9	67.5	63.6
			23:40	65.4	67.3	63.9
			23:45	65.2	67.7	63.7
			23:50	65.5	68.6	64.4
			23:55	65.0	68.3	64.1
			23:00	65.6	68.5	63.7
			23:05	65.8	68.1	64.4
			23:10	64.3	67.2	63.9
			23:15	65.1	67.6	64.0

28/05/2011	Fine	<5	23:20	65.7	66.9	63.8
			23:25	65.3	67.8	64.0
			23:30	65.7	67.6	63.6
			23:35	65.2	67.4	64.3
			23:40	64.7	67.1	64.4
			23:45	65.1	67.9	63.5
			23:50	66.8	68.1	64.5
			23:55	65.6	68.2	64.2
29/05/2011	Fine	<5	23:00	65.6	68.6	63.8
			23:05	65.7	68.1	64.6
			23:10	64.7	66.4	63.6
			23:15	65.3	67.0	63.4
			23:20	65.8	67.2	64.1
			23:25	65.8	67.8	64.4
			23:30	65.7	67.5	63.6
			23:35	65.6	67.9	64.0
			23:40	66.0	67.8	64.0
			23:45	64.4	66.6	62.5
			23:50	64.5	67.8	63.4
			23:55	64.6	67.1	63.2
30/05/2011	Fine	<5	23:00	65.8	68.5	64.2
			23:05	65.7	68.1	65.2
			23:10	64.6	67.4	63.6
			23:15	65.9	66.8	63.7
			23:20	65.5	66.8	64.0
			23:25	66.2	66.9	64.4
			23:30	65.3	67.4	63.8
			23:35	65.3	67.6	63.4
			23:40	65.0	67.9	63.7
			23:45	65.1	66.4	62.4
			23:50	65.2	67.2	64.2
			23:55	64.7	67.5	63.2
31/05/2011	Fine	<5	23:00	66.1	68.0	64.7
			23:05	65.9	68.2	64.5
			23:10	65.7	67.1	63.6
			23:15	65.6	67.3	63.4
			23:20	64.5	66.7	63.5
			23:25	65.1	67.3	64.1
			23:30	66.5	67.8	64.2
			23:35	65.9	67.6	63.6
			23:40	65.8	67.0	64.3
			23:45	64.9	66.5	63.2
			23:50	65.4	67.8	64.1
			23:55	64.8	67.1	62.7
			23:00	64.7	66.2	63.5
			23:05	65.1	67.6	63.5

01/06/2011	Fine	<5	23:10	64.8	66.6	63.7
			23:15	64.3	65.7	63.0
			23:20	64.5	66.3	63.5
			23:25	64.1	65.2	63.5
			23:30	63.9	65.5	63.1
			23:35	64.1	65.9	62.8
			23:40	64.5	65.3	63.8
			23:45	64.3	66.5	62.7
			23:50	64.2	65.7	63.3
			23:55	64.7	65.5	64.0
02/06/2011	Fine	<5	23:00	66.0	67.6	63.7
			23:05	66.0	67.5	64.2
			23:10	64.9	66.4	63.0
			23:15	65.2	66.7	63.3
			23:20	65.1	66.4	63.4
			23:25	65.5	66.9	63.5
			23:30	65.8	67.4	63.5
			23:35	65.4	67.2	63.3
			23:40	65.6	67.0	63.4
			23:45	65.4	67.1	63.3
			23:50	66.3	67.9	64.2
			23:55	65.7	67.6	63.4
03/06/2011	Fine	<5	23:02	66.3	67.7	65.3
			23:07	67.0	68.4	66.3
			23:12	66.5	68.0	65.2
			23:17	65.8	67.2	65.2
			23:22	65.9	66.7	65.3
			23:27	66.0	67.0	65.5
			23:32	65.3	66.6	64.6
			23:37	66.0	68.6	64.3
			23:42	66.1	67.2	65.9
			23:48	65.9	67.7	65.1
			23:53	65.4	66.7	64.1
			23:58	65.3	66.9	64.4
04/06/2011	Fine	<5	23:01	67.0	68.8	65.5
			23:06	64.8	66.2	64.2
			23:11	65.3	65.9	65.0
			23:16	65.0	67.0	63.6
			23:21	64.9	66.7	64.1
			23:26	64.5	66.6	63.3
			23:31	65.0	65.7	64.3
			23:36	64.6	65.1	64.3
			23:41	65.1	66.3	64.1
			23:46	64.9	66.2	64.3
			23:51	65.3	66.9	64.5
			23:57	64.7	66.0	63.9

05/06/2011	Fine	<5	23:00	65.1	67.0	63.6
			23:05	65.3	67.5	63.9
			23:10	64.9	67.3	63.5
			23:15	65.1	66.2	64.7
			23:20	65.3	67.1	64.5
			23:26	65.0	66.3	63.9
			23:31	66.0	67.0	65.4
			23:36	64.8	66.2	64.3
			23:41	65.5	67.7	64.2
			23:46	65.1	66.8	64.3
			23:51	65.3	66.9	64.4
			23:56	64.9	66.6	63.8
06/06/2011	Fine	<5	23:02	65.9	67.5	64.5
			23:07	66.0	67.9	64.7
			23:12	64.8	65.8	64.3
			23:17	64.5	66.2	63.6
			23:22	65.0	66.7	63.4
			23:27	65.3	67.2	64.2
			23:32	65.1	66.4	64.0
			23:37	64.4	64.9	64.1
			23:42	64.7	66.4	63.8
			23:47	64.9	66.3	63.9
			23:53	65.1	66.9	63.6
			23:58	65.3	67.0	64.2
07/06/2011	Fine	<5	23:00	64.6	65.8	63.1
			23:05	65.2	66.4	63.5
			23:10	65.2	66.5	63.6
			23:15	65.3	65.9	63.4
			23:20	65.4	67.0	63.5
			23:25	65.0	66.2	63.5
			23:30	64.7	66.2	63.0
			23:35	66.0	68.1	63.0
			23:40	65.4	67.1	63.0
			23:45	65.0	66.8	62.7
			23:50	65.1	66.8	62.9
			23:55	65.0	66.4	63.2
08/06/2011	Fine	<5	23:00	66.3	68.0	65.0
			23:05	66.3	68.6	64.2
			23:10	65.2	66.4	64.0
			23:15	65.5	66.2	64.3
			23:20	65.4	65.4	64.8
			23:25	65.8	67.2	64.0
			23:30	66.1	67.1	64.9
			23:35	65.7	66.6	64.4
			23:40	65.9	67.6	64.5
			23:45	64.7	65.9	63.6

			23:50	65.6	66.0	64.9
			23:55	65.0	67.0	63.2

Average	65.4	dB(A)
Max	67.0	dB(A)
Min	63.9	dB(A)

Noise Monitoring Station: M3a - Tung Lo Wan Fire Station

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	12:00	69.6	70.7	67.1
			12:30	68.6	70.3	64.9
26/05/2011	Fine	<5	12:00	69.5	70.7	67.0
			12:30	69.4	70.2	64.7
27/05/2011	Fine	<5	12:00	68.6	72.5	63.6
			12:30	69.2	71.6	66.2
28/05/2011	Fine	<5	12:00	68.9	72.3	63.3
			12:30	67.0	68.8	62.7
30/05/2011	Fine	<5	12:00	69.2	72.5	65.6
			12:30	68.1	71.8	63.4
31/05/2011	Fine	<5	12:00	69.2	71.5	66.4
			12:30	69.5	70.9	64.2
01/06/2011	Fine	<5	12:00	68.3	72.3	63.3
			12:30	69.1	73.1	65.2
02/06/2011	Fine	<5	12:00	68.4	71.5	63.6
			12:30	70.3	72.0	66.7
03/06/2011	Fine	<5	12:00	68.9	71.5	64.4
			12:30	69.0	72.8	65.1
04/06/2011	Fine	<5	12:00	69.8	71.3	63.9
			12:30	68.3	73.0	63.1
07/06/2011	Fine	<5	12:00	69.7	72.3	65.7
			12:30	69.2	69.2	48.1
08/06/2011	Fine	<5	12:00	67.6	68.5	46.2
			12:30	68.1	68.3	44.3

Average	68.8	dB(A)
Max	70.3	dB(A)
Min	67.0	dB(A)

Noise Monitoring Station: M3a - Tung Lo Wan Fire Station

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	19:00	66.0	69.3	64.1
			19:05	67.3	69.1	63.6
			19:10	66.5	68.5	64.4
			19:15	66.7	68.7	63.8
			19:20	66.2	68.3	63.1
			19:25	65.8	68.4	63.5
			19:30	66.4	67.6	64.7
			19:35	66.7	68.7	63.5
			19:40	66.2	68.7	63.9
			19:45	65.4	68.1	64.0
			19:50	66.4	67.9	64.2
			19:55	65.9	68.2	63.7
			20:00	65.5	68.7	63.6
			20:05	66.3	68.7	63.7
			20:10	66.4	68.8	62.7
			20:15	64.9	67.2	63.0
			20:20	65.3	67.7	62.5
			20:25	66.0	68.1	63.5
			20:30	63.5	66.6	62.8
			20:35	65.0	67.3	62.3
			20:40	65.0	67.0	62.5
			20:45	64.8	67.1	62.3
			20:50	66.3	68.8	62.8
			20:55	65.1	66.3	63.3
			21:00	66.1	67.9	62.5
			21:05	65.5	68.2	63.9
			21:10	66.1	68.3	64.8
			21:15	66.2	67.8	62.6
			21:20	66.1	68.6	62.1
			21:25	64.7	66.7	62.8
			21:30	65.0	67.1	62.6
			21:35	64.8	67.6	61.8
			21:40	65.3	67.6	62.1
			21:45	64.9	67.1	62.5
			21:50	65.6	67.3	62.0
			21:55	65.3	67.4	61.7
			22:00	65.9	67.3	62.5
			22:05	65.3	69.2	63.3
			22:10	65.6	68.6	62.9
			22:15	65.4	69.1	61.7

			22:20	65.6	67.6	62.9
			22:25	65.5	67.3	62.4
			22:30	65.1	67.3	63.7
			22:35	64.3	67.4	62.6
			22:40	64.9	66.7	62.1
			22:45	65.3	67.1	62.4
			22:50	65.6	67.6	62.6
			22:55	64.6	66.8	61.5
26/05/2011	Fine	<5	19:00	66.1	69.4	63.9
			19:05	66.5	69.1	63.9
			19:10	67.5	68.4	63.7
			19:15	66.2	68.4	63.6
			19:20	65.7	69.0	63.2
			19:25	65.9	68.3	63.7
			19:30	66.0	67.5	64.5
			19:35	65.4	68.2	63.0
			19:40	66.9	69.4	63.9
			19:45	66.2	68.8	63.6
			19:50	66.0	68.7	63.7
			19:55	65.4	68.1	63.5
			20:00	65.2	68.9	64.4
			20:05	67.0	69.4	63.9
			20:10	65.9	68.4	62.7
			20:15	65.2	67.4	62.9
			20:20	65.1	67.7	62.7
			20:25	66.1	68.1	63.2
			20:30	63.5	66.2	62.7
			20:35	65.2	67.3	62.9
			20:40	65.0	67.8	62.3
			20:45	64.8	67.5	62.4
			20:50	66.5	69.1	62.5
			20:55	66.0	66.4	62.5
			21:00	66.0	68.0	62.5
			21:05	66.7	68.2	63.8
			21:10	65.7	67.6	64.9
			21:15	65.9	68.1	63.2
			21:20	66.9	68.8	62.6
			21:25	64.1	67.1	62.2
			21:30	65.6	66.8	62.1
			21:35	65.2	67.2	61.6
			21:40	65.5	67.6	61.8
			21:45	64.7	66.6	62.6
			21:50	65.0	67.4	62.3
			21:55	65.1	67.8	61.5
			22:00	65.6	67.8	62.3
			22:05	64.9	69.0	63.2

			22:10	65.6	68.5	62.8
			22:15	65.1	69.2	62.0
			22:20	65.1	68.3	63.2
			22:25	65.6	67.8	62.7
			22:30	65.2	66.9	63.6
			22:35	64.6	66.5	62.8
			22:40	63.5	66.2	62.5
			22:45	64.9	67.4	62.0
			22:50	65.4	67.5	62.7
			22:55	64.3	66.9	61.3
27/05/2011	Fine	<5	19:00	66.3	69.2	63.6
			19:05	68.0	69.2	63.8
			19:10	66.8	68.4	63.8
			19:15	66.3	68.2	64.3
			19:20	66.7	68.6	63.0
			19:25	66.4	68.3	64.4
			19:30	66.0	67.7	64.9
			19:35	65.8	68.9	63.4
			19:40	66.0	68.6	63.4
			19:45	66.0	67.8	64.1
			19:50	66.0	68.3	63.7
			19:55	65.5	68.6	63.8
			20:00	65.8	68.6	64.4
			20:05	65.8	68.8	63.2
			20:10	66.7	68.5	63.0
			20:15	64.8	67.6	63.1
			20:20	64.9	67.6	62.7
			20:25	66.4	68.5	63.1
			20:30	63.6	66.9	63.3
			20:35	65.0	67.9	62.6
			20:40	65.2	67.4	62.2
			20:45	65.5	66.8	62.6
			20:50	65.9	68.9	63.4
			20:55	65.5	66.6	62.8
			21:00	65.5	67.8	63.0
			21:05	66.6	68.3	64.4
			21:10	65.8	68.1	64.9
			21:15	65.8	68.4	63.3
			21:20	65.3	68.6	62.1
			21:25	64.5	67.2	62.1
			21:30	65.5	67.4	62.1
			21:35	65.5	67.7	61.5
			21:40	64.9	67.4	61.9
			21:45	64.3	66.7	62.9
			21:50	64.3	67.1	62.4
			21:55	64.8	67.6	61.6

			22:00	65.2	67.7	62.7
			22:05	65.7	68.8	62.5
			22:10	65.9	68.4	63.2
			22:15	65.4	69.3	62.1
			22:20	65.4	67.8	63.0
			22:25	65.8	67.9	62.2
			22:30	64.8	66.8	63.0
			22:35	63.8	67.2	62.6
			22:40	64.2	66.2	62.5
			22:45	63.8	67.5	62.0
			22:50	65.4	68.2	63.2
			22:55	64.8	66.5	61.8
28/05/2011	Fine	<5	19:00	66.5	69.5	63.8
			19:05	67.7	69.3	63.7
			19:10	67.5	68.5	64.1
			19:15	66.2	68.3	64.4
			19:20	67.2	68.7	63.2
			19:25	66.6	68.7	64.0
			19:30	66.3	67.9	64.0
			19:35	66.2	68.9	63.4
			19:40	65.9	69.2	64.1
			19:45	66.7	68.7	64.0
			19:50	66.0	68.8	63.9
			19:55	66.2	68.3	64.2
			20:00	65.7	68.7	64.1
			20:05	66.0	68.5	63.6
			20:10	66.1	68.1	62.8
			20:15	64.9	67.8	63.3
			20:20	66.3	67.5	62.7
			20:25	65.5	68.8	63.6
			20:30	64.0	66.9	62.8
			20:35	65.5	67.7	62.6
			20:40	65.1	68.0	62.3
			20:45	64.7	66.8	62.8
			20:50	66.2	68.9	62.9
			20:55	65.5	67.0	63.4
			21:00	65.6	67.9	62.6
			21:05	66.7	68.5	64.5
			21:10	65.3	67.6	64.9
			21:15	65.8	68.6	63.4
			21:20	66.7	68.6	62.8
			21:25	65.3	66.6	62.3
			21:30	65.4	67.4	62.0
			21:35	65.4	67.5	62.5
			21:40	65.1	67.1	61.9
			21:45	64.7	67.1	62.4

			21:50	64.3	67.1	62.4
			21:55	64.4	67.3	62.4
			22:00	65.4	67.6	62.8
			22:05	65.9	68.8	62.7
			22:10	66.2	68.2	63.2
			22:15	64.6	69.0	61.7
			22:20	64.7	68.3	63.2
			22:25	65.2	67.5	62.6
			22:30	64.2	67.2	63.8
			22:35	64.6	67.1	62.5
			22:40	64.5	66.5	62.9
			22:45	64.7	67.2	61.9
			22:50	65.9	67.6	62.7
			22:55	64.5	66.6	61.3
29/05/2011	Fine	<5	19:00	66.4	68.8	64.3
			19:05	66.8	69.0	63.9
			19:10	66.4	68.8	64.5
			19:15	66.2	68.5	64.2
			19:20	66.5	68.3	62.9
			19:25	66.0	68.9	64.2
			19:30	65.8	67.2	64.1
			19:35	66.4	69.0	63.5
			19:40	66.8	69.4	63.8
			19:45	65.8	68.2	64.1
			19:50	66.0	68.5	63.8
			19:55	66.2	68.9	63.9
			20:00	65.6	68.6	63.7
			20:05	65.7	68.5	63.6
			20:10	66.1	68.9	63.1
			20:15	65.1	67.4	63.4
			20:20	64.8	68.5	62.9
			20:25	65.6	68.1	63.5
			20:30	64.6	66.0	63.4
			20:35	65.0	67.6	62.5
			20:40	65.1	67.4	62.2
			20:45	64.7	67.1	62.1
			20:50	65.9	69.2	63.1
			20:55	66.0	66.7	63.3
			21:00	65.8	67.5	63.1
			21:05	65.9	67.7	64.2
			21:10	65.9	68.5	64.6
			21:15	66.1	68.2	63.0
			21:20	67.0	68.6	62.8
			21:25	64.5	66.8	63.0
			21:30	65.7	67.6	62.1
			21:35	65.9	67.2	62.2

			21:40	65.7	67.8	62.4
			21:45	63.8	67.3	62.7
			21:50	64.8	67.0	62.3
			21:55	65.0	67.0	61.6
			22:00	65.4	67.1	62.8
			22:05	65.8	68.6	62.7
			22:10	65.3	68.0	62.8
			22:15	64.8	68.6	62.1
			22:20	65.0	68.0	63.0
			22:25	65.8	67.7	62.1
			22:30	65.1	66.7	63.4
			22:35	64.4	66.8	62.9
			22:40	64.3	66.7	62.6
			22:45	64.3	67.2	61.7
			22:50	64.8	67.6	62.6
			22:55	64.3	66.3	61.3
30/05/2011	Fine	<5	19:00	66.7	68.8	64.3
			19:05	66.5	69.0	63.3
			19:10	66.8	68.4	64.4
			19:15	65.8	68.1	64.1
			19:20	66.9	68.6	63.3
			19:25	66.4	68.8	63.4
			19:30	66.7	67.7	64.3
			19:35	66.6	69.0	63.1
			19:40	67.1	69.2	63.6
			19:45	65.7	67.9	64.2
			19:50	66.4	68.8	63.8
			19:55	65.6	68.9	64.3
			20:00	65.8	68.0	63.6
			20:05	66.0	69.4	63.3
			20:10	66.4	68.7	63.5
			20:15	65.5	67.2	63.1
			20:20	64.8	68.2	62.6
			20:25	66.4	68.5	63.2
			20:30	64.5	66.6	63.4
			20:35	64.8	67.8	63.2
			20:40	64.9	67.1	62.8
			20:45	64.6	66.6	62.4
			20:50	65.4	68.7	63.3
			20:55	65.1	66.7	62.8
			21:00	65.4	68.4	63.1
			21:05	66.1	68.4	64.2
			21:10	66.0	68.2	64.3
			21:15	65.7	67.8	63.5
			21:20	66.1	68.6	62.7
			21:25	64.5	67.1	62.9

			21:30	65.3	67.5	62.2
			21:35	65.6	67.7	61.5
			21:40	65.1	67.3	61.6
			21:45	64.6	67.0	62.3
			21:50	65.2	67.8	62.5
			21:55	65.0	67.8	61.6
			22:00	64.5	67.5	62.8
			22:05	65.4	68.5	63.4
			22:10	65.9	68.6	63.4
			22:15	65.8	68.6	62.5
			22:20	64.6	67.9	63.4
			22:25	65.4	67.6	62.9
			22:30	64.6	67.2	63.2
			22:35	64.7	66.5	62.8
			22:40	64.4	66.3	62.7
			22:45	64.7	67.5	61.6
			22:50	65.6	68.1	62.5
			22:55	63.5	66.9	61.7
31/05/2011	Fine	<5	19:00	67.1	68.8	63.5
			19:05	67.9	69.3	63.9
			19:10	67.3	69.2	64.0
			19:15	66.7	68.8	64.5
			19:20	66.3	69.1	63.6
			19:25	66.1	68.6	63.6
			19:30	65.9	67.2	64.7
			19:35	66.3	68.4	63.4
			19:40	65.8	68.5	63.5
			19:45	65.7	68.3	63.5
			19:50	66.2	67.9	64.3
			19:55	66.8	68.2	64.2
			20:00	66.7	68.1	64.1
			20:05	66.0	68.8	63.4
			20:10	66.3	68.1	63.3
			20:15	65.6	67.1	62.9
			20:20	65.1	68.2	62.3
			20:25	65.4	68.7	63.6
			20:30	64.0	66.0	62.7
			20:35	65.2	68.1	62.9
			20:40	64.8	67.3	62.2
			20:45	64.4	67.2	62.7
			20:50	66.0	68.9	63.1
			20:55	64.8	66.0	62.6
			21:00	65.6	67.6	63.2
			21:05	66.2	67.7	63.9
			21:10	66.0	67.8	65.0
			21:15	65.7	68.4	62.8

			21:20	66.4	68.8	62.6
			21:25	64.5	66.6	62.9
			21:30	65.5	67.6	61.8
			21:35	65.5	67.9	62.4
			21:40	64.9	67.2	62.1
			21:45	64.9	67.3	62.1
			21:50	64.8	67.3	62.1
			21:55	65.3	67.6	62.0
			22:00	65.2	67.5	62.5
			22:05	66.2	68.4	62.7
			22:10	64.9	68.7	63.1
			22:15	64.5	69.0	62.2
			22:20	65.1	68.2	63.5
			22:25	65.3	67.9	62.7
			22:30	64.1	67.2	63.4
			22:35	64.6	67.1	63.3
			22:40	64.2	66.8	62.2
			22:45	64.2	67.1	62.1
			22:50	65.3	67.8	63.0
			22:55	63.5	66.1	61.4
01/06/2011	Fine	<5	19:10	65.8	65.9	65.1
			19:15	65.2	65.9	64.6
			19:20	63.9	64.5	63.0
			19:25	66.0	66.4	65.7
			19:31	64.8	65.2	64.0
			19:42	64.6	65.4	64.4
			19:47	65.4	66.1	64.4
			19:52	64.7	65.4	63.7
			19:57	65.8	66.4	65.6
			20:02	64.6	65.5	64.4
			20:07	64.9	65.1	64.2
			20:13	64.7	65.3	64.7
			20:18	65.8	65.9	65.4
			20:23	64.1	64.6	63.8
			20:28	65.0	65.9	64.2
			20:34	64.3	64.4	63.7
			20:39	64.0	64.6	63.2
			20:44	64.8	65.3	64.4
			20:49	63.7	64.2	63.0
			20:54	64.2	65.0	64.1
			21:00	67.4	68.2	67.0
			21:05	65.6	66.4	65.1
			21:10	65.1	65.7	65.0
			21:15	64.9	64.9	64.4
			21:21	64.3	65.1	64.2
			21:26	64.2	65.1	63.6

			21:32	63.2	64.2	62.9
			21:37	64.7	65.7	64.6
			21:42	64.8	65.4	64.2
			21:47	64.6	65.6	64.4
			21:52	64.4	64.5	63.8
			21:57	63.9	63.9	63.3
			22:03	63.7	63.8	63.0
			22:08	63.5	64.1	62.9
			22:14	63.8	64.6	62.9
			22:19	64.1	64.4	63.4
			22:24	64.6	64.8	64.3
			22:29	64.3	64.6	64.2
			22:34	64.2	64.3	63.2
			22:39	65.0	65.3	64.3
			22:45	63.8	*64.7*	*63.1*
			22:50	63.9	64.7	63.5
			22:55	64.7	64.8	64.0
02/06/2011	Fine	<5	22:20	64.4	66.1	62.1
			22:25	64.5	66.1	61.9
			22:30	65.1	66.7	62.3
			22:35	64.9	66.4	62.2
			22:40	64.4	66.3	61.7
			22:45	64.0	65.8	61.4
			22:50	64.8	66.8	61.4
			22:55	64.6	66.8	61.8
			19:00	66.5	68.5	63.5
			19:05	67.1	68.9	63.2
			19:10	66.7	68.3	63.7
			19:15	66.4	67.9	63.6
			19:20	66.3	68.1	62.6
			19:25	66.4	68.0	63.4
			19:30	66.0	67.1	64.0
			19:35	66.2	68.2	63.0
			19:40	66.5	68.5	63.3
			19:45	65.9	67.8	63.2
			19:50	66.1	67.9	63.6
			19:55	66.2	68.1	63.4
			20:00	65.8	68.0	63.6
			20:05	66.3	68.5	63.0
			20:10	66.1	68.0	62.5
			20:15	65.2	67.0	62.5
			20:20	65.4	67.5	62.0
			20:25	66.2	67.9	62.6
			20:30	64.0	66.0	62.5
			20:35	65.2	67.2	62.2
			20:40	65.0	67.0	62.0

03/06/2011	Fine	<5	20:45	64.7	66.5	62.0
			20:50	66.0	68.5	62.5
			20:55	65.7	66.0	62.5
			21:00	65.6	67.5	62.5
			21:05	66.0	67.6	63.8
			21:10	65.9	67.5	64.0
			21:15	65.9	67.8	62.5
			21:20	66.1	68.0	62.0
			21:25	64.4	66.5	62.0
			21:30	65.2	66.8	61.8
			21:35	65.3	67.0	61.5
			21:40	65.0	67.0	61.5
			21:45	64.6	66.5	62.0
			21:50	65.1	66.9	61.7
			21:55	65.0	67.0	61.5
			22:00	65.2	67.0	62.0
			22:05	65.7	68.2	62.4
			22:10	65.5	68.0	62.5
			22:15	65.3	68.5	61.5
			22:20	65.2	67.5	62.5
			22:25	65.4	67.0	62.0
			22:30	64.7	66.5	62.9
			22:35	64.5	66.4	62.5
			22:40	64.3	66.0	62.0
			22:45	64.7	67.0	61.5
			22:50	65.5	67.5	62.5
			22:55	64.2	66.0	61.0
			19:00	67.2	68.5	64.3
			19:05	66.9	68.2	64.6
			19:10	67.0	68.2	64.2
			19:15	67.3	69.0	64.9
			19:20	67.2	69.4	64.7
			19:25	66.9	68.2	63.9
			19:30	66.5	68.5	63.5
			19:35	67.3	69.4	63.2
			19:40	67.5	69.5	63.5
			19:45	67.2	68.9	64.6
			19:50	67.0	68.5	64.5
			19:55	67.3	69.0	63.5
			20:00	67.0	67.1	66.4
			20:05	66.5	68.2	64.6
			20:10	64.7	67.5	64.7
			20:15	65.6	67.7	64.9
			20:20	63.9	65.0	61.5
			20:25	64.2	66.6	62.9
			20:30	68.6	69.0	62.5

04/06/2011	Fine	<5	20:35	67.5	68.6	63.2
			20:40	66.0	67.5	63.5
			20:45	66.9	67.8	63.6
			20:50	67.5	69.0	63.0
			20:55	67.3	68.7	63.2
			21:00	67.6	69.5	65.0
			21:05	67.1	68.5	64.9
			21:10	67.5	69.5	64.0
			21:15	67.8	68.6	64.8
			21:20	67.7	69.0	65.0
			21:25	67.7	68.9	65.1
			21:30	66.4	68.5	63.5
			21:35	66.5	68.6	63.5
			21:40	64.5	66.0	62.0
			21:45	65.6	67.5	62.2
			21:50	64.9	66.5	62.5
			21:55	65.2	66.9	62.4
			22:00	63.9	65.5	62.0
			22:05	64.2	66.2	62.1
			22:10	64.6	66.5	62.0
			22:15	64.2	66.3	62.3
			22:20	64.7	67.0	62.0
			22:25	64.5	66.9	62.2
			22:30	64.1	66.5	61.0
			22:35	64.0	66.0	61.0
			22:40	64.5	66.5	61.5
			22:45	64.3	66.3	61.3
			22:50	64.2	66.0	61.5
			22:55	64.5	66.4	61.4
			19:30	66.4	67.1	66.0
			19:35	66.2	66.2	65.5
			19:40	65.9	66.7	65.6
			19:45	65.2	65.4	64.8
			19:50	64.3	65.3	63.9
			19:55	66.6	67.5	66.6
			20:00	64.9	65.2	64.2
			20:05	64.8	65.3	64.4
			20:10	65.2	65.4	64.2
			20:15	66.0	67.0	65.0
			20:20	64.8	65.1	63.9
			20:25	64.5	64.6	63.8
			20:30	64.1	64.4	63.8
			20:35	64.6	65.5	63.8
			20:40	65.5	65.6	64.8
			20:45	64.8	64.9	64.0
			20:50	65.0	65.3	64.8

05/06/2011	Fine	<5	20:55	64.7	64.9	63.9
			21:00	63.0	63.5	62.5
			21:05	63.5	63.7	63.0
			21:10	64.3	65.0	63.3
			21:15	64.2	64.3	63.6
			21:20	63.6	63.6	62.7
			21:25	64.5	65.2	64.1
			21:30	64.2	64.3	63.5
			21:35	64.5	65.0	64.1
			21:40	64.1	65.1	63.8
			21:45	64.8	64.9	63.9
			21:50	66.0	66.1	65.0
			21:55	65.0	65.8	64.6
			22:00	64.3	64.5	63.8
			22:05	64.3	64.4	63.7
			22:10	65.9	66.7	65.7
			22:15	64.1	64.6	63.4
			22:20	63.9	64.1	62.9
			22:25	63.8	64.2	63.5
			22:30	63.5	63.9	62.7
			22:35	64.0	64.6	63.1
			22:40	63.8	64.7	63.0
			22:45	64.2	65.2	63.3
			22:50	64.1	65.0	63.4
			22:55	64.2	64.4	63.5
			19:00	66.0	66.9	65.7
			19:05	65.2	66.1	65.1
			19:10	65.4	66.3	65.0
			19:15	64.9	65.7	64.4
			19:20	65.5	66.0	64.9
			19:25	65.2	66.2	64.3
			19:30	65.6	66.5	65.2
			19:35	65.2	65.3	64.5
			19:40	64.9	64.9	64.3
			19:45	65.3	65.4	64.5
			19:50	65.5	66.1	64.9
			19:55	64.8	65.6	64.2
			20:00	64.3	64.4	63.8
			20:05	65.6	66.0	65.0
			20:10	64.8	65.2	64.4
			20:15	64.7	65.6	64.3
			20:20	64.3	65.0	63.7
			20:25	64.5	65.1	63.8
			20:30	63.9	64.3	63.6
			20:35	64.0	64.2	63.1
			20:40	63.6	64.6	63.5

06/06/2011	Fine	<5	20:45	64.6	65.5	64.1
			20:50	64.4	65.1	63.4
			20:55	64.4	65.1	63.9
			21:00	64.8	64.9	63.8
			21:05	63.9	64.6	63.4
			21:10	64.1	64.9	63.9
			21:15	64.9	65.0	64.1
			21:20	64.1	64.7	63.4
			21:25	64.5	64.8	64.1
			21:30	64.5	65.2	63.9
			21:35	64.3	64.6	63.7
			21:40	64.2	64.8	63.7
			21:45	64.3	64.4	64.0
			21:50	64.9	65.9	64.1
			21:55	63.7	64.2	62.7
			22:00	64.0	64.4	63.6
			22:05	64.2	65.0	63.7
			22:10	64.9	65.1	64.2
			22:15	64.2	64.9	63.9
			22:20	64.6	65.0	64.4
			22:25	63.9	64.3	63.0
			22:30	65.6	65.8	65.1
			22:35	63.9	64.2	63.3
			22:40	64.2	64.6	64.2
			22:45	63.8	64.4	63.2
			22:50	64.1	64.9	64.0
			22:55	64.5	64.8	64.1
07/06/2011	Fine	<5	21:15	65.2	67.0	62.5
			21:20	64.5	66.0	62.0
			21:25	64.7	66.5	62.0
			21:30	65.2	67.5	62.0
			21:35	64.3	66.0	61.5
			21:40	64.8	66.5	62.5
			21:45	65.3	68.0	61.5
			21:50	64.9	67.0	62.0
			21:55	65.0	67.0	62.0
			22:00	64.8	66.5	61.5
			22:05	64.1	65.5	62.0
			22:10	64.4	66.5	61.0
			22:15	64.4	65.5	62.5
			22:20	64.4	66.0	62.0
			22:25	65.2	67.0	62.0
			22:30	64.6	67.0	62.0
			22:35	66.0	68.5	62.0
			22:40	64.2	66.0	62.0
			22:45	63.9	65.5	60.5

			22:50	64.3	66.0	61.5
			22:55	64.0	66.5	61.0
08/06/2011	Fine	<5	19:00	66.7	69.0	64.1
			19:05	66.6	69.8	63.7
			19:10	67.3	68.5	64.5
			19:15	66.9	68.1	64.6
			19:20	65.9	68.9	63.0
			19:25	66.5	68.0	64.1
			19:30	65.6	67.7	64.3
			19:35	65.9	68.4	63.6
			19:40	66.2	69.4	63.7
			19:45	65.6	68.1	63.9
			19:50	66.2	68.2	64.2
			19:55	66.7	68.5	63.5
			20:00	66.5	68.7	64.4
			20:05	66.0	69.4	63.2
			20:10	66.5	69.0	63.4
			20:15	65.8	67.1	63.3
			20:20	65.0	68.3	62.1
			20:25	66.4	68.2	63.0
			20:30	64.4	66.4	63.1
			20:35	65.8	67.3	62.4
			20:40	65.0	67.4	62.3
			20:45	65.1	67.2	62.3
			20:50	65.1	69.1	62.5
			20:55	65.6	66.9	63.2
			21:00	65.1	67.7	62.8
			21:05	66.3	67.9	63.8
			21:10	65.3	67.7	64.4
			21:15	65.5	68.3	62.9
			21:20	66.3	68.8	62.7
			21:25	63.7	67.0	62.1
			21:30	65.2	67.0	62.7
			21:35	65.4	67.8	62.0
			21:40	65.2	67.4	61.5
			21:45	64.7	66.9	63.0
			21:50	64.9	67.8	62.1
			21:55	65.1	67.3	61.9
			22:00	65.3	67.3	62.1
			22:05	66.3	68.3	63.1
			22:10	66.2	68.8	62.5
			22:15	65.4	68.8	61.8
			22:20	65.1	67.5	62.5
			22:25	65.7	67.9	63.0
			22:30	65.3	67.0	63.4
			22:35	64.2	66.9	63.0

			22:40	64.7	66.5	62.1
			22:45	65.1	67.6	62.1
			22:50	65.8	68.0	62.9
			22:55	64.4	66.7	61.4

Average	65.5	dB(A)
Max	68.6	dB(A)
Min	63.0	dB(A)

Noise Monitoring Station: M3a - Tung Lo Wan Fire Station

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
25/05/2011	Fine	<5	23:00	64.6	66.8	60.8
			23:05	63.6	66.1	60.1
			23:10	64.4	66.4	61.9
			23:15	64.6	66.8	61.5
			23:20	62.8	64.6	60.1
			23:25	63.3	65.2	60.8
			23:30	64.5	66.5	60.5
			23:35	64.2	66.3	60.8
			23:40	64.4	66.6	61.1
			23:45	63.5	64.9	60.7
			23:50	64.5	66.7	61.7
			23:55	64.5	66.2	60.8
26/05/2011	Fine	<5	23:00	64.6	66.8	60.8
			23:05	64.4	66.9	60.9
			23:10	64.6	66.6	62.1
			23:15	64.0	66.2	60.9
			23:20	63.6	65.4	60.9
			23:25	63.6	65.5	61.1
			23:30	65.1	67.1	61.1
			23:35	63.7	65.8	60.3
			23:40	64.7	66.9	61.4
			23:45	63.4	64.8	60.6
			23:50	63.9	66.1	61.1
			23:55	65.3	67.0	61.6
27/05/2011	Fine	<5	23:00	64.8	67.0	61.0
			23:05	64.5	67.0	61.0
			23:10	64.3	66.3	61.8
			23:15	63.5	65.7	60.4
			23:20	63.5	65.3	60.8
			23:25	64.2	66.1	61.7
			23:30	64.9	66.9	60.9
			23:35	64.1	66.2	60.7
			23:40	64.5	66.7	61.2
			23:45	64.0	65.4	61.2
			23:50	64.7	66.9	61.9
			23:55	64.4	66.1	60.7
			23:00	63.5	65.7	59.7
			23:05	63.9	66.4	60.4
			23:10	64.2	66.2	61.7
			23:15	63.5	65.7	60.4

28/05/2011	Fine	<5	23:20	63.8	65.6	61.1
			23:25	64.1	66.0	61.6
			23:30	65.5	67.5	61.5
			23:35	64.8	66.9	61.4
			23:40	64.3	66.5	61.0
			23:45	62.8	64.2	60.0
			23:50	64.1	66.3	61.3
			23:55	64.1	65.8	60.4
29/05/2011	Fine	<5	23:00	63.5	65.7	59.7
			23:05	64.6	67.1	61.1
			23:10	63.6	65.6	61.1
			23:15	64.3	66.5	61.2
			23:20	64.6	66.4	61.9
			23:25	64.3	66.2	61.8
			23:30	64.5	66.5	60.5
			23:35	63.3	65.4	59.9
			23:40	64.6	66.8	61.3
			23:45	63.3	64.7	60.5
			23:50	64.1	66.3	61.3
			23:55	64.0	65.7	60.3
30/05/2011	Fine	<5	23:00	64.7	66.9	60.9
			23:05	64.2	66.7	60.7
			23:10	64.5	66.5	62.0
			23:15	64.6	66.8	61.5
			23:20	63.9	65.7	61.2
			23:25	64.0	65.9	61.5
			23:30	64.6	66.6	60.6
			23:35	64.3	66.4	60.9
			23:40	64.5	66.7	61.2
			23:45	64.0	65.4	61.2
			23:50	64.3	66.5	61.5
			23:55	64.8	66.5	61.1
31/05/2011	Fine	<5	23:00	64.3	66.5	60.5
			23:05	63.9	66.4	60.4
			23:10	64.3	66.3	61.8
			23:15	63.9	66.1	60.8
			23:20	62.9	64.7	60.2
			23:25	64.1	66.0	61.6
			23:30	64.9	66.9	60.9
			23:35	64.4	66.5	61.0
			23:40	64.0	66.2	60.7
			23:45	63.6	65.0	60.8
			23:50	64.4	66.6	61.6
			23:55	64.5	66.2	60.8
			23:00	64.8	65.0	60.0
			23:05	65.2	65.6	60.1

01/06/2011	Fine	<5	23:10	64.6	64.9	61.2
			23:15	63.3	63.4	60.7
			23:20	65.2	65.8	60.2
			23:25	64.7	65.1	60.9
			23:30	64.8	65.1	60.3
			23:36	64.0	64.6	60.4
			23:41	65.0	65.7	60.6
			23:46	65.1	66.0	60.3
			23:51	64.8	65.8	61.2
02/06/2011	Fine	<5	23:00	64.1	66.2	61.5
			23:05	63.5	66.1	61.0
			23:10	64.0	66.7	61.0
			23:15	64.0	66.1	61.0
			23:20	64.1	65.4	61.4
			23:25	63.7	65.7	61.1
			23:30	63.2	65.1	60.6
			23:35	64.6	67.1	60.7
03/06/2011	Fine	<5	23:00	63.9	65.5	62.0
			23:05	64.6	66.5	62.0
			23:10	65.0	66.5	62.5
			23:15	64.9	67.0	62.0
			23:20	65.6	69.0	61.0
			23:25	64.9	66.5	62.5
04/06/2011	Fine	<5	23:00	64.3	66.5	60.5
			23:05	64.0	66.5	60.5
			23:10	64.0	66.0	61.5
			23:15	64.2	66.4	61.1
			23:20	63.7	65.5	61.0
			23:25	63.9	65.8	61.4
			23:30	65.0	67.0	61.0
			23:35	63.9	66.0	60.5
			23:40	64.3	66.5	61.0
			23:45	63.6	65.0	60.8
			23:50	64.3	66.5	61.5
			23:55	64.5	66.2	60.8
05/06/2011	Fine	<5	23:00	63.7	64.2	60.3
			23:05	64.2	64.9	60.5
			23:10	63.5	63.5	60.9
			23:15	64.0	64.2	60.5
			23:20	64.2	64.6	60.4
			23:25	63.9	64.1	61.1
			23:30	64.0	64.4	60.8
			23:35	63.8	63.9	59.8
			23:40	64.2	64.6	60.2
			23:45	64.1	64.4	60.8
			23:50	64.3	64.4	61.3

			23:55	64.1	64.4	59.9
06/06/2011	Fine	<5	23:00	63.4	64.1	63.1
			23:05	64.0	64.5	63.0
			23:10	64.2	64.4	63.3
			23:15	63.8	63.9	63.6
			23:20	64.7	65.1	64.2
			23:25	64.2	65.2	63.2
			23:30	64.4	65.2	63.8
			23:35	64.2	64.2	64.0
			23:40	64.3	64.9	64.0
			23:45	64.4	65.0	63.5
			23:50	63.9	64.7	63.0
			23:55	64.5	64.6	64.0
07/06/2011	Fine	<5	23:00	64.1	66.0	61.0
			23:05	64.1	66.5	61.0
			23:10	64.3	67.0	62.0
			23:15	64.5	67.0	61.0
			23:20	63.3	64.5	60.5
			23:25	64.2	65.5	60.5
08/06/2011	Fine	<5	23:00	64.5	66.7	60.7
			23:05	63.9	66.4	60.4
			23:10	64.2	66.2	61.7
			23:15	64.4	66.6	61.3
			23:20	63.9	65.7	61.2
			23:25	64.0	65.9	61.5
			23:30	65.0	67.0	61.0
			23:35	64.3	66.4	60.9
			23:40	64.1	66.3	60.8
			23:45	63.3	64.7	60.5
			23:50	64.2	66.4	61.4
			23:55	64.9	66.6	61.2

Average	64.2	dB(A)
Max	65.6	dB(A)
Min	62.8	dB(A)

Noise Monitoring Station: M4b - Victoria Centre

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

			30-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
12/05/2011	Fine	<5	12:00	65.0	66.2	64.3
			12:30	68.3	71.5	64.4
13/05/2011	Fine	<5	12:00	66.6	67.9	64.9
			12:30	66.9	68.1	65.4
14/05/2011	Fine	<5	12:00	66.3	67.7	64.8
			12:30	66.4	67.9	64.6
16/05/2011	Fine	<5	12:00	66.7	68.3	65.1
			12:30	67.0	68.9	65.4
17/05/2011	Fine	<5	12:00	65.9	67.7	63.9
			12:30	65.7	67.2	63.9
18/05/2011	Fine	<5	12:00	65.8	67.5	63.8
			12:30	64.4	65.7	63.0
19/05/2011	Fine	<5	12:00	68.0	69.3	65.9
			12:30	66.7	68.0	65.1
20/05/2011	Fine	<5	12:00	67.1	68.1	65.6
			12:30	67.4	68.5	65.9
21/05/2011	Fine	<5	12:00	67.6	69.8	64.3
			12:30	67.4	69.9	64.9
23/05/2011	Fine	<5	12:00	69.6	71.0	67.5
			12:30	69.3	70.8	67.1
24/05/2011	Fine	<5	12:00	68.4	70.5	64.7
			12:30	68.7	69.8	64.6
25/05/2011	Fine	<5	12:00	67.3	68.8	65.2
			12:30	67.2	69.0	64.9

Average	67.3	dB(A)
Max	69.6	dB(A)
Min	64.4	dB(A)

Noise Monitoring Station: M4b - Victoria Centre

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
12/05/2011	Fine	<5	19:00	66.5	67.9	64.7
			19:05	67.8	68.9	66.3
			19:10	67.1	68.4	65.6
			19:15	66.9	68.1	65.3
			19:20	66.4	67.6	64.7
			19:25	66.8	68.9	64.7
			19:30	66.5	67.9	64.6
			19:35	66.8	68.2	65.1
			19:40	67.8	69.1	65.3
			19:45	67.5	68.8	65.3
			19:50	67.1	68.3	65.6
			19:55	66.7	68.0	64.9
			20:00	67.0	68.3	66.7
			20:05	67.8	69.0	66.0
			20:10	68.2	69.7	65.6
			20:15	67.9	69.2	65.9
			20:20	67.8	69.4	65.5
			20:25	67.6	69.1	65.0
			20:30	67.3	69.1	65.4
			20:35	68.2	69.8	65.4
			20:40	67.6	69.7	65.3
			20:45	67.9	69.7	65.4
			20:50	67.1	68.4	65.3
			20:55	67.5	69.1	65.3
			21:00	67.6	69.6	65.2
			21:05	67.5	69.0	65.1
			21:10	67.7	69.3	65.7
			21:15	67.3	68.9	65.0
			21:20	67.3	69.0	65.1
			21:25	67.2	68.9	64.9
			21:30	67.2	68.9	65.1
			21:35	67.5	69.4	65.4
			21:40	67.4	69.7	65.0
			21:45	68.1	70.1	65.4
			21:50	67.1	68.7	65.0
			21:55	67.5	68.9	65.6
			22:00	66.8	68.5	64.9
			22:05	68.2	70.4	64.8
			22:10	67.3	69.1	65.0

			22:15	67.4	69.3	65.2
			22:20	67.5	69.3	65.2
			22:25	67.2	69.1	65.0
			22:30	67.2	68.8	65.3
			22:35	67.3	69.1	65.2
			22:40	67.2	69.0	65.2
			22:45	66.9	68.7	65.0
			22:50	66.7	68.2	64.6
			22:55	67.2	68.9	65.0
13/05/2011	Fine	<5	19:00	66.8	68.5	64.7
			19:05	66.0	67.0	64.6
			19:10	65.8	66.8	64.6
			19:15	66.2	66.7	64.6
			19:20	66.5	67.1	64.6
			19:25	66.2	66.9	64.7
			19:30	66.9	67.9	65.0
			19:35	66.5	67.8	64.8
			19:40	67.0	68.2	65.3
			19:45	67.0	68.1	66.4
			19:50	67.2	68.8	65.8
			19:55	67.1	68.7	65.8
			20:00	67.3	69.2	65.9
			20:05	67.3	69.1	66.7
			20:10	66.8	68.7	65.4
			20:15	66.9	68.6	66.1
			20:20	67.2	69.3	66.1
			20:25	67.0	69.0	66.4
			20:30	67.1	69.1	65.7
			20:35	67.5	69.0	65.9
			20:40	67.4	68.9	66.7
			20:45	67.4	68.8	65.6
			20:50	67.5	68.8	65.7
			20:55	66.8	69.3	65.1
			21:00	68.1	69.7	66.1
			21:05	68.3	69.9	66.0
			21:10	68.1	69.9	65.9
			21:15	68.0	69.8	66.1
			21:20	68.2	69.7	65.6
			21:25	67.9	69.1	66.0
			21:30	67.1	68.8	65.0
			21:35	67.6	69.5	65.5
			21:40	67.3	69.6	64.9
			21:45	67.5	68.9	65.6
			21:50	67.4	69.3	65.3
			21:55	67.5	69.3	65.2
			22:00	67.3	68.9	65.1

			22:05	67.3	68.8	65.3
			22:10	67.2	69.1	65.4
			22:15	67.2	68.9	65.0
			22:30	67.0	68.7	64.8
			22:35	66.9	68.7	64.9
			22:40	67.2	69.3	65.4
			22:45	67.3	69.2	65.3
			22:50	67.6	69.4	65.3
			22:55	67.6	69.4	65.2
14/05/2011	Fine	<5	19:00	63.7	65.3	61.8
			19:05	62.4	63.9	60.5
			19:10	63.5	65.0	61.6
			19:15	65.0	66.1	63.5
			19:20	64.0	65.6	61.8
			19:25	64.6	66.0	62.6
			19:30	64.4	65.8	62.9
			19:35	65.2	66.6	63.3
			19:40	65.6	67.2	63.6
			19:45	63.9	65.6	61.2
			19:50	64.8	66.3	63.0
			19:55	65.4	67.0	62.6
			20:00	64.8	66.5	62.7
			20:05	65.5	67.0	63.5
			20:10	63.5	65.1	61.6
			20:15	63.9	65.7	61.7
			20:20	64.3	66.2	62.1
			20:25	64.4	66.0	62.3
			20:30	65.0	67.0	62.4
			20:35	65.1	66.7	63.1
			20:40	64.5	66.0	62.8
			20:45	63.2	64.7	61.0
			20:50	64.9	66.7	62.3
			20:55	66.0	67.9	62.9
			21:00	65.0	66.7	62.7
			21:05	65.0	66.8	62.8
			21:10	64.5	66.4	62.0
			21:15	64.2	65.9	62.2
			21:20	62.6	64.2	60.6
			21:25	63.4	65.0	60.9
			21:30	65.3	67.0	63.0
			21:35	62.6	64.3	60.3
			21:40	64.4	66.0	62.2
			21:45	65.5	67.2	62.4
			21:50	64.5	66.0	62.5
			21:55	64.3	65.9	62.1
			22:00	64.1	65.6	61.6

			22:05	63.8	65.6	61.7
			22:10	63.8	65.5	61.4
			22:15	64.2	65.9	62.0
			22:20	63.4	65.4	61.1
			22:25	64.5	66.3	62.0
			22:30	63.1	64.5	61.0
			22:35	62.6	64.3	60.7
			22:40	64.2	66.1	62.2
			22:45	63.6	65.5	61.0
			22:50	63.9	65.7	61.6
			22:55	63.8	65.5	61.4
16/05/2011	Fine	<5	20:35	65.4	66.9	63.8
			20:40	66.3	67.8	64.4
			21:05	66.4	68.3	64.3
			21:10	66.2	67.7	64.3
			21:15	66.3	67.9	64.5
			21:20	66.4	68.1	64.2
			21:25	66.4	67.9	64.6
			21:30	65.9	67.6	63.9
			21:35	66.5	68.1	64.6
			21:40	66.5	68.1	64.3
			22:40	65.4	66.8	63.6
			22:45	65.4	67.3	63.2
			22:50	65.6	67.2	63.7
			22:55	65.0	66.8	63.0
17/05/2011	Fine	<5	20:45	68.0	68.3	65.2
			20:50	67.3	68.7	65.2
			20:55	67.4	69.4	65.1
			21:00	67.3	68.7	65.3
			21:05	67.3	68.9	65.1
			21:10	67.3	69.0	65.2
			21:15	67.4	69.1	65.3
			21:20	67.2	68.9	65.1
			21:25	67.8	69.6	65.0
			21:30	67.8	69.6	65.3
			21:35	67.4	68.8	65.1
			21:40	67.4	69.0	64.9
			21:45	67.2	68.5	65.6
			21:50	66.8	68.5	64.6
			21:55	66.9	68.5	64.3
			22:00	67.3	68.6	65.6
			22:05	67.3	69.2	64.3
			22:10	67.5	69.4	65.1
			22:15	66.7	68.7	64.5
			22:20	66.7	68.5	64.4
			22:25	66.8	68.7	64.2
			22:30	66.6	68.6	64.4

			22:35	66.8	68.5	64.6
			22:40	66.5	68.3	64.5
			22:45	67.0	68.9	64.6
			22:50	66.6	68.3	64.4
			22:55	66.5	68.4	64.3
18/05/2011	Fine	<5	19:00	68.1	69.4	66.1
			19:05	68.1	69.5	66.3
			19:10	68.3	70.2	65.7
			19:15	67.4	68.6	65.8
			19:20	67.8	69.6	65.7
			19:25	67.4	69.0	65.2
			19:30	68.0	69.6	66.1
			19:35	69.4	72.1	65.8
			19:40	69.1	69.8	65.3
			19:45	68.7	70.2	66.1
			19:50	67.0	69.5	65.5
			19:55	68.0	69.3	66.0
			20:00	67.6	69.0	65.4
			20:05	67.6	69.4	65.2
			20:10	67.5	69.3	65.4
			20:15	67.3	69.0	65.2
			20:20	67.7	69.3	65.7
			20:25	67.3	68.6	65.1
			20:30	67.4	69.2	64.8
			20:35	68.1	69.6	65.9
			20:40	67.2	68.8	65.2
			20:45	67.3	69.3	64.6
			20:50	67.2	68.8	65.3
			20:55	67.0	68.6	64.7
			21:00	67.5	69.4	65.2
			21:05	67.2	69.0	65.2
			21:10	68.1	69.6	65.4
			21:15	67.5	69.4	65.0
			21:20	68.6	71.5	65.2
			21:25	67.2	69.2	64.8
			21:30	66.7	68.0	64.9
			21:35	67.2	68.8	65.4
			21:40	67.2	69.0	65.1
			21:45	67.2	68.7	65.1
			21:50	66.7	68.3	64.9
			21:55	66.9	68.6	65.1
			22:00	67.1	68.6	64.8
			22:05	67.6	69.1	65.1
			22:10	67.3	68.9	65.1
			22:15	66.6	68.0	64.3
			22:20	67.2	69.0	64.6

			22:25	66.7	68.2	64.9
			22:30	66.5	67.9	64.8
			22:35	67.2	69.1	64.8
			22:40	66.9	68.7	64.5
			22:45	66.7	68.5	64.4
			22:50	66.7	68.4	64.1
			22:55	66.9	68.2	65.0
19/05/2011	Fine	<5	19:00	68.4	69.7	66.1
			19:05	68.3	69.7	66.0
			19:10	68.4	69.3	66.4
			19:15	68.5	69.5	66.3
			19:20	68.1	69.3	66.0
			19:25	68.0	69.2	66.1
			19:30	68.3	69.4	66.7
			19:35	68.4	69.7	66.7
			19:40	67.9	69.1	66.4
			19:45	68.1	69.0	66.5
			19:50	67.9	68.9	66.3
			19:55	68.0	69.5	66.3
			20:00	67.8	68.3	65.3
			20:05	67.1	68.7	65.3
			20:10	67.2	69.4	65.2
			20:15	67.1	68.7	65.4
			20:20	67.2	68.9	65.2
			20:25	67.1	68.8	65.3
			20:30	67.6	68.3	65.2
			20:35	67.2	68.6	65.3
			20:40	67.5	68.5	65.3
			20:45	67.4	68.6	65.2
			20:50	67.3	68.9	65.0
			20:55	67.0	69.0	65.1
			21:00	66.4	68.3	64.5
			21:05	66.2	68.1	64.3
			21:10	66.1	68.0	64.4
			21:15	66.2	67.8	64.4
			21:20	66.4	68.2	64.3
			21:25	66.3	68.4	64.5
			21:30	65.9	67.6	64.2
			21:35	66.3	68.0	64.2
			21:40	66.4	67.9	64.3
			21:45	66.1	68.3	64.7
			21:50	66.5	68.0	64.8
			21:55	66.4	68.1	64.9
			22:00	66.1	68.2	63.0
			22:05	66.4	68.5	64.1
			22:10	**66.4**	68.4	64.2

			22:15	66.7	68.7	64.1
			22:20	66.4	68.7	64.1
			22:25	66.5	68.5	64.3
			22:30	66.2	68.1	64.0
			22:35	66.3	68.4	64.2
			22:40	66.5	68.3	64.4
			22:45	66.5	68.6	64.3
			22:50	66.4	68.6	64.1
			22:55	66.6	68.5	64.5
20/05/2011	Fine	<5	19:00	67.1	68.7	65.1
			19:05	67.7	69.2	65.2
			19:10	67.6	69.1	65.5
			19:15	68.1	70.0	65.2
			19:20	67.0	68.6	65.2
			19:25	67.1	68.5	65.3
			19:30	67.0	68.2	65.3
			19:35	67.0	68.1	65.0
			19:40	67.0	68.5	64.8
			19:45	67.1	68.3	65.1
			19:50	67.3	68.2	65.4
			19:55	67.1	68.4	65.3
			20:00	68.6	69.8	65.6
			20:05	67.3	68.7	65.3
			20:10	68.7	69.3	65.1
			20:15	68.7	69.3	64.7
			20:20	67.0	68.4	64.8
			20:25	67.2	68.6	65.1
			20:30	68.4	69.8	65.8
			20:35	67.4	68.7	65.4
			20:40	67.7	69.4	64.8
			20:45	67.6	69.2	65.7
			20:50	67.5	69.0	65.3
			20:55	67.6	69.0	65.6
			21:00	67.3	68.9	65.4
			21:05	68.6	70.3	65.8
			21:10	67.1	68.7	65.4
			21:15	67.1	68.7	64.9
			21:20	67.5	69.1	65.2
			21:25	68.2	71.0	65.3
			21:30	66.7	68.0	65.0
			21:35	66.5	69.0	65.3
			21:40	66.3	67.6	65.1
			21:45	67.0	68.5	65.0
			21:50	67.3	68.9	65.3
			21:55	67.1	68.8	65.1
			22:00	67.8	69.6	65.8

			22:05	67.3	69.3	64.8
			22:10	67.3	68.7	65.4
			22:15	66.6	68.1	64.7
			22:20	67.0	68.4	65.5
			22:25	67.7	69.6	65.5
			22:30	67.2	69.4	64.6
			22:35	67.3	68.7	65.3
			22:40	67.0	68.4	65.3
			22:45	67.4	68.8	65.8
			22:50	67.5	69.1	65.4
			22:55	67.3	68.7	65.4
21/05/2011	Fine	<5	22:25	67.2	68.8	64.9
			22:30	67.0	68.5	65.3
			22:35	66.8	67.9	65.5
			22:40	66.6	68.3	64.8
			22:45	66.4	68.2	64.7
			22:50	66.8	67.8	65.3
			22:55	67.3	68.9	64.9
22/05/2011	Fine	<5	19:00	67.1	68.7	64.7
			19:05	67.0	68.4	65.2
			19:10	67.3	69.3	65.0
			19:15	66.4	68.2	64.6
			19:20	66.6	68.3	64.7
			19:25	66.6	67.6	65.3
			19:30	67.2	68.4	65.6
			19:35	66.9	68.4	65.3
			19:40	66.9	68.4	65.2
			19:45	66.6	68.3	65.0
			19:50	66.7	67.9	65.4
			19:55	67.1	68.5	65.3
			20:00	66.7	68.0	65.1
			20:05	67.2	68.7	65.4
			20:10	67.2	68.8	65.4
			20:15	67.9	69.4	66.0
			20:40	67.2	68.7	65.6
			20:45	67.3	68.9	65.5
			19:20	68.1	69.8	66.1
			19:31	69.3	70.8	65.6
			19:38	67.5	68.8	65.6
			19:45	67.2	68.5	65.7
			19:51	68.3	69.5	65.9
			19:56	68.5	69.9	66.7
			20:05	68.6	70.2	66.5
			20:11	67.9	69.3	66.1
			20:16	68.0	69.4	66.2
			20:21	67.8	69.2	66.2

23/05/2011	Fine	<5	20:22	68.2	69.7	65.9
			20:26	68.2	70.0	66.2
			20:30	68.4	70.1	66.2
			20:38	68.5	70.4	65.9
			20:48	67.9	69.5	66
			20:53	68.3	70.3	65.9
			20:59	68.3	69.7	66.3
			21:05	68.0	69.7	65.9
			21:10	68.1	69.6	66.1
			21:16	68.0	69.7	65.9
			21:22	67.8	69.8	65.6
			21:27	67.3	68.6	65.7
			21:34	67.3	68.7	65.5
			21:40	67.6	68.9	65.5
			21:45	67.8	69.4	66.0
			21:50	67.4	68.7	65.7
			21:56	67.7	69.1	65.8
			22:02	68.8	70.4	65.9
			22:07	70.2	70.8	69.5
			22:13	67.4	68.7	65.6
			22:19	68.9	70.0	66.6
			22:24	67.2	68.6	65.6
			22:30	70.4	72.3	66.5
			22:37	68.8	69.9	67.0
			22:43	68.8	69.8	66.8
			22:50	70.1	71.0	68.9
24/05/2011	Fine	<5	22:15	66.9	68.4	64.7
			22:20	66.6	67.8	65.0
			22:25	66.5	67.9	64.6
			22:30	67.0	68.8	64.8
			22:35	66.6	68.3	64.4
			22:40	66.6	68.2	64.8
			22:45	66.7	68.4	64.6
			22:50	66.3	68.0	64.0
			22:55	66.8	68.4	64.8
			19:30	66.7	68.6	64.8
			19:35	67.5	68.8	65.2
			19:40	67.0	68.5	65.1
			19:45	67.2	68.7	65.0
			19:50	67.3	69.4	65.2
			19:55	67.0	68.7	64.9
			20:00	68.2	70.3	65.5
			20:05	68.4	70.8	65.2
			20:10	66.9	68.8	64.9
			20:15	67.3	68.8	65.3
			20:20	67.0	68.7	64.7

25/05/2011	Fine	<5	20:25	66.7	68.0	64.9
			20:30	66.0	68.1	65.8
			20:35	65.4	67.6	63.5
			20:40	66.6	68.7	66.5
			20:45	65.5	67.5	64.8
			20:50	65.4	67.5	65.3
			20:55	66.1	68.6	65.8
			21:00	66.3	68.7	66.1
			21:05	65.6	67.8	64.9
			21:10	65.6	67.6	64.3
			21:15	66.0	68.1	64.8
			21:20	65.4	67.7	65.4
			21:25	65.8	67.9	65.4
			21:30	65.4	67.4	65.1
			21:35	65.4	67.6	65.2
			21:40	64.3	66.3	63.4
			21:45	65.8	68.1	65.2
			21:50	65.9	68.5	64.8
			21:55	66.1	68.4	65.6
			22:00	65.5	68.3	64.1
			22:05	65.5	67.8	64.9

Average	67.0	dB(A)
Max	70.4	dB(A)
Min	62.4	dB(A)

Noise Monitoring Station: M4b - Victoria Centre

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
12/05/2011	Fine	<5	23:00	65.3	66.9	63.1
			23:05	65.0	66.6	63.0
			23:10	64.9	66.7	62.8
			23:15	66.1	68.2	63.8
			23:20	65.8	67.4	63.7
			23:25	65.6	67.7	63.0
			23:30	65.0	66.9	62.3
			23:35	65.0	66.7	62.0
			23:40	64.9	67.0	62.1
			23:45	65.3	67.1	62.3
			23:50	64.9	66.9	62.6
			23:55	64.9	66.9	62.4
13/05/2011	Fine	<5	23:00	65.0	66.7	62.3
			23:05	65.0	66.7	62.0
			23:10	64.9	66.5	62.1
			23:15	64.8	66.3	62.3
			23:20	65.3	66.9	62.7
			23:25	65.0	66.7	62.2
			23:30	65.0	66.8	63.41
			23:35	64.9	66.3	63.0
			23:40	64.7	66.4	63.1
			23:45	64.3	66.0	62.8
			23:50	65.0	66.9	63.6
			23:55	64.5	66.3	62.7
16/05/2011	Fine	<5	23:00	65.9	67.7	63.5
			23:05	64.5	65.8	62.6
			23:10	65.3	67.7	62.9
			23:15	65.3	66.9	62.8
			23:20	65.2	67.3	62.8
			23:25	65.0	67.0	62.7
			23:30	65.4	67.4	63.3
			23:35	65.6	67.5	63.5
			23:40	66.5	68.1	64.6
			23:45	66.4	68.0	64.4
			23:50	65.5	67.0	63.3
			23:55	65.6	67.4	63.9
			23:00	66.7	68.4	64.6
			23:05	66.4	68.2	64.4
			23:10	66.8	68.5	64.6

17/05/2011	Fine	<5	23:15	66.2	68.1	63.9
			23:20	66.5	68.4	64.1
			23:25	66.5	68.5	64.3
			23:30	66.7	68.6	64.2
			23:35	66.4	68.6	64.0
			23:40	66.6	68.5	64.2
			23:45	66.3	68.2	64.0
			23:50	66.5	68.3	64.1
			23:55	66.4	68.5	64.1
18/05/2011	Fine	<5	23:00	66.4	68.0	64.6
			23:05	66.8	68.3	64.5
			23:10	66.4	68.1	64.3
			23:15	67.1	68.8	65.0
			23:20	66.8	68.8	64.1
			23:25	66.5	67.8	64.8
			23:30	66.5	68.1	64.5
			23:35	66.3	67.9	64.1
			23:40	66.6	68.3	64.5
			23:45	66.4	67.8	64.8
			23:50	66.7	68.3	64.5
			23:55	66.4	68.1	64.3
19/05/2011	Fine	<5	23:00	66.2	68.2	64.0
			23:05	66.3	68.1	64.2
			23:10	66.4	68.0	64.2
			23:15	66.5	68.1	64.4
			23:20	66.5	68.1	64.6
			23:25	66.4	68.0	64.3
			23:30	66.4	68.9	64.6
			23:35	66.0	68.3	64.4
			23:40	66.1	68.3	64.6
			23:45	66.2	68.2	64.5
			23:50	66.3	68.4	64.7
			23:55	66.0	67.9	64.3
20/05/2011	Fine	<5	23:00	65.0	66.3	63.2
			23:05	65.1	66.9	63.1
			23:10	64.9	66.1	63.1
			23:15	65.2	66.9	62.8
			23:20	65.1	66.9	62.6
			23:25	64.9	66.6	62.6
			23:30	65.0	66.3	63.0
			23:35	64.7	66.1	62.9
			23:40	65.0	66.7	62.8
			23:45	64.6	66.0	62.7
			23:50	64.8	66.3	62.8
			23:55	65.0	66.5	63.0
			23:00	65.0	66.6	62.8

21/05/2011	Fine	<5	23:05	64.8	66.4	62.8
			23:10	65.3	67.1	63.2
			23:15	66.9	69.0	64.6
			23:20	65.1	66.7	63.0
			23:25	64.6	66.3	63.1
			23:30	65.2	66.5	63.6
			23:35	64.8	66.2	63.4
			23:40	64.9	66.4	63.2
			23:45	64.9	66.4	63.3
			23:50	65.1	66.6	64.5
			23:55	65.2	67.2	62.7
23/05/2011	Fine	<5	23:00	66.5	67.5	63.6
			23:05	66.0	68.2	63.6
			23:11	66.4	68.4	63.8
			23:16	65.1	66.8	63.0
			23:23	65.6	67.3	63.4
			23:28	66.2	68.1	63.4
			23:35	66.5	67.6	63.5
			23:41	66.5	68.0	63.4
			23:46	66.4	67.3	63.4
			23:51	66.2	67.5	64.0
			23:57	65.3	67.0	63.0
			00:02	65.5	66.8	63.4
24/05/2011	Fine	<5	23:00	66.7	68.4	64.6
			23:05	66.4	68.1	64.7
			23:10	66.3	68.3	63.2
			23:15	66.7	68.4	64.8
			23:20	66.3	67.9	64.7
			23:25	66.7	68.5	64.4
			23:30	65.9	67.6	64.0
			23:35	66.6	68.2	64.6
			23:40	66.5	68.3	64.4
			23:45	66.2	68.1	64.0
			23:50	66.2	68.1	63.9
			23:55	65.3	66.9	63.8
25/05/2011	Fine	<5	23:00	66.7	69.1	63.3
			23:05	66.3	68.3	63.2
			23:10	66.7	69.0	64.0
			23:15	66.9	69.6	63.5
			23:20	66.3	68.8	63.0
			23:25	66.5	68.6	63.2
			23:30	65.6	67.5	62.9
			23:35	65.1	66.8	62.1
			23:40	65.0	67.1	62.2
			23:45	65.2	67.0	62.2
			23:50	65.2	67.2	62.9

			23:55	65.5	67.5	63.0

Average	65.8	dB(A)
Max	67.1	dB(A)
Min	64.3	dB(A)

Noise Monitoring Station: M5b - City Garden

Monitoring Time Period: Normal Weekday between 0700 and 1900 hrs without any construction works near monitoring station

			30-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
26/04/2011	Fine	<5	12:00	67.8	68.0	65.8
			12:30	66.7	67.7	66.3
27/04/2011	Fine	<5	12:00	66.4	67.3	65.1
			12:30	66.3	67.1	64.5
28/04/2011	Fine	<5	12:00	67.3	69.7	65.4
			12:30	67.0	69.4	65.2
29/04/2011	Fine	<5	12:00	69.2	70.0	68.1
			12:30	69.4	70.2	68.3
30/04/2011	Fine	<5	12:00	67.1	69.4	65.2
			12:30	66.9	69.5	65.4
05/05/2011	Fine	<5	12:00	69.5	70.4	68.2
			12:30	69.6	70.1	68.2
06/05/2011	Fine	<5	12:00	69.1	69.8	68.3
			12:30	68.7	69.5	67.4
07/05/2011	Fine	<5	12:00	66.7	68.9	65.3
			12:30	66.5	68.2	65.0
09/05/2011	Fine	<5	12:00	69.4	70.1	68.2
			12:30	69.0	69.7	68.2
11/05/2011	Fine	<5	12:00	67.2	68.9	66.7
			12:30	67.5	68.4	66.3

Average	68.0	dB(A)
Max	69.6	dB(A)
Min	66.3	dB(A)

Noise Monitoring Station: M5b - City Garden

Monitoring Time Period: Normal Weekday between 1900 and 2300 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
26/04/2011	Fine	<5	20:20	65.7	67.3	63.7
			20:25	65.5	67.3	63.5
			20:30	65.6	67.9	63.4
			20:35	65.7	67.2	63.5
			20:40	65.7	67.2	63.7
			20:45	65.2	67.5	63.1
			20:50	66.2	67.7	63.4
			20:55	64.8	66.8	64.0
			21:00	65.6	66.5	64.5
			21:05	65.4	65.8	63.5
			21:10	65.7	66.7	64.5
			21:15	65.2	66.2	63.7
			21:20	65.5	66.7	64.1
			21:25	65.8	66.7	64.6
			21:30	66.4	67.2	65.3
			21:35	66.1	67.1	64.9
			21:40	65.3	66.2	64.3
			21:45	66.0	67.1	64.6
			21:50	65.4	66.4	64.3
			21:55	65.9	66.9	64.7
			22:00	66.5	67.1	64.5
			22:05	66.0	66.9	64.8
			22:10	65.3	66.0	64.1
			22:15	65.6	66.6	64.5
			22:20	65.8	66.6	64.6
			22:25	65.6	66.8	64.2
			22:30	65.7	66.5	63.9
			22:35	65.5	66.4	64.1
			22:40	66.2	67.2	65.1
			22:45	66.0	67.1	64.9
			22:50	66.1	67.1	65.1
			22:55	65.7	66.9	64.2
			20:30	66.3	67.9	65.1
			20:35	66.5	67.4	65.1
			20:40	66.3	67.1	65.2
			20:45	66.1	66.9	65.1
			20:50	66.5	67.3	65.6
			20:55	66.2	66.9	65.2
			21:00	66.2	66.7	65.2

27/04/2011	Fine	<5	21:05	66.7	68.0	65.1
			21:10	66.4	67.6	65.3
			21:15	66.3	67.3	65.2
			21:20	66.0	66.8	65.1
			21:25	67.0	67.8	66.1
			21:30	66.7	67.1	64.9
			21:35	66.0	66.8	65.0
			21:40	66.2	67.5	64.9
			21:45	66.6	67.3	65.8
			21:50	66.5	67.5	65.2
			21:55	66.2	66.9	65.3
			22:00	66.4	67.7	65.0
			22:05	66.2	67.1	64.8
			22:10	65.7	66.6	64.2
			22:15	66.1	66.8	65.0
			22:20	66.5	67.1	65.3
			22:25	66.0	67.1	65.0
			22:30	66.0	66.5	65.1
			22:35	65.9	66.8	65.1
			22:40	66.5	67.5	64.4
			22:45	66.4	67.5	65.2
			22:50	66.9	67.4	65.8
			22:55	66.4	67.6	64.8
28/04/2011	Fine	<5	20:25	66.1	66.7	65.0
			20:30	66.5	66.8	65.5
			20:35	66.7	67.1	65.6
			20:40	66.2	67.6	65.2
			20:45	66.4	68.3	65.0
			20:50	66.6	68.5	65.4
			20:55	66.7	67.3	66.0
			21:00	70.4	72.1	68.2
			21:05	66.2	68.0	63.8
			21:10	66.5	67.1	66.1
			21:15	66.3	66.8	65.5
			21:20	66.4	67.1	65.6
			21:25	66.9	67.5	65.9
			21:30	66.5	67.1	65.7
			21:35	66.6	67.3	65.9
			21:40	66.7	67.8	65.9
			21:45	66.4	67.1	65.6
			21:50	66.3	66.9	65.6
			21:55	66.3	67.0	65.6
			22:00	66.5	67.1	65.7
			22:05	66.8	67.5	66.0
			22:10	66.8	67.6	65.8
			22:15	66.6	67.3	65.8

			22:20	66.2	66.9	65.2
			22:25	66.3	67.3	65.5
			22:30	66.6	67.9	65.4
			22:35	66.8	68.2	65.3
			22:40	66.6	67.2	65.3
			22:45	66.1	67.0	65.6
			22:50	66.2	67.1	65.2
			22:55	66.2	67.2	65.3
29/04/2011	Fine	<5	19:15	66.5	67.2	65.4
			19:20	66.4	67.1	65.5
			19:25	66.2	67.3	65.0
			19:30	66.5	67.2	65.7
			19:35	66.2	66.9	65.3
			19:40	66.7	67.3	65.9
			19:45	66.1	66.7	65.2
			19:50	66.3	66.9	65.2
			19:55	66.8	67.5	65.8
			20:00	66.2	66.9	65.3
			20:05	66.4	67.0	65.2
			20:10	66.9	67.6	66.1
			20:15	66.4	67.4	65.2
			20:20	66.8	67.3	66.1
			20:25	66.9	67.5	66.1
			20:30	66.8	67.4	66.0
			20:35	66.6	67.2	65.9
			20:40	66.2	67.0	65.0
			20:45	66.7	67.2	65.9
			20:50	66.6	67.2	65.8
			20:55	66.8	67.2	66.0
			21:00	66.6	67.2	65.8
			21:05	66.3	66.9	65.0
			21:10	66.6	66.9	65.7
			21:15	66.7	67.2	66.0
			21:20	66.8	67.5	65.7
			21:25	66.9	67.8	65.9
			21:30	66.6	68.1	64.9
			21:35	66.6	67.3	65.7
			21:40	66.5	67.3	65.6
			21:45	66.5	67.2	65.5
			21:50	66.4	67.1	65.5
			21:55	66.7	67.4	65.5
			22:00	66.4	67.0	65.6
			22:05	66.4	66.9	65.6
			22:10	66.3	67.0	65.5
			22:15	66.3	67.0	65.6
			22:20	66.5	67.1	65.8

			22:25	66.3	67.0	65.5
			22:30	66.7	67.4	65.7
			22:35	66.3	66.9	65.6
			22:40	66.5	67.0	65.7
			22:45	66.0	67.1	65.7
			22:50	67.0	67.9	65.4
			22:55	66.2	66.7	65.4
30/04/2011	Fine	<5	19:30	66.4	66.9	65.4
			19:35	66.8	67.8	65.5
			19:40	66.6	67.4	65.4
			19:45	66.6	67.5	65.6
			19:50	66.2	66.5	65.2
			19:55	66.7	67.6	65.7
			20:00	66.5	67.4	65.7
			20:05	66.7	67.4	65.8
			20:10	66.7	67.5	65.7
			20:15	66.4	66.9	65.5
			20:20	66.3	67.0	65.4
			20:25	66.4	67.3	65.5
			20:30	66.2	67.0	65.2
			20:35	66.1	66.6	65.2
			20:40	66.5	67.4	65.3
			20:45	66.8	67.6	65.4
			20:50	66.4	67.3	65.4
			20:55	66.3	67.4	65.1
			21:00	66.0	66.7	65.2
			21:05	66.1	66.9	65.9
			21:10	66.5	67.3	65.9
			21:15	66.9	67.6	65.9
			21:20	66.7	67.5	65.8
			21:25	66.1	66.7	65.2
			21:30	66.3	66.7	65.6
			21:35	66.3	66.7	65.2
			21:40	66.5	67.2	65.1
			21:45	66.8	67.8	65.5
			21:50	66.5	67.1	65.8
			21:55	66.2	66.8	65.3
			22:00	66.5	67.0	65.3
			22:05	66.2	66.8	65.4
			22:10	66.6	67.2	65.4
			22:15	66.1	66.7	65.3
			22:20	66.2	66.6	65.4
			22:25	66.4	67.2	65.6
			22:30	66.5	67.2	65.7
			22:35	66.7	67.4	65.8
			22:40	66.8	67.4	65.9

			22:45	66.2	67.0	65.4
			22:50	66.6	67.6	65.6
			22:55	66.5	67.3	65.5
01/05/2011	Fine	<5	19:05	67.1	67.7	66.3
			19:10	66.4	67.3	65.8
			19:15	66.8	67.7	65.9
			19:20	66.2	67.0	65.3
			19:25	67.0	67.6	66.3
			19:30	66.5	67.4	65.8
			19:35	66.2	67.1	65.1
			19:40	67.0	67.8	66.1
			19:45	66.5	67.8	65.6
			19:50	67.0	67.8	66.1
			19:55	66.8	67.4	66.2
			20:00	66.9	67.6	66.0
			20:05	66.7	67.2	66.0
			20:10	66.9	67.6	65.8
			20:15	66.9	67.5	66.0
			20:20	66.4	67.2	65.4
			20:25	67.0	67.7	66.0
			20:30	66.9	67.4	66.1
			20:35	67.0	67.6	66.1
			20:40	66.3	67.3	65.2
			20:45	66.9	67.6	66.0
			20:50	67.1	68.0	66.1
			20:55	66.7	67.4	65.4
			21:00	67.0	67.4	66.0
			21:05	66.8	67.8	65.9
			21:10	67.1	67.6	66.3
			21:15	66.9	67.6	66.1
			21:20	66.5	68.5	65.8
			21:25	67.4	68.3	66.2
			21:30	66.7	67.6	65.9
			21:35	67.0	67.9	66.0
			21:40	66.8	68.7	65.8
			21:45	67.0	67.9	66.0
			21:50	66.6	67.2	65.2
			21:55	66.7	68.3	65.9
			22:00	67.2	68.0	66.2
			22:05	66.7	67.3	66.0
			22:10	67.1	67.4	67.0
			22:15	66.5	67.4	65.9
			22:20	66.9	67.5	65.4
			22:25	66.8	67.4	66.0
			22:30	66.7	67.4	65.9
			22:35	66.8	67.4	66.1

			22:40	67.0	67.7	66.1
			22:45	66.4	67.0	65.8
			22:50	67.0	67.5	66.0
			22:55	66.6	67.1	65.8
			19:05	66.3	66.4	65.2
			19:10	66.7	67.8	65.4
			19:15	66.5	67.7	65.6
			19:20	66.5	67.9	65.5
			19:25	66.4	67.2	65.3
			19:30	66.3	67.2	65.2
			19:35	66.5	67.2	65.6
			19:40	66.9	67.5	66.0
			19:45	66.8	67.5	66.0
			19:50	66.9	67.6	65.8
			19:55	66.8	67.4	66.0
			20:00	66.2	66.9	65.1
			20:05	66.1	66.6	65.1
			20:10	66.8	67.5	65.9
			20:15	66.8	67.4	66.0
			20:20	66.7	67.3	66.0
			20:25	66.5	67.2	65.5
			20:30	66.9	67.5	65.1
			20:35	66.9	67.5	66.1
			20:40	66.3	67.3	65.1
			20:45	66.3	67.2	65.2
			20:50	67.2	68.6	65.6
			20:55	66.5	67.1	65.4
02/05/2011	Fine	<5	21:00	66.2	67.0	65.2
			21:05	66.4	68.6	65.4
			21:10	66.8	67.8	65.9
			21:15	67.1	67.7	66.3
			21:20	66.9	67.0	65.8
			21:25	66.5	68.5	65.8
			21:30	66.4	68.5	65.8
			21:35	66.5	68.3	65.9
			21:40	66.3	68.6	65.2
			21:45	67.0	68.9	65.7
			21:50	66.2	68.5	65.4
			21:55	66.6	68.7	65.6
			22:00	66.8	68.7	65.8
			22:05	66.7	67.2	66.0
			22:10	66.6	67.3	65.9
			22:15	66.8	67.5	66.0
			22:20	66.4	66.9	65.8
			22:25	66.6	67.2	65.8
			22:30	66.7	67.4	65.9

			22:35	66.5	67.1	65.8
			22:40	66.7	67.3	66.0
			22:45	66.8	67.3	66.2
			22:50	66.6	67.2	65.9
			22:55	67.1	67.9	66.2
05/05/2011	Fine	<5	19:00	66.8	67.3	65.8
			19:05	67.0	67.6	66.2
			19:10	66.8	67.2	66.1
			19:15	67.5	68.7	66.3
			19:20	67.0	67.5	66.3
			19:25	66.9	67.5	66.1
			19:30	67.0	68.0	66.0
			19:35	67.4	68.5	66.1
			19:40	66.9	68.0	65.5
			19:45	66.8	67.3	66.1
			19:50	66.9	67.3	66.3
			19:55	67.2	68.2	66.2
			20:00	67.2	67.6	66.1
			20:05	67.0	67.8	66.1
			20:10	67.2	68.6	66.4
			20:15	67.2	68.2	66.7
			20:20	67.3	68.5	66.9
			20:25	67.7	68.7	66.6
			20:30	66.6	67.3	65.6
			20:35	66.8	67.6	65.8
			20:40	67.8	68.7	66.8
			20:45	67.2	68.2	66.1
			20:50	67.0	68.1	66.0
			20:55	66.9	67.5	65.8
			21:00	67.5	68.3	66.6
			21:05	67.4	68.2	66.5
			21:10	67.5	68.1	66.7
			21:15	67.4	68.3	66.4
			21:20	67.7	68.6	66.5
			21:25	66.9	67.4	66.2
			21:30	67.0	67.7	66.2
			21:35	66.9	67.9	66.0
			21:40	66.7	67.4	65.8
			21:45	66.7	67.3	65.9
			21:50	66.8	67.4	65.9
			21:55	66.5	67.1	65.9
			22:00	67.6	68.2	66.8
			22:05	67.7	68.3	66.9
			22:10	67.0	67.8	66.0
			22:15	66.9	67.9	65.8
			22:20	67.5	68.4	66.7

			22:25	67.8	68.3	66.0
			22:30	67.6	67.9	66.7
			22:35	67.7	68.4	66.8
			22:40	67.5	68.1	66.8
			22:45	66.3	66.9	65.7
			22:50	66.9	67.9	65.8
			22:55	67.3	68.0	66.5
06/05/2011	Fine	<5	19:00	67.5	68.2	66.8
			19:05	66.9	67.6	66.1
			19:10	66.9	67.6	66.1
			19:15	67.0	67.9	66.3
			19:20	67.4	68.2	66.6
			19:25	67.7	68.6	66.5
			19:30	67.4	68.3	66.5
			19:35	67.6	68.3	66.8
			19:40	66.9	67.9	65.8
			19:45	67.5	68.1	66.8
			19:50	67.7	68.7	66.6
			19:55	67.3	68.5	66.9
			20:00	66.6	67.5	65.5
			20:05	67.0	67.5	66.0
			20:10	67.8	68.5	66.7
			20:15	67.4	68.1	66.7
			20:20	67.7	68.3	66.9
			20:25	67.5	68.3	66.6
			20:30	67.6	68.1	66.9
			20:35	67.4	68.1	66.7
			20:40	67.5	68.2	66.7
			20:45	67.3	68.0	66.5
			20:50	67.4	68.0	66.6
			20:55	67.3	68.0	66.5
			21:00	67.4	67.9	66.5
			21:05	67.3	67.9	66.5
			21:10	67.3	68.7	66.1
			21:15	67.3	68.6	65.9
			21:20	67.3	67.8	66.6
			21:25	67.7	68.4	66.8
			21:30	67.5	68.0	66.7
			21:35	67.7	68.2	67.0
			21:40	67.8	68.6	66.8
			21:45	67.1	67.9	66.2
			21:50	67.4	68.3	66.4
			21:55	67.2	68.0	66.3
			22:00	67.8	69.0	66.3
			22:05	67.9	68.9	66.5
			22:10	67.6	68.5	66.5

			22:15	67.1	67.8	66.2
			22:20	67.0	67.9	66.0
			22:25	67.5	68.6	66.2
			22:30	67.4	68.4	66.1
			22:35	67.3	68.1	66.1
			22:40	67.3	68.2	66.2
			22:45	67.0	67.7	66.0
			22:50	66.5	67.0	65.7
			22:55	66.5	67.2	65.7
07/05/2011	Fine	<5	19:00	67.5	68.0	66.8
			19:05	67.8	68.4	67.0
			19:10	67.8	68.4	67.0
			19:15	67.9	68.5	67.1
			19:20	67.6	68.3	66.8
			19:25	67.7	68.2	66.8
			19:30	67.8	68.2	67.1
			19:35	67.2	68.2	66.1
			19:40	67.9	68.9	66.9
			19:45	67.1	68.0	66.1
			19:50	67.9	69.0	66.8
			19:55	67.9	68.8	67.0
			20:00	67.6	68.1	66.8
			20:05	67.7	68.3	66.9
			20:10	67.9	69.0	66.9
			20:15	67.3	68.0	66.5
			20:20	67.5	68.0	66.7
			20:25	67.8	68.2	66.9
			20:30	67.6	68.3	66.7
			20:35	71.2	71.4	68.0
			20:40	67.6	68.3	66.8
			20:45	67.5	68.2	66.7
			20:50	67.7	68.5	66.7
			20:55	67.8	68.5	66.8
			21:00	67.5	68.2	66.7
			21:05	68.5	69.9	66.8
			21:10	68.2	69.7	66.9
			21:15	67.6	68.3	66.8
			21:20	67.4	67.8	66.7
			21:25	67.4	67.9	66.8
			21:30	67.6	68.2	66.6
			21:35	67.5	67.9	66.9
			21:40	67.7	68.5	66.9
			21:45	67.9	68.3	66.7
			21:50	67.7	68.0	66.8
			21:55	67.5	68.0	66.8
			22:00	67.0	68.0	66.8

			22:05	67.7	68.2	66.9
			22:10	67.7	68.4	66.9
			22:15	67.5	68.2	66.7
			22:20	67.7	68.2	66.9
			22:25	67.6	68.2	66.9
			22:30	67.6	68.2	67.0
			22:35	67.8	68.3	67.1
			22:40	67.7	68.2	67.0
			22:45	67.6	68.3	66.8
			22:50	67.7	68.3	67.0
			22:55	67.5	67.9	66.5
08/05/2011	Fine	<5	19:00	67.2	68.7	66.5
			19:05	67.9	68.9	66.4
			19:10	67.9	68.9	66.4
			19:15	67.5	68.1	66.6
			19:20	67.7	68.4	66.6
			19:25	67.3	67.9	66.6
			19:30	67.4	68.3	66.7
			19:35	67.5	68.0	66.8
			19:40	67.3	67.9	66.7
			19:45	67.2	67.7	66.2
			19:50	67.5	68.1	66.6
			19:55	67.9	68.5	66.7
			20:00	67.4	68.0	66.5
			20:05	67.7	68.4	66.7
			20:10	67.1	67.9	66.8
			20:15	67.8	68.4	66.8
			20:20	67.5	68.3	66.6
			20:25	67.2	67.7	66.5
			20:30	67.7	68.3	66.6
			20:35	67.2	67.6	66.4
			20:40	67.2	67.6	66.5
			20:45	67.5	67.9	66.7
			20:50	67.8	68.4	67.0
			20:55	67.6	68.2	66.6
			21:00	67.4	68.0	66.6
			21:05	67.6	68.4	66.5
			21:10	67.9	68.7	66.8
			21:15	67.5	68.4	66.6
			21:20	67.3	67.8	66.5
			21:25	67.2	67.9	66.5
			21:30	67.3	67.9	66.4
			21:35	67.1	67.5	66.4
			21:40	67.0	67.4	66.4
			21:45	67.2	67.8	66.4
			21:50	67.7	68.4	66.6

			21:55	67.4	68.2	66.5
			22:00	67.6	68.6	66.5
			22:05	67.5	68.4	66.5
			22:10	67.6	68.6	66.6
			22:15	67.3	68.0	66.4
			22:20	67.9	69.0	66.8
			22:25	67.9	68.6	66.8
			22:30	67.7	68.5	66.7
			22:35	67.5	68.3	66.7
			22:40	67.6	68.6	66.6
			22:45	67.9	68.9	66.8
			22:50	68.0	69.0	67.0
			22:55	69.6	70.3	66.9
09/05/2011	Fine	<5	19:00	67.9	68.4	67.2
			19:05	67.7	68.5	66.8
			19:10	67.7	68.5	66.8
			19:15	67.2	68.2	66.6
			19:20	68.8	69.9	67.5
			19:25	68.5	69.4	67.2
			19:30	67.3	68.2	66.3
			19:35	67.6	68.6	66.5
			19:40	67.3	68.8	66.4
			19:45	67.9	68.9	66.6
			19:50	67.6	68.6	67.0
			19:55	67.9	69.0	66.8
			20:00	68.0	68.6	66.9
			20:05	67.5	68.1	66.8
			20:10	67.7	67.9	66.6
			20:15	67.6	68.3	66.8
			20:20	67.9	68.3	67.2
			20:25	67.8	68.2	66.9
			20:30	67.7	68.3	67
			20:35	67.4	68.0	66.7
			20:40	67.2	68.1	66.4
			20:45	68.0	69.0	66.9
			20:50	67.4	68.0	66.7
			20:55	67.4	68.1	66.7
			21:00	68.0	68.5	66.5
			21:05	67.1	67.8	66.3
			21:10	67.4	67.9	66.5
			21:15	67.2	67.7	66.4
			21:20	67.6	68.3	66.8
			21:25	67.5	67.9	66.5
			21:30	67.3	68.0	66.4
			21:35	68.5	68.6	67.2
			21:40	67.5	68.2	66.4

			21:45	67.4	67.9	66.5
			21:50	67.1	67.7	66.2
			21:55	67.5	68.3	66.5
			22:00	67.2	67.9	66.5
			22:05	68.3	69.7	66.7
			22:10	67.3	67.9	66.5
			22:15	67.4	68.2	66.5
			22:20	67.3	67.8	66.5
			22:25	67.5	68.1	66.9
			22:30	67.6	68.0	66.6
			22:35	67.3	67.8	66.6
			22:40	67.1	67.6	66.4
			22:45	67.3	67.9	66.5
			22:50	67.4	68.0	66.5
			22:55	67.9	69.3	66.6
10/05/2011	Fine	<5	19:00	67.9	68.4	64.0
			19:05	67.5	68.1	66.7
			19:10	67.5	68.1	66.7
			19:15	67.7	68.5	67.0
			19:20	67.6	68.1	66.8
			19:25	68.1	68.4	66.8
			19:30	67.5	67.9	66.7
			19:35	67.4	68.1	66.7
			19:40	67.5	68.1	66.7
			19:45	67.5	67.9	66.8
			19:50	67.2	67.8	66.7
			19:55	67.6	68.2	66.7
			20:00	67.5	68.3	66.6
			20:05	67.4	68.0	66.5
			20:10	67.7	68.5	67.0
			20:15	67.5	67.9	66.5
			20:20	68.0	68.4	66.5
			20:25	67.4	67.8	66.6
			20:30	67.3	68.1	66.9
			20:35	67.5	68.5	66.4
			20:40	67.9	69.0	66.7
			20:45	67.1	67.5	66.6
			20:50	67.1	67.5	66.5
			20:55	67.9	68.3	67.0
			21:00	67.6	67.7	66.5
			21:05	67.1	67.6	66.5
			21:10	67.2	68.0	66.5
			21:15	67.1	67.5	66.4
			21:20	67.8	68.2	66.8
			21:25	67.2	67.7	66.4
			21:30	67.7	68.0	66.9

			21:35	67.8	68.4	67.0
			21:40	67.6	68.4	66.8
			21:45	67.9	68.5	67.1
			21:50	68.9	69.9	67.1
			21:55	67.7	68.3	66.9
			22:00	67.7	68.2	67.1
			22:05	67.6	68.2	66.9
			22:10	67.6	68.1	66.9
			22:15	67.5	68.2	66.6
			22:20	67.6	68.1	66.8
			22:25	67.5	68.0	66.8
			22:30	67.6	68.1	66.9
			22:35	68.0	68.6	67.1
			22:40	67.6	68.3	66.8
			22:45	67.7	68.3	66.7
			22:50	67.7	68.2	66.9
			22:55	67.7	68.2	67.0
11/05/2011	Fine	<5	19:00	67.9	68.5	67.0
			19:05	68.0	68.8	67.1
			19:10	68.0	68.8	67.1
			19:15	68.1	68.7	67.2
			19:20	68.4	69.4	67.4
			19:25	68.9	69.6	68.0
			19:30	68.7	69.6	67.9
			19:35	68.1	69.5	66.7
			19:40	67.9	68.4	66.9
			19:45	68.1	69.3	66.8
			19:50	67.9	68.1	66.5
			19:55	67.6	68.7	66.5
			20:00	67.5	68.3	66.7
			20:05	67.4	67.6	66.2
			20:10	67.9	68.6	67.0
			20:15	67.3	67.9	66.2
			20:20	67.9	68.5	67.0
			20:25	68.2	68.7	67.2
			20:30	68.2	68.8	67.2
			20:35	68.0	68.6	67.2
			20:40	68.2	69.0	67.1
			20:45	67.9	68.5	67.0
			20:50	68.0	68.9	67.1
			20:55	68.4	69.0	67.4
			21:00	68.2	68.8	67.6
			21:05	68.4	69.0	67.7
			21:10	68.6	69.2	67.8
			21:15	68.4	69.1	67.4
			21:20	68.2	68.8	67.5

			21:25	68.2	68.7	67.4
			21:30	68.7	69.3	67.7
			21:35	68.8	69.4	68.0
			21:40	68.6	69.4	67.7
			21:45	68.3	68.7	67.6
			21:50	68.4	69.1	67.7
			21:55	68.5	69.2	67.7
			22:00	68.4	69.0	67.6
			22:05	68.2	68.6	67.6
			22:10	68.3	68.9	67.5
			22:15	68.2	68.8	67.5
			22:20	68.5	69.1	67.8
			22:25	68.6	69.8	67.5
			22:30	68.6	69.2	67.8
			22:35	68.4	69.4	67.4
			22:40	68.5	69.1	67.8
			22:45	68.2	68.7	67.5
			22:50	68.6	69.3	67.8
			22:55	68.2	68.7	67.5

Average	67.2	dB(A)
Max	71.2	dB(A)
Min	64.8	dB(A)

Noise Monitoring Station: M5b - City Garden

Monitoring Time Period: Normal Weekday between 2300 and 0700 hrs without any construction works near monitoring station

			5-min measurement, dB(A)			
Date	Weather	Wind Speed(m/s)	Start time	Leq	L10	L90
26/04/2011	Fine	<5	23:00	65.4	66.4	64.2
			23:05	65.9	67.0	64.3
			23:10	66.1	67.7	64.4
			23:15	65.7	66.7	63.3
			23:20	65.7	66.6	64.2
			23:25	65.6	66.6	64.3
			23:30	65.7	66.9	64.4
			23:35	66.4	67.6	65.1
			23:40	66.2	67.1	64.9
			23:45	66.3	67.2	65.2
			23:50	66.0	67.1	64.9
			23:55	67.1	68.0	64.6
			00:00	66.1	67.4	64.3
27/04/2011	Fine	<5	23:00	66.9	67.6	65.9
			23:05	67.0	67.7	66.0
			23:10	66.6	67.8	65.6
			23:15	66.8	67.5	66.1
			23:20	66.7	67.5	65.8
			23:25	66.3	67.0	65.1
			23:30	65.9	67.2	64.7
			23:35	66.5	67.3	65.6
			23:40	66.5	67.2	65.6
			23:45	66.2	67.3	65.3
			23:50	66.3	67.5	64.9
			23:55	66.7	67.9	65.4
			00:00	66.7	67.6	65.7
28/04/2011	Fine	<5	23:00	66.6	67.0	65.4
			23:05	66.8	67.4	66.0
			23:10	66.9	67.5	66.0
			23:15	66.3	66.9	65.5
			23:20	66.0	66.8	65.1
			23:25	66.1	66.8	65.2
			23:30	65.9	66.4	65.2
			23:35	66.9	68.5	65.6
			23:40	66.8	68.2	65.6
			23:45	66.4	67.4	65.5
			23:50	66.7	68.1	65.2
			23:55	66.1	67.2	65.1
			00:00	66.3	67.3	65.4

29/04/2011	Fine	<5	23:00	66.7	67.5	65.7
			23:05	66.5	67.4	65.8
			23:10	66.9	67.9	65.5
			23:15	67.0	68.0	65.6
			23:20	66.5	67.2	65.5
			23:25	66.4	66.8	65.8
			23:30	66.5	67.2	65.6
			23:35	66.2	66.9	65.5
			23:40	66.9	68.2	65.9
			23:45	66.3	67.0	65.1
			23:50	66.7	67.3	66.1
			23:55	66.4	66.9	65.2
			00:00	66.2	66.7	65.1
30/04/2011	Fine	<5	23:00	66.4	67.0	65.6
			23:05	66.2	66.8	65.8
			23:10	66.1	66.6	65.4
			23:15	66.5	67.4	65.2
			23:20	66.4	67.2	65.6
			23:25	66.4	67.4	65.5
			23:30	66.2	67.1	65.1
			23:35	66.6	67.3	65.9
			23:40	66.7	67.4	65.9
			23:45	66.2	66.9	65.9
			23:50	66.7	67.4	65.9
			23:55	66.4	67.1	66.0
			00:00	66.6	67.5	65.8
01/05/2011	Fine	<5	23:00	66.7	67.3	66.0
			23:05	66.7	67.4	66.0
			23:10	67.2	67.8	66.4
			23:15	66.3	67.0	65.2
			23:20	66.5	66.8	65.7
			23:25	66.7	67.3	66.0
			23:30	66.2	66.8	65.4
			23:35	66.5	67.2	65.9
			23:40	66.8	67.7	66.1
			23:45	67.0	67.6	66.4
			23:50	66.4	67.4	65.8
			23:55	67.2	67.8	66.3
			00:00	66.4	67.3	65.7
02/05/2011	Fine	<5	23:00	67.0	67.5	66.1
			23:05	66.5	67.1	65.8
			23:10	66.5	67.1	65.8
			23:15	66.6	67.2	65.8
			23:20	66.4	67.0	65.6
			23:25	66.6	67.1	65.8
			23:30	66.5	67.0	65.6

			23:35	66.6	67.1	66.0
			23:40	67.8	69.1	65.7
			23:45	66.8	67.5	65.8
			23:50	66.8	67.5	65.9
			23:55	66.3	67.2	65.3
			00:00	67.0	68.1	65.5
05/05/2011	Fine	<5	23:00	67.4	68.1	66.6
			23:05	67.3	67.9	66.5
			23:10	67.0	68.2	66.0
			23:15	66.6	67.2	65.8
			23:20	67.5	68.2	66.8
			23:25	67.5	68.1	66.9
			23:30	67.5	68.3	66.7
			23:35	67.7	68.2	67.1
			23:40	66.9	67.5	66.1
			23:45	66.9	67.4	66.5
			23:50	67.6	68.4	66.8
			23:55	67.6	68.1	66.8
06/05/2011	Fine	<5	23:00	67.1	67.8	66.2
			23:05	67.2	67.7	66.3
			23:10	67.0	67.6	66.3
			23:15	67.0	68.4	65.5
			23:20	67.0	67.4	66.3
			23:25	67.9	68.6	66.2
			23:30	67.8	68.3	67.1
			23:35	67.0	67.8	66.2
			23:40	67.2	67.8	66.4
			23:45	67.2	67.9	66.4
			23:50	67.6	68.6	66.5
			23:55	67.1	67.9	66.3
07/05/2011	Fine	<5	23:00	67.7	68.4	66.8
			23:05	67.4	67.9	66.8
			23:10	67.7	68.5	66.8
			23:15	67.6	68.0	66.7
			23:20	67.5	67.9	66.7
			23:25	67.5	68.0	66.7
			23:30	67.6	68.1	66.8
			23:35	67.9	68.8	66.9
			23:40	69.1	69.6	68.2
			23:45	67.6	68.1	66.6
			23:50	67.6	68.3	66.6
			23:55	67.7	68.3	67.0
			23:00	67.7	68.5	66.7
			23:05	67.5	68.3	66.7
			23:10	67.6	68.6	66.6
			23:15	67.9	68.9	66.8

08/05/2011	Fine	<5	23:20	68.0	69.0	67.0
			23:25	69.6	70.3	66.9
			23:30	68.5	69.7	67.0
			23:35	67.7	68.5	66.5
			23:40	67.8	68.9	66.5
			23:45	67.5	68.3	66.6
			23:50	67.3	67.7	66.5
			23:55	67.1	67.6	66.3
09/05/2011	Fine	<5	23:00	67.8	68.6	66.7
			23:05	67.5	68.3	66.7
			23:10	68.1	69.1	66.8
			23:15	67.3	68.0	66.4
			23:20	67.7	68.4	66.6
			23:25	67.7	68.4	66.8
			23:30	67.5	68.0	66.8
			23:35	68.0	69.1	66.9
			23:40	67.2	67.8	66.4
			23:45	67.6	68.4	66.9
			23:50	67.8	68.5	67.0
			23:55	67.8	68.3	66.8
10/05/2011	Fine	<5	23:00	67.8	68.4	67.1
			23:05	67.5	68.1	66.8
			23:10	68.0	68.5	67.1
			23:15	67.6	68.2	66.9
			23:20	67.5	67.9	66.9
			23:25	67.7	68.4	66.9
			23:30	67.7	68.3	66.7
			23:35	67.6	68.4	66.7
			23:40	67.5	68.2	67.0
			23:45	68.0	68.6	67.1
			23:50	67.5	68.1	66.8
			23:55	67.5	68.2	66.6
11/05/2011	Fine	<5	23:00	68.1	68.7	67.4
			23:05	68.2	68.8	67.5
			23:10	68.3	68.9	67.6
			23:15	68.2	68.8	67.3
			23:20	68.2	68.7	67.4
			23:25	68.4	68.8	67.6
			23:30	68.3	68.8	67.5
			23:35	68.2	68.8	67.5
			23:40	68.2	68.8	67.4
			23:45	68.5	69.1	67.8
			23:50	68.3	68.9	67.5
			23:55	68.4	69.1	67.7

Average	67.1	dB(A)

Max	69.6	dB(A)
Min	65.4	dB(A)

Appendix C
Supplementary Baseline Noise Monitoring Schedule

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

Supplementary baseline noise review schedule (2011)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
10-Apr **Station(s) Reviewed** **M1a**	11-Apr **Station(s) Reviewed** **M1a**	12-Apr **Station(s) Reviewed** **M1a**	13-Apr **Station(s) Reviewed** **M1a**	14-Apr **Station(s) Reviewed** **M1a**	15-Apr **Station(s) Reviewed** **M1a, M7e, M7w**	16-Apr **Station(s) Reviewed** **M1a, M7e, M7w**
17-Apr **Station(s) Reviewed** **M7e, M7w**	18-Apr **Station(s) Reviewed** **M7e, M7w**	19-Apr **Station(s) Reviewed** **M7e, M7w**	20-Apr **Station(s) Reviewed** **M7e, M7w**	21-Apr **Station(s) Reviewed** **M7e, M7w**	**22-Apr** **Station(s) Reviewed** **M1a**	**23-Apr** **Station(s) Reviewed** **M1a**
24-Apr **Station(s) Reviewed** **M1a**	**25-Apr** **Station(s) Reviewed** **M1a**	26-Apr **Station(s) Reviewed** **M1a, M5b**	27-Apr **Station(s) Reviewed** **M1a, M5b**	28-Apr **Station(s) Reviewed** **M1a, M5b**	29-Apr **Station(s) Reviewed** **M5b**	30-Apr **Station(s) Reviewed** **M5b**
01-May **Station(s) Reviewed** **M5b**	**02-May** **Station(s) Reviewed** **M5b**	03-May **Station(s) Reviewed** **M5b**	04-May **Station(s) Reviewed** **M5b**	05-May **Station(s) Reviewed** **M5b**	06-May **Station(s) Reviewed** **M5b**	07-May **Station(s) Reviewed** **M5b**
08-May **Station(s) Reviewed** **M5b**	09-May **Station(s) Reviewed** **M5b**	**10-May** **Station(s) Reviewed** **M5b**	11-May **Station(s) Reviewed** **M5b**	12-May **Station(s) Reviewed** **M4b**	13-May **Station(s) Reviewed** **M4b**	14-May **Station(s) Reviewed** **M4b**
15-May **Station(s) Reviewed** **M4b**	16-May **Station(s) Reviewed** **M4b**	17-May **Station(s) Reviewed** **M4b**	18-May **Station(s) Reviewed** **M4b**	19-May **Station(s) Reviewed** **M4b**	20-May **Station(s) Reviewed** **M4b**	21-May **Station(s) Reviewed** **M4b**
22-May **Station(s) Reviewed** **M4b**	23-May **Station(s) Reviewed** **M4b**	24-May **Station(s) Reviewed** **M4b**	25-May **Station(s) Reviewed** **M4b**	26-May **Station(s) Reviewed** **M2b, M3a**	27-May **Station(s) Reviewed** **M2b, M3a**	28-May **Station(s) Reviewed** **M2b, M3a**
29-May **Station(s) Reviewed** **M2b, M3a**	30-May **Station(s) Reviewed** **M2b, M3a**	31-May **Station(s) Reviewed** **M2b, M3a**	01-Jun **Station(s) Reviewed** **M2b, M3a**	02-Jun **Station(s) Reviewed** **M2b, M3a**	03-Jun **Station(s) Reviewed** **M2b, M3a**	04-Jun **Station(s) Reviewed** **M2b, M3a**
05-Jun **Station(s) Reviewed** **M2b, M3a**	**06-Jun** **Station(s) Reviewed** **M2b, M3a**	07-Jun **Station(s) Reviewed** **M2b, M3a**	08-Jun **Station(s) Reviewed** **M2b, M3a**	09-Jun	10-Jun	11-Jun