Barbican Construction Co. Ltd.

DSD Contract No. DC/2000/19

Regulation of Shenzhen River Stage III Phase I Reprovisioning of Border Road and Fence at Yuen Leng Chai and Man Kam To

Baseline Monitoring Report

September 2002

Verified By

(Environmental Team Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

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EXECUTIVE SUMMARY

This baseline environmental monitoring is prepared by Cinotech Consultants Ltd. for the project of "Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To". This report presents the baseline dust and noise monitoring works performed between 13 August and 30 August 2002.

Air Quality

The baseline 1-hour and 24-hour TSP (Total Suspended Particulates) monitoring was conducted according to the EM&A Manual at two locations (BM1A and BM2) between 16 August and 29 August 2002 for 14 consecutive days. The monitoring schedule is provided in Appendix D of the report.

For 1-hour TSP monitoring, measurements were taken three times (at three consecutive hours) per day while the highest dust impact was expected.

Data collected was reviewed and analysed to act as a reference to justify the validity when the exceedance of TAL level occurred during impact/compliance monitoring throughout construction. Details of the methodology, locations and results are presented in the report.

During the baseline monitoring period, three exceedance of 1-hr TSP limit level at Location BM1A were occurred on 16, 17 and 20 August 2002 at about 9:00 to 10:00 (1-hr TSP level were 695.8 $\mu g/m^3$, 509.7 $\mu g/m^3$ and 642.8 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Site formation on Shenzhen side; and
- Open burning of dry leaves and wood inside the nearby village house.

The exceedance 695.8 $\mu g/m^3$ was ignored in calculating the average TSP concentration for monitoring station BM1A in Table 2.5 and Appendices A4 and A5. It is because open burning was observed in the nearby village house during monitoring which was not considered as a general background condition.

The major dust sources at designated station – BM2 during the baseline monitoring period were mainly heavy smog (Lo Wu and Shenzhen region) and vehicle dust.

During the baseline monitoring period, high concentration of 1-hr TSP limit level at Location BM2 were measured on 16, 17 and 28 August 2002 at about 8:00 to 9:00 (1-hr TSP level were 492.3 $\mu g/m^3$, 436.5 $\mu g/m^3$ and 480.4 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Heavy smog in Lo Wu and Shenzhen region; and
- Vehicle dust.

Noise monitoring at BM1N and BM2 were not conducted on 18 – 19 August 2002 due to rain. These sessions have been rescheduled to a later date. The data obtained from the baseline noise monitoring was processed according to the following three periods:

- Daytime: 0700-1900 hrs on normal weekdays
- Evening-time: 1900-2300 hrs on all days &
  Holiday: 0700-1900 hrs on holidays
- Night-time: 2300-0700 of next day

Monitoring Data collected was reviewed and analysed. Monitoring was conducted in accordance with the methodology in the EM&A Manual. Details of the locations and results are presented in this report.

1. INTRODUCTION

Background

1.1 The works under "Shenzhen River Regulation Project Stage III Phase I – Re-provisioning of Border Road and Fence at Yuen Leng Chai and Man Kam To" (hereinafter called the "Project") under Contract No. DC/2000/19 was awarded to the Barbican Construction Co., Ltd. (hereinafter called the "Contractor") by the Drainage Services Department (DSD) of the Hong Kong Special Administration Region (HKSAR) in July 2002.

1.2 The proposed construction works site as shown in Figure 1 comprises the following main activities:

- Re-provisioning of border road and border fence;
- Re-construction and re-surfacing of existing border road;
- Ancillary road and drainage works; and
- Landscaping works.

1.3 Cinotech Consultants Limited (Cinotech) was commissioned by Barbican Construction Co., Ltd. (hereinafter called the "Contractor") to undertake the Environmental Team Services for the Project. Prior to the commencement of the construction activities, baseline monitoring of air and noise levels for the captioned works was required in accordance with the EM&A Manual. Cinotech performed the baseline air quality and noise environmental monitoring in August 2002.

Purpose of the Report

1.4 The purpose of this Environmental Monitoring Baseline Report is to set out baseline levels for the air quality and noise in accordance with the EM&A Manual. These baseline levels will be used as the reference for the impact and compliance monitoring during construction. This report presents the monitoring locations, equipment, period, methodology, results and observations for the water quality, air and noise measurements during the baseline period.

Structure of the Baseline Monitoring Report

1.5 The structure of the report is as follows:

Section 1: Introduction, purpose, background and the structure of the report.
Section 2: Air Quality, which describes the baseline air monitoring.
Section 3: Noise, which describes the baseline noise monitoring.
Section 4: Conclusions

2. AIR QUALITY

Monitoring Requirements

4.1 In accordance with the EM&A Manual, baseline air quality monitoring should be conducted for a period of fourteen days, in terms of 1-hour and 24-hour TSP, at designated monitoring stations. The 24-hour TSP should be monitored once everyday and the sampling of 1-hour TSP should be carried out three times (at three consecutive hours) per day for 14 consecutive days at the 2 designated stations.

Monitoring Equipment

4.2 Continuous 24-hour TSP and 1-hour TSP air quality monitoring was performed using Graseby GMW Model GS2310 High Volume Sampler (HVS). The HVS with associated equipment and shelter complied with the specifications stipulated in the EM&A Manual. Table 2.1 summarizes the equipments used in the baseline air quality monitoring program.

Table 2.1 Air Quality Monitoring Equipment

Equipment	Model and Make	Qty.
HVS Sampler	Graseby GMW Model GS2310 High Volume TSP Sampler and associated equipment and shelter in accordance with the USA standard Title 40, code of Federal regulations, Chapter 1 (part 50), Appendix B	4
Calibrator	GMW 25	1

Monitoring Parameters, Frequency and Duration

4.3 Table 2.2 summarizes the monitoring parameters, monitoring period and frequencies of baseline air quality monitoring.

Table 2.2 Frequency and Parameters of Air Quality Monitoring

Monitoring Stations	Parameter	Period	Frequency
BM1A and BM2	24-hour TSP	24 hours	Daily
	1-hour TSP	0700-1900	3 times/day

Monitoring Locations

4.4 Table 2.3 describes the locations of the monitoring stations and their locations are shown in Figure 2.

Table 2.3 Air Quality Monitoring Locations

Monitoring Stations	Description
BM1A	A village house near Lo Wu KCRC Station
BM2	Muk Wu Pumping Station

Monitoring Methodology and QA/QC Procedure

4.5 Weather data was recorded during the baseline period. The mean air temperature and the mean relative humidity data was obtained from the Hong Kong Observatory Webpage. The weather conditions (i.e. sunny, cloudy or rainy) were recorded by the field staff's observation on the monitoring day.

24-hour TSP Monitoring

Instrumentation

4.6 High volume (HVS) samplers (Model GS-2310) completed with appropriate sampling inlets was employed for 24-hour TSP. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Pert 50).

Operating/Analytical Procedures

4.7 Operating/analytical procedures for the operation of HVS were as follows:

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

4.8 Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 1.1 m^3/min. and 1.4 m^3/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.

4.9 For TSP sampling, fiberglass filters (G810) were used [Note: these filters have a collection efficiency of > 99% for particles of 0.3 mm diameter].

4.10 The power supply was checked to ensure the sampler worked properly.

4.11 On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air quality monitoring station.

4.12 The filter holding frame was then removed by loosening the four nuts and carefully a weighted and conditioned filter was centered with the stamped number upwards, on a supporting screen.

4.13 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.

4.14 The shelter lid was closed and secured with the aluminum strip.

4.15 The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).

4.16 After sampling, the filter was removed and sent to the laboratory for weighing. The elapsed time was also recorded.

4.17 Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%.

Maintenance/Calibration

4.18 The following maintenance/calibration was required for the HVS:

- The high volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.

- High volume samplers were calibrated at 3-month intervals using GMW-25 Calibration Kit throughout all stages of the air quality monitoring.

1-hour TSP Monitoring

Instrumentation

4.19 High volume (HVS) samplers (Model GS-2310) completed with appropriate sampling inlets will be employed for 1-hour TSP. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Pert 50).

Measuring Procedures

4.20 The measuring procedures of the 1-hour air quality monitoring was the same as the continuous 24-hour monitoring procedures but with monitoring duration 1 hour instead of 24 hours.

4.21 The 1-hour HVS was located at least 2 meters apart from the 24-hour HVS.

Maintenance/Calibration

4.22 The maintenance/calibration for the 1-hour HVS was the same as the 24-hour HVS.

Results and Observations

Results

4.23 Baseline air quality monitoring was conducted at two locations namely BM1A and BM2 between 16 and 29 August 2002. The monitoring data are summarized in Tables 2.4 and 2.5. The detailed monitoring data of 24-hour and 1-hour TSP are presented in Appendices A2 and A4 respectively. Graphical presentations of the 24-hour TSP and 1-hour TSP results are shown in Appendices A3 and A5 respectively. Detailed weather conditions at the monitoring location during the baseline monitoring period are shown in Appendix C.

Table 2.4 Summary of 24-hour TSP Monitoring Results

Monitoring Stations	Average TSP Concentration, $\mu g/m^3$ (Range)
BM1A	89.7 (25.2 – 190.2)
BM2	86.2 (19.4 – 208.7)

Table 2.5 Summary of 1-hour TSP Monitoring Results

Monitoring Stations	Average TSP Concentration, $\mu g/m^3$ (Range)
BM1A	190.8 (14.6 – 695.8)
BM2	157 (12.7 – 492.3)

Observations

2.24 The weather was generally sunny or cloudy during the monitoring periods. Rainy days were recorded on 18 and 19 August 2002.

2.25 The major dust sources at designated station - BM1A during the baseline monitoring period were mainly heavy smog (Lo Wu and Shenzhen region) and the construction activities on Shenzhen side.

2.26 During the baseline monitoring period, three exceedance of 1-hr TSP limit level at Location BM1A were occurred on 16, 17 and 20 August 2002 at about 9:00 to 10:00 (1-hr TSP level were 695.8 $\mu g/m^3$, 509.7 $\mu g/m^3$ and 642.8 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Site formation on Shenzhen side; and
- Open burning of dry leaves and wood inside the nearby village house.

The exceedance 695.8 $\mu g/m^3$ was ignored in calculating the average TSP concentration for monitoring station BM1A in Table 2.5 and Appendices A4 and A5. It is because open burning was observed in the nearby village house during monitoring which was not considered as a general background condition.

2.27 The major dust sources at designated station – BM2 during the baseline monitoring period were mainly heavy smog (Lo Wu and Shenzhen region) and vehicle dust.

2.28 During the baseline monitoring period, high concentration of 1-hr TSP limit level at Location BM2 were measured on 16, 17 and 28 August 2002 at about 8:00 to 9:00 (1-hr TSP level were 492.3 $\mu g/m^3$, 436.5 $\mu g/m^3$ and 480.4 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Heavy smog in Lo Wu and Shenzhen region; and
- Vehicle dust.

Table 2.6 TAL Levels for Air Quality

Parameters	Trigger	Action	Limit
24 hour TSP Level in $\mu g/m^3$	200	230	260
1 hour TSP Level in $\mu g/m^3$	-	-	500

3. NOISE

Monitoring Requirements

3.1 Baseline noise monitoring was conducted continuously for a period of fourteen days at two designated stations according to the EM&A Manual. Logger function check and calibration was carried out according to manufacturer's recommendations. The equipment was checked and inspected not less than once every two days after set up at each monitoring station.

Monitoring Equipment

3.2 Integrating Sound Level Meters was used for noise monitoring. The meters are Type 1 sound level meters capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (L_x) and also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Table 3.1 summarizes the noise monitoring equipment model being used.

Table 3.1 Noise Monitoring Equipment

Equipment	Model and Make	Qty.
Integrating Sound Level Meter	B&K Model 2238	2
Calibrator	B&K 4231	1
Wind Speed Anemometer	Extech-Van Anemometer Model 451104	1

Monitoring Parameters, Frequency and Duration

3.3 Baseline noise for the A-weighted levels L_{eq}, L_{10} and L_{90} was recorded at 5 minutes intervals. Data obtained from the baseline noise monitoring was processed and presented according to the following three periods:

- Daytime: 0700-1900 hrs on normal weekdays
- Evening time on all days (1900-2300 hrs) & General holidays (including Sundays) during the daytime and evening (0700-2300 hrs)
- Night-time: 2300-0700 hrs of next days

3.4 The frequency and parameters of noise measurement are present in Table 3.2.

Table 3.2 Frequency and Parameters of Noise Monitoring

Time Period	Model and Make	Qty.
Daytime on normal weekdays (0700-1900 hrs)	30 (average of 6 consecutive L_{eq}(5min))	L_{eq}, L_{90} & L_{10}
Evening time on all days (1900-2300 hrs) & General holidays (including Sundays) during daytime and evening (0700-2300 hrs)	5	
All days during the night-time (2300-0700 hrs)		

Monitoring Locations

3.5 Table 3.3 describes the locations of the monitoring stations and their locations are shown in Figure 1.

Table 3.3 Noise Monitoring Locations

Monitoring Stations	Description
BM1N	Lo Wu Public School
BM2	Muk Wu Pumping Station

Monitoring Methodology and QA/QC Procedures

3.6 Weather data was recorded during the baseline period. The mean air temperature and the mean relative humidity data was obtained from the Hong Kong Observatory Webpage. Wind speed was measured by the field staff using a hand held wind meter during the noise monitoring; and the weather conditions (i.e. sunny, cloudy or rainy) were recorded by the field staff's observation on the monitoring day.

Field monitoring

3.7 The monitoring procedures are as follows:

- For façade measurement, the microphone head of the head level meter was positioned 1m exterior of the Noise Sensitive Receivers and lowered sufficiently so that the building's external wall acts as a reflecting surface. The noise meter was also set as a position 1.2 m above the ground.

- The battery condition was checked to ensure good functioning of the meter.

- Parameters such as frequency weighting, the time weighting and the measurement time was set as follows:

  - frequency weighting :A
  - time weighting :Fast
  - time measurement :5 minutes

- Prior to and after each noise measurement, the meter was calibrated using the calibrator for 94 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1 dB(A), the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.

- The wind speed was frequently checked with the portable wind meter.

- Noise monitoring was carried out continuously for 24 hours during the 14 days baseline monitoring period. Monitoring data was recorded and stored automatically within the sound level meter system. At the end of the monitoring period, all the L_{eq}, L_{90} and L_{10} was recorded. In addition, site conditions and noise sources were recorded when the equipment were checked and inspected every two days.

- All the monitoring data within the sound level meter system was downloaded through the computer software, and all these data was checked and reviewed within the computer.

- Noise monitoring was cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10m/s.

Maintenance and Calibration

3.8 Maintenance and Calibration procedures were as follows:

- The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.

- The meter and calibrator were sent to a HOKLAS laboratory to check and calibrate at yearly intervals.

Results and Observations

Results

3.9 Baseline noise monitoring at location BM1N was conducted between 13 and 28 August 2002. Baseline noise monitoring at location BM2 was conduct between 15 and 30 August 2002. Noise monitoring at BM1N and BM2 were not conducted on 18 and 19 August 2002 due to rain. All detailed baseline noise monitoring data at the two locations are given in Appendices B2 – B5. Graphical presentations of baseline noise monitoring at the two locations are provided in Appendix B6. Detailed weather condition at the monitoring locations during the baseline monitoring period is shown in Appendix C.

Table 3.4 Summary of Day-Time Noise Monitoring Results

Daytime 0700-1900 hrs on normal weekdays	Range of Noise Level, dB(A)					
	L_{eq}(30min)		L_{10}(30min)		L_{90}(30min)	
	Max	Min	Max	Min	Max	Min
BM1N	60.8	51.4	63.8	52.1	56.6	49.6
BM2	67.1	48.9	69.4	50.3	66.4	47.5

Table 3.5 Summary of Evening-Time and Holidays Noise Monitoring Results

Evening-time 1900-2300 hrs on all days & Holidays 0700-2300	Range of Noise Level, dB(A)					
	L_{eq}(5min)		L_{10}(5min)		L_{90}(5min)	
	Max	Min	Max	Min	Max	Min
BM1N	65.0	51.1	70.0	51.5	57.0	50.0
BM2	66.5	50.3	69.4	51.0	66.2	49.0

Table 3.6 Summary of Night-Time Noise Monitoring Results

Night-time 2300-0700 hrs of the next day	Range of Noise Level, dB(A)					
	L_{eq}(5min)		L_{10}(5min)		L_{90}(5min)	
	Max	Min	Max	Min	Max	Min
BM1N	61.1	47.8	63.5	48.5	60.1	46.5
BM2	66.7	50.1	69.4	50.6	66.3	48.8

Observations

3.10 The weather condition during the monitoring period was generally sunny or cloudy. Rainy days were recorded on 18 and 19 August 2002. Monitoring on these days has been rescheduled to a later date. All the monitoring was conducted with the wind speed below 5m/s.

3.11 During the noise baseline monitoring period, the major noise source at the designated station – BM1N include:

- Site formation on the Shenzhen side; and

3.12 During the noise baseline monitoring period, the major noise source at the designated station – BM2 include:

- Surface runoff discharged into Shenzhen River by the nearby open channel (Occurred on 28 August 2002 at 10:00 and 22 August 2002 at 16:00, the noise level (Leq) were around 65 dB(A)).

Trigger, Action and Limit (TAL) Levels

3.13 The Trigger, Action and Limit Levels (TAL Levels) were established in accordance with the EM&A Manual. Table 3.7 presents the TAL levels for construction noise.

Table 3.7 TAL Levels for Noise during Construction Period

Trigger Level	Action Level		Limit Level
Receipt of any complaint on noise during construction 1900-0700	0700-1900 hrs on normal weekdays	One or more complaint(s) received in one week	Two consecutive monitoring data exceed 75 dB(A) at one location*
	1900-2300 hrs on holidays & 0700-2300 hrs on all other days		Two consecutive monitoring data exceed 70 dB(A) at one location
	2300-0700 hrs of next day		Two consecutive monitoring data exceed 55 dB(A) at one location

* Note: If there are schools near the construction sites, monitoring should be carried out during school examination period, besides, the limit level (daytime) should be lowered to 70 dB(A) during non-exam period, and to 65 dB(A) during examination period.

4. CONCLUSIONS

4.1 The baseline dust monitoring was conducted between 16 and 29 August 2002. The baseline noise level monitoring was conducted between 13 and 30 August 2002. The monitoring results were used to act as a reference to justify the validity when the exceedance of TAL level occurred during impact/compliance monitoring throughout construction.

4.2 For air quality monitoring, 24-hour TSP and 1-hour TSP monitoring at BM1A and BM2 was performed daily for 14 consecutive days. For 1-hour TSP monitoring, measurements were taken three times (at three consecutive hours) per day while the highest dust impact was expected.

4.3 The major dust sources at designated station - BM1A during the baseline monitoring period were mainly heavy smog (Lo Wu and Shenzhen region) and the construction activities on Shenzhen side.

4.4 During the baseline monitoring period, three exceedance of 1-hr TSP limit level at Location BM1A were occurred on 16, 17 and 20 August 2002 at about 9:00 to 10:00 (1-hr TSP level were 695.8 $\mu g/m^3$, 509.7 $\mu g/m^3$ and 642.8 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Site formation on Shenzhen side; and
- Open burning of dry leaves and wood inside the nearby village house.

The exceedance 695.8 $\mu g/m^3$ was ignored in calculating the average TSP concentration for monitoring station BM1A in Table 2.5 and Appendices A4 and A5. It is because open burning was observed in the nearby village house during monitoring which was not considered as a general background condition.

4.5 The major dust sources at designated station – BM2 during the baseline monitoring period were mainly heavy smog (Lo Wu and Shenzhen region) and vehicle dust.

4.6 During the baseline monitoring period, high concentration of 1-hr TSP limit level at Location BM2 were measured on 16, 17 and 28 August 2002 at about 8:00 to 9:00 (1-hr TSP level were 492.3 $\mu g/m^3$, 436.5 $\mu g/m^3$ and 480.4 $\mu g/m^3$ respectively). The main reasons for the exceedance of the limit level included:

- Heavy smog in Lo Wu and Shenzhen region; and
- Vehicle dust.

4.7 For noise, monitoring at BM1N and BM2 was not conducted on 18 and 19 August 2002 due to the rain. Baseline monitoring on these days have been rescheduled to a later date.

4.8 During the noise baseline monitoring period, the major noise source at the designated station – BM1N included:

- Surface runoff discharged into Shenzhen River by the nearby open channel (Occurred on 28 August 2002 at 10:00 and 22 August 2002 at 16:00, the noise level (Leq) were around 65 dB(A)).

4.10 The results obtained from the baseline monitoring are considered representative of pre-construction ambient conditions.

FIGURES

Title

DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I
Baseline Monitoring Report

Layout Plan of the Project Site

Scale	N.T.S	Project No.	MA2020
Date	Sept 02	Figure	1

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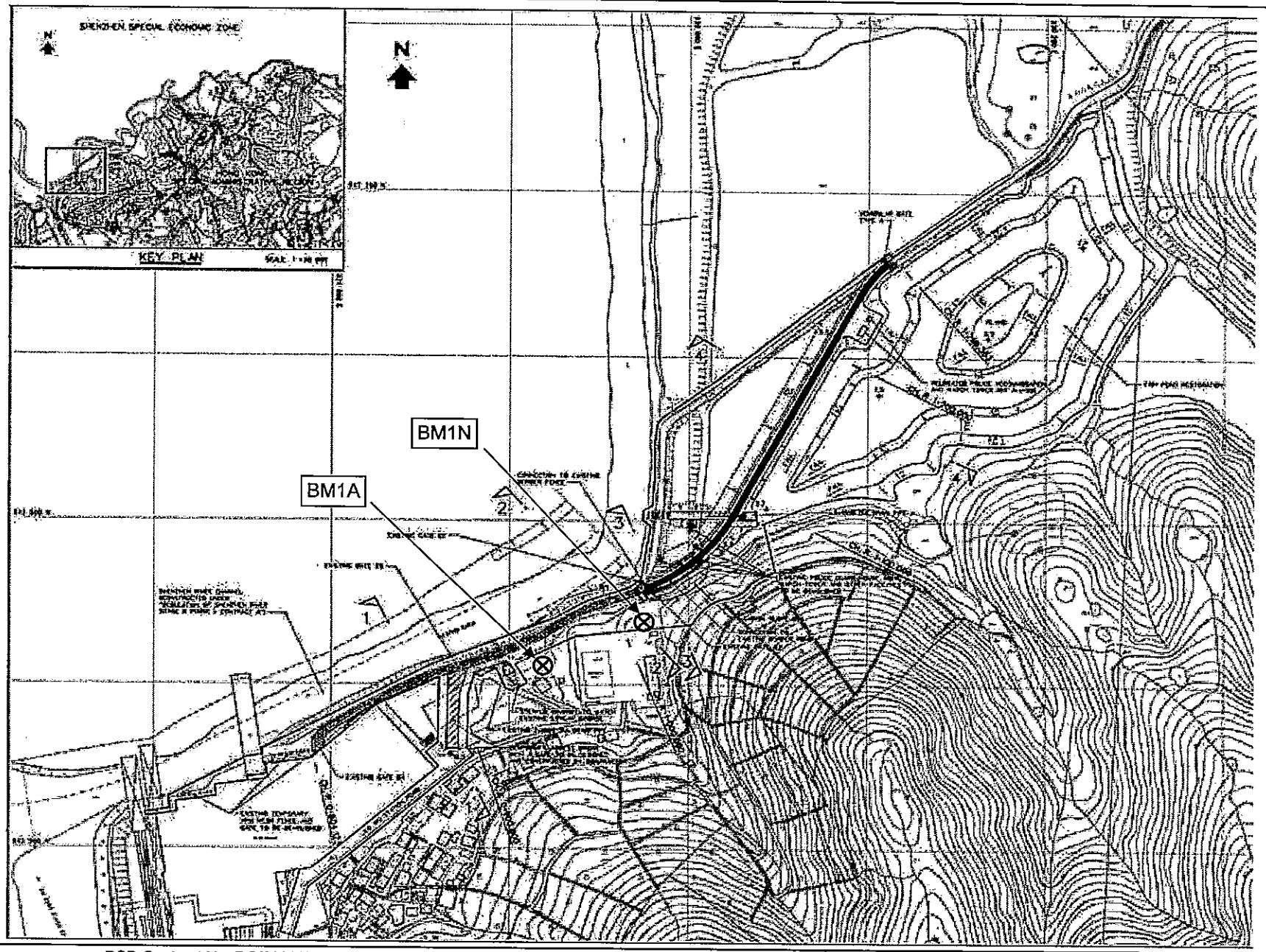

Title

DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I
Baseline Monitoring Report

Locations of Monitoring Stations

Scale	N.T.S	Project No.	MA2020
Date	Sept 02	Figure	2a

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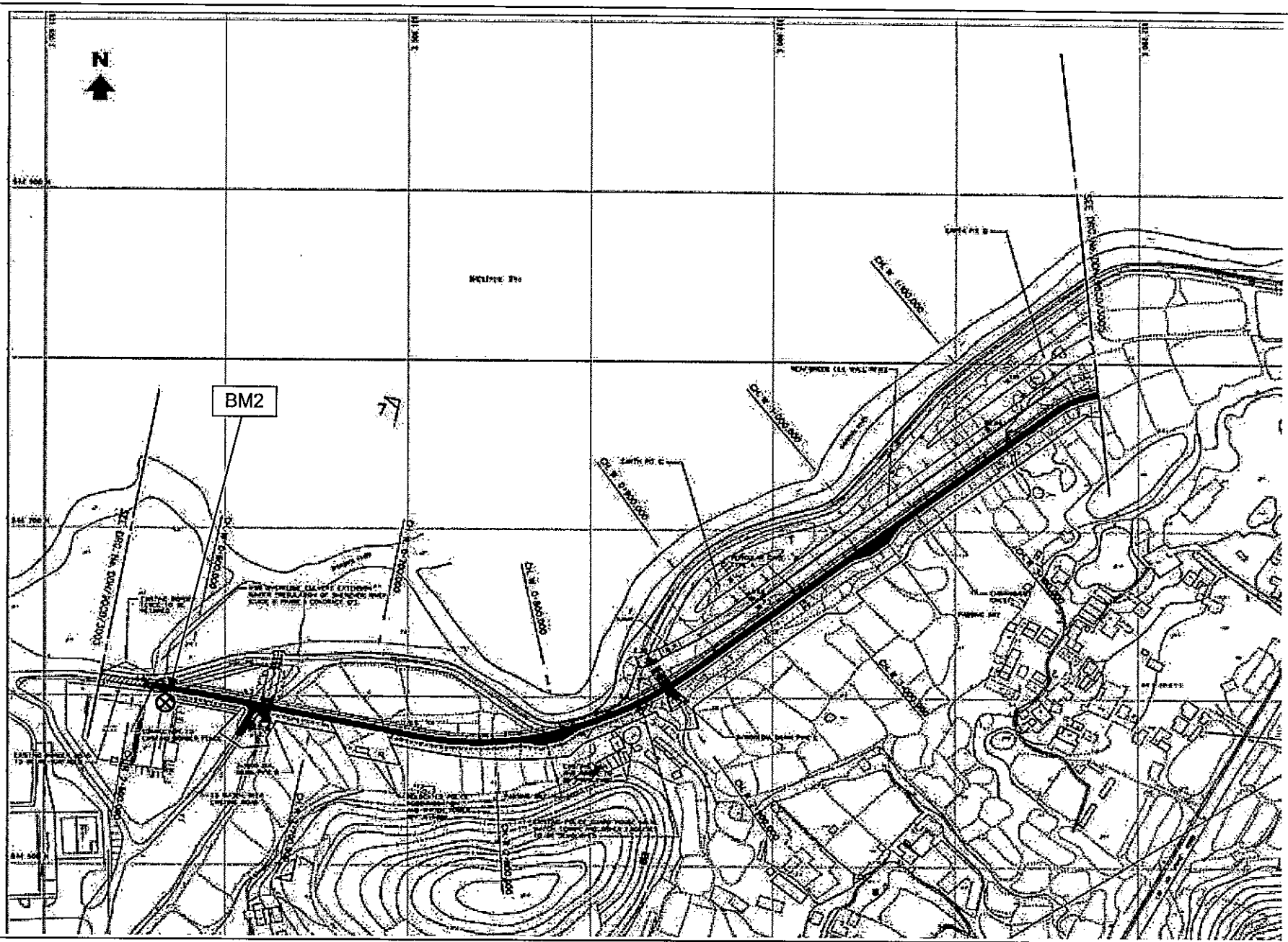

Title	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I Monitoring Report	Baseline	Scale N.T.S	Project No. MA2020
	Locations of Monitoring Stations		Date Sept 02	Figure 2b

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APPENDIX A1
CALIBRATION CERTIFICATES FOR AIR MONITORING EQUIPMENT

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA2020/01/0001

Station: Village House (BM1A) | Operator: KS
Date: 15-Aug-02 | Next Due Date: 14-Oct-02
Equipment No.: A-01-01 | Serial No. 7019

Ambient Condition			
Temperature, Ta (K)	307	Pressure, Pa (mmHg)	754.73

Orifice Transfer Standard Information					
Equipment No.:	A-04-01	Slope, mc	0.0583	Intercept, bc	-0.0314
Last Calibration Date:	19-Apr-02	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	18-Apr-03	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	3.0	1.70	29.71	1.3	1.12
2	5.8	2.36	41.10	2.6	1.58
3	8.9	2.93	50.78	4.1	1.99
4	10.8	3.23	55.88	4.7	2.13
5	13.4	3.59	62.19	5.9	2.38

By Linear Regression of Y on X

Slope , mw = 0.0388 **Intercept, bw =** -0.0203

Correlation coefficient* = 0.9989

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ **2.82**

Remarks:

Conducted by: K S CHAN Signature: Date: 16 Aug. 2002

Checked by: TIM YAU Signature: TIM Date: 16.8.02

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA2020/05/0001

Station: Village House (BM1A) | Operator: KS

Date: 15-Aug-02 | Next Due Date: 14-Oct-02

Equipment No.: A-01-05 | Serial No. 10599

Ambient Condition			
Temperature, Ta (K)	307	Pressure, Pa (mmHg)	754.73

Orifice Transfer Standard Information					
Equipment No.:	A-04-01	Slope, mc	0.0583	Intercept, bc	-0.0314
Last Calibration Date:	19-Apr-02	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	18-Apr-03	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ Y-axis
1	13.7	3.63	62.87	7.2	2.63
2	10.9	3.24	56.14	6.0	2.40
3	9.3	2.99	51.90	5.1	2.22
4	6.1	2.42	42.13	3.2	1.76
5	3.5	1.84	32.04	1.7	1.28

By Linear Regression of Y on X

Slope , mw = 0.0447 **Intercept, bw =** -0.1310

Correlation coefficient* = 0.9983

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ 3.32

Remarks:

Conducted by: K S CHAN Signature: Date: 16-Aug-02

Checked by: TIM CHU Signature: Date: 16-8-02

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA2020/03/0001

Station: Muk Wu Pumping Station (BM2) | Operator: KS
Date: 15-Aug-02 | Next Due Date: 14-Oct-02
Equipment No.: A-01-03 | Serial No. 10379

Ambient Condition			
Temperature, Ta (K)	307	Pressure, Pa (mmHg)	754.73

Orifice Transfer Standard Information					
Equipment No.:	A-04-01	Slope, mc	0.0583	Intercept, bc	-0.0314
Last Calibration Date:	19-Apr-02	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	18-Apr-03	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) **X - axis**	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ **Y-axis**
1	3.2	1.76	30.66	1.7	1.28
2	5.6	2.32	40.39	3.1	1.73
3	8.5	2.86	49.64	4.8	2.15
4	10.0	3.10	53.79	5.5	2.30
5	12.2	3.43	59.36	6.7	2.54

By Linear Regression of Y on X

Slope , mw = 0.0440 **Intercept, bw =** -0.0560

Correlation coefficient* = 0.9995

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ 3.49

Remarks:

Conducted by: KS CHAN Signature: [signature] Date: 16 Aug. 02

Checked by: TIM GAM Signature: TIM Date: 16-8-02

High-Volume TSP Sampler
5-POINT CALIBRATION DATA SHEET

CINOTECH

File No. MA2020/08/0001

Station: Muk Wu Pumping Station (BM2) Operator: KS

Date: 15-Aug-02 Next Due Date: 14-Oct-02

Equipment No.: A-01-08 Serial No. 1287

Ambient Condition			
Temperature, Ta (K)	307	Pressure, Pa (mmHg)	754.73

Orifice Transfer Standard Information					
Equipment No.:	A-04-01	Slope, mc	0.0583	Intercept, bc	-0.0314
Last Calibration Date:	19-Apr-02	$mc \times Qstd + bc = [\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$			
Next Calibration Date:	18-Apr-03	$Qstd = \{[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2} - bc\} / mc$			

Calibration of TSP Sampler

Calibration Point	Orfice			HVS	
	ΔH (orifice), in. of water	$[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$	Qstd (CFM) **X - axis**	ΔW (HVS), in. of oil	$[\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$ **Y-axis**
1	12.6	3.49	60.32	7.0	2.60
2	10.2	3.14	54.32	5.6	2.32
3	8.6	2.88	49.93	4.7	2.13
4	5.4	2.28	39.67	3.0	1.70
5	3.2	1.76	30.66	1.4	1.16

By Linear Regression of Y on X

Slope , mw = 0.0475 **Intercept, bw =** -0.2480

Correlation coefficient* = 0.9973

*If Correlation Coefficient < 0.990, check and recalibrate.

Set Point Calculation

From the TSP Field Calibration Curve, take Qstd = 43 CFM

From the Regression Equation, the "Y" value according to

$$mw \times Qstd + bw = [\Delta W \times (Pa/760) \times (298/Ta)]^{1/2}$$

Therefore, Set Point; $W = (mw \times Qstd + bw)^2 \times (760 / Pa) \times (Ta / 298) =$ 3.34

Remarks:

Conducted by: KS CHAN Signature: Date: 16 Aug. 02

Checked by: TIM CHU Signature: TIM Date: 16.8.02

Andersen Instruments, Inc.

Orifice Transfer Standard Certification Worksheet

Date: 04/19/2002 **Rootsmeter S/N:** 9736553 **Ta:** 21.00 C
Operator: M. RALLS **Calibrator S/N:** 1536 **Pa:** 749.8 mm Hg
Calibrator Model #: G25A **Placed in service:**

Run	Vol. Init. (m3)	Vol. Final (m3)	Δ Vol. (m3)	Δ Time (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1.00	2.00	1.00	1.425	3.18	2.00
2	3.00	4.00	1.00	1.001	6.35	4.00
3	5.00	6.00	1.00	0.898	7.85	5.00
4	7.00	8.00	1.00	0.861	8.41	5.50
5	9.00	10.00	1.00	0.710	11.40	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\,(Ta / Pa)}$ (y-axis)
0.996	0.699	1.414	0.996	0.699	0.886
0.992	0.991	2.000	0.992	0.991	1.253
0.990	1.102	2.236	0.990	1.102	1.401
0.989	1.148	2.345	0.989	1.148	1.469
0.985	1.387	2.828	0.985	1.387	1.772
	m =	2.0602		m =	1.2905
	b =	-0.030068		b =	-0.018834
	r =	0.999888		r =	0.999888

Calculations

$$Vstd = \Delta Vol((Pa - \Delta P) / Pstd)(Tstd / Ta)$$
$$Qstd = Vstd / \Delta Time$$

$$Va = \Delta Vol((Pa - \Delta P) / Pa)$$
$$Qa = Va / \Delta Time$$

For subsequent flow rate calculations:

$$Qstd = 1 / m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right) - b\right)$$

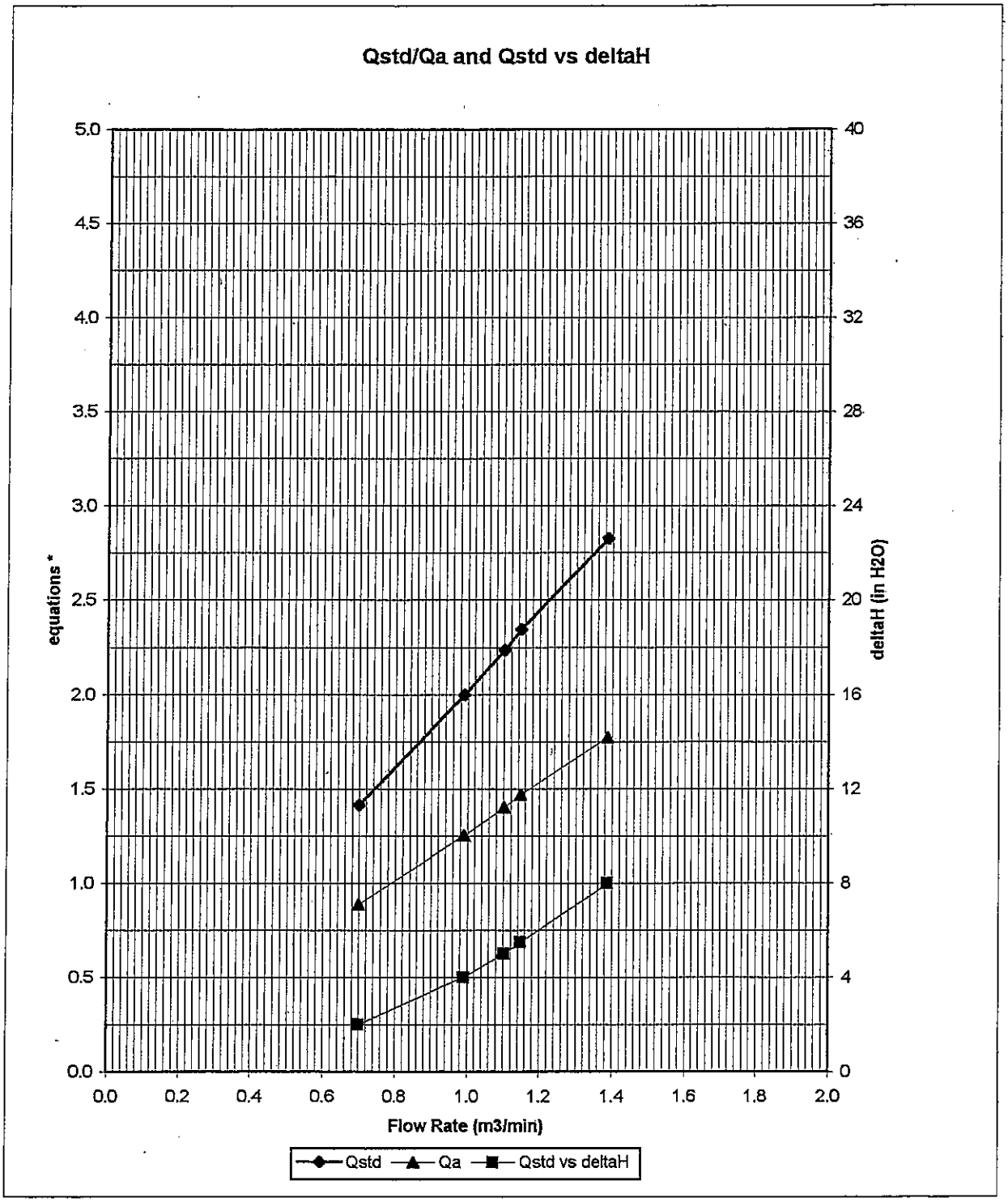
$$Qa = 1 / m\left(\left(\sqrt{\Delta H\,(Ta / Pa)}\right) - b\right)$$

Standard Conditions:
Tstd: 298.18 ° K
Pstd: 760 mm Hg

where:
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (° K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

For additional information consult:
1. The Federal Register, Vol. 47, No.234, pp. 54896-54921, Dec. 6, 1982
2. Quality Assurance Handbook, Vol II (EPA 60074-77-277a), Section 2.11
3. Andersen Instruments, Inc. Instruction Manual

Notes:
1. Copies of this calibration are not kept on file.
2. EPA recommends calibrators should be recalibrated after one year of use.



*** y-axis equations:**

Qstd series: $\sqrt{\Delta H \left(\frac{P a}{P std}\right)\left(\frac{T std}{T a}\right)}$

Qa series: $\sqrt{(\Delta H\ (T a\ /\ P a))}$

APPENDIX A2
24-HOUR TSP BASELINE MONITORING RESULTS

Appendix A-2 - 24-hour TSP Monitoring Results

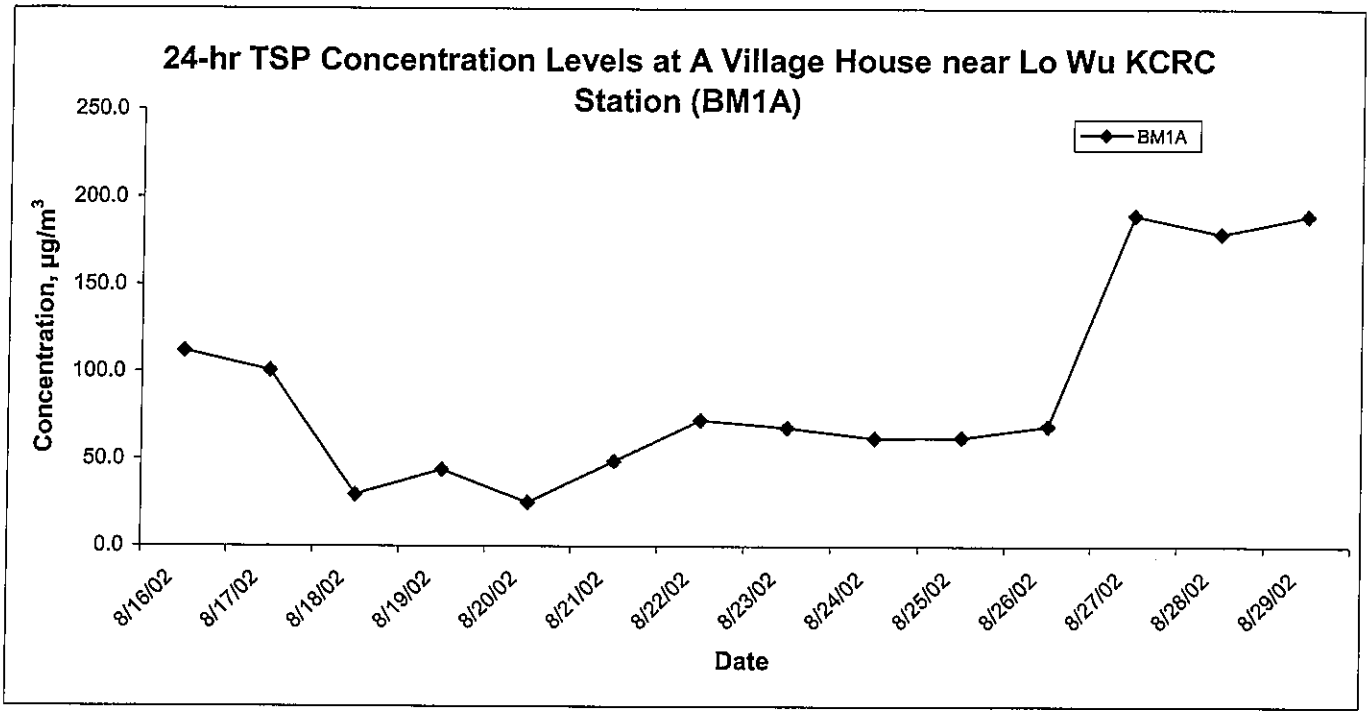
Location BM1A - A Village House near Lo Wu KCRC Station

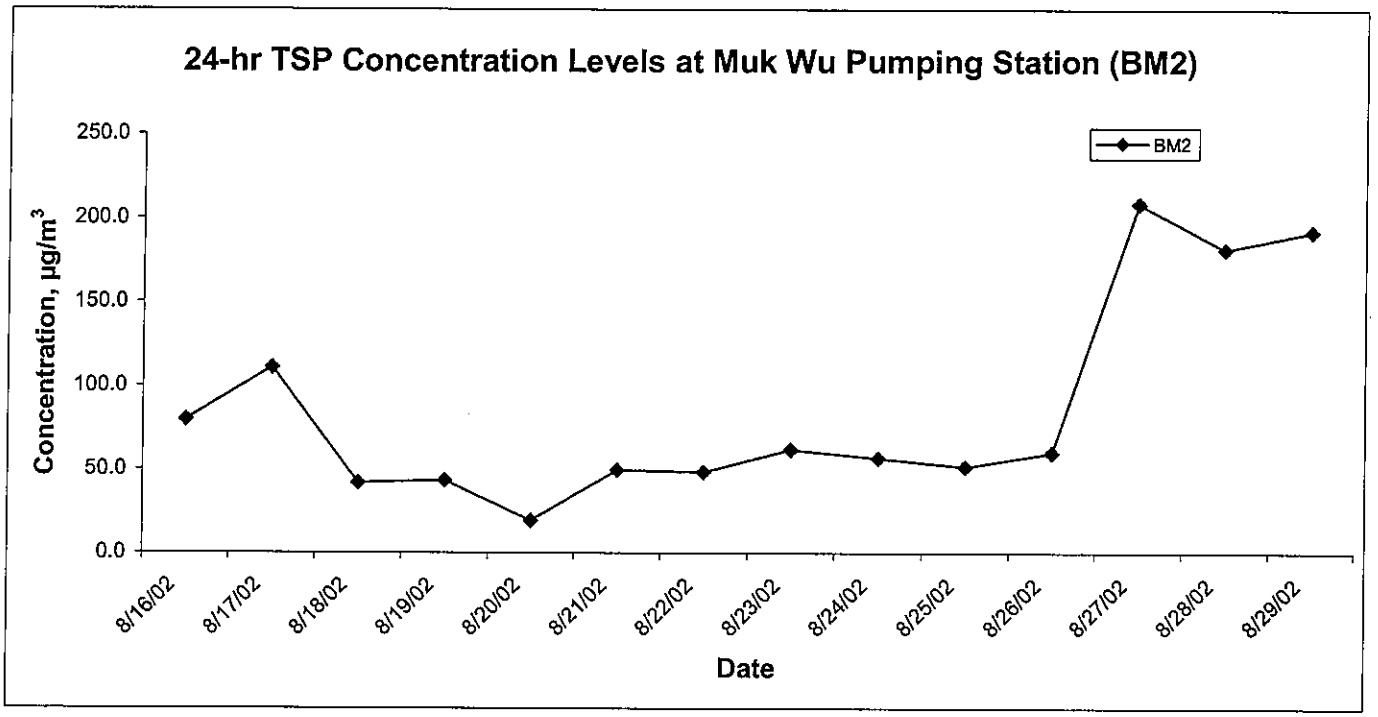
Date	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Sampling Time(hrs.)	Conc. ($\mu g/m^3$)	Weather Condition	Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)
	Initial	Final	Initial	Final	Initial	Final								
16-Aug-02	2.7689	2.9013	0.82	0.82	7384.3	7408.3	24.0	112.1	Cloudy	301.3	754.7	0.1324	0.82	1181.1
17-Aug-02	2.7793	2.8985	0.82	0.82	7408.3	7432.3	24.0	100.9	Cloudy	301.3	754.8	0.1192	0.82	1181.3
18-Aug-02	2.7899	2.8251	0.82	0.82	7432.3	7456.3	24.0	29.8	Rainy & Windy	300.7	754.9	0.0352	0.82	1182.5
19-Aug-02	2.8042	2.8563	0.82	0.82	7456.3	7480.3	24.0	44.0	Rainy	300.2	756.2	0.0521	0.82	1184.5
20-Aug-02	2.6402	2.6701	0.82	0.82	7480.3	7504.3	24.0	25.2	Cloudy	301.0	759.8	0.0299	0.82	1185.6
21-Aug-02	2.6360	2.6939	0.82	0.82	7504.3	7528.3	24.0	49.0	Sunny	303.3	761.5	0.0579	0.82	1182.6
22-Aug-02	2.6452	2.7312	0.82	0.82	7528.3	7552.3	24.0	72.5	Sunny	301.3	761.7	0.0860	0.82	1186.6
23-Aug-02	2.6398	2.7205	0.82	0.82	7552.3	7576.3	24.0	68.3	Sunny	304.0	761.5	0.0807	0.82	1181.1
24-Aug-02	2.6290	2.7024	0.82	0.82	7576.3	7600.3	24.0	62.2	Sunny	303.8	760.0	0.0734	0.82	1180.4
25-Aug-02	2.6673	2.7412	0.82	0.82	7600.3	7624.3	24.0	62.6	Sunny	303.7	758.6	0.0739	0.82	1179.6
26-Aug-02	2.6577	2.7394	0.82	0.82	7624.3	7648.3	24.0	69.2	Sunny	302.5	757.5	0.0817	0.82	1181.0
27-Aug-02	2.6587	2.8824	0.82	0.82	7648.3	7672.3	24.0	190.2	Sunny	305.3	758.2	0.2237	0.82	1176.2
28-Aug-02	2.6526	2.8642	0.82	0.82	7672.3	7696.3	24.0	179.5	Sunny	304.0	758.2	0.2116	0.82	1179.1
29-Aug-02	2.6567	2.8805	0.82	0.82	7696.3	7720.3	24.0	190.0	Sunny	304.8	758.6	0.2238	0.82	1178.0
							Min	25.2						
							Max	190.2						
							Average	89.7						

Location BM2 - Muk Wu Pumping Station

Date	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Sampling Time(hrs.)	Conc. ($\mu g/m^3$)	Weather Condition	Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)
	Initial	Final	Initial	Final	Initial	Final								
16-Aug-02	2.7773	2.8810	0.90	0.90	6323.3	6347.3	24.0	79.8	Cloudy	301.3	754.7	0.1037	0.90	1299.3
17-Aug-02	2.7805	2.9226	0.89	0.89	6347.3	6371.3	24.0	111.0	Cloudy	301.3	754.8	0.1421	0.89	1280.5
18-Aug-02	2.7898	2.8452	0.92	0.92	6371.3	6395.3	24.0	42.0	Rainy & Windy	300.7	754.9	0.0554	0.92	1319.5
19-Aug-02	2.7893	2.8450	0.89	0.89	6395.3	6419.3	24.0	43.4	Rainy	300.2	756.2	0.0557	0.89	1284.0
20-Aug-02	2.6584	2.6833	0.89	0.89	6419.3	6443.3	24.0	19.4	Cloudy	301.0	759.8	0.0249	0.89	1285.2
21-Aug-02	2.6510	2.7146	0.89	0.89	6443.3	6467.3	24.0	49.6	Sunny	303.3	761.5	0.0636	0.89	1281.9
22-Aug-02	2.6322	2.6945	0.89	0.89	6467.3	6491.3	24.0	48.4	Sunny	301.3	761.7	0.0623	0.89	1286.3
23-Aug-02	2.6417	2.7210	0.89	0.89	6491.3	6515.3	24.0	61.9	Sunny	304.0	761.5	0.0793	0.89	1280.4
24-Aug-02	2.6332	2.7060	0.89	0.89	6515.3	6539.3	24.0	56.9	Sunny	303.8	760.0	0.0728	0.89	1279.6
25-Aug-02	2.6468	2.7129	0.89	0.89	6539.3	6563.3	24.0	51.7	Sunny	303.7	758.6	0.0661	0.89	1278.7
26-Aug-02	2.6584	2.7353	0.89	0.89	6563.3	6587.3	24.0	60.1	Sunny	302.5	757.5	0.0769	0.89	1280.2
27-Aug-02	2.6560	2.9221	0.89	0.89	6587.3	6611.3	24.0	208.7	Sunny	305.3	758.2	0.2661	0.89	1275.1
28-Aug-02	2.6621	2.8941	0.89	0.89	6611.3	6635.3	24.0	181.5	Sunny	304.0	758.2	0.2320	0.89	1278.2
29-Aug-02	2.6465	2.8920	0.89	0.89	6635.3	6659.3	24.0	192.3	Sunny	304.8	758.6	0.2455	0.89	1277.0
							Min	19.4						
							Max	208.7						
							Average	86.2						

APPENDIX A3
GRAPHICAL PRESENTATION OF 24-HOUR TSP CONCENTRATION





Title		Scale	Project No.
DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To		N.T.S	MA2020
Graphical Presentation of 24-hour TSP Monitoring Results		Date: Sep 02	Appendix: A-3

CINOTECH

APPENDIX A4
1-HOUR TSP BASELINE MONITORING RESULTS

Appendix A-4 - 1-hour TSP Monitoring Results

Location BM1A - A Village House near Lo Wu KCRC Station

Date	Sampling Time	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Sampling Time(hrs.)	Conc. ($\mu g/m^3$)	Weather Condition	Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)
		Initial	Final	Initial	Final	Initial	Final								
16-Aug-02	8:00	2.7876	2.8136	0.89	0.89	3884.2	3885.1	1.0	497.9	Cloudy	302.0	754.8	0.0260	0.89	52.2
	9:05	2.7963	2.8160	0.89	0.89	3885.1	3886.1	1.0	366.2	Cloudy	302.4	754.8	0.0197	0.89	53.8
	10:10	2.7844	2.8214	0.89	0.89	3886.1	3887.1	1.0	695.8 *	Cloudy	303.3	754.8	0.0370	0.89	53.2
17-Aug-02	8:00	2.7821	2.8059	0.89	0.89	3887.1	3888.1	1.0	446.0	Sunny	301.2	754.6	0.0238	0.89	53.4
	9:05	2.7689	2.7922	0.89	0.89	3888.1	3889.1	1.0	437.3	Sunny	302.1	754.8	0.0233	0.89	53.3
	10:13	2.7831	2.8102	0.89	0.89	3889.1	3890.1	1.0	509.7	Sunny	303.4	754.8	0.0271	0.89	53.2
18-Aug-02	8:00	2.7957	2.8136	0.89	0.89	3890.2	3891.2	1.0	335.5	Rainy & Windy	301.4	754.9	0.0179	0.89	53.4
	9:05	2.8188	2.8310	0.89	0.89	3891.2	3892.2	1.0	228.3	Rainy & Windy	300.4	755.3	0.0122	0.89	53.5
	10:10	2.8068	2.8152	0.89	0.89	3892.2	3893.2	1.0	156.8	Rainy & Windy	299.2	755.4	0.0084	0.89	53.6
19-Aug-02	8:00	2.7856	2.7920	0.89	0.89	3893.2	3894.2	1.0	119.6	Rainy & Windy	299.2	753.9	0.0064	0.89	53.5
	9:35	2.8141	2.8239	0.89	0.88	3894.2	3895.2	1.0	183.2	Rainy & Windy	299.6	754.7	0.0098	0.88	53.5
	10:45	2.8052	2.8136	0.89	0.89	3895.2	3896.2	1.0	157.2	Rainy & Windy	300.2	769.7	0.0084	0.89	53.4
20-Aug-02	8:00	2.7859	2.7945	0.89	0.89	3896.2	3897.2	1.0	160.7	Rainy	300.1	757.0	0.0086	0.89	53.5
	9:00	2.6379	2.6723	0.89	0.89	3897.2	3898.2	1.0	642.8	Rainy	300.5	757.6	0.0344	0.89	53.5
	10:47	2.6307	2.6478	0.89	0.89	3898.2	3899.2	1.0	318.9	Rainy	299.6	756.3	0.0171	0.89	53.6
21-Aug-02	8:00	2.6340	2.6365	0.89	0.89	3899.2	3900.2	1.0	46.6	Cloudy	300.1	760.7	0.0025	0.89	53.7
	9:05	2.6554	2.6565	0.92	0.92	3582.7	3583.7	1.0	19.9	Cloudy	301.0	761.2	0.0011	0.92	55.2
	10:10	2.6614	2.6628	0.89	0.89	3901.2	3902.2	1.0	26.2	Cloudy	302.2	761.4	0.0014	0.89	53.5
22-Aug-02	8:00	2.6672	2.6701	0.91	0.91	3584.7	3585.7	1.0	53.1	Cloudy	299.0	761.5	0.0029	0.91	54.6
	9:07	2.6481	2.6518	0.92	0.92	3585.7	3586.7	1.0	67.0	Cloudy	301.3	761.8	0.0037	0.92	55.2
	10:15	2.6391	2.6407	0.92	0.92	3586.8	3587.7	1.0	29.1	Cloudy	303.0	761.9	0.0016	0.92	55.0
23-Aug-02	8:00	2.6433	2.6473	0.92	0.92	3587.7	3588.7	1.0	72.3	Sunny	299.5	761.5	0.0040	0.92	55.3
	9:05	2.6361	2.6410	0.89	0.89	3906.2	3907.2	1.0	91.4	Sunny	301.1	761.6	0.0049	0.89	53.6
	10:10	2.6452	2.6487	0.92	0.92	3589.7	3590.7	1.0	63.5	Sunny	302.4	761.8	0.0035	0.92	55.1
24-Aug-02	8:00	2.6605	2.6615	0.90	0.89	3908.2	3909.2	1.0	18.6	Sunny	299.3	761.3	0.0010	0.90	53.8
	9:00	2.6402	2.6420	0.89	0.89	3909.2	3910.2	1.0	33.6	Sunny	301.5	761.6	0.0018	0.89	53.6
	10:05	2.6208	2.6236	0.89	0.89	3910.2	3911.2	1.0	52.3	Sunny	302.5	811.6	0.0028	0.89	53.5
25-Aug-02	8:00	2.6157	2.6166	0.92	0.92	3593.7	3594.7	1.0	16.3	Sunny	299.4	760.0	0.0009	0.92	55.3
	9:05	2.6354	2.6406	0.89	0.89	3912.2	3913.2	1.0	97.2	Sunny	301.4	759.3	0.0052	0.89	53.5
	10:10	2.6546	2.6564	0.89	0.89	3913.2	3914.2	1.0	33.7	Sunny	302.6	758.6	0.0018	0.89	53.4
26-Aug-02	8:00	2.6666	2.6675	0.89	0.89	3914.2	3915.2	1.0	16.8	Sunny	301.6	758.6	0.0009	0.89	53.5
	9:10	2.6360	2.6368	0.89	0.89	3915.2	3916.2	1.0	15.0	Sunny	302.7	758.8	0.0008	0.89	53.4
	10:15	2.6490	2.6498	0.91	0.91	3916.2	3917.2	1.0	14.6	Sunny	303.6	758.8	0.0008	0.91	54.9
27-Aug-02	8:00	2.6709	2.6721	0.89	0.89	3917.2	3918.2	1.0	22.4	Sunny	300.4	758.2	0.0012	0.89	53.6
	9:17	2.6410	2.6434	0.89	0.89	3918.2	3919.2	1.0	45.0	Sunny	302.3	758.4	0.0024	0.89	53.4
	10:19	2.6435	2.6467	0.89	0.89	3919.2	3920.2	1.0	60.0	Sunny	303.3	758.4	0.0032	0.89	53.3
28-Aug-02	8:00	2.6649	2.6799	0.90	0.89	3920.2	3921.2	1.0	279.3	Sunny	299.0	759.1	0.0150	0.90	53.7
	9:20	2.6647	2.6848	0.89	0.89	3921.2	3922.2	1.0	376.5	Sunny	302.8	759.2	0.0201	0.89	53.4
	10:19	2.6582	2.6729	0.89	0.89	3922.2	3923.2	1.0	275.4	Sunny	302.6	759.1	0.0147	0.89	53.4
29-Aug-02	8:00	2.6455	2.6579	0.89	0.89	3923.2	3924.2	1.0	232.1	Sunny	302.1	759.0	0.0124	0.89	53.4
	9:10	2.6499	2.6653	0.89	0.89	3924.2	3925.2	1.0	288.8	Sunny	303.3	758.9	0.0154	0.89	53.3
	10:17	2.6604	2.6823	0.89	0.89	3925.2	3926.2	1.0	411.8	Sunny	304.8	758.6	0.0219	0.89	53.2
								Min	14.6						
								Max	642.8						
								Average	177.7						

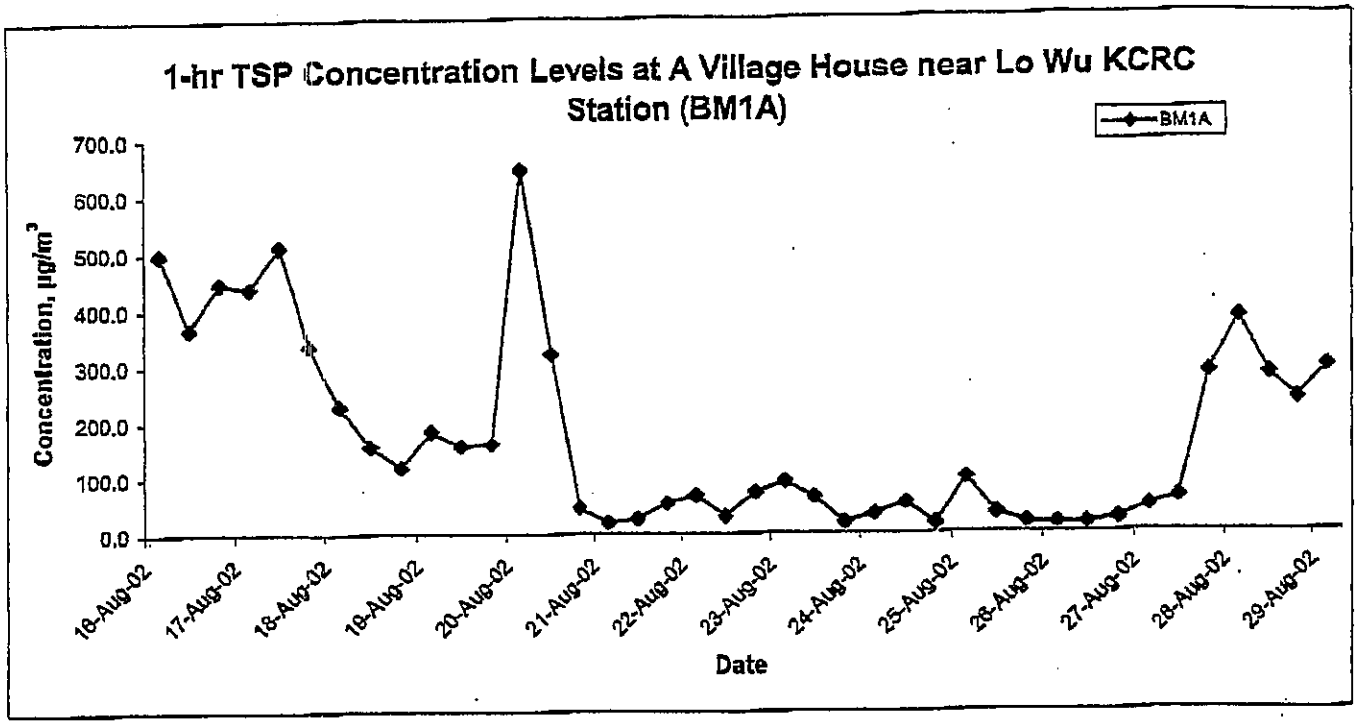
* Ignored in calculating the average TSP concentration

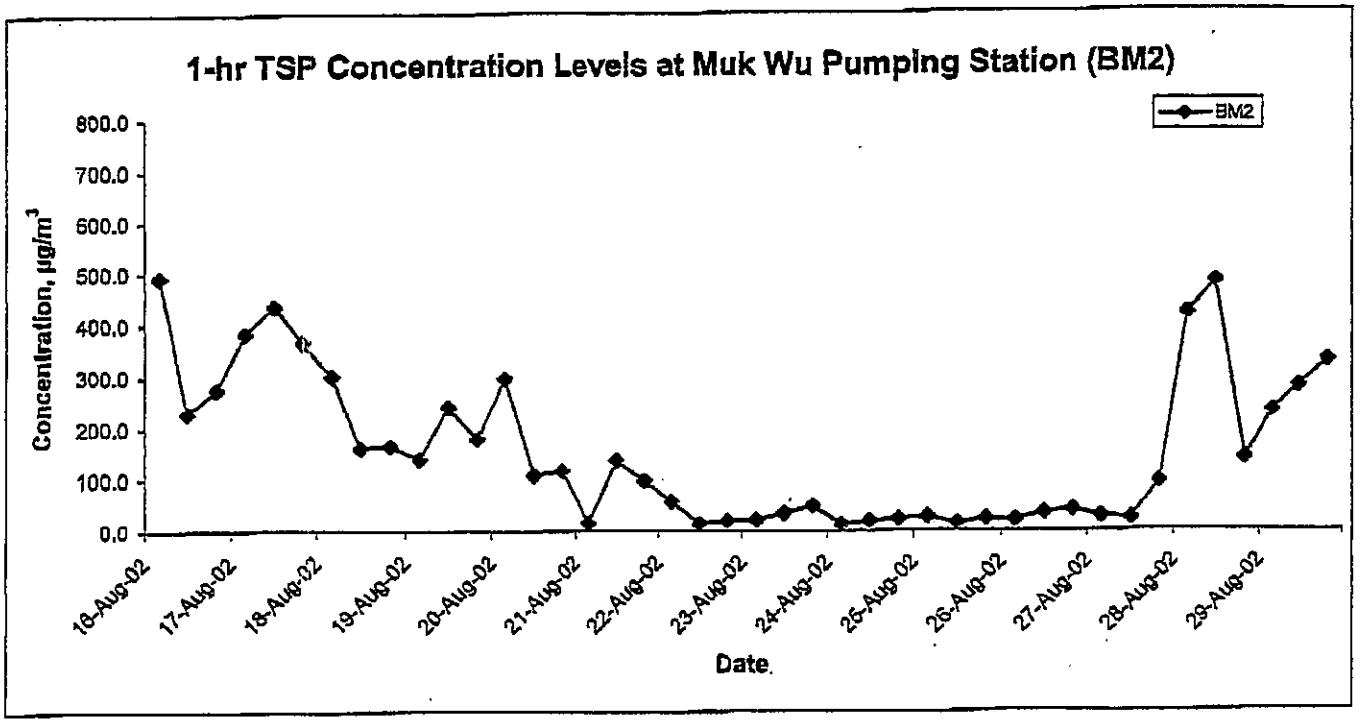
Appendix A-4 - 1-hour TSP Monitoring Results

Location BM2 - Muk Wu Pumping Station

Date	Sampling Time	Filter Weight (g)		Flow Rate (m^3/min.)		Elapse Time		Sampling Time(hrs.)	Conc. ($\mu g/m^3$)	Weather Condition	Air Temp. (K)	Atmospheric Pressure(Pa)	Particulate weight(g)	Av. flow (m^3/min)	Total vol. (m^3)
		Initial	Final	Initial	Final	Initial	Final								
16-Aug-02	8:00	2.7659	2.7929	0.91	0.91	3565.6	3566.6	1.0	492.3	Cloudy	302.0	754.8	0.0270	0.91	54.9
	9:15	2.8071	2.8197	0.91	0.91	3566.7	3567.7	1.0	229.8	Cloudy	302.4	754.8	0.0126	0.91	54.8
	10:16	2.8060	2.8211	0.91	0.91	3567.7	3568.7	1.0	275.8	Cloudy	303.3	754.8	0.0151	0.91	54.7
17-Aug-02	8:00	2.7824	2.8035	0.92	0.92	3568.7	3569.7	1.0	384.2	Sunny	301.2	754.6	0.0211	0.92	54.9
	9:30	2.7711	2.7947	0.90	0.90	3569.7	3570.7	1.0	436.5	Sunny	302.1	754.8	0.0236	0.90	54.1
	10:48	2.7831	2.8032	0.91	0.91	3570.7	3571.7	1.0	367.2	Sunny	303.4	754.8	0.0201	0.91	54.7
18-Aug-02	8:00	2.7800	2.7966	0.92	0.92	3571.7	3572.7	1.0	302.3	Rainy & Windy	301.4	754.9	0.0166	0.92	54.9
	9:00	2.8079	2.8168	0.92	0.92	3572.7	3573.7	1.0	161.8	Rainy & Windy	300.4	755.3	0.0089	0.92	55.0
	10:00	2.7935	2.8026	0.92	0.92	3573.7	3574.7	1.0	165.1	Rainy & Windy	299.2	755.4	0.0091	0.92	55.1
19-Aug-02	8:00	2.7978	2.8055	0.92	0.92	3574.7	3575.7	1.0	139.8	Rainy & Windy	299.2	753.9	0.0077	0.92	55.1
	9:05	2.8040	2.8173	0.92	0.92	3575.7	3576.7	1.0	241.7	Rainy & Windy	299.9	754.3	0.0133	0.92	55.0
	10:10	2.7975	2.8074	0.92	0.92	3576.7	3577.7	1.0	179.8	Rainy & Windy	300.2	769.7	0.0099	0.92	55.1
20-Aug-02	9:00	2.6314	2.6478	0.92	0.92	3578.7	3579.7	1.0	297.2	Rainy	299.5	757.9	0.0164	0.92	55.2
	10:18	2.6398	2.6458	0.92	0.92	3579.7	3580.7	1.0	108.7	Rainy	299.6	758.3	0.0060	0.92	55.2
	11:30	2.6410	2.6475	0.92	0.92	3580.7	3581.7	1.0	117.9	Rainy	300.5	758.4	0.0065	0.92	55.1
21-Aug-02	8:00	2.6537	2.6546	0.92	0.92	3581.7	3582.7	1.0	16.3	Cloudy	300.1	760.7	0.0009	0.92	55.2
	9:05	2.6314	2.6388	0.89	0.89	3900.2	3901.2	1.0	138.1	Cloudy	301.0	761.2	0.0074	0.89	53.6
	10:10	2.6421	2.6475	0.92	0.92	3583.7	3584.7	1.0	98.0	Cloudy	302.2	761.4	0.0054	0.92	55.1
22-Aug-02	8:00	2.6510	2.6541	0.90	0.90	3902.2	3903.2	1.0	57.6	Cloudy	299.0	761.5	0.0031	0.90	53.8
	9:25	2.6654	2.6662	0.89	0.89	3903.2	3904.2	1.0	14.9	Sunny	301.3	761.8	0.0008	0.89	53.6
	10:39	2.6297	2.6308	0.89	0.89	3904.2	3905.2	1.0	20.6	Cloudy	303.0	761.9	0.0011	0.89	53.5
23-Aug-02	8:00	2.6393	2.6405	0.90	0.89	3905.2	3906.2	1.0	22.3	Sunny	299.5	761.5	0.0012	0.90	53.7
	9:05	2.6324	2.6343	0.92	0.92	3588.7	3589.7	1.0	34.4	Sunny	301.1	761.8	0.0019	0.92	55.2
	10:10	2.6458	2.6484	0.89	0.89	3907.2	3908.2	1.0	48.6	Sunny	302.4	761.8	0.0026	0.89	53.5
24-Aug-02	8:00	2.6201	2.6208	0.92	0.92	3590.7	3591.7	1.0	12.7	Sunny	299.3	761.3	0.0007	0.92	55.3
	9:13	2.6400	2.6411	0.92	0.92	3591.7	3592.7	1.0	20.0	Sunny	301.5	761.6	0.0011	0.92	55.1
	10:22	2.6312	2.6325	0.92	0.92	3592.7	3593.7	1.0	23.6	Sunny	302.5	811.6	0.0013	0.92	55.1
25-Aug-02	8:00	2.6310	2.6325	0.90	0.89	3911.2	3912.2	1.0	27.9	Sunny	299.4	760.0	0.0015	0.90	53.7
	9:05	2.6504	2.6512	0.92	0.92	3594.7	3595.7	1.0	14.5	Sunny	301.4	759.3	0.0008	0.92	55.1
	10:10	2.6477	2.6490	0.92	0.92	3595.7	3596.7	1.0	23.7	Sunny	302.6	758.6	0.0013	0.92	54.9
26-Aug-02	8:00	2.6290	2.6302	0.92	0.92	3596.7	3597.7	1.0	21.8	Sunny	301.6	758.6	0.0012	0.92	55.0
	9:05	2.6373	2.6392	0.92	0.91	3597.7	3598.7	1.0	34.6	Sunny	302.7	758.8	0.0019	0.92	54.9
	10:10	2.6539	2.6561	0.91	0.91	3598.7	3599.7	1.0	40.1	Sunny	303.6	758.8	0.0022	0.91	54.9
27-Aug-02	8:00	2.6402	2.6417	0.92	0.92	3599.7	3600.7	1.0	27.2	Sunny	300.4	758.2	0.0015	0.92	55.1
	9:05	2.4689	2.4702	0.92	0.91	3600.7	3601.7	1.0	23.7	Sunny	302.3	758.4	0.0013	0.92	55.0
	10:10	2.6364	2.6416	0.91	0.91	3601.7	3602.7	1.0	94.8	Sunny	303.3	758.4	0.0052	0.91	54.9
28-Aug-02	8:00	2.6547	2.6779	0.92	0.92	3602.7	3603.7	1.0	419.7	Sunny	299.0	759.1	0.0232	0.92	55.3
	9:05	2.6571	2.6835	0.92	0.91	3603.7	3604.7	1.0	480.4	Sunny	302.8	759.2	0.0264	0.92	55.0
	10:10	2.6522	2.6599	0.92	0.91	3604.7	3605.7	1.0	140.2	Sunny	302.8	759.1	0.0077	0.92	54.9
29-Aug-02	8:00	2.6577	2.6705	0.92	0.92	3605.7	3606.7	1.0	232.7	Sunny	302.1	759.0	0.0128	0.92	55.0
	9:05	2.6533	2.6686	0.92	0.91	3606.7	3607.7	1.0	278.7	Sunny	303.3	758.9	0.0153	0.92	54.9
	10:10	2.6388	2.6567	0.91	0.91	3607.7	3608.7	1.0	327.0	Sunny	304.8	758.6	0.0179	0.91	54.7
								Min	12.7						
								Max	492.3						
								Average	157.0						

APPENDIX A5
GRAPHICAL PRESENTATION OF 1-HOUR TSP CONCENTRATION





Title: DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To Graphical Presentation of 1-hour TSP Monitoring Results	Scale: N.T.S	Project No.: MA2020	CINOTECH
	Date: Sept 02	Appendix: A-5	

APPENDIX B1
CALIBRATION CERTIFICATES FOR SOUND LEVEL METERS

Brüel & Kjær

SPECTRIS CHINA LIMITED
思百吉中國有限公司

CERTIFICATE OF CALIBRATION

Certificate No. : 2KS011232-1

Calibration of :

Description	:	Sound Level Meter	:	Microphone
Manufacture	:	Brüel & Kjær		
Type No.	:	2238	:	4188
Serial No.	:	2527665	:	2289749

Client :

Wellab Ltd.
606-608 Cornell Centre,
50 Wing Tai Road,
Chaiwan,
Hong Kong

Calibration Conditions :

Air Temperature	:	23	°C
Air Pressure	:	1020	hPa
Relative Humidity	:	63	%

Test Specifications :

The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.

The measurements has been performed with the assistance of :
Brüel & Kjær's Sound Level Meter Calibration System B&K 9600 CAL2238A Ver.25.10.1999. The standard(s) and instrument(s) used in the calibration are traceable to international standard and are calibrated on a schedule which is adjusted to maintain the required accuracy level.

Test Result :

A list of the performed (sub) tests is stated on page 2 of this certificate. Actual Measurement are documented on worksheet.

Date of Calibration : 27 December 2001
Calibrated By :

Daniel Ho

Certificate Issued : 27 December 2001
Approved signatory :

Nick Chan

Unit 705 7/F., Miramar Tower, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong
香港九龍尖沙咀彌敦道 132 號美麗華大廈 7 樓 705 室
Tel : (852) 2548 7486
Fax : (852) 2858 4188

Brüel & Kjær Offices in China: Beijing • Guangzhou • Hong Kong • Shanghai • Shenyang
Technical Centres in China: Guangzhou • Wuhan
Web Site: www.bksv.com

Brüel & Kjær

SPECTRIS CHINA LIMITED
思百吉中國有限公司

CERTIFICATE OF CALIBRATION

Certificate No. : 2KS01 1232-2

Calibration of :

Description	: Sound Level Meter		Microphone
Manufacture	: Brüel & Kjær		
Type No.	: 2238	:	4188
Serial No.	: 2337666	:	2289750

Client :

Wellab Ltd.
606-608 Cornell Centre,
50 Wing Tai Road,
Chaiwan,
Hong Kong.

Calibration Conditions :

Air Temperature	:	23	°C
Air Pressure	:	1020	hPa
Relative Humidity	:	65	%

Test Specifications :

The Sound Level Meter has been calibrated in accordance with the requirements as specified in IEC 60651 and IEC 60804 type 1, and vendor specific procedures.

The measurements has been performed with the assistance of :
Brüel & Kjær's Sound Level Meter Calibration System BZ 9690, Cal 2238A, Ver. 25.10.1999. The standard(s) and instrument(s) used in the calibration are traceable to international standard and are calibrated on a schedule which is adjusted to maintain the required accuracy level.

Test Result :

A list of the performed (sub) tests is stated on page 2 of this certificate. Actual Measurement are documented on worksheet.

Date of Calibration : 27 December, 2001	Certificate Issued : 27 December, 2001
Calibrated By :	Approved Signatory :
Daniel Ho	Nick Chan

Unit 706 7/F, Miramar Tower, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong
香港九龍尖沙咀彌敦道132號美麗大廈7樓706室
Tel : (852) 2548 7486
Fax : (852) 2858 1668

Spectris Offices in China : Beijing • Guangzhou • Hong Kong • Shanghai • Shenyang
Technical Centres in China : Guangzhou • Wuhan
Web Site : www.bkav.com

Calibration Chart

Type 4231 Serial No 2326353

Sound Pressure Level: 94.00 dB ± 0.20 dB
(re 20 µPa at reference conditions)

Level Step: 20 dB ± 0.1 dB

Frequency: 1000 Hz ± 0.1%

Distortion: <1% THD

Reference Conditions:

Temperature:	20°C
Pressure:	1013 hPa
Humidity:	65% RH
Load:	0.25 cm^3 (1/2" Brüel & Kjær Mic.)

Date: 23-11-2001 Signed: BR

Sound Level Calibrator Type 4231

Levels for Brüel & Kjær 1/2" Microphones:

Equivalent Free Field:	93.85 dB
Equivalent Diffuse Field:	94.00 dB
Pressure Field:	94.00 dB

Frequency: 1000 Hz

Conforms to:
ANSI S1.40–1984 and IEC 942 (1988) Class 1

Ambient Conditions:

Temperature:	–10° to 50°C
Pressure:	650 hPa to 1080 hPa
Humidity:	10% to 90% RH

For further information refer to the User Manual

BC0210–11

Calibration Chart

Type 4231 Serial No 2343007

Sound Pressure Level: 94.00 dB ± 0.20 dB
(re 20 µPa at reference conditions)

Level Step: 20 dB ± 0.1 dB

Frequency: 1000 Hz ± 0.1%

Distortion: <1% THD

Reference Conditions:

Temperature:	20°C
Pressure:	1013 hPa
Humidity:	65% RH
Load:	0.25 cm^3 (1/2" Brüel & Kjær Mic.)

Date: 8-3-2002 Signed: So

Sound Level Calibrator Type 4231

Levels for Brüel & Kjær 1/2" Microphones:

Equivalent Free Field:	93.85 dB
Equivalent Diffuse Field:	94.00 dB
Pressure Field:	94.00 dB

Frequency: 1000 Hz

Conforms to:
ANSI S1.40–1984 and IEC 942 (1988) Class 1

Ambient Conditions:

Temperature:	−10° to 50°C
Pressure:	650 hPa to 1080 hPa
Humidity:	10% to 90% RH

For further information refer to the User Manual

BC0210–11

WELLAB LTD.
606 - 608 Cornell Centre,
50 Wing Tai Road,
Chai Wan, Hong Kong.
Tel: (852) 2898 7388
Fax: (852) 2898 7076

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
1601-1610 Delta House,
3 On Yiu Street,
Shatin, N.T.

ATTN: **Mr. Tim Lau**

Test Report No.:	C/02/00708
Date of Issue:	2002-03-28
Date Received:	2002-03-28
Date Tested:	2002-03-28
Date Completed:	2002-03-28
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: Sound Level Meter
Manufacturer	: Rion
Model No.	: NL-14
Serial No.	: 10462144
Equipment No.	: N-04-01
Project No.	: N/A
Custody No.	: 020001

Test conditions:

Room Temperatre	: 22 degree Celsius
Relative Humidity	: 67%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**

JEFFREY LEE
Laboratory Manager

APPENDIX B2
DAY-TIME 07:00-19:00 HRS
BASELINE NOISE MONITORING
DATA

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/13/02	7:00	53.3	54.7	51.4
08/13/02	7:30	53.0	54.0	51.0
08/13/02	8:00	53.6	54.2	51.9
08/13/02	8:30	54.7	55.7	52.6
08/13/02	9:00	55.0	56.7	53.0
08/13/02	9:30	54.7	55.7	52.3
08/13/02	10:00	54.9	56.0	52.0
08/13/02	10:30	55.4	58.1	52.3
08/13/02	11:00	54.4	55.4	51.7
08/13/02	11:30	52.7	53.2	51.0
08/13/02	12:00	54.5	55.6	52.3
08/13/02	12:30	53.6	57.1	50.8
08/13/02	13:00	52.7	54.3	50.6
08/13/02	13:30	53.9	56.6	50.8
08/13/02	14:00	57.2	59.6	54.2
08/13/02	14:30	55.8	59.2	52.2
08/13/02	15:00	55.1	56.4	52.9
08/13/02	15:30	55.9	57.8	53.3
08/13/02	16:00	55.8	58.5	52.9
08/13/02	16:30	54.5	55.5	52.8
08/13/02	17:00	54.5	55.7	52.4
08/13/02	17:30	54.3	56.3	51.4
08/13/02	18:00	54.4	57.1	52.0
08/13/02	18:30	55.2	59.3	51.7
	Mean	54.7	56.7	52.2
	Maximum	57.2	59.6	54.2
	Minimum	52.7	53.2	50.6

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/14/02	7:00	53.3	54.6	51.4
08/14/02	7:30	53.3	54.5	51.3
08/14/02	8:00	53.2	54.6	51.5
08/14/02	8:30	53.1	54.4	51.5
08/14/02	9:00	54.6	55.7	52.3
08/14/02	9:30	53.8	54.9	52.2
08/14/02	10:00	53.9	55.2	52.1
08/14/02	10:30	54.6	57.7	51.6
08/14/02	11:00	53.5	54.6	51.2
08/14/02	11:30	51.4	52.1	50.1
08/14/02	12:00	53.8	57.3	50.8
08/14/02	12:30	53.3	58.0	50.1
08/14/02	13:00	52.5	53.8	50.8
08/14/02	13:30	55.8	61.1	51.5
08/14/02	14:00	56.0	60.6	51.2
08/14/02	14:30	55.7	59.7	51.8
08/14/02	15:00	55.4	56.9	52.3
08/14/02	15:30	56.5	59.9	52.4
08/14/02	16:00	56.1	59.9	52.2
08/14/02	16:30	53.5	54.8	51.8
08/14/02	17:00	53.5	54.6	51.8
08/14/02	17:30	54.0	55.5	52.2
08/14/02	18:00	53.5	57.1	51.1
08/14/02	18:30	55.1	60.3	50.3
	Mean	54.3	57.3	51.5
	Maximum	56.5	61.1	52.4
	Minimum	51.4	52.1	50.1

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	7:00	54.3	55.8	51.6
08/15/02	7:30	55.1	56.7	52.0
08/15/02	8:00	54.8	56.6	51.9
08/15/02	8:30	54.8	56.5	52.6
08/15/02	9:00	56.0	59.0	53.1
08/15/02	9:30	55.9	57.2	53.3
08/15/02	10:00	54.8	56.5	52.6
08/15/02	10:30	56.7	60.0	53.2
08/15/02	11:00	57.4	61.8	52.5
08/15/02	11:30	52.7	54.5	49.6
08/15/02	12:00	53.7	55.4	49.8
08/15/02	12:30	52.0	53.4	49.6
08/15/02	13:00	52.0	53.1	50.3
08/15/02	13:30	53.6	57.9	50.3
08/15/02	14:00	54.3	57.9	51.2
08/15/02	14:30	56.0	59.7	52.1
08/15/02	15:00	54.9	57.2	52.1
08/15/02	15:30	53.8	55.3	51.4
08/15/02	16:00	54.2	55.9	51.8
08/15/02	16:30	55.5	58.2	51.7
08/15/02	17:00	54.6	56.7	51.8
08/15/02	17:30	54.5	56.2	52.0
08/15/02	18:00	55.4	57.7	51.9
08/15/02	18:30	55.7	59.9	51.2
	Mean	54.9	57.5	51.8
	Maximum	57.4	61.8	53.3
	Minimum	52.0	53.1	49.6

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	7:00	55.0	55.8	52.1
08/16/02	7:30	53.7	55.3	51.7
08/16/02	8:00	53.5	54.9	52.0
08/16/02	8:30	53.2	54.2	51.7
08/16/02	9:00	53.5	54.2	51.8
08/16/02	9:30	55.9	57.4	53.5
08/16/02	10:00	55.7	58.9	52.5
08/16/02	10:30	56.8	59.2	53.4
08/16/02	11:00	55.3	58.0	52.2
08/16/02	11:30	53.3	55.7	50.8
08/16/02	12:00	52.0	53.2	50.3
08/16/02	12:30	52.7	57.4	49.8
08/16/02	13:00	53.5	57.6	50.6
08/16/02	13:30	54.3	56.7	51.5
08/16/02	14:00	54.7	55.7	52.3
08/16/02	14:30	55.2	56.6	52.8
08/16/02	15:00	55.1	58.4	52.2
08/16/02	15:30	53.6	54.9	51.9
08/16/02	16:00	53.3	54.3	51.7
08/16/02	16:30	54.6	58.1	52.1
08/16/02	17:00	54.0	55.1	52.3
08/16/02	17:30	55.3	57.8	52.5
08/16/02	18:00	55.5	56.9	53.2
08/16/02	18:30	55.2	59.6	50.9
	Mean	54.5	56.8	52.0
	Maximum	56.8	59.6	53.5
	Minimum	52.0	53.2	49.8

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	7:00	55.0	58.1	51.8
08/17/02	7:30	54.1	56.0	51.9
08/17/02	8:00	55.3	56.4	53.2
08/17/02	8:30	55.6	56.9	53.8
08/17/02	9:00	57.3	61.0	53.6
08/17/02	9:30	59.6	62.9	53.8
08/17/02	10:00	56.3	57.9	53.3
08/17/02	10:30	58.3	60.5	54.6
08/17/02	11:00	55.7	57.5	52.8
08/17/02	11:30	55.2	60.5	50.8
08/17/02	12:00	53.9	55.7	50.8
08/17/02	12:30	53.2	57.3	50.8
08/17/02	13:00	52.4	53.3	51.0
08/17/02	13:30	53.7	54.9	51.9
08/17/02	14:00	56.1	58.0	54.0
08/17/02	14:30	58.8	59.9	56.6
08/17/02	15:00	60.1	62.1	55.8
08/17/02	15:30	60.2	62.4	55.9
08/17/02	16:00	58.9	61.0	55.2
08/17/02	16:30	58.6	60.5	54.0
08/17/02	17:00	57.5	59.1	53.5
08/17/02	17:30	58.0	59.9	53.9
08/17/02	18:00	56.5	60.4	52.5
08/17/02	18:30	53.3	56.8	50.6
	Mean	57.3	59.7	53.5
	Maximum	60.2	62.9	56.6
	Minimum	52.4	53.3	50.6

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	7:00	54.6	55.9	52.0
08/20/02	7:30	54.0	55.2	52.2
08/20/02	8:00	55.6	58.7	52.8
08/20/02	8:30	56.0	59.3	53.2
08/20/02	9:00	55.7	56.9	53.6
08/20/02	9:30	57.6	60.9	53.6
08/20/02	10:00	58.6	60.5	53.6
08/20/02	10:30	59.4	61.8	54.1
08/20/02	11:00	60.6	63.8	53.6
08/20/02	11:30	57.9	60.4	51.6
08/20/02	12:00	53.2	55.6	51.4
08/20/02	12:30	52.9	53.7	51.9
08/20/02	13:00	54.7	57.8	52.0
08/20/02	13:30	55.5	56.9	52.6
08/20/02	14:00	60.8	62.0	54.5
08/20/02	14:30	58.6	60.4	54.5
08/20/02	15:00	56.1	58.4	52.1
08/20/02	15:30	57.0	58.8	52.9
08/20/02	16:00	59.6	62.3	54.0
08/20/02	16:30	59.6	63.0	52.7
08/20/02	17:00	56.4	57.3	52.8
08/20/02	17:30	56.3	56.8	52.8
08/20/02	18:00	55.6	55.9	52.5
08/20/02	18:30	53.6	55.4	51.9
	Mean	57.3	59.5	53.0
	Maximum	60.8	63.8	54.5
	Minimum	52.9	53.7	51.4

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	7:00	52.8	54.1	50.7
08/21/02	7:30	53.1	55.3	50.9
08/21/02	8:00	53.1	54.1	51.8
08/21/02	8:30	54.3	56.1	52.0
08/21/02	9:00	53.9	55.0	52.5
08/21/02	9:30	54.6	56.8	52.6
08/21/02	10:00	54.5	56.2	52.4
08/21/02	10:30	54.5	56.1	52.5
08/21/02	11:00	54.5	55.3	52.4
08/21/02	11:30	55.9	59.9	51.8
08/21/02	12:00	53.4	55.8	51.3
08/21/02	12:30	51.8	52.5	50.7
08/21/02	13:00	53.2	55.1	51.1
08/21/02	13:30	52.4	53.4	50.9
08/21/02	14:00	55.2	58.0	51.9
08/21/02	14:30	54.8	58.0	52.3
08/21/02	15:00	55.3	57.7	52.7
08/21/02	15:30	54.8	56.0	53.0
08/21/02	16:00	54.7	55.8	53.0
08/21/02	16:30	55.5	57.2	53.6
08/21/02	17:00	54.1	55.7	52.1
08/21/02	17:30	53.9	56.3	51.6
08/21/02	18:00	55.7	57.1	53.7
08/21/02	18:30	55.3	58.9	51.1
	Mean	54.3	56.4	52.1
	Maximum	55.9	59.9	53.7
	Minimum	51.8	52.5	50.7

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	7:00	54.0	55.3	51.5
08/22/02	7:30	53.4	54.7	51.7
08/22/02	8:00	55.0	58.1	52.3
08/22/02	8:30	55.5	58.7	52.7
08/22/02	9:00	55.1	56.4	53.1
08/22/02	9:30	57.0	60.2	53.1
08/22/02	10:00	58.0	59.9	53.1
08/22/02	10:30	58.8	61.2	53.6
08/22/02	11:00	60.0	63.1	53.1
08/22/02	11:30	57.3	59.8	51.1
08/22/02	12:00	52.7	55.0	50.9
08/22/02	12:30	52.4	53.1	51.3
08/22/02	13:00	54.1	57.2	51.5
08/22/02	13:30	54.9	56.4	52.1
08/22/02	14:00	60.2	61.4	53.9
08/22/02	14:30	58.0	59.8	54.0
08/22/02	15:00	58.8	60.4	54.4
08/22/02	15:30	57.9	59.3	53.6
08/22/02	16:00	57.3	59.3	53.3
08/22/02	16:30	57.1	58.3	53.8
08/22/02	17:00	55.3	56.6	53.7
08/22/02	17:30	57.0	58.1	53.7
08/22/02	18:00	58.8	60.4	54.5
08/22/02	18:30	55.8	58.5	51.9
	Mean	57.0	59.0	53.0
	Maximum	60.2	63.1	54.5
	Minimum	52.4	53.1	50.9

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	7:00	52.7	53.9	51.1
08/23/02	7:30	54.0	55.7	51.8
08/23/02	8:00	56.0	57.3	52.8
08/23/02	8:30	56.2	57.8	53.3
08/23/02	9:00	56.5	58.6	54.2
08/23/02	9:30	56.4	58.0	53.7
08/23/02	10:00	56.1	57.6	53.6
08/23/02	10:30	59.6	62.1	53.6
08/23/02	11:00	57.5	58.6	53.3
08/23/02	11:30	54.7	56.7	52.6
08/23/02	12:00	54.1	54.9	52.5
08/23/02	12:30	54.8	56.5	52.3
08/23/02	13:00	55.1	57.7	52.2
08/23/02	13:30	54.6	55.9	52.3
08/23/02	14:00	58.1	60.6	53.4
08/23/02	14:30	56.6	58.2	53.3
08/23/02	15:00	56.7	57.8	53.3
08/23/02	15:30	56.6	59.1	53.2
08/23/02	16:00	55.3	57.2	53.2
08/23/02	16:30	55.4	57.2	53.4
08/23/02	17:00	56.9	58.8	54.3
08/23/02	17:30	57.0	58.9	53.6
08/23/02	18:00	58.9	61.8	54.3
08/23/02	18:30	57.0	60.5	52.3
	Mean	56.4	58.4	53.1
	Maximum	59.6	62.1	54.3
	Minimum	52.7	53.9	51.1

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	7:00	53.9	55.0	51.6
08/24/02	7:30	55.8	59.0	52.0
08/24/02	8:00	55.4	57.1	52.7
08/24/02	8:30	59.0	61.1	54.8
08/24/02	9:00	58.8	60.7	54.4
08/24/02	9:30	59.3	61.4	54.4
08/24/02	10:00	59.7	61.5	54.5
08/24/02	10:30	58.6	60.5	53.8
08/24/02	11:00	57.9	59.6	53.3
08/24/02	11:30	55.6	56.7	53.1
08/24/02	12:00	55.5	57.1	52.3
08/24/02	12:30	54.3	55.3	52.1
08/24/02	13:00	53.6	55.5	51.8
08/24/02	13:30	53.5	54.7	52.0
08/24/02	14:00	58.4	60.2	52.6
08/24/02	14:30	58.6	60.2	53.3
08/24/02	15:00	57.7	59.5	53.5
08/24/02	15:30	56.3	57.7	53.7
08/24/02	16:00	55.9	57.5	53.4
08/24/02	16:30	54.5	55.0	53.1
08/24/02	17:00	56.2	57.7	53.8
08/24/02	17:30	55.9	57.4	53.2
08/24/02	18:00	56.8	59.2	53.8
08/24/02	18:30	54.9	58.8	52.0
	Mean	56.9	58.8	53.2
	Maximum	59.7	61.5	54.8
	Minimum	53.5	54.7	51.6

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	7:00	54.9	57.5	51.4
08/26/02	7:30	54.1	55.9	52.0
08/26/02	8:00	54.0	55.1	52.5
08/26/02	8:30	54.8	56.5	52.9
08/26/02	9:00	55.4	56.7	53.6
08/26/02	9:30	57.2	58.8	54.3
08/26/02	10:00	56.8	58.5	54.6
08/26/02	10:30	57.4	60.1	54.4
08/26/02	11:00	57.4	59.5	54.0
08/26/02	11:30	55.4	58.0	53.3
08/26/02	12:00	54.7	57.1	52.5
08/26/02	12:30	54.0	54.5	52.3
08/26/02	13:00	55.4	58.8	52.6
08/26/02	13:30	55.0	57.4	52.9
08/26/02	14:00	55.8	57.6	52.9
08/26/02	14:30	55.5	57.6	53.1
08/26/02	15:00	55.1	57.3	53.1
08/26/02	15:30	56.0	56.8	53.0
08/26/02	16:00	55.3	56.6	53.5
08/26/02	16:30	54.9	55.8	53.4
08/26/02	17:00	54.6	55.7	52.9
08/26/02	17:30	54.8	56.1	52.9
08/26/02	18:00	54.8	56.1	52.7
08/26/02	18:30	55.4	57.7	52.8
	Mean	55.5	57.4	53.1
	Maximum	57.4	60.1	54.6
	Minimum	54.0	54.5	51.4

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	7:00	52.7	54.5	50.3
08/27/02	7:30	52.8	54.2	50.8
08/27/02	8:00	54.3	55.6	52.6
08/27/02	8:30	56.7	59.5	53.4
08/27/02	9:00	60.5	64.2	54.5
08/27/02	9:30	56.9	58.5	54.4
08/27/02	10:00	56.2	58.0	53.8
08/27/02	10:30	55.5	56.9	53.8
08/27/02	11:00	56.7	58.6	54.6
08/27/02	11:30	57.0	59.3	53.8
08/27/02	12:00	56.7	59.2	53.2
08/27/02	12:30	56.2	57.9	53.3
08/27/02	13:00	55.8	58.2	52.8
08/27/02	13:30	55.2	56.7	53.2
08/27/02	14:00	56.6	58.8	53.3
08/27/02	14:30	56.6	58.4	53.7
08/27/02	15:00	57.5	59.5	53.9
08/27/02	15:30	57.2	59.0	54.7
08/27/02	16:00	57.4	59.2	54.3
08/27/02	16:30	58.1	60.2	55.1
08/27/02	17:00	57.8	60.0	54.9
08/27/02	17:30	56.8	58.7	53.8
08/27/02	18:00	57.0	59.6	53.3
08/27/02	18:30	56.1	59.0	52.6
	Mean	56.7	59.0	53.6
	Maximum	60.5	64.2	55.1
	Minimum	52.7	54.2	50.3

Location BMIN :Lo Wu Public School
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	7:00	54.7	56.9	51.6
08/28/02	7:30	55.6	57.8	52.3
08/28/02	8:00	56.4	59.0	52.7
08/28/02	8:30	57.2	60.0	53.3
08/28/02	9:00	56.4	58.5	53.1
08/28/02	9:30	54.6	55.7	52.6
08/28/02	10:00	54.9	56.5	52.2
08/28/02	10:30	56.0	57.8	52.4
08/28/02	11:00	56.3	58.4	53.7
08/28/02	11:30	56.8	59.6	53.0
08/28/02	12:00	56.5	59.2	53.0
08/28/02	12:30	59.2	61.8	52.9
08/28/02	13:00	54.7	57.3	52.0
08/28/02	13:30	55.3	57.1	53.1
08/28/02	14:00	57.9	60.9	53.8
08/28/02	14:30	57.3	59.7	53.9
08/28/02	15:00	57.3	60.3	53.6
08/28/02	15:30	54.5	55.8	52.4
08/28/02	16:00	54.6	56.0	52.8
08/28/02	16:30	55.4	57.1	53.0
08/28/02	17:00	56.3	58.4	53.5
08/28/02	17:30	54.8	56.4	52.7
08/28/02	18:00	53.9	56.1	51.8
08/28/02	18:30	54.4	55.8	52.4
	Mean	56.1	58.4	52.9
	Maximum	59.2	61.8	53.9
	Minimum	53.9	55.7	51.6

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	7:00	56.3	57.3	54.9
08/15/02	7:30	56.4	57.4	55.4
08/15/02	8:00	56.6	57.5	55.2
08/15/02	8:30	58.1	59.6	56.2
08/15/02	9:00	58.0	58.9	56.7
08/15/02	9:30	58.3	59.8	56.3
08/15/02	10:00	59.2	60.7	56.6
08/15/02	10:30	56.5	57.1	55.6
08/15/02	11:00	55.3	57.0	51.2
08/15/02	11:30	52.6	54.6	49.2
08/15/02	12:00	49.2	50.3	47.8
08/15/02	12:30	48.9	50.3	47.5
08/15/02	13:00	49.4	50.5	48.0
08/15/02	13:30	50.1	51.2	48.7
08/15/02	14:00	51.2	52.5	49.5
08/15/02	14:30	51.4	52.9	49.6
08/15/02	15:00	52.2	53.8	50.4
08/15/02	15:30	52.4	53.8	50.7
08/15/02	16:00	52.6	53.7	50.5
08/15/02	16:30	61.0	63.4	52.6
08/15/02	17:00	55.3	56.8	49.8
08/15/02	17:30	53.3	55.5	49.6
08/15/02	18:00	55.9	58.0	51.4
08/15/02	18:30	53.5	55.6	50.2
	Mean	55.6	57.1	52.9
	Maximum	61.0	63.4	56.7
	Minimum	48.9	50.3	47.5

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	7:00	52.4	54.0	50.0
08/16/02	7:30	54.0	55.7	51.2
08/16/02	8:00	55.3	56.9	53.3
08/16/02	8:30	54.0	54.7	53.3
08/16/02	9:00	56.1	57.0	54.7
08/16/02	9:30	57.9	59.1	56.3
08/16/02	10:00	57.5	58.7	56.0
08/16/02	10:30	56.6	57.6	55.7
08/16/02	11:00	56.1	56.9	55.1
08/16/02	11:30	55.8	57.5	54.5
08/16/02	12:00	55.2	56.0	54.5
08/16/02	12:30	54.8	55.3	54.2
08/16/02	13:00	55.6	56.8	54.3
08/16/02	13:30	57.1	57.9	55.1
08/16/02	14:00	56.5	57.8	55.1
08/16/02	14:30	56.4	57.8	55.0
08/16/02	15:00	56.6	58.1	55.0
08/16/02	15:30	56.1	57.3	54.8
08/16/02	16:00	55.6	56.9	54.3
08/16/02	16:30	54.8	55.4	54.1
08/16/02	17:00	55.1	56.0	54.3
08/16/02	17:30	55.4	56.2	54.3
08/16/02	18:00	57.5	59.1	55.6
08/16/02	18:30	57.2	58.8	55.5
	Mean	56.0	57.2	54.6
	Maximum	57.9	59.1	56.3
	Minimum	52.4	54.0	50.0

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	7:00	56.0	57.0	54.8
08/17/02	7:30	55.9	56.6	54.5
08/17/02	8:00	57.1	58.0	56.1
08/17/02	8:30	56.8	57.4	56.0
08/17/02	9:00	56.6	58.1	54.8
08/17/02	9:30	57.9	59.0	56.6
08/17/02	10:00	57.7	58.4	57.0
08/17/02	10:30	57.5	58.6	56.2
08/17/02	11:00	56.8	57.8	55.9
08/17/02	11:30	59.3	60.9	57.2
08/17/02	12:00	56.2	57.1	54.5
08/17/02	12:30	54.4	54.9	53.9
08/17/02	13:00	55.0	55.8	54.1
08/17/02	13:30	55.0	55.9	54.1
08/17/02	14:00	54.8	55.4	54.2
08/17/02	14:30	56.2	57.2	55.0
08/17/02	15:00	55.8	56.7	54.8
08/17/02	15:30	55.2	55.8	54.3
08/17/02	16:00	55.7	56.7	54.6
08/17/02	16:30	56.1	58.1	54.5
08/17/02	17:00	57.9	59.5	55.3
08/17/02	17:30	57.0	58.6	54.9
08/17/02	18:00	57.7	59.7	55.5
08/17/02	18:30	56.8	57.9	54.7
	Mean	56.6	57.8	55.2
	Maximum	59.3	60.9	57.2
	Minimum	54.4	54.9	53.9

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	7:00	55.5	56.2	54.8
08/20/02	7:30	55.9	56.6	55.1
08/20/02	8:00	57.0	57.7	56.3
08/20/02	8:30	56.4	57.1	55.5
08/20/02	9:00	57.8	58.9	56.0
08/20/02	9:30	58.5	59.6	57.1
08/20/02	10:00	58.3	59.0	57.5
08/20/02	10:30	58.1	59.2	56.8
08/20/02	11:00	57.4	58.3	56.5
08/20/02	11:30	59.9	61.5	57.8
08/20/02	12:00	56.5	57.5	54.3
08/20/02	12:30	54.9	55.5	54.5
08/20/02	13:00	55.6	56.3	54.6
08/20/02	13:30	55.5	56.4	54.7
08/20/02	14:00	55.4	56.0	54.7
08/20/02	14:30	56.8	57.8	55.5
08/20/02	15:00	56.4	57.3	55.3
08/20/02	15:30	55.7	56.3	54.8
08/20/02	16:00	56.3	57.3	55.2
08/20/02	16:30	56.7	58.6	55.1
08/20/02	17:00	58.5	60.1	55.8
08/20/02	17:30	57.6	59.2	55.4
08/20/02	18:00	58.3	60.3	56.0
08/20/02	18:30	57.3	58.5	55.3
	Mean	57.1	58.3	55.7
	Maximum	59.9	61.5	57.8
	Minimum	54.9	55.5	54.3

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	7:00	56.3	57.2	55.4
08/21/02	7:30	57.6	58.5	56.7
08/21/02	8:00	58.5	59.8	57.1
08/21/02	8:30	57.6	59.2	56.1
08/21/02	9:00	57.6	58.5	56.7
08/21/02	9:30	59.1	60.3	57.2
08/21/02	10:00	59.1	60.7	57.2
08/21/02	10:30	57.7	58.6	56.7
08/21/02	11:00	56.5	57.6	55.1
08/21/02	11:30	57.1	58.4	55.6
08/21/02	12:00	55.8	56.6	55.0
08/21/02	12:30	56.3	57.6	55.1
08/21/02	13:00	56.6	58.1	55.0
08/21/02	13:30	58.1	59.9	56.0
08/21/02	14:00	58.3	59.8	56.7
08/21/02	14:30	62.7	63.3	62.1
08/21/02	15:00	62.3	62.7	61.8
08/21/02	15:30	62.5	63.2	61.8
08/21/02	16:00	58.7	59.4	57.9
08/21/02	16:30	55.3	56.1	54.6
08/21/02	17:00	55.5	56.0	54.4
08/21/02	17:30	55.8	57.1	54.4
08/21/02	18:00	55.5	56.3	54.5
08/21/02	18:30	54.9	55.5	54.3
	Mean	58.5	59.5	57.3
	Maximum	62.7	63.3	62.1
	Minimum	54.9	55.5	54.3

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	7:00	56.3	57.2	55.4
08/22/02	7:30	57.6	58.5	56.7
08/22/02	8:00	58.5	59.8	57.1
08/22/02	8:30	57.6	59.2	56.2
08/22/02	9:00	57.7	58.6	56.8
08/22/02	9:30	59.1	60.3	57.2
08/22/02	10:00	58.9	60.5	56.6
08/22/02	10:30	53.4	54.4	52.6
08/22/02	11:00	53.5	54.7	52.4
08/22/02	11:30	52.9	53.8	52.2
08/22/02	12:00	54.0	54.7	53.1
08/22/02	12:30	55.4	56.2	53.2
08/22/02	13:00	54.7	55.7	53.5
08/22/02	13:30	54.7	55.6	53.7
08/22/02	14:00	63.4	64.2	62.7
08/22/02	14:30	66.7	67.0	66.4
08/22/02	15:00	66.2	66.5	65.9
08/22/02	15:30	66.2	66.5	65.9
08/22/02	16:00	66.3	66.7	66.0
08/22/02	16:30	66.3	66.6	66.0
08/22/02	17:00	66.3	66.6	66.0
08/22/02	17:30	66.3	66.6	66.0
08/22/02	18:00	66.2	66.5	65.9
08/22/02	18:30	66.3	66.6	66.0
	Mean	62.9	63.4	62.5
	Maximum	66.7	67.0	66.4
	Minimum	52.9	53.8	52.2

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	7:00	66.3	66.6	66.0
08/23/02	7:30	66.3	66.6	65.9
08/23/02	8:00	63.2	63.6	62.7
08/23/02	8:30	58.5	59.3	57.5
08/23/02	9:00	57.0	58.2	55.8
08/23/02	9:30	57.5	58.9	55.2
08/23/02	10:00	57.1	59.5	53.3
08/23/02	10:30	54.6	55.5	53.5
08/23/02	11:00	55.7	58.3	53.4
08/23/02	11:30	56.5	57.1	53.8
08/23/02	12:00	54.5	55.2	53.5
08/23/02	12:30	56.1	56.7	53.8
08/23/02	13:00	55.9	56.7	54.0
08/23/02	13:30	55.3	56.7	54.1
08/23/02	14:00	56.6	59.4	54.4
08/23/02	14:30	55.2	56.1	54.2
08/23/02	15:00	55.3	56.3	54.2
08/23/02	15:30	55.3	56.0	54.1
08/23/02	16:00	56.6	57.4	54.3
08/23/02	16:30	55.5	56.4	54.3
08/23/02	17:00	56.1	57.6	54.6
08/23/02	17:30	56.3	58.4	54.3
08/23/02	18:00	54.7	55.1	54.0
08/23/02	18:30	55.2	55.9	54.5
	Mean	59.0	59.8	58.1
	Maximum	66.3	66.6	66.0
	Minimum	54.5	55.1	53.3

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	7:00	56.3	56.9	55.7
08/24/02	7:30	55.7	56.3	54.9
08/24/02	8:00	56.7	58.8	54.4
08/24/02	8:30	54.5	55.2	53.8
08/24/02	9:00	56.6	57.6	55.2
08/24/02	9:30	58.5	59.7	56.9
08/24/02	10:00	58.1	59.3	56.5
08/24/02	10:30	57.2	58.2	56.3
08/24/02	11:00	56.7	57.5	55.7
08/24/02	11:30	56.4	58.1	55.0
08/24/02	12:00	55.8	56.6	55.0
08/24/02	12:30	55.3	55.9	54.7
08/24/02	13:00	56.1	57.4	54.8
08/24/02	13:30	57.7	58.5	55.7
08/24/02	14:00	57.1	58.4	55.7
08/24/02	14:30	57.0	58.4	55.5
08/24/02	15:00	57.2	58.7	55.6
08/24/02	15:30	56.7	57.9	55.3
08/24/02	16:00	56.2	57.5	54.8
08/24/02	16:30	55.3	55.9	54.6
08/24/02	17:00	55.7	56.6	54.8
08/24/02	17:30	56.0	56.8	54.8
08/24/02	18:00	58.1	59.7	56.2
08/24/02	18:30	57.8	59.4	56.0
	Mean	56.7	57.9	55.4
	Maximum	58.5	59.7	56.9
	Minimum	54.5	55.2	53.8

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	7:00	55.7	56.6	54.9
08/26/02	7:30	57.0	57.9	56.1
08/26/02	8:00	57.9	59.2	56.5
08/26/02	8:30	57.0	58.6	55.6
08/26/02	9:00	57.1	58.0	56.2
08/26/02	9:30	58.5	59.7	56.6
08/26/02	10:00	58.5	60.1	56.6
08/26/02	10:30	57.1	58.0	56.2
08/26/02	11:00	56.0	57.0	54.6
08/26/02	11:30	56.6	57.9	55.1
08/26/02	12:00	55.3	56.0	54.5
08/26/02	12:30	55.8	57.0	54.6
08/26/02	13:00	56.0	57.5	54.4
08/26/02	13:30	57.6	59.3	55.4
08/26/02	14:00	57.8	59.2	56.1
08/26/02	14:30	62.1	62.7	61.5
08/26/02	15:00	61.7	62.1	61.2
08/26/02	15:30	61.9	62.5	61.2
08/26/02	16:00	58.1	58.8	57.4
08/26/02	16:30	54.8	55.5	54.1
08/26/02	17:00	54.9	55.4	53.9
08/26/02	17:30	55.2	56.5	53.9
08/26/02	18:00	54.9	55.7	53.9
08/26/02	18:30	54.4	54.9	53.8
	Mean	57.8	58.8	56.7
	Maximum	62.1	62.7	61.5
	Minimum	54.4	54.9	53.8

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	7:00	55.5	56.6	54.0
08/27/02	7:30	56.0	56.9	55.0
08/27/02	8:00	56.0	56.8	54.8
08/27/02	8:30	57.3	59.0	55.0
08/27/02	9:00	56.9	57.5	56.0
08/27/02	9:30	58.2	59.7	55.9
08/27/02	10:00	58.4	59.9	55.9
08/27/02	10:30	56.7	57.4	55.6
08/27/02	11:00	55.2	56.3	53.5
08/27/02	11:30	56.0	56.7	54.2
08/27/02	12:00	54.7	55.2	53.8
08/27/02	12:30	54.7	55.1	53.9
08/27/02	13:00	55.9	57.0	54.3
08/27/02	13:30	60.4	62.0	57.0
08/27/02	14:00	62.5	64.4	57.4
08/27/02	14:30	60.9	62.1	58.4
08/27/02	15:00	61.0	61.6	60.0
08/27/02	15:30	57.6	58.1	56.5
08/27/02	16:00	55.6	56.2	54.6
08/27/02	16:30	55.8	56.4	54.6
08/27/02	17:00	55.3	56.0	54.3
08/27/02	17:30	56.1	57.4	54.1
08/27/02	18:00	56.4	58.4	54.3
08/27/02	18:30	54.6	55.0	53.5
	Mean	57.6	58.8	55.6
	Maximum	62.5	64.4	60.0
	Minimum	54.6	55.0	53.5

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	7:00	58.4	58.6	58.1
08/28/02	7:30	58.6	58.8	58.3
08/28/02	8:00	58.5	58.8	58.2
08/28/02	8:30	58.4	58.8	58.0
08/28/02	9:00	56.8	58.4	55.3
08/28/02	9:30	57.1	57.6	56.2
08/28/02	10:00	61.4	61.8	61.0
08/28/02	10:30	62.7	63.0	62.3
08/28/02	11:00	63.3	63.6	62.9
08/28/02	11:30	63.5	63.8	63.2
08/28/02	12:00	63.5	63.8	63.2
08/28/02	12:30	63.5	63.7	63.2
08/28/02	13:00	63.5	63.8	63.2
08/28/02	13:30	63.5	63.8	63.2
08/28/02	14:00	63.6	63.9	63.2
08/28/02	14:30	64.1	64.5	63.5
08/28/02	15:00	65.0	65.4	63.6
08/28/02	15:30	63.7	64.1	63.4
08/28/02	16:00	63.8	64.1	63.4
08/28/02	16:30	63.7	64.1	63.4
08/28/02	17:00	63.7	64.0	63.4
08/28/02	17:30	63.7	64.0	63.4
08/28/02	18:00	63.8	64.1	63.5
08/28/02	18:30	63.9	64.1	63.6
	Mean	62.7	63.1	62.3
	Maximum	65.0	65.4	63.6
	Minimum	56.8	57.6	55.3

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/29/02	7:00	63.8	64.0	63.5
08/29/02	7:30	64.0	64.3	63.7
08/29/02	8:00	63.9	64.3	63.6
08/29/02	8:30	63.8	64.3	63.4
08/29/02	9:00	63.9	64.2	63.5
08/29/02	9:30	64.5	65.3	63.6
08/29/02	10:00	64.6	65.5	63.5
08/29/02	10:30	63.8	64.1	63.4
08/29/02	11:00	63.8	64.2	63.4
08/29/02	11:30	63.9	64.3	63.5
08/29/02	12:00	63.8	64.1	63.5
08/29/02	12:30	63.8	64.1	63.5
08/29/02	13:00	63.8	64.1	63.5
08/29/02	13:30	63.8	64.1	63.5
08/29/02	14:00	63.8	64.2	63.5
08/29/02	14:30	63.8	64.1	63.5
08/29/02	15:00	63.8	64.1	63.5
08/29/02	15:30	63.9	64.3	63.6
08/29/02	16:00	64.1	64.4	63.7
08/29/02	16:30	64.0	64.3	63.7
08/29/02	17:00	64.0	64.3	63.7
08/29/02	17:30	63.8	64.1	63.5
08/29/02	18:00	63.8	64.1	63.5
08/29/02	18:30	63.8	64.1	63.5
	Mean	63.9	64.3	63.5
	Maximum	64.6	65.5	63.7
	Minimum	63.8	64.0	63.4

Location BM2: Muk Wu Pumping Station
Day-time 07:00-19:00 hrs Noise Monitoring results

	Noise Level for 30-min, dB(A)			
Date	Time	Leq	L10	L90
08/30/02	7:00	64.0	64.4	63.8
08/30/02	7:30	64.0	64.2	63.7
08/30/02	8:00	63.9	64.2	63.5
08/30/02	8:30	63.7	64.0	63.4
08/30/02	9:00	63.8	64.1	63.4
08/30/02	9:30	63.8	64.1	63.5
08/30/02	10:00	63.8	64.1	63.5
08/30/02	10:30	63.8	64.1	63.5
08/30/02	11:00	63.8	64.2	63.4
08/30/02	11:30	63.6	63.9	63.2
08/30/02	12:00	63.3	63.6	63.0
08/30/02	12:30	63.4	63.6	63.1
08/30/02	13:00	67.1	69.4	64.3
08/30/02	13:30	66.5	67.1	64.2
08/30/02	14:00	63.8	64.1	63.5
08/30/02	14:30	63.8	64.1	63.5
08/30/02	15:00	63.8	64.0	63.4
08/30/02	15:30	64.1	65.0	63.5
08/30/02	16:00	64.1	64.6	63.6
08/30/02	16:30	63.9	64.1	63.5
08/30/02	17:00	63.8	64.1	63.5
08/30/02	17:30	63.8	64.1	63.6
08/30/02	18:00	63.7	64.0	63.4
08/30/02	18:30	63.7	64.0	63.4
	Mean	64.1	64.7	63.5
	Maximum	67.1	69.4	64.3
	Minimum	63.3	63.6	63.0

APPENDIX B3
EVENING-TIME 19:00-23:00 HRS &
HOLIDAYS 07:00-23:00 HRS
BASELINE NOISE MONITORING
DATA

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/13/02	19:00	56.4	60	50.5
08/13/02	19:05	52.2	52.5	50
08/13/02	19:10	53.1	55.5	50.5
08/13/02	19:15	55.6	58	52.5
08/13/02	19:20	53.1	54.5	51.5
08/13/02	19:25	52.7	53.5	51.5
08/13/02	19:30	53.5	54.5	52
08/13/02	19:35	54.8	57	52.5
08/13/02	19:40	53.8	55	52
08/13/02	19:45	53.1	53.5	52.5
08/13/02	19:50	53.2	54	52
08/13/02	19:55	54.4	55	52.5
08/13/02	20:00	54.7	56.5	52.5
08/13/02	20:05	54.6	57	52.5
08/13/02	20:10	53.6	54.5	52.5
08/13/02	20:15	54.9	57	53
08/13/02	20:20	58.2	60	55
08/13/02	20:25	58.4	60.5	55
08/13/02	20:30	55.7	59	52.5
08/13/02	20:35	55.6	58.5	53
08/13/02	20:40	57.1	60.5	52.5
08/13/02	20:45	59.2	61.5	53.5
08/13/02	20:50	54.4	56	52.5
08/13/02	20:55	57.1	59.5	53.5
08/13/02	21:00	60.9	63.5	55
08/13/02	21:05	61.1	63.5	56
08/13/02	21:10	58.7	62	54.5
08/13/02	21:15	57.2	59.5	54
08/13/02	21:20	57.9	60	54
08/13/02	21:25	57.8	60	55
08/13/02	21:30	57.8	60	54
08/13/02	21:35	58.9	60.5	56.5
08/13/02	21:40	58.8	60.5	56.5
08/13/02	21:45	57.6	59.5	54
08/13/02	21:50	57.4	60	53.5
08/13/02	21:55	54.6	56	52.5
08/13/02	22:00	57.2	60	53
08/13/02	22:05	57.8	60	54
08/13/02	22:10	57.8	60.5	53.5
08/13/02	22:15	58.8	62	54
08/13/02	22:20	56.6	58.5	54
08/13/02	22:25	57	58.5	54.5
08/13/02	22:30	57.1	58.5	54
08/13/02	22:35	56.2	58	53.5
08/13/02	22:40	57.1	58.5	53.5
08/13/02	22:45	59.2	62.5	53.5
08/13/02	22:50	60.6	63	55
08/13/02	22:55	61.3	63.5	56.5
	Mean	57.2	59.5	59.5
	Maximum	61.3	63.5	56.5
	Minimum	52.7	53.5	51.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/14/02	19:00	57.1	64	50.5
08/14/02	19:05	52.3	53.5	51
08/14/02	19:10	52	52.5	50.5
08/14/02	19:15	51.6	52	50.5
08/14/02	19:20	53.6	56.5	51
08/14/02	19:25	53.1	54	51.5
08/14/02	19:30	53	53.5	52
08/14/02	19:35	53.2	53.5	52
08/14/02	19:40	53.2	53.5	52
08/14/02	19:45	52.7	53	52
08/14/02	19:50	52.9	53	51.5
08/14/02	19:55	53.6	54	52.5
08/14/02	20:00	53.7	54.5	52.5
08/14/02	20:05	53.9	54	52.5
08/14/02	20:10	53.6	54	52.5
08/14/02	20:15	54	54.5	53
08/14/02	20:20	54	54.5	53
08/14/02	20:25	56.3	57	53.5
08/14/02	20:30	56.6	57	56
08/14/02	20:35	56.6	57	56
08/14/02	20:40	56.3	56.5	56
08/14/02	20:45	56.2	56.5	55.5
08/14/02	20:50	56.3	56.5	55.5
08/14/02	20:55	56.4	56.5	56
08/14/02	21:00	56.9	57	56
08/14/02	21:05	56.1	56.5	55.5
08/14/02	21:10	54	56	52.5
08/14/02	21:15	53.6	54	52.5
08/14/02	21:20	53.8	54.5	53
08/14/02	21:25	53.8	54.5	53
08/14/02	21:30	53.6	54	52.5
08/14/02	21:35	53.5	54	52.5
08/14/02	21:40	53.3	53.5	52.5
08/14/02	21:45	53.7	54	52.5
08/14/02	21:50	55.7	57.5	53.5
08/14/02	21:55	54.2	55	53
08/14/02	22:00	54.2	55	53
08/14/02	22:05	54.2	55	53.5
08/14/02	22:10	53.7	54	53
08/14/02	22:15	54.1	55	53
08/14/02	22:20	53.5	54	52.5
08/14/02	22:25	53.3	53.5	52.5
08/14/02	22:30	53.5	54	52.5
08/14/02	22:35	53.5	54	52.5
08/14/02	22:40	54.2	55	53
08/14/02	22:45	53.8	54.5	53
08/14/02	22:50	54.6	56	53
08/14/02	22:55	52.9	54	51.5
	Mean	54.4	55.5	53.2
	Maximum	57.1	64.0	56.0
	Minimum	51.6	52.0	50.5

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	19:00	51.6	52	50.5
08/15/02	19:05	51.5	52	50.5
08/15/02	19:10	52	53	50.5
08/15/02	19:15	52.4	53	51.5
08/15/02	19:20	52.7	53.5	51.5
08/15/02	19:25	53.1	53.5	52
08/15/02	19:30	53	53.5	52
08/15/02	19:35	52.8	53	52
08/15/02	19:40	52.4	53	51.5
08/15/02	19:45	52.6	53	51.5
08/15/02	19:50	52.9	53.5	52
08/15/02	19:55	52.9	53.5	52
08/15/02	20:00	53.5	54	52.5
08/15/02	20:05	53.3	54	52.5
08/15/02	20:10	53.3	53.5	52.5
08/15/02	20:15	53.3	54	52.5
08/15/02	20:20	53.3	53.5	52.5
08/15/02	20:25	53.1	53.5	52.5
08/15/02	20:30	53.2	53.5	52.5
08/15/02	20:35	53.4	54	52.5
08/15/02	20:40	53.3	53.5	52.5
08/15/02	20:45	53.2	53.5	52.5
08/15/02	20:50	53	53.5	52
08/15/02	20:55	53.1	53.5	52
08/15/02	21:00	53.5	54	52.5
08/15/02	21:05	53.6	54	52.5
08/15/02	21:10	53.5	54	52.5
08/15/02	21:15	53.4	54	52.5
08/15/02	21:20	53.3	54	52.5
08/15/02	21:25	53.1	53.5	52
08/15/02	21:30	53.4	54	52.5
08/15/02	21:35	52.9	53.5	52
08/15/02	21:40	53	53.5	52
08/15/02	21:45	53	53.5	52
08/15/02	21:50	53.1	53.5	52
08/15/02	21:55	53.1	53.5	52
08/15/02	22:00	52.9	53.5	52
08/15/02	22:05	53.1	53.5	52.5
08/15/02	22:10	52.8	53.5	52
08/15/02	22:15	53.1	53.5	52.5
08/15/02	22:20	53.1	53.5	52
08/15/02	22:25	52.9	53.5	52
08/15/02	22:30	52.3	53	51.5
08/15/02	22:35	52.7	53	52
08/15/02	22:40	52.5	53	52
08/15/02	22:45	53.2	54	52
08/15/02	22:50	53.2	54	52
08/15/02	22:55	53.1	54	52
	Mean	53.0	53.5	52.1
	Maximum	53.6	54.0	52.5
	Minimum	51.5	52.0	50.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	19:00	53.4	54	50.5
08/16/02	19:05	51.8	52.5	51
08/16/02	19:10	51.8	52.5	50.5
08/16/02	19:15	52	53	51
08/16/02	19:20	52	52.5	50.5
08/16/02	19:25	55.2	56	51
08/16/02	19:30	53.1	53.5	52
08/16/02	19:35	52.2	52.5	51
08/16/02	19:40	52.6	53.5	51.5
08/16/02	19:45	52.2	53	51.5
08/16/02	19:50	52.7	53.5	51.5
08/16/02	19:55	52.4	53	51.5
08/16/02	20:00	52.4	53	51.5
08/16/02	20:05	52.5	53	51.5
08/16/02	20:10	52.4	52.5	51.5
08/16/02	20:15	53.3	53.5	52
08/16/02	20:20	52.5	53	51.5
08/16/02	20:25	52.4	53	51.5
08/16/02	20:30	52.8	53.5	52
08/16/02	20:35	52.7	53	52
08/16/02	20:40	53	53.5	52
08/16/02	20:45	52.9	53	52
08/16/02	20:50	53	53.5	52.5
08/16/02	20:55	53.7	54.5	52.5
08/16/02	21:00	52.9	53.5	52
08/16/02	21:05	53.3	54	51.5
08/16/02	21:10	55.5	56	52
08/16/02	21:15	53.6	55	52
08/16/02	21:20	53.4	53.5	52.5
08/16/02	21:25	53.1	53.5	52.5
08/16/02	21:30	53.3	54	52.5
08/16/02	21:35	53.4	54	52.5
08/16/02	21:40	53	53.5	52
08/16/02	21:45	52.6	53	51.5
08/16/02	21:50	53.1	53.5	52
08/16/02	21:55	52.9	53.5	52
08/16/02	22:00	53.2	54	52
08/16/02	22:05	53.5	54	52.5
08/16/02	22:10	53.2	53.5	52
08/16/02	22:15	53.4	53.5	52
08/16/02	22:20	53.1	54	52
08/16/02	22:25	53.7	54	52
08/16/02	22:30	54.4	54.5	52
08/16/02	22:35	53.5	54	52
08/16/02	22:40	53.6	54	52
08/16/02	22:45	52.8	53	52
08/16/02	22:50	54.5	55	52
08/16/02	22:55	52.7	53	52
	Mean	53.1	53.7	51.8
	Maximum	55.5	56.0	52.5
	Minimum	51.8	52.5	50.5

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	19:00	51.1	51.5	50
08/17/02	19:05	51.2	52	50.5
08/17/02	19:10	52	52.5	51
08/17/02	19:15	52.3	53	51
08/17/02	19:20	52.2	52.5	51
08/17/02	19:25	52.6	53	51.5
08/17/02	19:30	52.3	53	51
08/17/02	19:35	52.3	53	51.5
08/17/02	19:40	52.1	52.5	51
08/17/02	19:45	52.4	53.5	51
08/17/02	19:50	52.2	52.5	51
08/17/02	19:55	52.1	52.5	51
08/17/02	20:00	52.3	53	51
08/17/02	20:05	52.6	53	51.5
08/17/02	20:10	52.7	53	51.5
08/17/02	20:15	52.2	52.5	51.5
08/17/02	20:20	52.7	54	51.5
08/17/02	20:25	52.5	53	51.5
08/17/02	20:30	52.1	52.5	51.5
08/17/02	20:35	52.1	53	51
08/17/02	20:40	52.6	53.5	51.5
08/17/02	20:45	52.8	53.5	51.5
08/17/02	20:50	53.2	54.5	51.5
08/17/02	20:55	52.9	53.5	52
08/17/02	21:00	52.5	53	51.5
08/17/02	21:05	52.6	53.5	51.5
08/17/02	21:10	53.3	54.5	52
08/17/02	21:15	53.3	54.5	51.5
08/17/02	21:20	52.3	53	51.5
08/17/02	21:25	52.2	52.5	51.5
08/17/02	21:30	52.5	53	51.5
08/17/02	21:35	52.4	53	51.5
08/17/02	21:40	52.1	53	51
08/17/02	21:45	52.3	53	51
08/17/02	21:50	52.4	53	51.5
08/17/02	21:55	52.5	53.5	51
08/17/02	22:00	51.8	52.5	50.5
08/17/02	22:05	51.7	52.5	50.5
08/17/02	22:10	51.6	52.5	50.5
08/17/02	22:15	52	52.5	51
08/17/02	22:20	51.7	52	51
08/17/02	22:25	52.3	53	51.5
08/17/02	22:30	52.5	53	51.5
08/17/02	22:35	52.1	52.5	51
08/17/02	22:40	52.9	54	51.5
08/17/02	22:45	52.3	53	51.5
08/17/02	22:50	51.9	52.5	51
08/17/02	22:55	51.6	52	50.5
	Mean	52.3	53.0	51.2
	Maximum	53.3	54.5	52.0
	Minimum	51.1	51.5	50.0

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	19:00	52.7	53.5	52
08/20/02	19:05	52.7	53	51.5
08/20/02	19:10	53.1	53.5	52
08/20/02	19:15	52.9	53.5	52
08/20/02	19:20	53.2	53.5	52.5
08/20/02	19:25	55.3	56	54
08/20/02	19:30	56.2	57	55
08/20/02	19:35	57.4	57.5	56.5
08/20/02	19:40	56.9	57.5	56
08/20/02	19:45	56.3	57	54.5
08/20/02	19:50	56.8	57.5	56
08/20/02	19:55	57.6	58	57
08/20/02	20:00	58	58.5	57
08/20/02	20:05	57.6	58	57
08/20/02	20:10	57.6	58	57
08/20/02	20:15	57.1	57.5	55.5
08/20/02	20:20	55.9	56.5	55
08/20/02	20:25	56.3	56.5	55.5
08/20/02	20:30	56.3	57	55.5
08/20/02	20:35	56.2	56.5	55.5
08/20/02	20:40	56.1	56.5	55.5
08/20/02	20:45	55.8	56.5	55
08/20/02	20:50	56.4	57	55.5
08/20/02	20:55	57.1	57.5	56
08/20/02	21:00	57.9	60	56
08/20/02	21:05	57.2	58	56
08/20/02	21:10	57.6	59	56
08/20/02	21:15	57.1	58	55.5
08/20/02	21:20	55.9	56.5	55
08/20/02	21:25	55.7	56	55
08/20/02	21:30	55.5	56	54.5
08/20/02	21:35	55.1	55.5	54.5
08/20/02	21:40	55.4	56	54.5
08/20/02	21:45	55.2	55.5	54.5
08/20/02	21:50	55.4	55.5	54.5
08/20/02	21:55	54.7	55.5	53.5
08/20/02	22:00	54.2	55	53
08/20/02	22:05	54.7	56	53
08/20/02	22:10	54.3	54.5	53
08/20/02	22:15	55.4	56	54
08/20/02	22:20	54	54.5	53
08/20/02	22:25	54.1	54.5	53
08/20/02	22:30	54.3	55.5	53
08/20/02	22:35	56.3	58	54
08/20/02	22:40	55.5	56	54.5
08/20/02	22:45	54.4	55.5	53
08/20/02	22:50	54	54.5	52.5
08/20/02	22:55	53.2	53.5	52.5
	Mean	55.8	56.5	54.8
	Maximum	58.0	60.0	57.0
	Minimum	52.7	53.0	51.5

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	19:00	53.8	54	51.5
08/21/02	19:05	52.4	52.5	51.5
08/21/02	19:10	53.9	56	51.5
08/21/02	19:15	52.3	52.5	51.5
08/21/02	19:20	52.9	53.5	52
08/21/02	19:25	54.6	56	52.5
08/21/02	19:30	54.2	56	52.5
08/21/02	19:35	55.9	58	53
08/21/02	19:40	55.1	57.5	52.5
08/21/02	19:45	56.6	59	53
08/21/02	19:50	55.9	57.5	53
08/21/02	19:55	56.4	57.5	54.5
08/21/02	20:00	56.5	58	54.5
08/21/02	20:05	57	58	55
08/21/02	20:10	56.3	58	54
08/21/02	20:15	56.5	58	54.5
08/21/02	20:20	56.5	58	54.5
08/21/02	20:25	57.3	59	55
08/21/02	20:30	58.1	59.5	55.5
08/21/02	20:35	58.4	60	55.5
08/21/02	20:40	56	58.5	53.5
08/21/02	20:45	57.1	58.5	55
08/21/02	20:50	57.2	59	55
08/21/02	20:55	56.3	58.5	53.5
08/21/02	21:00	57.2	59	55
08/21/02	21:05	56.7	58.5	54.5
08/21/02	21:10	58	60	55.5
08/21/02	21:15	57.4	59.5	54.5
08/21/02	21:20	57.2	59.5	54.5
08/21/02	21:25	56.3	59	53.5
08/21/02	21:30	57.2	59.5	54.5
08/21/02	21:35	57.4	59.5	54.5
08/21/02	21:40	56.4	58.5	54
08/21/02	21:45	57.1	58.5	54
08/21/02	21:50	56	58	53.5
08/21/02	21:55	56.3	58.5	54
08/21/02	22:00	56.1	58.5	53.5
08/21/02	22:05	54.8	57	52.5
08/21/02	22:10	54.5	56.5	52.5
08/21/02	22:15	56.2	58.5	53.5
08/21/02	22:20	55.8	58	53
08/21/02	22:25	56.3	58.5	53.5
08/21/02	22:30	56.4	58.5	53.5
08/21/02	22:35	56.4	58.5	53.5
08/21/02	22:40	56.4	58.5	53.5
08/21/02	22:45	56.5	58.5	53.5
08/21/02	22:50	55.9	58	52.5
08/21/02	22:55	55.6	58	52.5
	Mean	56.3	58.1	53.8
	Maximum	58.4	60.0	55.5
	Minimum	52.3	52.5	51.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	19:00	51.4	52	50.5
08/22/02	19:05	51.3	52	50.5
08/22/02	19:10	52.8	55	50.5
08/22/02	19:15	52.2	52.5	51
08/22/02	19:20	52.4	53	51.5
08/22/02	19:25	53.8	56	52
08/22/02	19:30	53.3	54	52
08/22/02	19:35	55.9	58.5	53
08/22/02	19:40	56.5	58.5	54
08/22/02	19:45	57.4	59.5	54.5
08/22/02	19:50	57.5	59.5	54
08/22/02	19:55	58.2	60	55.5
08/22/02	20:00	58.6	60.5	56
08/22/02	20:05	58.8	60.5	56.5
08/22/02	20:10	58.7	60.5	56
08/22/02	20:15	58.6	60.5	56
08/22/02	20:20	58.7	60.5	55.5
08/22/02	20:25	58.4	60.5	55.5
08/22/02	20:30	58	60	55
08/22/02	20:35	57.6	60	54
08/22/02	20:40	58.1	60	55.5
08/22/02	20:45	57.9	60.5	54.5
08/22/02	20:50	58.1	60.5	55
08/22/02	20:55	58.4	60.5	55
08/22/02	21:00	58.3	60.5	55
08/22/02	21:05	57.5	60	54.5
08/22/02	21:10	56.9	59.5	54
08/22/02	21:15	58.6	61	55
08/22/02	21:20	57.3	60	54
08/22/02	21:25	56.3	58.5	54
08/22/02	21:30	56.3	58.5	54
08/22/02	21:35	56.6	58.5	54
08/22/02	21:40	57.8	59.5	55
08/22/02	21:45	57.6	59.5	55
08/22/02	21:50	57.2	59	54.5
08/22/02	21:55	57.4	59	55.5
08/22/02	22:00	57.2	59	55
08/22/02	22:05	57	59	54.5
08/22/02	22:10	55.8	57.5	54
08/22/02	22:15	54.9	55.5	53.5
08/22/02	22:20	54.4	55	53
08/22/02	22:25	54.2	54.5	53
08/22/02	22:30	55	56	53.5
08/22/02	22:35	54.5	55	53.5
08/22/02	22:40	55.3	56	53.5
08/22/02	22:45	55.1	56	53
08/22/02	22:50	54.6	55.5	52
08/22/02	22:55	54.8	55.5	53
	Mean	56.7	58.6	54.2
	Maximum	58.8	61.0	56.5
	Minimum	51.3	52.0	50.5

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	19:00	53.9	54.5	52
08/23/02	19:05	52.6	53	51.5
08/23/02	19:10	52.6	53	52
08/23/02	19:15	53.1	53.5	52
08/23/02	19:20	54.3	55	52.5
08/23/02	19:25	53.1	53.5	52.5
08/23/02	19:30	53.3	53.5	52.5
08/23/02	19:35	54.8	56	52.5
08/23/02	19:40	54.2	55	53
08/23/02	19:45	55.3	56	54
08/23/02	19:50	54.8	56	53
08/23/02	19:55	55.7	56	53.5
08/23/02	20:00	55.6	57	53.5
08/23/02	20:05	55.8	56	53.5
08/23/02	20:10	54.6	55	53.5
08/23/02	20:15	54.2	55	53
08/23/02	20:20	54	54.5	52.5
08/23/02	20:25	55.8	56.5	54
08/23/02	20:30	56	57.5	54.5
08/23/02	20:35	56	57.5	54
08/23/02	20:40	54.1	54.5	53
08/23/02	20:45	54.2	55	53
08/23/02	20:50	54.5	55	53.5
08/23/02	20:55	55	56	53.5
08/23/02	21:00	53.9	54.5	53
08/23/02	21:05	54.3	55	53
08/23/02	21:10	54.3	55	53
08/23/02	21:15	53.4	54	52.5
08/23/02	21:20	53.4	54	52.5
08/23/02	21:25	53.3	54	52.5
08/23/02	21:30	53.8	54.5	53
08/23/02	21:35	54.1	54.5	53
08/23/02	21:40	54.6	55.5	53.5
08/23/02	21:45	55.2	55.5	53
08/23/02	21:50	54.1	55	52.5
08/23/02	21:55	53.4	54	52.5
08/23/02	22:00	53.1	53.5	52
08/23/02	22:05	54.7	56	52.5
08/23/02	22:10	55.9	57	54.5
08/23/02	22:15	55.7	56.5	53.5
08/23/02	22:20	54.3	55	53
08/23/02	22:25	58.3	59.5	53
08/23/02	22:30	57.8	59	54
08/23/02	22:35	54.9	55.5	52.5
08/23/02	22:40	57.4	59	54
08/23/02	22:45	56.8	58.5	54
08/23/02	22:50	53.7	55	52
08/23/02	22:55	53.9	55	52.5
	Mean	54.8	55.7	53.1
	Maximum	58.3	59.5	54.5
	Minimum	52.6	53.0	51.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	19:00	52.8	53.5	51.5
08/24/02	19:05	52.9	53.5	52
08/24/02	19:10	53.1	53.5	52
08/24/02	19:15	53.4	54	52.5
08/24/02	19:20	54	55	52.5
08/24/02	19:25	54.7	56	53
08/24/02	19:30	54	54.5	53
08/24/02	19:35	54.1	54.5	53
08/24/02	19:40	54.3	54.5	53.5
08/24/02	19:45	54.7	55.5	53.5
08/24/02	19:50	54.4	55	53.5
08/24/02	19:55	54.3	55	53
08/24/02	20:00	54.5	55	53.5
08/24/02	20:05	54.3	55	53.5
08/24/02	20:10	54.9	55	54
08/24/02	20:15	55.3	56	54
08/24/02	20:20	54.6	55	53.5
08/24/02	20:25	54.4	55	53.5
08/24/02	20:30	54.6	55	53.5
08/24/02	20:35	55.2	56	54
08/24/02	20:40	54.7	55.5	53.5
08/24/02	20:45	54.3	54.5	53.5
08/24/02	20:50	53.8	54.5	53
08/24/02	20:55	53.9	54.5	53
08/24/02	21:00	53.8	54.5	53
08/24/02	21:05	54.5	55.5	53
08/24/02	21:10	54	54.5	53
08/24/02	21:15	54.6	55	53
08/24/02	21:20	53.6	54.5	52.5
08/24/02	21:25	53.5	54	52.5
08/24/02	21:30	53.4	54	52.5
08/24/02	21:35	55.2	56	53
08/24/02	21:40	54.2	55	53
08/24/02	21:45	54.3	55	53.5
08/24/02	21:50	55.1	55.5	54
08/24/02	21:55	54.3	55	53
08/24/02	22:00	54.5	55.5	53
08/24/02	22:05	56.3	57	55
08/24/02	22:10	56.8	57	56
08/24/02	22:15	56.9	57.5	56
08/24/02	22:20	56.1	56.5	55.5
08/24/02	22:25	56.6	57	56
08/24/02	22:30	57.1	57.5	56.5
08/24/02	22:35	57.4	58	56.5
08/24/02	22:40	57.6	58	57
08/24/02	22:45	57.6	58	56.5
08/24/02	22:50	57.4	58.5	55
08/24/02	22:55	57.5	58	56.5
	Mean	55.1	55.7	54.0
	Maximum	57.6	58.5	57.0
	Minimum	52.8	53.5	51.5

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	7:00	54	55.5	50.5
08/25/02	7:05	55.3	58.5	50.5
08/25/02	7:10	54.2	56.5	51.5
08/25/02	7:15	55.2	57.5	51.5
08/25/02	7:20	55.9	58.5	52
08/25/02	7:25	58.2	60.5	55
08/25/02	7:30	57.5	59	54.5
08/25/02	7:35	56	58	52.5
08/25/02	7:40	55.7	57	52
08/25/02	7:45	56.1	56.5	52
08/25/02	7:50	55.6	57.5	52.5
08/25/02	7:55	53.9	55.5	51
08/25/02	8:00	54	55.5	51.5
08/25/02	8:05	56.1	57.5	52
08/25/02	8:10	53.8	55.5	51.5
08/25/02	8:15	53.9	57	52
08/25/02	8:20	53.3	54	51.5
08/25/02	8:25	54.8	57	52.5
08/25/02	8:30	54.9	56	52.5
08/25/02	8:35	55.3	57	53
08/25/02	8:40	54.4	55.5	53
08/25/02	8:45	56	58	53.5
08/25/02	8:50	55	56	53
08/25/02	8:55	55.5	57.5	53
08/25/02	9:00	55.6	57.5	53.5
08/25/02	9:05	54.5	56	52.5
08/25/02	9:10	54.1	55	52.5
08/25/02	9:15	54.8	56	53
08/25/02	9:20	54.5	55.5	53
08/25/02	9:25	54.8	56	53.5
08/25/02	9:30	55.6	56.5	54
08/25/02	9:35	55.3	56.5	53.5
08/25/02	9:40	54.8	56	53
08/25/02	9:45	54.7	55.5	53.5
08/25/02	9:50	54.1	55	53
08/25/02	9:55	54.6	55.5	53.5
08/25/02	10:00	55.8	56.5	53.5
08/25/02	10:05	55	56.5	52.5
08/25/02	10:10	53.8	55	52.5
08/25/02	10:15	54.8	57	53
08/25/02	10:20	56	57.5	54
08/25/02	10:25	54.8	55.5	53.5
08/25/02	10:30	54.2	55	53
08/25/02	10:35	54	55	52.5
08/25/02	10:40	54.5	55.5	53
08/25/02	10:45	54.6	56.5	52.5
08/25/02	10:50	55.2	56	53
08/25/02	10:55	54.5	56	52.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	11:00	56.5	58.5	53.5
08/25/02	11:05	58.2	60	54.5
08/25/02	11:10	57.9	59	55
08/25/02	11:15	57.5	59.5	54.5
08/25/02	11:20	58.7	62	53.5
08/25/02	11:25	60	63	55
08/25/02	11:30	55.2	57	53
08/25/02	11:35	54.3	55	52.5
08/25/02	11:40	52.6	53.5	51.5
08/25/02	11:45	53.1	54	52
08/25/02	11:50	52.2	52.5	51
08/25/02	11:55	52.8	53.5	51.5
08/25/02	12:00	53.5	55	52
08/25/02	12:05	52.4	53	51.5
08/25/02	12:10	52.6	53.5	51.5
08/25/02	12:15	52.2	53	51
08/25/02	12:20	55.6	59	51.5
08/25/02	12:25	53.9	56	51.5
08/25/02	12:30	52	52.5	51
08/25/02	12:35	52	52.5	51
08/25/02	12:40	52.2	53	51
08/25/02	12:45	52	52.5	51
08/25/02	12:50	52.1	53	51
08/25/02	12:55	52.4	53	51.5
08/25/02	13:00	52.6	53.5	51.5
08/25/02	13:05	51.9	53	50.5
08/25/02	13:10	52.8	54.5	51
08/25/02	13:15	52.2	53	51
08/25/02	13:20	52.8	54	51.5
08/25/02	13:25	52.3	53	51
08/25/02	13:30	52.4	53	51.5
08/25/02	13:35	52.3	53	51
08/25/02	13:40	54.3	56	52
08/25/02	13:45	53.9	55.5	52
08/25/02	13:50	52.8	53.5	51.5
08/25/02	13:55	54	57	51.5
08/25/02	14:00	53.6	54	52.5
08/25/02	14:05	54.6	56.5	52
08/25/02	14:10	54	55.5	52.5
08/25/02	14:15	54.9	58	52.5
08/25/02	14:20	55.1	56.5	52.5
08/25/02	14:25	54.5	55.5	52.5
08/25/02	14:30	53.3	54	52
08/25/02	14:35	53.2	54	52
08/25/02	14:40	54.2	56	52.5
08/25/02	14:45	53.4	54.5	52
08/25/02	14:50	55.7	58	52.5
08/25/02	14:55	55.2	56.5	53

Location BMIN :Lo Wu Public School
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	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	15:00	55.9	57.5	53.5
08/25/02	15:05	57.5	59	53.5
08/25/02	15:10	54.4	55	53
08/25/02	15:15	55.2	56.5	53
08/25/02	15:20	54.2	55	53
08/25/02	15:25	63.5	68.5	53.5
08/25/02	15:30	65	70	54.5
08/25/02	15:35	62.6	66.5	54.5
08/25/02	15:40	59.5	64	53
08/25/02	15:45	61.5	65.5	54.5
08/25/02	15:50	60.3	64.5	53.5
08/25/02	15:55	58.1	61	53.5
08/25/02	16:00	56	57.5	53.5
08/25/02	16:05	55.7	57	53.5
08/25/02	16:10	54.3	55.5	53
08/25/02	16:15	55.3	57	53
08/25/02	16:20	55.8	58	53.5
08/25/02	16:25	54.8	56	53
08/25/02	16:30	57.5	60	54.5
08/25/02	16:35	57.7	59	54.5
08/25/02	16:40	58.2	60.5	54.5
08/25/02	16:45	57.2	58.5	54
08/25/02	16:50	59.4	61.5	56
08/25/02	16:55	58.3	60.5	54
08/25/02	17:00	59.1	61	55
08/25/02	17:05	56.9	59	53.5
08/25/02	17:10	56.5	58	53.5
08/25/02	17:15	56.6	58.5	54
08/25/02	17:20	57.2	59.5	54
08/25/02	17:25	55.6	56.5	53.5
08/25/02	17:30	55.7	57.5	53.5
08/25/02	17:35	57.7	59.5	55
08/25/02	17:40	56.7	58.5	53.5
08/25/02	17:45	55.5	57	53.5
08/25/02	17:50	55.2	56	53
08/25/02	17:55	54.3	55.5	52.5
08/25/02	18:00	54.9	56.5	52.5
08/25/02	18:05	53.1	54	52
08/25/02	18:10	54.3	56	52
08/25/02	18:15	55.4	57	52.5
08/25/02	18:20	54.7	56	52
08/25/02	18:25	56.6	58	54.5
08/25/02	18:30	56.8	59	53.5
08/25/02	18:35	53.9	57.5	51
08/25/02	18:40	55.7	60	51.5
08/25/02	18:45	55.1	58.5	51
08/25/02	18:50	52.3	53.5	50.5
08/25/02	18:55	54	57.5	50.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	19:00	51.5	52	50.5
08/25/02	19:05	51.7	52.5	50.5
08/25/02	19:10	52.7	53.5	51.5
08/25/02	19:15	52.7	53	52
08/25/02	19:20	53.1	53.5	52
08/25/02	19:25	53.4	54	52.5
08/25/02	19:30	53.9	54.5	53
08/25/02	19:35	53.5	54	52.5
08/25/02	19:40	53.6	54	52.5
08/25/02	19:45	53.6	54	52.5
08/25/02	19:50	54.4	54.5	53
08/25/02	19:55	53.8	54.5	52.5
08/25/02	20:00	54.2	55.5	53
08/25/02	20:05	59.8	65	53
08/25/02	20:10	63.4	68	54
08/25/02	20:15	62.9	68	53
08/25/02	20:20	53.7	54.5	53
08/25/02	20:25	53.6	54	52.5
08/25/02	20:30	53.6	54	53
08/25/02	20:35	53.7	54	53
08/25/02	20:40	53.7	54	53
08/25/02	20:45	53.6	54	52.5
08/25/02	20:50	53.2	53.5	52
08/25/02	20:55	53.4	54	52.5
08/25/02	21:00	53.3	54	52.5
08/25/02	21:05	53.5	54	52.5
08/25/02	21:10	53.9	54.5	53
08/25/02	21:15	53.7	54	53
08/25/02	21:20	54.1	54.5	53
08/25/02	21:25	53.8	54	53
08/25/02	21:30	54.1	55	53
08/25/02	21:35	54.7	55	53.5
08/25/02	21:40	54.5	55.5	53.5
08/25/02	21:45	54.2	54.5	53.5
08/25/02	21:50	53.9	54.5	53
08/25/02	21:55	54	54.5	53
08/25/02	22:00	53.9	54.5	53
08/25/02	22:05	53.5	54	52.5
08/25/02	22:10	53.3	53.5	52.5
08/25/02	22:15	53.3	54	52.5
08/25/02	22:20	52.9	53.5	52
08/25/02	22:25	52.6	53	52
08/25/02	22:30	52.8	53	52
08/25/02	22:35	52.8	53	52
08/25/02	22:40	52.4	53	51.5
08/25/02	22:45	52.5	53	51.5
08/25/02	22:50	52.4	53	51.5
08/25/02	22:55	51.6	52	51
	Mean	55.7	58.2	52.8
	Maximum	65.0	70.0	56.0
	Minimum	51.5	52.0	50.5

Location BMIN :Lo Wu Public School
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	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	19:00:00	53.4	54.0	52.5
08/26/02	19:05:00	52.7	53.5	51.5
08/26/02	19:10:00	53.6	54.0	53.0
08/26/02	19:15:00	53.9	54.5	53.0
08/26/02	19:20:00	54.2	55.0	53.5
08/26/02	19:25:00	54.4	55.0	53.5
08/26/02	19:30:00	53.8	54.5	53.0
08/26/02	19:35:00	54.0	54.5	53.0
08/26/02	19:40:00	54.1	54.5	53.0
08/26/02	19:45:00	54.3	55.0	53.5
08/26/02	19:50:00	54.0	54.5	53.0
08/26/02	19:55:00	54.3	54.5	53.5
08/26/02	20:00:00	54.0	54.5	53.0
08/26/02	20:05:00	54.0	54.5	53.0
08/26/02	20:10:00	53.9	55.0	53.0
08/26/02	20:15:00	53.5	54.0	52.5
08/26/02	20:20:00	53.3	54.0	52.5
08/26/02	20:25:00	53.5	54.0	52.5
08/26/02	20:30:00	53.3	54.0	52.5
08/26/02	20:35:00	53.9	54.5	53.0
08/26/02	20:40:00	54.1	55.0	53.0
08/26/02	20:45:00	54.8	55.0	53.5
08/26/02	20:50:00	54.1	54.5	53.0
08/26/02	20:55:00	54.8	55.5	53.5
08/26/02	21:00:00	54.1	54.5	53.0
08/26/02	21:05:00	53.4	54.0	52.5
08/26/02	21:10:00	53.7	54.0	52.5
08/26/02	21:15:00	54.4	55.0	53.5
08/26/02	21:20:00	54.5	55.5	53.5
08/26/02	21:25:00	54.3	55.0	53.0
08/26/02	21:30:00	54.3	54.5	53.0
08/26/02	21:35:00	54.6	55.0	53.5
08/26/02	21:40:00	54.3	55.0	53.0
08/26/02	21:45:00	54.3	55.0	53.0
08/26/02	21:50:00	54.6	55.0	52.5
08/26/02	21:55:00	54.0	54.5	52.5
08/26/02	22:00:00	54.8	55.0	53.0
08/26/02	22:05:00	54.2	54.5	53.0
08/26/02	22:10:00	53.6	54.0	52.5
08/26/02	22:15:00	54.0	54.5	52.5
08/26/02	22:20:00	54.2	55.0	52.0
08/26/02	22:25:00	54.4	55.0	52.5
08/26/02	22:30:00	54.9	55.5	53.0
08/26/02	22:35:00	55.7	57.5	53.0
08/26/02	22:40:00	52.9	53.5	52.0
08/26/02	22:45:00	56.1	56.5	54.5
08/26/02	22:50:00	56.5	57.0	55.5
08/26/02	22:55:00	57.1	58.5	55.5
	Mean	54.3	54.9	53.1
	Maximum	57.1	58.5	55.5
	Minimum	52.7	53.5	51.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	19:00:00	53.8	54.0	52.5
08/27/02	19:05:00	53.3	54.5	52.0
08/27/02	19:10:00	54.5	55.5	52.5
08/27/02	19:15:00	56.7	59.0	54.0
08/27/02	19:20:00	56.9	59.5	53.5
08/27/02	19:25:00	56.9	59.5	54.0
08/27/02	19:30:00	56.3	58.0	53.0
08/27/02	19:35:00	54.4	55.5	53.0
08/27/02	19:40:00	54.3	55.5	52.5
08/27/02	19:45:00	54.9	56.0	53.5
08/27/02	19:50:00	54.7	55.5	53.5
08/27/02	19:55:00	55.8	57.0	54.0
08/27/02	20:00:00	56.8	58.5	54.0
08/27/02	20:05:00	58.8	62.5	54.5
08/27/02	20:10:00	55.5	56.5	54.0
08/27/02	20:15:00	54.3	55.5	52.5
08/27/02	20:20:00	53.9	54.5	52.5
08/27/02	20:25:00	54.3	55.0	53.0
08/27/02	20:30:00	54.6	55.5	53.5
08/27/02	20:35:00	53.7	54.5	53.0
08/27/02	20:40:00	54.1	54.5	53.0
08/27/02	20:45:00	58.0	61.5	53.5
08/27/02	20:50:00	53.4	54.0	52.0
08/27/02	20:55:00	53.0	53.5	52.0
08/27/02	21:00:00	53.2	53.5	52.5
08/27/02	21:05:00	53.2	54.0	52.0
08/27/02	21:10:00	53.4	54.0	52.5
08/27/02	21:15:00	53.6	54.5	52.5
08/27/02	21:20:00	53.4	54.0	52.5
08/27/02	21:25:00	53.6	54.0	52.5
08/27/02	21:30:00	53.2	53.5	52.5
08/27/02	21:35:00	53.6	54.0	52.5
08/27/02	21:40:00	54.0	54.5	53.0
08/27/02	21:45:00	53.6	54.0	52.5
08/27/02	21:50:00	53.0	53.5	52.0
08/27/02	21:55:00	53.0	53.5	52.0
08/27/02	22:00:00	53.1	53.5	52.5
08/27/02	22:05:00	53.3	54.0	52.5
08/27/02	22:10:00	53.1	53.5	52.0
08/27/02	22:15:00	52.8	53.0	52.0
08/27/02	22:20:00	54.5	55.5	52.5
08/27/02	22:25:00	55.1	56.0	53.5
08/27/02	22:30:00	54.2	54.5	53.5
08/27/02	22:35:00	56.0	56.5	53.0
08/27/02	22:40:00	53.8	54.5	52.5
08/27/02	22:45:00	54.1	54.5	53.0
08/27/02	22:50:00	53.3	54.0	52.5
08/27/02	22:55:00	53.0	53.5	52.0
	Mean	54.6	56.0	52.9
	Maximum	58.8	62.5	54.5
	Minimum	52.8	53.0	52.0

Location BMIN :Lo Wu Public School
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	19:00:00	59.4	61.0	55.0
08/28/02	19:05:00	58.1	59.5	56.5
08/28/02	19:10:00	55.6	58.5	53.0
08/28/02	19:15:00	54.9	55.5	54.0
08/28/02	19:20:00	55.0	55.5	54.0
08/28/02	19:25:00	57.0	58.5	54.5
08/28/02	19:30:00	55.0	55.5	54.0
08/28/02	19:35:00	55.1	55.5	54.0
08/28/02	19:40:00	57.8	60.0	54.5
08/28/02	19:45:00	54.5	55.0	53.5
08/28/02	19:50:00	56.3	57.5	54.0
08/28/02	19:55:00	57.5	60.5	53.0
08/28/02	20:00:00	59.0	63.0	53.5
08/28/02	20:05:00	53.9	54.5	52.5
08/28/02	20:10:00	54.0	54.5	53.0
08/28/02	20:15:00	53.7	54.5	52.0
08/28/02	20:20:00	55.8	58.5	52.0
08/28/02	20:25:00	56.3	59.5	52.0
08/28/02	20:30:00	55.4	57.5	51.5
08/28/02	20:35:00	53.1	54.0	51.5
08/28/02	20:40:00	55.1	56.5	52.5
08/28/02	20:45:00	55.8	58.0	53.0
08/28/02	20:50:00	56.7	59.5	53.5
08/28/02	20:55:00	55.1	55.5	52.5
08/28/02	21:00:00	54.5	55.0	53.0
08/28/02	21:05:00	55.4	57.0	53.5
08/28/02	21:10:00	55.3	57.0	53.0
08/28/02	21:15:00	56.2	58.5	53.0
08/28/02	21:20:00	56.7	59.0	53.5
08/28/02	21:25:00	56.3	58.5	53.0
08/28/02	21:30:00	53.6	54.0	52.5
08/28/02	21:35:00	53.9	54.5	53.0
08/28/02	21:40:00	54.7	56.0	52.5
08/28/02	21:45:00	56.0	58.5	53.0
08/28/02	21:50:00	54.0	54.5	52.5
08/28/02	21:55:00	53.5	54.0	52.5
08/28/02	22:00:00	53.7	54.5	52.5
08/28/02	22:05:00	54.5	55.5	53.0
08/28/02	22:10:00	55.2	57.0	53.0
08/28/02	22:15:00	54.0	55.0	52.5
08/28/02	22:20:00	55.4	58.0	53.0
08/28/02	22:25:00	54.5	55.5	52.0
08/28/02	22:30:00	54.6	56.0	52.5
08/28/02	22:35:00	53.3	53.5	52.0
08/28/02	22:40:00	53.0	53.5	52.0
08/28/02	22:45:00	53.0	53.5	52.0
08/28/02	22:50:00	53.8	54.5	52.0
08/28/02	22:55:00	53.4	54.0	52.5
	Mean	55.5	57.2	53.1
	Maximum	59.4	63.0	56.5
	Minimum	53.0	53.5	51.5

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/15/02	19:00	51.7	52.3	49.2
08/15/02	19:05	51.5	52	49.2
08/15/02	19:10	56.4	57	49.3
08/15/02	19:15	50.3	51.1	49.3
08/15/02	19:20	50.6	51.9	49.3
08/15/02	19:25	50.9	51.6	49.4
08/15/02	19:30	50.5	51.1	49.8
08/15/02	19:35	50.4	51	49.7
08/15/02	19:40	51.3	52.1	50.5
08/15/02	19:45	51	51.6	50.3
08/15/02	19:50	51.8	52.2	51
08/15/02	19:55	51.4	51.9	50.7
08/15/02	20:00	52.8	55.2	50.7
08/15/02	20:05	51.5	52.2	50.8
08/15/02	20:10	56.7	62.2	51
08/15/02	20:15	52.7	53	51.1
08/15/02	20:20	52	52.6	51.3
08/15/02	20:25	53.6	56.5	51
08/15/02	20:30	51.8	52.3	51
08/15/02	20:35	56.1	60.9	51.2
08/15/02	20:40	61.4	67.2	51.4
08/15/02	20:45	63.2	68	51.3
08/15/02	20:50	64.5	68.1	51.7
08/15/02	20:55	63.6	67.7	51
08/15/02	21:00	63.8	67.3	51.7
08/15/02	21:05	62.7	66.8	51.2
08/15/02	21:10	59.7	64.8	50.9
08/15/02	21:15	62.5	66.5	51.1
08/15/02	21:20	61.6	66.2	51
08/15/02	21:25	54.7	55	50.9
08/15/02	21:30	62.7	66.6	51
08/15/02	21:35	62.7	66.8	50.9
08/15/02	21:40	61.7	66.4	50.9
08/15/02	21:45	62.7	67	50.9
08/15/02	21:50	60.7	65.8	50.9
08/15/02	21:55	62	66.5	51.1
08/15/02	22:00	59.4	65	50.9
08/15/02	22:05	58.8	64.6	50.9
08/15/02	22:10	60.1	65.5	50.5
08/15/02	22:15	63.6	68	50.9
08/15/02	22:20	65.4	68.8	52.9
08/15/02	22:25	66.4	69	61.8
08/15/02	22:30	66.2	68.9	60.7
08/15/02	22:35	66.4	69.1	60.9
08/15/02	22:40	66.2	69.1	58
08/15/02	22:45	65.9	69.1	56.5
08/15/02	22:50	66	69.3	57.1
08/15/02	22:55	66.2	69.4	56.6
	Mean	61.5	65.2	53.6
	Maximum	66.4	69.4	61.8
	Minimum	50.3	51.0	49.2

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/16/02	19:00	55.8	58.2	54.3
08/16/02	19:05	56	58.9	54.3
08/16/02	19:10	55.4	56	54.3
08/16/02	19:15	54.9	55.4	54.4
08/16/02	19:20	57.2	61.2	54.5
08/16/02	19:25	54.7	55.1	54.2
08/16/02	19:30	54.6	55.2	54.1
08/16/02	19:35	54.6	55	54.1
08/16/02	19:40	56	59.3	54.2
08/16/02	19:45	54.8	55.2	54.3
08/16/02	19:50	55	55.3	54.3
08/16/02	19:55	55	55.4	54.4
08/16/02	20:00	55	55.4	54.5
08/16/02	20:05	55.3	55.6	54.6
08/16/02	20:10	55.1	55.5	54.6
08/16/02	20:15	55.1	55.5	54.6
08/16/02	20:20	55.3	55.6	54.6
08/16/02	20:25	54.9	55.4	54.4
08/16/02	20:30	55	55.4	54.6
08/16/02	20:35	54.8	55.2	54.3
08/16/02	20:40	54.7	55.1	54.3
08/16/02	20:45	54.8	55.1	54.3
08/16/02	20:50	55.2	55.7	54.5
08/16/02	20:55	54.9	55.4	54.5
08/16/02	21:00	55.4	55.9	54.9
08/16/02	21:05	55.4	55.8	54.9
08/16/02	21:10	55.8	56.5	54.8
08/16/02	21:15	55.4	56	54.9
08/16/02	21:20	55.3	55.8	54.9
08/16/02	21:25	55.4	55.8	54.8
08/16/02	21:30	55.3	55.8	54.8
08/16/02	21:35	55.6	55.9	54.8
08/16/02	21:40	55.3	55.8	54.7
08/16/02	21:45	55.3	55.4	54.5
08/16/02	21:50	55.2	55.4	54.4
08/16/02	21:55	55.3	55.5	54.5
08/16/02	22:00	55.2	55.4	54.5
08/16/02	22:05	55.3	56	54.4
08/16/02	22:10	54.9	55.3	54.5
08/16/02	22:15	55	55.4	54.6
08/16/02	22:20	56.9	59.9	54.8
08/16/02	22:25	57	60.1	54.5
08/16/02	22:30	54.5	54.9	54.1
08/16/02	22:35	58.1	61.9	54.1
08/16/02	22:40	58.6	62.2	54.3
08/16/02	22:45	57.7	61.7	54.3
08/16/02	22:50	59.2	62.6	54.4
08/16/02	22:55	58.1	62.1	54.3
	Mean	55.8	57.5	54.5
	Maximum	59.2	62.6	54.9
	Minimum	54.5	54.9	54.1

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/17/02	19:00	55.7	56.6	54.8
08/17/02	19:05	55.4	56.3	54.6
08/17/02	19:10	55.2	55.9	54.4
08/17/02	19:15	54.9	55.5	54.3
08/17/02	19:20	55.4	56.2	54.5
08/17/02	19:25	55	55.4	54.4
08/17/02	19:30	55.1	55.8	54.5
08/17/02	19:35	54.8	55.2	54.3
08/17/02	19:40	54.7	55.1	54.2
08/17/02	19:45	55.4	56	54.2
08/17/02	19:50	54.7	55.2	54.2
08/17/02	19:55	55.3	56	54.4
08/17/02	20:00	55.2	55.8	54.5
08/17/02	20:05	54.9	55.4	54.4
08/17/02	20:10	54.8	55.2	54.4
08/17/02	20:15	55.1	55.7	54.5
08/17/02	20:20	54.8	55.2	54.5
08/17/02	20:25	55.1	55.6	54.7
08/17/02	20:30	55.7	57.5	54.7
08/17/02	20:35	55	55.4	54.6
08/17/02	20:40	55	55.4	54.6
08/17/02	20:45	54.9	55.3	54.6
08/17/02	20:50	56.4	57	54.5
08/17/02	20:55	55.2	55.9	54.7
08/17/02	21:00	55.4	55.6	54.7
08/17/02	21:05	55	55.4	54.6
08/17/02	21:10	55.2	55.7	54.7
08/17/02	21:15	55.2	55.7	54.8
08/17/02	21:20	55.2	55.6	54.8
08/17/02	21:25	56.4	59.1	54.8
08/17/02	21:30	56.9	59.8	54.8
08/17/02	21:35	58.6	62.1	55
08/17/02	21:40	58.6	62.4	54.8
08/17/02	21:45	59.6	63.1	54.8
08/17/02	21:50	57.1	60.4	54.6
08/17/02	21:55	56.4	56.5	54.6
08/17/02	22:00	56.6	57	54.5
08/17/02	22:05	54.7	55.1	54.3
08/17/02	22:10	58.6	63.1	54.5
08/17/02	22:15	60.2	64.2	54.9
08/17/02	22:20	55.5	56.4	54.7
08/17/02	22:25	56.8	60.5	54.5
08/17/02	22:30	54.7	55.2	54.2
08/17/02	22:35	57.4	62.2	54.5
08/17/02	22:40	57.1	59.5	54.3
08/17/02	22:45	56.9	58.1	54.4
08/17/02	22:50	57.3	59.5	54.4
08/17/02	22:55	54.7	55.2	54.2
	Mean	56.2	58.2	54.5
	Maximum	60.2	64.2	55.0
	Minimum	54.7	55.1	54.2

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/20/02	19:00	56.3	57.2	55.3
08/20/02	19:05	56	56.9	55.1
08/20/02	19:10	55.8	56.5	54.9
08/20/02	19:15	55.4	56.1	54.8
08/20/02	19:20	56	56.8	55
08/20/02	19:25	55.6	56	54.9
08/20/02	19:30	55.7	56.4	55
08/20/02	19:35	55.3	55.8	54.8
08/20/02	19:40	55.2	55.7	54.7
08/20/02	19:45	56	56.6	54.7
08/20/02	19:50	55.2	55.8	54.7
08/20/02	19:55	55.9	56.6	54.9
08/20/02	20:00	55.8	56.4	55
08/20/02	20:05	55.4	56	54.9
08/20/02	20:10	55.3	55.8	54.9
08/20/02	20:15	55.7	56.3	55
08/20/02	20:20	55.3	55.8	55
08/20/02	20:25	55.7	56.2	55.2
08/20/02	20:30	56.3	58.1	55.2
08/20/02	20:35	55.6	56	55.1
08/20/02	20:40	55.6	56	55.1
08/20/02	20:45	55.4	55.9	55.1
08/20/02	20:50	57	57.6	55
08/20/02	20:55	55.8	56.5	55.2
08/20/02	21:00	56	56.2	55.2
08/20/02	21:05	55.6	56	55.1
08/20/02	21:10	55.8	56.3	55.2
08/20/02	21:15	55.8	56.3	55.3
08/20/02	21:20	55.8	56.2	55.3
08/20/02	21:25	57	59.7	55.3
08/20/02	21:30	57.5	60.4	55.3
08/20/02	21:35	59.2	62.7	55.6
08/20/02	21:40	59.2	63	55.3
08/20/02	21:45	60.2	63.7	55.3
08/20/02	21:50	57.7	61	55.1
08/20/02	21:55	57	57.1	55.1
08/20/02	22:00	57.2	57.6	55
08/20/02	22:05	55.2	55.7	54.8
08/20/02	22:10	59.2	63.7	55
08/20/02	22:15	60.8	64.8	55.4
08/20/02	22:20	56.1	57	55.2
08/20/02	22:25	57.4	61.1	55
08/20/02	22:30	55.2	55.8	54.7
08/20/02	22:35	58	62.8	55
08/20/02	22:40	57.7	60.1	54.8
08/20/02	22:45	57.5	58.7	54.9
08/20/02	22:50	57.9	60.1	54.9
08/20/02	22:55	55.2	55.8	54.7
	Mean	56.7	58.8	55.0
	Maximum	60.8	64.8	55.6
	Minimum	55.2	55.7	54.7

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/21/02	19:00	54.7	55.2	54.2
08/21/02	19:05	54.7	55	54.2
08/21/02	19:10	54.9	55.3	54.3
08/21/02	19:15	54.9	55.4	54.4
08/21/02	19:20	55	55.4	54.5
08/21/02	19:25	55.7	56.7	54.7
08/21/02	19:30	55.3	56.1	54.6
08/21/02	19:35	55.1	55.6	54.7
08/21/02	19:40	55.3	55.9	54.8
08/21/02	19:45	55.4	56.1	54.8
08/21/02	19:50	56.2	57.3	55.3
08/21/02	19:55	56	56.6	55.2
08/21/02	20:00	55.4	55.9	54.9
08/21/02	20:05	55.6	56	55
08/21/02	20:10	55.8	56.4	55.1
08/21/02	20:15	55.4	56.1	54.9
08/21/02	20:20	55.8	56.5	55
08/21/02	20:25	55.6	56.2	54.9
08/21/02	20:30	55.1	55.6	54.7
08/21/02	20:35	55.4	56	54.9
08/21/02	20:40	55.9	56.3	55.2
08/21/02	20:45	55.4	55.9	54.9
08/21/02	20:50	55.4	55.9	55
08/21/02	20:55	55.3	55.9	54.8
08/21/02	21:00	56.1	56.6	55.3
08/21/02	21:05	55.3	55.9	54.9
08/21/02	21:10	55.4	55.9	55
08/21/02	21:15	55.2	55.7	54.8
08/21/02	21:20	55.4	55.9	55
08/21/02	21:25	55.6	55.9	54.9
08/21/02	21:30	55.4	56	55
08/21/02	21:35	55.4	55.8	55
08/21/02	21:40	55.3	55.8	54.9
08/21/02	21:45	55.2	55.7	54.7
08/21/02	21:50	54.9	55.3	54.6
08/21/02	21:55	55	55.7	54.6
08/21/02	22:00	55.3	56.1	54.6
08/21/02	22:05	55.2	56	54.5
08/21/02	22:10	54.7	55.2	54.3
08/21/02	22:15	54.4	54.7	54.2
08/21/02	22:20	54.5	54.7	54.2
08/21/02	22:25	54.6	54.8	54.2
08/21/02	22:30	54.4	54.7	54.1
08/21/02	22:35	54.5	54.7	54.1
08/21/02	22:40	54.5	54.8	54.1
08/21/02	22:45	54.6	55	54.3
08/21/02	22:50	54.4	54.7	54.1
08/21/02	22:55	54.4	54.7	54.1
	Mean	55.2	55.7	54.7
	Maximum	56.2	57.3	55.3
	Minimum	54.4	54.7	54.1

Noise Level for 5-min, dB(A)				
Date	Time	Leq	L10	L90
08/22/02	19:00	66.5	66.9	66.2
08/22/02	19:05	66.4	66.7	66.1
08/22/02	19:10	66.3	66.6	66
08/22/02	19:15	66.3	66.6	66
08/22/02	19:20	66.3	66.6	66
08/22/02	19:25	66.3	66.6	66.1
08/22/02	19:30	66.4	66.7	66.1
08/22/02	19:35	66.3	66.6	66
08/22/02	19:40	66.3	66.6	66
08/22/02	19:45	66.3	66.6	66.1
08/22/02	19:50	66.3	66.6	66.1
08/22/02	19:55	66.3	66.6	66
08/22/02	20:00	66.3	66.6	66
08/22/02	20:05	66.4	66.6	66.1
08/22/02	20:10	66.3	66.6	66
08/22/02	20:15	66.3	66.6	66
08/22/02	20:20	66.4	66.6	66.1
08/22/02	20:25	66.3	66.6	66
08/22/02	20:30	66.3	66.6	66
08/22/02	20:35	66.3	66.6	66.1
08/22/02	20:40	66.3	66.6	66
08/22/02	20:45	66.3	66.6	66.1
08/22/02	20:50	66.4	66.6	66.1
08/22/02	20:55	66.3	66.6	66
08/22/02	21:00	66.3	66.6	66
08/22/02	21:05	66.3	66.5	66
08/22/02	21:10	66.3	66.6	66
08/22/02	21:15	66.4	66.7	66.1
08/22/02	21:20	66.4	66.8	66.1
08/22/02	21:25	66.5	66.8	66.1
08/22/02	21:30	66.4	66.8	66.1
08/22/02	21:35	66.5	67	66.1
08/22/02	21:40	66.5	66.8	66.1
08/22/02	21:45	66.4	66.8	66.1
08/22/02	21:50	66.4	66.8	66.1
08/22/02	21:55	66.4	66.7	66
08/22/02	22:00	66.3	66.6	66
08/22/02	22:05	66.3	66.6	66
08/22/02	22:10	66.3	66.6	66.1
08/22/02	22:15	66.3	66.6	66
08/22/02	22:20	66.3	66.6	66
08/22/02	22:25	66.3	66.6	66
08/22/02	22:30	66.4	66.6	66.1
08/22/02	22:35	66.4	66.6	66.1
08/22/02	22:40	66.4	66.6	66.1
08/22/02	22:45	66.3	66.6	66.1
08/22/02	22:50	66.3	66.6	66.1
08/22/02	22:55	66.4	66.6	66.1
	Mean	66.3	66.6	66.1
	Maximum	66.5	67.0	66.2
	Minimum	66.3	66.5	66.0

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	19:00	55.3	56	54.6
08/23/02	19:05	55	55.4	54.6
08/23/02	19:10	55.2	55.7	54.7
08/23/02	19:15	55.4	55.9	54.9
08/23/02	19:20	55.3	55.8	54.9
08/23/02	19:25	55.2	55.7	54.8
08/23/02	19:30	55.1	55.5	54.7
08/23/02	19:35	55.3	55.8	54.7
08/23/02	19:40	55.2	55.7	54.7
08/23/02	19:45	55.3	55.8	54.8
08/23/02	19:50	55.5	56	55
08/23/02	19:55	55.3	55.8	54.8
08/23/02	20:00	55.1	55.6	54.7
08/23/02	20:05	55.3	55.7	54.8
08/23/02	20:10	55.2	55.6	54.8
08/23/02	20:15	55.3	55.8	54.8
08/23/02	20:20	55.2	55.7	54.8
08/23/02	20:25	55.6	56.1	55
08/23/02	20:30	55.2	55.8	54.7
08/23/02	20:35	55.4	55.9	54.8
08/23/02	20:40	55.3	55.7	54.8
08/23/02	20:45	55.2	55.9	54.5
08/23/02	20:50	55.7	57.3	54.5
08/23/02	20:55	55.7	57.1	54.5
08/23/02	21:00	54.9	55.5	54.3
08/23/02	21:05	54.5	55	54.1
08/23/02	21:10	54.4	54.9	54
08/23/02	21:15	54.2	54.7	53.7
08/23/02	21:20	54.3	54.8	53.8
08/23/02	21:25	54.8	55.5	54.1
08/23/02	21:30	55.2	56	54.3
08/23/02	21:35	54.5	55.3	53.8
08/23/02	21:40	54.3	54.9	53.8
08/23/02	21:45	54.3	54.9	53.8
08/23/02	21:50	54.5	55.1	54
08/23/02	21:55	54	54.5	53.6
08/23/02	22:00	54.1	54.8	53.6
08/23/02	22:05	54.2	54.6	53.8
08/23/02	22:10	54.2	54.8	53.7
08/23/02	22:15	54.4	55	53.8
08/23/02	22:20	54.2	54.6	53.8
08/23/02	22:25	54	54.6	53.6
08/23/02	22:30	54.1	54.5	53.7
08/23/02	22:35	54.5	55.3	53.8
08/23/02	22:40	55.3	56.3	54.4
08/23/02	22:45	55.4	56.4	54.3
08/23/02	22:50	54.9	55.8	54
08/23/02	22:55	55.3	56.2	54.4
	Mean	54.9	55.6	54.4
	Maximum	55.7	57.3	55.0
	Minimum	54.0	54.5	53.6

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	19:00	56.4	58.8	54.8
08/24/02	19:05	56.6	59.5	54.8
08/24/02	19:10	56	56.6	54.8
08/24/02	19:15	55.4	56	54.9
08/24/02	19:20	57.8	61.8	55
08/24/02	19:25	55.2	55.7	54.7
08/24/02	19:30	55.1	55.8	54.6
08/24/02	19:35	55.1	55.6	54.6
08/24/02	19:40	56.6	59.9	54.7
08/24/02	19:45	55.3	55.8	54.8
08/24/02	19:50	55.6	55.9	54.8
08/24/02	19:55	55.6	56	54.9
08/24/02	20:00	55.6	56	55
08/24/02	20:05	55.9	56.2	55.1
08/24/02	20:10	55.7	56.1	55.1
08/24/02	20:15	55.7	56.1	55.1
08/24/02	20:20	55.9	56.2	55.1
08/24/02	20:25	55.4	56	54.9
08/24/02	20:30	55.6	56	55.1
08/24/02	20:35	55.3	55.8	54.8
08/24/02	20:40	55.2	55.7	54.8
08/24/02	20:45	55.3	55.7	54.8
08/24/02	20:50	55.8	56.3	55
08/24/02	20:55	55.4	56	55
08/24/02	21:00	56	56.5	55.4
08/24/02	21:05	56	56.4	55.4
08/24/02	21:10	56.4	57.1	55.3
08/24/02	21:15	56	56.6	55.4
08/24/02	21:20	55.9	56.4	55.4
08/24/02	21:25	56	56.4	55.3
08/24/02	21:30	55.9	56.4	55.3
08/24/02	21:35	56.2	56.5	55.3
08/24/02	21:40	55.9	56.4	55.2
08/24/02	21:45	55.9	56	55
08/24/02	21:50	55.8	56	54.9
08/24/02	21:55	55.9	56.1	55
08/24/02	22:00	55.8	56	55
08/24/02	22:05	55.9	56.6	54.9
08/24/02	22:10	55.4	55.9	55
08/24/02	22:15	55.6	56	55.1
08/24/02	22:20	57.5	60.5	55.3
08/24/02	22:25	57.6	60.7	55
08/24/02	22:30	55	55.4	54.6
08/24/02	22:35	58.7	62.5	54.6
08/24/02	22:40	59.2	62.8	54.8
08/24/02	22:45	58.3	62.3	54.8
08/24/02	22:50	59.8	63.2	54.9
08/24/02	22:55	58.7	62.7	54.8
	Mean	56.4	58.1	55.0
	Maximum	59.8	63.2	55.4
	Minimum	55.0	55.4	54.6

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	7:00	56.8	57.6	56.1
08/25/02	7:05	57.2	58.3	56.2
08/25/02	7:10	57.2	58.1	56.2
08/25/02	7:15	56.5	57.3	55.7
08/25/02	7:20	56.5	57.5	55.6
08/25/02	7:25	57.6	58.2	56.9
08/25/02	7:30	57.8	58.5	57.2
08/25/02	7:35	57.9	58.9	57.1
08/25/02	7:40	58	59.1	57.1
08/25/02	7:45	58.1	59	57.3
08/25/02	7:50	59.3	60.6	57.7
08/25/02	7:55	58.5	59.6	57.5
08/25/02	8:00	59.4	61.3	57.4
08/25/02	8:05	58.9	59.9	57.9
08/25/02	8:10	59.5	60.5	58.1
08/25/02	8:15	60	61.7	58.1
08/25/02	8:20	57.6	58.3	56.6
08/25/02	8:25	56.9	57.6	56.1
08/25/02	8:30	56.8	57.5	56.1
08/25/02	8:35	59.2	62.5	56.1
08/25/02	8:40	55	55.7	54.2
08/25/02	8:45	55.4	56.3	54.3
08/25/02	8:50	56.1	56.6	55.3
08/25/02	8:55	55.9	56.4	55.3
08/25/02	9:00	55.7	56.1	55.2
08/25/02	9:05	55.7	56.2	55.3
08/25/02	9:10	55.7	56.1	55.3
08/25/02	9:15	55.8	56.3	55.3
08/25/02	9:20	55.8	56.2	55.2
08/25/02	9:25	55.9	56.5	55.3
08/25/02	9:30	55.5	56	55.1
08/25/02	9:35	55.5	55.8	55
08/25/02	9:40	55.8	56.4	55.1
08/25/02	9:45	55.1	56.1	53.8
08/25/02	9:50	55.4	56.1	54.1
08/25/02	9:55	55.9	56.7	55.1
08/25/02	10:00	56.3	57.3	55.4
08/25/02	10:05	56	56.6	55.4
08/25/02	10:10	55.9	56.5	55.3
08/25/02	10:15	55.8	56.3	55.2
08/25/02	10:20	55.7	56.1	55.2
08/25/02	10:25	55.7	56.1	55.2
08/25/02	10:30	56.2	56.9	55.4
08/25/02	10:35	55.6	56	55.2
08/25/02	10:40	56.1	56.7	55.3
08/25/02	10:45	55.9	56.3	55.4
08/25/02	10:50	54.7	55.7	53.9
08/25/02	10:55	54.7	55.6	53.8

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	11:00	54.5	55.3	53.6
08/25/02	11:05	54.9	56.1	54
08/25/02	11:10	52.7	54.6	49
08/25/02	11:15	52.5	54	49
08/25/02	11:20	53.6	54	53.1
08/25/02	11:25	53.6	54.1	53.1
08/25/02	11:30	53.8	54.3	53.3
08/25/02	11:35	53.5	54	52.9
08/25/02	11:40	53.5	54.1	53
08/25/02	11:45	53.8	54.1	53.1
08/25/02	11:50	53.6	54.1	53.1
08/25/02	11:55	54.1	54.8	53.2
08/25/02	12:00	53.7	54.5	52.9
08/25/02	12:05	54	54.7	53.1
08/25/02	12:10	53.4	54	52.8
08/25/02	12:15	53.4	53.9	52.9
08/25/02	12:20	53.2	53.7	52.6
08/25/02	12:25	54.3	55.9	52.9
08/25/02	12:30	54	54.8	53
08/25/02	12:35	53.7	54.5	52.9
08/25/02	12:40	53.4	54.1	52.8
08/25/02	12:45	53.4	53.7	52.8
08/25/02	12:50	53.6	54.1	53
08/25/02	12:55	53.4	53.8	52.8
08/25/02	13:00	53.2	53.7	52.7
08/25/02	13:05	53	53.4	52.5
08/25/02	13:10	54.1	55.6	52.6
08/25/02	13:15	53.1	53.6	52.5
08/25/02	13:20	53.2	53.7	52.7
08/25/02	13:25	52.7	53.1	52.3
08/25/02	13:30	53.5	54.1	52.7
08/25/02	13:35	53.1	53.6	52.7
08/25/02	13:40	53.3	53.9	52.7
08/25/02	13:45	53.8	54.6	53
08/25/02	13:50	54	54.8	53
08/25/02	13:55	53.8	54.6	53
08/25/02	14:00	53.7	54.4	53
08/25/02	14:05	53.7	54.3	53.1
08/25/02	14:10	54.4	55.4	53.5
08/25/02	14:15	54.6	55.5	53.6
08/25/02	14:20	54.2	54.8	53.5
08/25/02	14:25	53.8	54.3	53.3
08/25/02	14:30	54.2	55	53.3
08/25/02	14:35	54.2	55.1	53.2
08/25/02	14:40	54	54.7	53.3
08/25/02	14:45	53.8	54.4	53.2
08/25/02	14:50	54.1	54.9	53.3
08/25/02	14:55	54.3	55.2	53.3

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	15:00	54.3	55.3	53.4
08/25/02	15:05	54.7	55.9	53.5
08/25/02	15:10	55.2	56.7	53.6
08/25/02	15:15	55.2	56.5	53.7
08/25/02	15:20	54.6	55.4	53.6
08/25/02	15:25	54.4	55.3	53.5
08/25/02	15:30	54.4	55.3	53.5
08/25/02	15:35	54	54.4	53.2
08/25/02	15:40	54.2	54.7	53.3
08/25/02	15:45	54.2	55.2	53.3
08/25/02	15:50	54.4	55.3	53.6
08/25/02	15:55	54	54.7	53.4
08/25/02	16:00	54.3	54.9	53.6
08/25/02	16:05	54.3	55	53.6
08/25/02	16:10	54.4	55.1	53.7
08/25/02	16:15	54.3	54.9	53.7
08/25/02	16:20	54.6	55.2	53.9
08/25/02	16:25	54.9	56	53.9
08/25/02	16:30	55	56	54
08/25/02	16:35	54.7	55.4	53.9
08/25/02	16:40	55.5	55.9	53.9
08/25/02	16:45	54.5	55.1	53.9
08/25/02	16:50	54.4	55	53.8
08/25/02	16:55	54.8	55.6	53.8
08/25/02	17:00	54.5	55.2	53.9
08/25/02	17:05	54.6	55.1	53.9
08/25/02	17:10	54.7	55.4	54
08/25/02	17:15	54.6	55.3	53.9
08/25/02	17:20	54.6	55.3	53.9
08/25/02	17:25	54.4	55.1	53.7
08/25/02	17:30	54.5	55.2	53.6
08/25/02	17:35	54.6	55.1	53.7
08/25/02	17:40	54.5	55.1	53.9
08/25/02	17:45	54.6	55.2	53.9
08/25/02	17:50	54.4	55	53.9
08/25/02	17:55	55.4	56.8	54
08/25/02	18:00	55	55.8	54
08/25/02	18:05	55.1	55.9	54.2
08/25/02	18:10	54.6	55.4	53.8
08/25/02	18:15	55.2	56.5	53.9
08/25/02	18:20	56	57.5	54.4
08/25/02	18:25	57	59	54.7
08/25/02	18:30	57.2	59.3	54.6
08/25/02	18:35	56.6	58.3	54.1
08/25/02	18:40	58.5	61.8	54.2
08/25/02	18:45	56.3	58.1	53.9
08/25/02	18:50	54.3	54.8	53.8
08/25/02	18:55	54.4	55	53.6

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	19:00	54.4	55	53.7
08/25/02	19:05	54.3	54.7	53.8
08/25/02	19:10	54.4	54.8	54
08/25/02	19:15	54.4	54.9	53.9
08/25/02	19:20	54.4	54.8	53.9
08/25/02	19:25	54.4	54.8	54
08/25/02	19:30	54.6	54.9	54
08/25/02	19:35	54.4	54.7	54
08/25/02	19:40	54.6	55	54.2
08/25/02	19:45	54.9	55.4	54.5
08/25/02	19:50	54.6	55	54.1
08/25/02	19:55	54.9	55.4	54.3
08/25/02	20:00	54.9	55.3	54.4
08/25/02	20:05	55.2	55.7	54.5
08/25/02	20:10	55	55.5	54.5
08/25/02	20:15	55.2	55.7	54.7
08/25/02	20:20	55.2	55.7	54.8
08/25/02	20:25	55	55.4	54.5
08/25/02	20:30	54.7	55.1	54.2
08/25/02	20:35	54.9	55.3	54.4
08/25/02	20:40	55.2	55.6	54.6
08/25/02	20:45	55.2	55.8	54.6
08/25/02	20:50	55.4	56.1	54.8
08/25/02	20:55	55.2	55.6	54.7
08/25/02	21:00	54.9	55.3	54.4
08/25/02	21:05	55	55.4	54.5
08/25/02	21:10	55	55.3	54.5
08/25/02	21:15	54.9	55.3	54.4
08/25/02	21:20	54.8	55.3	54.4
08/25/02	21:25	54.7	55.1	54.3
08/25/02	21:30	54.6	55	54.2
08/25/02	21:35	55.9	57.4	54.6
08/25/02	21:40	55.4	56.3	54.6
08/25/02	21:45	55.5	56.3	54.7
08/25/02	21:50	54.8	55.2	54.4
08/25/02	21:55	54.6	54.9	54.2
08/25/02	22:00	54.6	55	54.2
08/25/02	22:05	54.3	54.7	53.9
08/25/02	22:10	54.3	54.7	53.9
08/25/02	22:15	54.4	54.8	54.1
08/25/02	22:20	54.3	54.7	54
08/25/02	22:25	54.3	54.7	53.9
08/25/02	22:30	54.3	54.6	53.9
08/25/02	22:35	54.2	54.5	53.9
08/25/02	22:40	54.4	54.7	54.1
08/25/02	22:45	54.5	54.9	54.2
08/25/02	22:50	54.8	55.1	54.5
08/25/02	22:55	54.6	54.9	54.2
	Mean	55.2	56.1	54.4
	Maximum	60.0	62.5	58.1
	Minimum	52.5	53.1	49.0

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	19:00:00	54.2	54.7	53.7
08/26/02	19:05:00	54.2	54.5	53.7
08/26/02	19:10:00	54.4	54.8	53.8
08/26/02	19:15:00	54.4	54.9	53.9
08/26/02	19:20:00	54.5	54.9	54.0
08/26/02	19:25:00	55.1	56.1	54.2
08/26/02	19:30:00	54.8	55.5	54.1
08/26/02	19:35:00	54.6	55.0	54.2
08/26/02	19:40:00	54.8	55.3	54.3
08/26/02	19:45:00	54.9	55.5	54.3
08/26/02	19:50:00	55.6	56.7	54.8
08/26/02	19:55:00	55.4	56.0	54.7
08/26/02	20:00:00	54.9	55.3	54.4
08/26/02	20:05:00	55.0	55.4	54.5
08/26/02	20:10:00	55.2	55.8	54.6
08/26/02	20:15:00	54.9	55.5	54.4
08/26/02	20:20:00	55.2	55.9	54.5
08/26/02	20:25:00	55.0	55.6	54.4
08/26/02	20:30:00	54.6	55.0	54.2
08/26/02	20:35:00	54.9	55.4	54.4
08/26/02	20:40:00	55.3	55.7	54.7
08/26/02	20:45:00	54.9	55.3	54.4
08/26/02	20:50:00	54.9	55.3	54.5
08/26/02	20:55:00	54.8	55.3	54.3
08/26/02	21:00:00	55.5	56.0	54.8
08/26/02	21:05:00	54.8	55.3	54.4
08/26/02	21:10:00	54.9	55.3	54.5
08/26/02	21:15:00	54.7	55.1	54.3
08/26/02	21:20:00	54.9	55.3	54.5
08/26/02	21:25:00	55.0	55.3	54.4
08/26/02	21:30:00	54.9	55.4	54.5
08/26/02	21:35:00	54.9	55.2	54.5
08/26/02	21:40:00	54.8	55.2	54.4
08/26/02	21:45:00	54.7	55.1	54.2
08/26/02	21:50:00	54.4	54.8	54.1
08/26/02	21:55:00	54.5	55.1	54.1
08/26/02	22:00:00	54.8	55.5	54.1
08/26/02	22:05:00	54.7	55.4	54.0
08/26/02	22:10:00	54.2	54.7	53.8
08/26/02	22:15:00	53.9	54.2	53.7
08/26/02	22:20:00	54.0	54.2	53.7
08/26/02	22:25:00	54.1	54.3	53.7
08/26/02	22:30:00	53.9	54.2	53.6
08/26/02	22:35:00	54.0	54.2	53.6
08/26/02	22:40:00	54.0	54.3	53.6
08/26/02	22:45:00	54.1	54.5	53.8
08/26/02	22:50:00	53.9	54.2	53.6
08/26/02	22:55:00	53.9	54.2	53.6
	Mean	54.7	55.2	54.2
	Maximum	55.6	56.7	54.8
	Minimum	53.9	54.2	53.6

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	19:00:00	54.2	54.5	53.5
08/27/02	19:05:00	53.9	54.5	53.5
08/27/02	19:10:00	54.1	54.5	53.5
08/27/02	19:15:00	53.9	54.0	53.5
08/27/02	19:20:00	54.0	55.0	53.5
08/27/02	19:25:00	54.0	55.0	53.5
08/27/02	19:30:00	53.8	54.0	53.0
08/27/02	19:35:00	53.9	54.0	53.5
08/27/02	19:40:00	54.0	55.0	53.5
08/27/02	19:45:00	54.3	54.5	53.5
08/27/02	19:50:00	54.3	54.5	54.0
08/27/02	19:55:00	54.3	54.5	53.5
08/27/02	20:00:00	54.5	55.0	54.0
08/27/02	20:05:00	54.4	54.5	54.0
08/27/02	20:10:00	54.8	55.0	54.0
08/27/02	20:15:00	55.1	55.5	54.5
08/27/02	20:20:00	54.8	55.0	54.0
08/27/02	20:25:00	55.1	55.5	54.5
08/27/02	20:30:00	54.9	55.0	54.5
08/27/02	20:35:00	54.7	55.0	54.0
08/27/02	20:40:00	54.7	55.0	54.0
08/27/02	20:45:00	54.9	55.0	54.0
08/27/02	20:50:00	54.9	55.0	54.5
08/27/02	20:55:00	54.6	55.0	54.0
08/27/02	21:00:00	54.9	55.5	54.0
08/27/02	21:05:00	55.1	55.5	54.5
08/27/02	21:10:00	55.2	55.5	54.0
08/27/02	21:15:00	54.9	55.5	54.0
08/27/02	21:20:00	54.6	55.0	54.0
08/27/02	21:25:00	54.6	55.0	54.0
08/27/02	21:30:00	54.5	55.0	54.0
08/27/02	21:35:00	54.7	55.0	54.0
08/27/02	21:40:00	54.7	55.0	54.0
08/27/02	21:45:00	54.6	55.0	54.0
08/27/02	21:50:00	54.4	54.5	54.0
08/27/02	21:55:00	54.2	54.5	53.5
08/27/02	22:00:00	54.3	54.5	54.0
08/27/02	22:05:00	54.1	55.0	53.5
08/27/02	22:10:00	54.3	54.5	54.0
08/27/02	22:15:00	54.4	54.5	54.0
08/27/02	22:20:00	54.2	54.5	53.5
08/27/02	22:25:00	54.3	54.5	54.0
08/27/02	22:30:00	54.3	54.5	54.0
08/27/02	22:35:00	54.1	55.0	53.5
08/27/02	22:40:00	54.2	54.5	53.5
08/27/02	22:45:00	54.2	54.5	54.0
08/27/02	22:50:00	54.3	54.5	54.0
08/27/02	22:55:00	54.3	54.5	54.0
	Mean	54.5	54.8	53.9
	Maximum	55.2	55.5	54.5
	Minimum	53.8	54.0	53.0

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	19:00:00	63.8	64.1	63.5
08/28/02	19:05:00	63.8	64.1	63.6
08/28/02	19:10:00	63.8	64.0	63.5
08/28/02	19:15:00	63.8	64.1	63.5
08/28/02	19:20:00	63.9	64.3	63.6
08/28/02	19:25:00	63.9	64.2	63.6
08/28/02	19:30:00	63.9	64.2	63.6
08/28/02	19:35:00	63.8	64.1	63.6
08/28/02	19:40:00	63.8	64.1	63.5
08/28/02	19:45:00	63.8	64.1	63.6
08/28/02	19:50:00	63.8	64.1	63.5
08/28/02	19:55:00	63.8	64.1	63.5
08/28/02	20:00:00	63.7	64.0	63.5
08/28/02	20:05:00	63.7	64.0	63.5
08/28/02	20:10:00	63.8	64.0	63.5
08/28/02	20:15:00	63.8	64.0	63.5
08/28/02	20:20:00	63.7	64.0	63.5
08/28/02	20:25:00	63.7	64.0	63.4
08/28/02	20:30:00	63.7	64.0	63.4
08/28/02	20:35:00	63.8	64.0	63.5
08/28/02	20:40:00	63.8	64.0	63.5
08/28/02	20:45:00	63.8	64.1	63.6
08/28/02	20:50:00	63.8	64.1	63.6
08/28/02	20:55:00	63.9	64.2	63.6
08/28/02	21:00:00	64.0	64.2	63.7
08/28/02	21:05:00	64.0	64.3	63.7
08/28/02	21:10:00	64.1	64.5	63.7
08/28/02	21:15:00	64.0	64.3	63.7
08/28/02	21:20:00	63.9	64.2	63.7
08/28/02	21:25:00	63.9	64.2	63.7
08/28/02	21:30:00	63.9	64.2	63.6
08/28/02	21:35:00	63.9	64.2	63.7
08/28/02	21:40:00	63.9	64.2	63.7
08/28/02	21:45:00	63.9	64.2	63.6
08/28/02	21:50:00	64.0	64.3	63.6
08/28/02	21:55:00	64.0	64.4	63.6
08/28/02	22:00:00	63.8	64.1	63.6
08/28/02	22:05:00	63.9	64.2	63.6
08/28/02	22:10:00	63.9	64.2	63.6
08/28/02	22:15:00	63.9	64.2	63.6
08/28/02	22:20:00	64.0	64.5	63.6
08/28/02	22:25:00	63.9	64.4	63.6
08/28/02	22:30:00	63.8	64.1	63.6
08/28/02	22:35:00	63.8	64.1	63.6
08/28/02	22:40:00	63.9	64.1	63.6
08/28/02	22:45:00	63.9	64.1	63.6
08/28/02	22:50:00	63.9	64.1	63.6
08/28/02	22:55:00	63.9	64.2	63.6
	Mean	63.9	64.2	63.6
	Maximum	64.1	64.5	63.7
	Minimum	63.7	64.0	63.4

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/29/02	19:00:00	63.8	64.1	63.5
08/29/02	19:05:00	63.8	64.1	63.5
08/29/02	19:10:00	63.8	64.1	63.6
08/29/02	19:15:00	63.9	64.1	63.6
08/29/02	19:20:00	63.9	64.2	63.6
08/29/02	19:25:00	63.8	64.1	63.6
08/29/02	19:30:00	63.9	64.1	63.6
08/29/02	19:35:00	63.9	64.2	63.6
08/29/02	19:40:00	63.9	64.2	63.6
08/29/02	19:45:00	64.0	64.3	63.7
08/29/02	19:50:00	63.9	64.2	63.7
08/29/02	19:55:00	63.9	64.2	63.6
08/29/02	20:00:00	63.9	64.1	63.6
08/29/02	20:05:00	63.9	64.2	63.6
08/29/02	20:10:00	63.9	64.2	63.6
08/29/02	20:15:00	63.9	64.2	63.7
08/29/02	20:20:00	64.3	64.4	63.7
08/29/02	20:25:00	63.9	64.1	63.6
08/29/02	20:30:00	63.9	64.2	63.6
08/29/02	20:35:00	63.9	64.2	63.7
08/29/02	20:40:00	63.9	64.1	63.6
08/29/02	20:45:00	64.0	64.2	63.7
08/29/02	20:50:00	64.0	64.3	63.7
08/29/02	20:55:00	63.9	64.2	63.7
08/29/02	21:00:00	63.9	64.2	63.7
08/29/02	21:05:00	64.0	64.3	63.7
08/29/02	21:10:00	63.9	64.2	63.7
08/29/02	21:15:00	64.0	64.2	63.7
08/29/02	21:20:00	64.0	64.3	63.7
08/29/02	21:25:00	64.0	64.3	63.7
08/29/02	21:30:00	64.0	64.3	63.7
08/29/02	21:35:00	63.9	64.2	63.6
08/29/02	21:40:00	63.9	64.2	63.6
08/29/02	21:45:00	63.9	64.2	63.6
08/29/02	21:50:00	63.9	64.2	63.6
08/29/02	21:55:00	63.8	64.1	63.6
08/29/02	22:00:00	63.8	64.1	63.5
08/29/02	22:05:00	63.8	64.0	63.5
08/29/02	22:10:00	63.7	64.0	63.5
08/29/02	22:15:00	63.7	64.0	63.4
08/29/02	22:20:00	63.8	64.0	63.5
08/29/02	22:25:00	63.8	64.1	63.6
08/29/02	22:30:00	63.8	64.1	63.6
08/29/02	22:35:00	63.9	64.2	63.6
08/29/02	22:40:00	63.9	64.2	63.7
08/29/02	22:45:00	63.9	64.1	63.6
08/29/02	22:50:00	63.9	64.1	63.6
08/29/02	22:55:00	63.9	64.2	63.7
	Mean	63.9	64.2	63.6
	Maximum	64.3	64.4	63.7
	Minimum	63.7	64.0	63.4

Location BM2: Muk Wu Pumping Station
Evening Time 19:00-23:00 hrs and Holiday 07:00-23:00 hrs Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/30/02	19:00:00	63.7	64.0	63.5
08/30/02	19:05:00	63.7	64.0	63.4
08/30/02	19:10:00	63.7	64.0	63.4
08/30/02	19:15:00	63.7	64.0	63.4
08/30/02	19:20:00	63.7	64.0	63.4
08/30/02	19:25:00	63.6	63.9	63.3
08/30/02	19:30:00	63.8	64.1	63.5
08/30/02	19:35:00	63.8	64.1	63.5
08/30/02	19:40:00	63.8	64.1	63.6
08/30/02	19:45:00	63.8	64.0	63.5
08/30/02	19:50:00	63.8	64.1	63.6
08/30/02	19:55:00	63.8	64.1	63.5
08/30/02	20:00:00	63.8	64.0	63.5
08/30/02	20:05:00	63.7	64.0	63.5
08/30/02	20:10:00	63.8	64.0	63.5
08/30/02	20:15:00	63.8	64.1	63.6
08/30/02	20:20:00	63.8	64.1	63.6
08/30/02	20:25:00	63.8	64.1	63.6
08/30/02	20:30:00	63.9	64.2	63.6
08/30/02	20:35:00	63.8	64.1	63.5
08/30/02	20:40:00	63.8	64.0	63.5
08/30/02	20:45:00	63.9	64.1	63.6
08/30/02	20:50:00	63.9	64.1	63.6
08/30/02	20:55:00	63.8	64.1	63.6
08/30/02	21:00:00	63.9	64.1	63.6
08/30/02	21:05:00	64.0	64.2	63.6
08/30/02	21:10:00	63.9	64.2	63.6
08/30/02	21:15:00	63.8	64.1	63.6
08/30/02	21:20:00	63.8	64.1	63.5
08/30/02	21:25:00	63.8	64.1	63.5
08/30/02	21:30:00	63.8	64.1	63.5
08/30/02	21:35:00	63.9	64.1	63.6
08/30/02	21:40:00	63.9	64.2	63.6
08/30/02	21:45:00	63.9	64.1	63.6
08/30/02	21:50:00	63.9	64.2	63.6
08/30/02	21:55:00	63.8	64.1	63.6
08/30/02	22:00:00	63.8	64.0	63.5
08/30/02	22:05:00	63.7	64.0	63.5
08/30/02	22:10:00	63.7	64.0	63.5
08/30/02	22:15:00	63.8	64.0	63.5
08/30/02	22:20:00	63.7	64.0	63.5
08/30/02	22:25:00	63.7	64.0	63.5
08/30/02	22:30:00	63.7	64.0	63.4
08/30/02	22:35:00	63.7	63.9	63.4
08/30/02	22:40:00	63.7	64.0	63.5
08/30/02	22:45:00	63.7	64.0	63.5
08/30/02	22:50:00	63.7	64.0	63.4
08/30/02	22:55:00	63.6	63.8	63.3
	Mean	63.8	64.1	63.5
	Maximum	64.0	64.2	63.6
	Minimum	63.6	63.8	63.3

APPENDIX B4
NIGHT-TIME 23:00-07:00 HRS OF THE NEXT DAY BASELINE NOISE MONITORING DATA

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/13/02	0:00	52.1	53.5	50.5
08/13/02	0:05	52	53.5	50
08/13/02	0:10	53	55	50.5
08/13/02	0:15	54	57	49
08/13/02	0:20	51	53	48.5
08/13/02	0:25	51.1	51.5	50
08/13/02	0:30	52.1	53.5	49
08/13/02	0:35	50.3	51	48.5
08/13/02	0:40	51.7	53	50
08/13/02	0:45	52.6	55	50
08/13/02	0:50	53	55.5	48
08/13/02	0:55	49.9	51.5	48
08/13/02	1:00	50.9	52.5	48.5
08/13/02	1:05	51.4	53.5	49.5
08/13/02	1:10	51.5	53	49.5
08/13/02	1:15	50.8	52	49
08/13/02	1:20	51.2	53	49.5
08/13/02	1:25	51	53	49
08/13/02	1:30	51	52.5	49
08/13/02	1:35	50.1	51.5	48
08/13/02	1:40	50.9	53.5	48
08/13/02	1:45	51.5	53.5	49.5
08/13/02	1:50	51.7	54	49.5
08/13/02	1:55	51.4	53.5	49.5
08/13/02	2:00	51.5	53.5	49.5
08/13/02	2:05	51.2	53	49.5
08/13/02	2:10	51.1	53	49.5
08/13/02	2:15	52.6	54.5	50.5
08/13/02	2:20	52.3	54	50
08/13/02	2:25	51	53	48
08/13/02	2:30	49.6	51.5	47.5
08/13/02	2:35	50.9	52.5	49.5
08/13/02	2:40	51.9	53.5	50.5
08/13/02	2:45	53.4	54.5	52
08/13/02	2:50	55.1	57.5	53
08/13/02	2:55	54.8	57.5	53
08/13/02	3:00	55.1	56.5	53.5
08/13/02	3:05	54.9	56	53.5
08/13/02	3:10	55.1	56	53.5
08/13/02	3:15	54.5	55.5	53
08/13/02	3:20	54.3	55.5	52.5
08/13/02	3:25	54.9	57	52.5
08/13/02	3:30	54	56.5	51.5
08/13/02	3:35	54.8	57	53
08/13/02	3:40	54.5	55.5	52.5
08/13/02	3:45	55.7	58	53
08/13/02	3:50	54.9	55	53.5
08/13/02	3:55	54	54.5	53.5
08/13/02	4:00	54.4	55	53.5
08/13/02	4:05	54.7	56	53
08/13/02	4:10	53.6	54.5	52.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/13/02	4:15	54.1	54.5	53.5
08/13/02	4:20	54	54.5	53
08/13/02	4:25	54.8	55.5	53
08/13/02	4:30	55.3	56	54
08/13/02	4:35	54.3	55	53
08/13/02	4:40	54.5	55	53.5
08/13/02	4:45	55.5	56	54.5
08/13/02	4:50	54.7	55.5	53.5
08/13/02	4:55	54.4	55.5	53
08/13/02	5:00	54.4	55.5	53
08/13/02	5:05	54.5	55	53.5
08/13/02	5:10	53.7	54.5	52.5
08/13/02	5:15	53.6	54.5	50
08/13/02	5:20	54.1	56	52
08/13/02	5:25	53.7	54.5	52.5
08/13/02	5:30	53.5	54.5	52.5
08/13/02	5:35	53.4	54	52.5
08/13/02	5:40	54	55	52.5
08/13/02	5:45	53	54.5	48
08/13/02	5:50	49.2	50	47.5
08/13/02	5:55	50.2	51.5	48
08/13/02	6:00	50.8	51.5	49.5
08/13/02	6:05	51.9	53	50
08/13/02	6:10	53.3	56	49.5
08/13/02	6:15	51.2	52.5	49
08/13/02	6:20	52.2	53.5	50.5
08/13/02	6:25	52.2	53.5	50.5
08/13/02	6:30	52.7	53.5	51.5
08/13/02	6:35	55	56.5	52
08/13/02	6:40	55.1	56.5	52.5
08/13/02	6:45	53.6	55	52
08/13/02	6:50	57.3	56	52.5
08/13/02	6:55	53.5	54.5	52
08/13/02	23:00	60.3	63	54
08/13/02	23:05	60.1	63	54.5
08/13/02	23:10	57.2	61	52
08/13/02	23:15	56.3	58.5	53
08/13/02	23:20	57.9	60.5	53.5
08/13/02	23:25	57	60	52.5
08/13/02	23:30	55.6	58	52.5
08/13/02	23:35	55.9	58	53
08/13/02	23:40	55.9	58	52.5
08/13/02	23:45	56.2	58	53
08/13/02	23:50	56.3	58.5	53.5
08/13/02	23:55	60.1	63.5	52.5
	Mean	54.1	55.9	51.6
	Maximum	60.3	63.5	54.5
	Minimum	49.2	50.0	47.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/14/02	0:00	59.9	63	54
08/14/02	0:05	59.4	62	54
08/14/02	0:10	58.6	61.5	52
08/14/02	0:15	58.7	61.5	52.5
08/14/02	0:20	58.9	62	51.5
08/14/02	0:25	58.7	61.5	52
08/14/02	0:30	58.2	61.5	51.5
08/14/02	0:35	58.5	61.5	52
08/14/02	0:40	58.2	61.5	51
08/14/02	0:45	58.3	61.5	51
08/14/02	0:50	56.5	60.5	49
08/14/02	0:55	55.5	58.5	50.5
08/14/02	1:00	55.2	58.5	49
08/14/02	1:05	54.5	57.5	49.5
08/14/02	1:10	55.5	58	51
08/14/02	1:15	56.2	59	51.5
08/14/02	1:20	56.9	59.5	51.5
08/14/02	1:25	57	60	50
08/14/02	1:30	57.8	60.5	53
08/14/02	1:35	57.6	60.5	52
08/14/02	1:40	57.8	60.5	52.5
08/14/02	1:45	57.2	60	51.5
08/14/02	1:50	57.4	60	53
08/14/02	1:55	56.5	58.5	53.5
08/14/02	2:00	56.5	58	54
08/14/02	2:05	57.2	59.5	54
08/14/02	2:10	57.5	59.5	54
08/14/02	2:15	58.4	61	54.5
08/14/02	2:20	58.3	61	53.5
08/14/02	2:25	54.5	56	52
08/14/02	2:30	54.4	56.5	52
08/14/02	2:35	53.5	54.5	52
08/14/02	2:40	54.5	58	50.5
08/14/02	2:45	52.2	54	50
08/14/02	2:50	53.3	55	50.5
08/14/02	2:55	52.6	54.5	50
08/14/02	3:00	55.8	57	53.5
08/14/02	3:05	56.2	57	55
08/14/02	3:10	55.6	56.5	54.5
08/14/02	3:15	56.6	59.5	48.5
08/14/02	3:20	55.4	59.5	48
08/14/02	3:25	57.1	60	50.5
08/14/02	3:30	57.4	60	51
08/14/02	3:35	57.5	60.5	50
08/14/02	3:40	58.1	60.5	52
08/14/02	3:45	58.1	61	52
08/14/02	3:50	56.1	60	51.5
08/14/02	3:55	58.7	61.5	53.5
08/14/02	4:00	58.8	61	54.5
08/14/02	4:05	57	59.5	54
08/14/02	4:10	57.4	59.5	55

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/14/02	4:15	55.9	56.5	55
08/14/02	4:20	55.8	56	55
08/14/02	4:25	58.3	60.5	55.5
08/14/02	4:30	57.9	60	55
08/14/02	4:35	59.7	61.5	56.5
08/14/02	4:40	59.2	61	56.5
08/14/02	4:45	60.1	61.5	58
08/14/02	4:50	59.4	61	57
08/14/02	4:55	58.8	60.5	56.5
08/14/02	5:00	59.4	61	57
08/14/02	5:05	58.7	60.5	55.5
08/14/02	5:10	54.7	58.5	51
08/14/02	5:15	55.9	59	51
08/14/02	5:20	56.1	58	53
08/14/02	5:25	55.9	58	53
08/14/02	5:30	53.9	56.5	50
08/14/02	5:35	53.7	55	51.5
08/14/02	5:40	54.3	58	49.5
08/14/02	5:45	50.2	51	49
08/14/02	5:50	50.6	52	49
08/14/02	5:55	50.3	51	49
08/14/02	6:00	51.2	52.5	49.5
08/14/02	6:05	49.7	50.5	48.5
08/14/02	6:10	50.7	51.5	49
08/14/02	6:15	50.5	51.5	49
08/14/02	6:20	51.7	53	49.5
08/14/02	6:25	51.5	53	49.5
08/14/02	6:30	51.8	53.5	49.5
08/14/02	6:35	53.8	55.5	50
08/14/02	6:40	52.6	54.5	50.5
08/14/02	6:45	53.9	55	51.5
08/14/02	6:50	53.1	54.5	51.5
08/14/02	6:55	53.1	54	51
08/14/02	23:00	52.8	53	52
08/14/02	23:05	52.4	53	51.5
08/14/02	23:10	52.9	53.5	52
08/14/02	23:15	52.9	54	52
08/14/02	23:20	52.7	53	52
08/14/02	23:25	53	53.5	52
08/14/02	23:30	53.8	55.5	52
08/14/02	23:35	53.8	55.5	52
08/14/02	23:40	53.2	54	52
08/14/02	23:45	53.2	53.5	52.5
08/14/02	23:50	53.4	54.5	52
08/14/02	23:55	53.8	54.5	52.5
	Mean	56.4	58.7	52.6
	Maximum	60.1	63.0	58.0
	Minimum	49.7	50.5	48.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	0:00	54.8	55.5	54
08/15/02	0:05	53.8	54.5	52.5
08/15/02	0:10	54	54.5	53.5
08/15/02	0:15	53.2	54	51.5
08/15/02	0:20	53.8	55.5	51.5
08/15/02	0:25	54.1	56	52
08/15/02	0:30	53.3	54.5	52
08/15/02	0:35	52.4	53.5	50.5
08/15/02	0:40	52.8	54	51.5
08/15/02	0:45	50	51.5	49
08/15/02	0:50	51.5	52	50
08/15/02	0:55	51.7	52.5	50
08/15/02	1:00	51.4	52	50
08/15/02	1:05	53.4	55	50
08/15/02	1:10	53.1	54	51.5
08/15/02	1:15	53.6	55.5	49
08/15/02	1:20	52.4	53	51.5
08/15/02	1:25	52.4	54	49
08/15/02	1:30	53	53.5	52
08/15/02	1:35	52	53.5	48.5
08/15/02	1:40	49.4	50	48.5
08/15/02	1:45	49.7	50.5	48.5
08/15/02	1:50	49.8	50.5	49
08/15/02	1:55	50.5	52	49
08/15/02	2:00	50.8	52.5	49
08/15/02	2:05	50.5	52	48.5
08/15/02	2:10	49.6	50.5	48.5
08/15/02	2:15	49.5	50.5	48.5
08/15/02	2:20	49.5	50.5	48.5
08/15/02	2:25	52.5	55.5	48.5
08/15/02	2:30	56.6	57.5	55.5
08/15/02	2:35	57.3	58	55.5
08/15/02	2:40	58.1	58.5	57
08/15/02	2:45	58.1	59	56.5
08/15/02	2:50	58.6	59.5	57.5
08/15/02	2:55	58.4	59	57
08/15/02	3:00	58.2	59	57
08/15/02	3:05	57.4	58	56
08/15/02	3:10	57.9	59	56.5
08/15/02	3:15	58.4	59.5	56.5
08/15/02	3:20	58.6	59	57.5
08/15/02	3:25	59.1	59.5	58.5
08/15/02	3:30	57.6	58.5	55.5
08/15/02	3:35	57.2	57.5	56.5
08/15/02	3:40	56.3	57	55
08/15/02	3:45	55.7	57	53.5
08/15/02	3:50	52.1	53	51
08/15/02	3:55	52.9	54	51
08/15/02	4:00	53.6	54	53
08/15/02	4:05	55.4	56	54
08/15/02	4:10	56.1	57	55

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	4:15	55.5	56.5	54
08/15/02	4:20	55.8	56.5	55
08/15/02	4:25	55.7	56.5	55
08/15/02	4:30	56	56.5	55
08/15/02	4:35	55	55.5	54
08/15/02	4:40	55.5	56	54.5
08/15/02	4:45	53.9	55	52.5
08/15/02	4:50	52.7	54	51
08/15/02	4:55	52.4	53.5	51
08/15/02	5:00	53.2	54.5	51.5
08/15/02	5:05	53.8	55	52
08/15/02	5:10	53.6	54.5	52
08/15/02	5:15	54.3	55	52.5
08/15/02	5:20	53.9	55	52
08/15/02	5:25	53.9	55	52
08/15/02	5:30	52.3	53.5	50.5
08/15/02	5:35	51.5	52.5	49.5
08/15/02	5:40	51.6	53	49.5
08/15/02	5:45	51.4	52.5	49
08/15/02	5:50	51.7	53	49.5
08/15/02	5:55	51.4	52.5	49.5
08/15/02	6:00	51.6	53	49
08/15/02	6:05	51.6	53	49
08/15/02	6:10	51.1	52.5	49
08/15/02	6:15	50.8	52	49
08/15/02	6:20	50.9	52	49.5
08/15/02	6:25	50.9	52	49.5
08/15/02	6:30	51.3	52.5	49.5
08/15/02	6:35	51.3	52.5	50
08/15/02	6:40	53.5	55	50.5
08/15/02	6:45	54.7	56.5	52.5
08/15/02	6:50	53.2	54.5	51
08/15/02	6:55	55	56	51.5
08/15/02	23:00	53.2	54.5	51.5
08/15/02	23:05	52.7	53.5	51.5
08/15/02	23:10	52.5	53.5	51.5
08/15/02	23:15	52.8	53.5	51.5
08/15/02	23:20	52.4	53	51.5
08/15/02	23:25	52.1	53	51
08/15/02	23:30	52.3	53	51
08/15/02	23:35	52.2	53	51
08/15/02	23:40	52.3	53.5	51
08/15/02	23:45	52.7	54	51.5
08/15/02	23:50	52.6	53.5	51.5
08/15/02	23:55	52.2	53	51
	Mean	54.2	55.2	52.7
	Maximum	59.1	56.5	55.0
	Minimum	49.4	50.0	48.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	0:00	51.4	52	50.5
08/16/02	0:05	51.3	52	50.5
08/16/02	0:10	51.6	52	50.5
08/16/02	0:15	50.5	52.5	49
08/16/02	0:20	50.3	52	48.5
08/16/02	0:25	49.9	50.5	49
08/16/02	0:30	50.5	52	48.5
08/16/02	0:35	49.2	50	48.5
08/16/02	0:40	49.2	50	48
08/16/02	0:45	49	49.5	48
08/16/02	0:50	49	49.5	48
08/16/02	0:55	50.1	51.5	48.5
08/16/02	1:00	49.4	50	48.5
08/16/02	1:05	49.1	50	48
08/16/02	1:10	49	49.5	48
08/16/02	1:15	49	49.5	48
08/16/02	1:20	49.2	50	48
08/16/02	1:25	49.4	50	48
08/16/02	1:30	50.1	51	48.5
08/16/02	1:35	49.8	50.5	48.5
08/16/02	1:40	50	50.5	49
08/16/02	1:45	50.2	51	49
08/16/02	1:50	49.8	50.5	49
08/16/02	1:55	49.7	50.5	48.5
08/16/02	2:00	49.7	50.5	48.5
08/16/02	2:05	49.9	50.5	48.5
08/16/02	2:10	49.5	50	48.5
08/16/02	2:15	49.5	50.5	48.5
08/16/02	2:20	50.1	51.5	48.5
08/16/02	2:25	50.8	52	49
08/16/02	2:30	51.5	53	49.5
08/16/02	2:35	50.2	51	49
08/16/02	2:40	50.6	51.5	49.5
08/16/02	2:45	50.8	51.5	50
08/16/02	2:50	50.9	51.5	50
08/16/02	2:55	50.6	51	49.5
08/16/02	3:00	50.7	51.5	49.5
08/16/02	3:05	51.7	52	50.5
08/16/02	3:10	51.6	52	50.5
08/16/02	3:15	53.6	55	51.5
08/16/02	3:20	55.9	57	54.5
08/16/02	3:25	56.9	59	55
08/16/02	3:30	56.5	57.5	55
08/16/02	3:35	57.2	57.5	56
08/16/02	3:40	57.3	58	56
08/16/02	3:45	56.6	57.5	55
08/16/02	3:50	56.5	57	54.5
08/16/02	3:55	56.8	58.5	54.5
08/16/02	4:00	57.2	58.5	53.5
08/16/02	4:05	53.2	53.5	50.5
08/16/02	4:10	52.6	53	50.5
08/16/02	4:15	53.6	54	50.5
08/16/02	4:20	55.2	56	53.5
08/16/02	4:25	56	56.5	55
08/16/02	4:30	56.7	57	55.5
08/16/02	4:35	56.4	57.5	55
08/16/02	4:40	55.6	56.5	54.5
08/16/02	4:45	55.3	56	54.5
08/16/02	4:50	55.7	56.5	54
08/16/02	4:55	55.6	56	55
08/16/02	5:00	55.8	56.5	54.5
08/16/02	5:05	56	56.5	55
08/16/02	5:10	55.5	56	54
08/16/02	5:15	56.1	57	55
08/16/02	5:20	55.8	56.5	55
08/16/02	5:25	55.3	56.5	52.5
08/16/02	5:30	51.7	52.5	50.5
08/16/02	5:35	51.4	52	49.5
08/16/02	5:40	51.5	52	49
08/16/02	5:45	49.8	50.5	48.5
08/16/02	5:50	50.3	51	49.5
08/16/02	5:55	50.2	50.5	49
08/16/02	6:00	50.3	51.5	49
08/16/02	6:05	51.4	52.5	50
08/16/02	6:10	52	53	50
08/16/02	6:15	52.8	55	50
08/16/02	6:20	53.1	55	50.5
08/16/02	6:25	52.4	53.5	50.5
08/16/02	6:30	52.1	53	50.5
08/16/02	6:35	53.9	55	52
08/16/02	6:40	54.2	55.5	52.5
08/16/02	6:45	52.7	54	51
08/16/02	6:50	53.4	55	51.5
08/16/02	6:55	53.6	55	52
08/16/02	23:00	52.6	53	52
08/16/02	23:05	52.5	53	51.5
08/16/02	23:10	52.9	54	51.5
08/16/02	23:15	52.2	52.5	51.5
08/16/02	23:20	52.5	53	51.5
08/16/02	23:25	52.4	53	51.5
08/16/02	23:30	52.2	53	51.5
08/16/02	23:35	52.1	53	51
08/16/02	23:40	52.3	53	51
08/16/02	23:45	52.4	53.5	51
08/16/02	23:50	53.1	53.5	51.5
08/16/02	23:55	51.8	52.5	51
	Mean	53.1	54.0	51.7
	Maximum	57.3	57.5	55.5
	Minimum	49.0	49.5	48.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	0:00	51.6	52.5	50.5
08/17/02	0:05	51.4	52	50
08/17/02	0:10	50.9	52.5	49.5
08/17/02	0:15	51.5	52	49.5
08/17/02	0:20	50.9	52	49
08/17/02	0:25	50.6	51.5	49.5
08/17/02	0:30	50.8	51.5	49.5
08/17/02	0:35	49.8	50.5	49
08/17/02	0:40	51	52.5	49.5
08/17/02	0:45	50.7	52	49.5
08/17/02	0:50	50	50.5	49
08/17/02	0:55	50.2	51.5	49
08/17/02	1:00	50	50.5	49
08/17/02	1:05	49.5	50.5	48.5
08/17/02	1:10	50.3	51.5	49
08/17/02	1:15	50.4	51.5	49
08/17/02	1:20	50.2	51	49
08/17/02	1:25	49.9	50.5	49
08/17/02	1:30	50.5	51	49.5
08/17/02	1:35	50.6	51.5	49
08/17/02	1:40	50.1	50.5	49
08/17/02	1:45	51.1	52	49.5
08/17/02	1:50	50.4	51	49.5
08/17/02	1:55	49.8	50.5	49
08/17/02	2:00	50.7	51.5	49
08/17/02	2:05	50.5	51	49.5
08/17/02	2:10	50.5	52	48.5
08/17/02	2:15	51.1	52.5	49
08/17/02	2:20	50.6	52	49
08/17/02	2:25	50.1	51	48.5
08/17/02	2:30	49.5	51	48
08/17/02	2:35	49.4	50.5	48
08/17/02	2:40	49.9	51	48.5
08/17/02	2:45	50.3	51	49
08/17/02	2:50	49.8	50.5	48.5
08/17/02	2:55	49.2	50	48
08/17/02	3:00	52.8	54.5	50.5
08/17/02	3:05	54.9	56	53.5
08/17/02	3:10	54.7	55.5	53.5
08/17/02	3:15	56.2	57	55
08/17/02	3:20	56.3	57.5	54.5
08/17/02	3:25	55.8	57	54.5
08/17/02	3:30	56.1	57.5	54.5
08/17/02	3:35	56.3	57.5	54.5
08/17/02	3:40	56.2	57	54.5
08/17/02	3:45	56	57	54.5
08/17/02	3:50	54.8	56	53
08/17/02	3:55	52.2	53	51
08/17/02	4:00	52.3	53	51
08/17/02	4:05	54.1	55.5	52
08/17/02	4:10	54.7	56	52.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	4:15	54.5	55.5	53
08/17/02	4:20	54.7	55.5	53
08/17/02	4:25	55.2	56	54
08/17/02	4:30	55.1	56	53.5
08/17/02	4:35	54.3	55.5	52.5
08/17/02	4:40	54.8	56	53.5
08/17/02	4:45	54.7	55.5	53
08/17/02	4:50	54.3	55	53
08/17/02	4:55	54.3	55	53.5
08/17/02	5:00	54.4	55	53.5
08/17/02	5:05	54.3	55	53
08/17/02	5:10	54.1	55	53
08/17/02	5:15	53.8	54.5	52.5
08/17/02	5:20	53.6	54.5	52.5
08/17/02	5:25	53.4	54	52.5
08/17/02	5:30	52.7	53.5	51.5
08/17/02	5:35	52.5	53.5	50
08/17/02	5:40	50.9	51.5	50
08/17/02	5:45	50.7	51.5	49
08/17/02	5:50	50.9	52	49.5
08/17/02	5:55	50.2	50.5	49
08/17/02	6:00	50.5	51	49.5
08/17/02	6:05	51.1	52	49.5
08/17/02	6:10	51.2	52.5	49.5
08/17/02	6:15	52	53.5	50
08/17/02	6:20	54.1	56.5	50
08/17/02	6:25	53.7	55	51.5
08/17/02	6:30	52.9	54.5	50
08/17/02	6:35	52.4	53.5	50.5
08/17/02	6:40	52.3	54	50.5
08/17/02	6:45	53.1	55	51
08/17/02	6:50	54.9	56.5	52
08/17/02	6:55	54.8	56	53
08/17/02	23:00	51.8	52.5	51
08/17/02	23:05	51.6	52	51
08/17/02	23:10	51.5	52	50.5
08/17/02	23:15	51.8	52.5	50.5
08/17/02	23:20	51.9	53	50.5
08/17/02	23:25	51.7	52.5	50.5
08/17/02	23:30	51.8	53.5	50
08/17/02	23:35	52.5	54	50
08/17/02	23:40	51	51.5	50
08/17/02	23:45	50.7	51.5	49.5
08/17/02	23:50	50.6	51.5	49.5
08/17/02	23:55	50.5	51	49.5
	Mean	52.7	53.7	51.2
	Maximum	56.3	56.5	54.0
	Minimum	49.2	50.0	48.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	0:00	54.0	55.0	52.0
08/20/02	0:05	54.0	55.0	52.5
08/20/02	0:10	52.8	54.0	51.0
08/20/02	0:15	53.1	54.0	51.5
08/20/02	0:20	52.8	54.0	51.0
08/20/02	0:25	53.2	54.5	51.0
08/20/02	0:30	54.1	56.1	51.0
08/20/02	0:35	53.3	55.0	51.0
08/20/02	0:40	53.0	55.0	51.0
08/20/02	0:45	53.9	56.6	51.0
08/20/02	0:50	53.3	54.0	51.0
08/20/02	0:55	54.0	55.0	52.0
08/20/02	1:00	52.9	54.0	51.0
08/20/02	1:05	52.1	53.0	50.0
08/20/02	1:10	51.4	52.5	50.0
08/20/02	1:15	51.7	53.0	49.5
08/20/02	1:20	52.4	53.0	51.0
08/20/02	1:25	52.6	54.0	50.5
08/20/02	1:30	52.7	53.5	51.0
08/20/02	1:35	52.1	53.0	50.5
08/20/02	1:40	51.5	52.5	50.0
08/20/02	1:45	52.9	54.0	50.5
08/20/02	1:50	53.0	56.6	50.0
08/20/02	1:55	51.8	53.0	50.0
08/20/02	2:00	53.2	53.5	51.0
08/20/02	2:05	52.4	53.5	50.5
08/20/02	2:10	49.9	51.0	48.5
08/20/02	2:15	51.7	52.5	50.0
08/20/02	2:20	52.6	54.0	50.5
08/20/02	2:25	52.7	53.5	50.5
08/20/02	2:30	52.9	53.5	51.5
08/20/02	2:35	50.6	51.5	49.5
08/20/02	2:40	51.1	52.0	49.5
08/20/02	2:45	51.8	53.5	49.5
08/20/02	2:50	53.9	54.5	53.0
08/20/02	2:55	54.7	55.0	53.5
08/20/02	3:00	54.5	55.0	53.5
08/20/02	3:05	54.9	55.6	54.0
08/20/02	3:10	55.1	56.1	53.5
08/20/02	3:15	54.3	55.0	53.5
08/20/02	3:20	54.3	55.0	53.5
08/20/02	3:25	53.7	54.5	52.0
08/20/02	3:30	54.2	54.5	53.0
08/20/02	3:35	54.3	55.0	53.5
08/20/02	3:40	54.3	55.0	53.0
08/20/02	3:45	54.5	55.0	52.5
08/20/02	3:50	53.9	54.0	52.0
08/20/02	3:55	55.9	56.6	53.0
08/20/02	4:00	52.8	54.0	51.0
08/20/02	4:05	54.3	56.1	52.5
08/20/02	4:10	56.6	57.1	55.6

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	4:15	57.8	59.1	56.6
08/20/02	4:20	58.1	59.1	56.6
08/20/02	4:25	57.3	58.1	56.1
08/20/02	4:30	57.3	58.1	56.1
08/20/02	4:35	59.8	60.6	58.1
08/20/02	4:40	60.8	61.1	60.1
08/20/02	4:45	60.5	61.1	59.6
08/20/02	4:50	59.4	60.6	55.6
08/20/02	4:55	56.6	57.6	55.0
08/20/02	5:00	56.8	57.6	55.6
08/20/02	5:05	57.0	57.6	56.1
08/20/02	5:10	57.4	58.1	56.6
08/20/02	5:15	56.9	57.6	55.6
08/20/02	5:20	57.1	58.1	55.6
08/20/02	5:25	57.5	58.1	56.1
08/20/02	5:30	56.6	57.6	55.0
08/20/02	5:35	57.5	58.1	55.6
08/20/02	5:40	56.6	57.6	55.0
08/20/02	5:45	55.3	57.1	51.0
08/20/02	5:50	54.0	55.0	51.0
08/20/02	5:55	51.9	53.5	50.0
08/20/02	6:00	52.9	53.5	50.0
08/20/02	6:05	52.2	53.5	50.5
08/20/02	6:10	51.6	52.5	50.0
08/20/02	6:15	52.1	53.0	50.5
08/20/02	6:20	53.5	54.0	50.5
08/20/02	6:25	54.5	55.6	50.5
08/20/02	6:30	52.4	53.5	50.5
08/20/02	6:35	53.5	55.0	51.0
08/20/02	6:40	53.3	55.0	51.5
08/20/02	6:45	54.5	57.1	51.5
08/20/02	6:50	53.5	54.5	52.0
08/20/02	6:55	53.0	54.0	51.5
08/20/02	23:00	53.5	54	52.5
08/20/02	23:05	53.5	54	52.5
08/20/02	23:10	53.8	54.5	52.5
08/20/02	23:15	53.4	54	52.5
08/20/02	23:20	54.7	56.5	52
08/20/02	23:25	52.9	53.5	52
08/20/02	23:30	55.1	58	52
08/20/02	23:35	53.9	56	51.5
08/20/02	23:40	53.8	56	51.5
08/20/02	23:45	51.8	52	50.5
08/20/02	23:50	51.8	52	51
08/20/02	23:55	52.2	53	51
	Mean	54.7	55.8	53.1
	Maximum	60.8	61.1	60.1
	Minimum	49.9	51.0	48.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	0:00	51.4	52	50.5
08/21/02	0:05	52.5	54.5	50
08/21/02	0:10	50.7	51.5	49.5
08/21/02	0:15	51.3	53	49.5
08/21/02	0:20	53.1	54	50.5
08/21/02	0:25	50.8	53	49
08/21/02	0:30	53.7	57.5	49
08/21/02	0:35	53.8	58	49
08/21/02	0:40	49.5	50	48.5
08/21/02	0:45	50.4	51	49
08/21/02	0:50	49.9	50.5	48.5
08/21/02	0:55	49	49.5	48.5
08/21/02	1:00	50.1	51	48.5
08/21/02	1:05	50.9	52	50
08/21/02	1:10	52.4	53	51.5
08/21/02	1:15	54	55	52.5
08/21/02	1:20	54.8	55.5	53.5
08/21/02	1:25	54.7	55.5	53.5
08/21/02	1:30	54.9	55.5	54
08/21/02	1:35	54.8	55	54
08/21/02	1:40	55	56	54
08/21/02	1:45	54.2	55	52.5
08/21/02	1:50	53.3	54.5	51
08/21/02	1:55	52.7	53.5	51.5
08/21/02	2:00	52.9	54.5	51
08/21/02	2:05	53.4	54	51.5
08/21/02	2:10	52.8	53.5	52
08/21/02	2:15	53.6	54	52.5
08/21/02	2:20	54.1	54.5	53
08/21/02	2:25	55.7	58	53.5
08/21/02	2:30	55.4	57.5	52.5
08/21/02	2:35	54	55.5	52.5
08/21/02	2:40	55.1	57	52.5
08/21/02	2:45	56.9	58	55
08/21/02	2:50	57.9	59	56
08/21/02	2:55	59.4	60.5	58
08/21/02	3:00	59.2	60	58
08/21/02	3:05	58.9	60	57.5
08/21/02	3:10	59.3	60.5	58
08/21/02	3:15	59.4	60.5	58
08/21/02	3:20	59.4	60.5	58
08/21/02	3:25	58.9	60	57.5
08/21/02	3:30	58.7	60	57
08/21/02	3:35	58.9	60	57.5
08/21/02	3:40	58.3	59.5	56.5
08/21/02	3:45	58.3	60	56
08/21/02	3:50	59.1	60.5	57
08/21/02	3:55	59.2	60.5	57.5
08/21/02	4:00	59.7	61	57.5
08/21/02	4:05	59.8	61.5	57.5
08/21/02	4:10	59	60.5	57.5
08/21/02	4:15	59	60	57
08/21/02	4:20	59.4	61	57.5
08/21/02	4:25	59.4	60.5	57.5
08/21/02	4:30	58.9	60.5	56.5
08/21/02	4:35	59.4	61	57
08/21/02	4:40	59.8	61.5	57.5
08/21/02	4:45	60	61.5	57.5
08/21/02	4:50	59.8	61.5	57.5
08/21/02	4:55	59.1	60.5	57
08/21/02	5:00	60	61.5	57.5
08/21/02	5:05	59.8	61.5	57.5
08/21/02	5:10	59.7	61.5	57.5
08/21/02	5:15	59.8	61	58
08/21/02	5:20	59.9	61	58
08/21/02	5:25	58.2	60	55
08/21/02	5:30	57.6	60	54
08/21/02	5:35	57.7	59.5	54
08/21/02	5:40	57.5	59.5	54
08/21/02	5:45	57.2	59.5	53.5
08/21/02	5:50	56.4	58.5	53
08/21/02	5:55	57	59	53
08/21/02	6:00	52.9	54.5	50.5
08/21/02	6:05	53.3	55	50.5
08/21/02	6:10	51.2	52	50
08/21/02	6:15	51	51.5	50
08/21/02	6:20	53.2	55.5	50.5
08/21/02	6:25	52.4	53.5	51
08/21/02	6:30	52.4	53.5	50.5
08/21/02	6:35	52.2	53	50.5
08/21/02	6:40	54.8	56	52
08/21/02	6:45	54	55.5	51
08/21/02	6:50	52.8	54.5	51
08/21/02	6:55	52.4	53.5	50.5
08/21/02	23:00	55.6	58	52.5
08/21/02	23:05	56.5	58.5	53.5
08/21/02	23:10	56.1	58	53
08/21/02	23:15	55.5	57.5	53
08/21/02	23:20	54.6	57	52
08/21/02	23:25	52.4	53	51
08/21/02	23:30	53.5	54.5	52
08/21/02	23:35	54.5	56.5	52
08/21/02	23:40	55.6	59	51
08/21/02	23:45	57.1	59.5	52
08/21/02	23:50	57.3	59.5	53.5
08/21/02	23:55	56.5	59.5	52.5
	Mean	56.7	58.2	54.5
	Maximum	60.0	61.5	58.0
	Minimum	49.0	49.5	48.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	0:00	53.1	55	51
08/22/02	0:05	54.7	57.5	51
08/22/02	0:10	53.5	56	51
08/22/02	0:15	53.9	56	51.5
08/22/02	0:20	54.7	57	51.5
08/22/02	0:25	53.4	55	51
08/22/02	0:30	52.7	54	51
08/22/02	0:35	52.6	54	50.5
08/22/02	0:40	54.5	57	51.5
08/22/02	0:45	55.1	57.5	51
08/22/02	0:50	53.8	57	50
08/22/02	0:55	54.1	57	50
08/22/02	1:00	54.1	57	50.5
08/22/02	1:05	54.3	57.5	50
08/22/02	1:10	54	57	50
08/22/02	1:15	54.3	57.5	50.5
08/22/02	1:20	55.4	58	51.5
08/22/02	1:25	54.8	56.5	52
08/22/02	1:30	54.3	56.5	51.5
08/22/02	1:35	54.4	57	51.5
08/22/02	1:40	56.3	59	53
08/22/02	1:45	56.2	59	52
08/22/02	1:50	56.1	58.5	52.5
08/22/02	1:55	56	58.5	52.5
08/22/02	2:00	56.1	58.5	52.5
08/22/02	2:05	55.6	58.5	51.5
08/22/02	2:10	55	57.5	52
08/22/02	2:15	55.3	58	52
08/22/02	2:20	53.3	56	50.5
08/22/02	2:25	50.3	51	49
08/22/02	2:30	49.9	50.5	49
08/22/02	2:35	52.9	56.5	49.5
08/22/02	2:40	54.8	58	51
08/22/02	2:45	54.9	58	50.5
08/22/02	2:50	55.8	58.5	52
08/22/02	2:55	55.6	58.5	52
08/22/02	3:00	55.4	58.5	52
08/22/02	3:05	55.4	58	52.5
08/22/02	3:10	55.5	58	52.5
08/22/02	3:15	55.1	58	51.5
08/22/02	3:20	56.4	59	52.5
08/22/02	3:25	56	58.5	52
08/22/02	3:30	55.1	58	51
08/22/02	3:35	55.7	59	51
08/22/02	3:40	54.5	57.5	50
08/22/02	3:45	52.8	55.5	50
08/22/02	3:50	52.3	53	50.5
08/22/02	3:55	52.5	53	51.5
08/22/02	4:00	52.9	54	51.5
08/22/02	4:05	55.9	58.5	52.5
08/22/02	4:10	56.6	59	53

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	4:15	56.5	59	52.5
08/22/02	4:20	56.9	59	53
08/22/02	4:25	56.9	59.5	52.5
08/22/02	4:30	57.8	60	54
08/22/02	4:35	57.3	59.5	53.5
08/22/02	4:40	57.9	60	54.5
08/22/02	4:45	57.9	60	54
08/22/02	4:50	58.3	60.5	55
08/22/02	4:55	57.7	60	54
08/22/02	5:00	58	60	54
08/22/02	5:05	58	60	54.5
08/22/02	5:10	57.6	60	54
08/22/02	5:15	57.7	59.5	54.5
08/22/02	5:20	57.7	59.5	54.5
08/22/02	5:25	57.5	59.5	54
08/22/02	5:30	57.2	59.5	54
08/22/02	5:35	56.8	59	53.5
08/22/02	5:40	57.9	60	55
08/22/02	5:45	57.5	59.5	54.5
08/22/02	5:50	57.2	59.5	54
08/22/02	5:55	56.6	59	53
08/22/02	6:00	55.3	58	50.5
08/22/02	6:05	53.5	54.5	52
08/22/02	6:10	52.7	53.5	51.5
08/22/02	6:15	52.4	53.5	51
08/22/02	6:20	52.8	53.5	51.5
08/22/02	6:25	53.2	54.5	51.5
08/22/02	6:30	54.3	56.5	51
08/22/02	6:35	54	56.5	51
08/22/02	6:40	54.3	57	51.5
08/22/02	6:45	53.5	54	51.5
08/22/02	6:50	52.9	54	51
08/22/02	6:55	55.5	58	51
08/22/02	23:00	53.7	54	53
08/22/02	23:05	53.5	54	52.5
08/22/02	23:10	53.7	54	53
08/22/02	23:15	53.1	53.5	52
08/22/02	23:20	53.8	54.5	52.5
08/22/02	23:25	53.9	55	52.5
08/22/02	23:30	53.3	54	52
08/22/02	23:35	55.2	57	52.5
08/22/02	23:40	52.9	54	52
08/22/02	23:45	53.7	55	52
08/22/02	23:50	53.7	55	52
08/22/02	23:55	53.7	55.5	52
	Mean	55.3	57.5	52.2
	Maximum	58.3	60.5	55.0
	Minimum	49.9	50.5	49.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	0:00	53.4	54	52
08/23/02	0:05	52.7	53.5	51.5
08/23/02	0:10	52.6	54	51
08/23/02	0:15	51.3	52	50.5
08/23/02	0:20	51.8	53	50.5
08/23/02	0:25	51.7	53	50.5
08/23/02	0:30	51.4	52	50.5
08/23/02	0:35	51.6	53	50
08/23/02	0:40	51.1	51.5	50
08/23/02	0:45	51	51.5	50
08/23/02	0:50	50.6	51	49.5
08/23/02	0:55	52	53.5	50.5
08/23/02	1:00	52.7	54	51
08/23/02	1:05	52.1	53.5	50.5
08/23/02	1:10	53.4	55	51
08/23/02	1:15	50.5	52	48.5
08/23/02	1:20	50.9	52	49
08/23/02	1:25	51.7	53	50
08/23/02	1:30	51.7	53	50
08/23/02	1:35	52.2	53.5	50.5
08/23/02	1:40	51.2	52	50
08/23/02	1:45	51.1	52	50
08/23/02	1:50	51.1	52	49.5
08/23/02	1:55	52	53	50
08/23/02	2:00	50.2	51.5	48.5
08/23/02	2:05	49.7	51	48
08/23/02	2:10	49.5	51	48
08/23/02	2:15	51.1	52.5	49.5
08/23/02	2:20	53.1	54.5	51
08/23/02	2:25	52.6	53.5	51
08/23/02	2:30	53.4	54	51
08/23/02	2:35	53	54	51.5
08/23/02	2:40	53.6	54.5	51.5
08/23/02	2:45	55.3	56	53.5
08/23/02	2:50	56.9	57.5	55.5
08/23/02	2:55	57.7	58.5	57
08/23/02	3:00	58.1	59	57
08/23/02	3:05	58.1	59	57
08/23/02	3:10	58.3	59	57.5
08/23/02	3:15	57.8	58.5	56.5
08/23/02	3:20	57.8	58.5	57
08/23/02	3:25	57.7	58.5	56.5
08/23/02	3:30	56.2	57.5	53
08/23/02	3:35	56.7	57.5	55.5
08/23/02	3:40	56.7	57.5	55.5
08/23/02	3:45	56.7	57.5	55.5
08/23/02	3:50	56.5	57.5	55.5
08/23/02	3:55	56.4	57	55
08/23/02	4:00	56.1	57	54.5
08/23/02	4:05	56.5	57	55.5
08/23/02	4:10	56.5	57	55.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	4:15	56.9	57.5	55.5
08/23/02	4:20	56.7	57.5	55.5
08/23/02	4:25	58.7	60.5	57
08/23/02	4:30	59.7	61	58
08/23/02	4:35	60.4	61	59.5
08/23/02	4:40	60.1	60.5	59
08/23/02	4:45	60.1	60.5	59
08/23/02	4:50	57.4	60.5	54.5
08/23/02	4:55	55.2	55.5	54.5
08/23/02	5:00	55.8	56.5	54.5
08/23/02	5:05	56.5	57	55.5
08/23/02	5:10	56.5	57	55.5
08/23/02	5:15	56.4	57	55.5
08/23/02	5:20	56.5	57	55.5
08/23/02	5:25	56.2	57	55
08/23/02	5:30	56.2	57	55
08/23/02	5:35	56.5	57	55.5
08/23/02	5:40	56.4	57	55.5
08/23/02	5:45	54.8	55.5	53.5
08/23/02	5:50	52.2	54	50
08/23/02	5:55	51.4	52.5	50
08/23/02	6:00	51	52	49.5
08/23/02	6:05	51.7	52.5	50.5
08/23/02	6:10	51.9	52.5	50
08/23/02	6:15	51.2	52	50
08/23/02	6:20	52.2	53.5	50.5
08/23/02	6:25	53.9	56	50.5
08/23/02	6:30	52.3	53.5	51
08/23/02	6:35	52.6	54.5	51
08/23/02	6:40	52.5	53.5	51
08/23/02	6:45	52.6	53.5	51.5
08/23/02	6:50	52.9	54.5	51
08/23/02	6:55	52.8	54.5	50.5
08/23/02	23:00	53.5	54	52.5
08/23/02	23:05	53.5	54.5	52.5
08/23/02	23:10	55.4	57.5	53
08/23/02	23:15	54.6	56	53
08/23/02	23:20	53.4	54.5	51.5
08/23/02	23:25	53	54	52
08/23/02	23:30	53.8	54.5	52.5
08/23/02	23:35	53.1	55	51.5
08/23/02	23:40	53	54.5	51.5
08/23/02	23:45	53.2	54	52
08/23/02	23:50	54	55	52.5
08/23/02	23:55	54.2	55.5	52.5
	Mean	55.0	56.0	53.7
	Maximum	60.4	61.0	59.5
	Minimum	49.5	51.0	48.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	0:00	53.5	54.5	51.5
08/24/02	0:05	53.5	54.5	52
08/24/02	0:10	52.3	53.5	50.5
08/24/02	0:15	52.6	53.5	51
08/24/02	0:20	52.3	53.5	50.5
08/24/02	0:25	52.7	54	50.5
08/24/02	0:30	53.6	55.5	50.5
08/24/02	0:35	52.8	54.5	50.5
08/24/02	0:40	52.5	54.5	50.5
08/24/02	0:45	53.4	56	50.5
08/24/02	0:50	52.8	53.5	50.5
08/24/02	0:55	53.5	54.5	51.5
08/24/02	1:00	52.4	53.5	50.5
08/24/02	1:05	51.6	52.5	49.5
08/24/02	1:10	50.9	52	49.5
08/24/02	1:15	51.2	52.5	49
08/24/02	1:20	51.9	52.5	50.5
08/24/02	1:25	52.1	53.5	50
08/24/02	1:30	52.2	53	50.5
08/24/02	1:35	51.6	52.5	50
08/24/02	1:40	51	52	49.5
08/24/02	1:45	52.4	53.5	50
08/24/02	1:50	52.5	56	49.5
08/24/02	1:55	51.3	52.5	49.5
08/24/02	2:00	52.7	53	50.5
08/24/02	2:05	51.9	53	50
08/24/02	2:10	49.4	50.5	48
08/24/02	2:15	51.2	52	49.5
08/24/02	2:20	52.1	53.5	50
08/24/02	2:25	52.2	53	50
08/24/02	2:30	52.4	53	51
08/24/02	2:35	50.1	51	49
08/24/02	2:40	50.6	51.5	49
08/24/02	2:45	51.3	53	49
08/24/02	2:50	53.4	54	52.5
08/24/02	2:55	54.2	54.5	53
08/24/02	3:00	54	54.5	53
08/24/02	3:05	54.4	55	53.5
08/24/02	3:10	54.6	55.5	53
08/24/02	3:15	53.8	54.5	53
08/24/02	3:20	53.8	54.5	53
08/24/02	3:25	53.2	54	51.5
08/24/02	3:30	53.7	54	52.5
08/24/02	3:35	53.8	54.5	53
08/24/02	3:40	53.8	54.5	52.5
08/24/02	3:45	54	54.5	52
08/24/02	3:50	53.4	53.5	51.5
08/24/02	3:55	55.3	56	52.5
08/24/02	4:00	52.3	53.5	50.5
08/24/02	4:05	53.8	55.5	52
08/24/02	4:10	56	56.5	55
08/24/02	4:15	57.2	58.5	56
08/24/02	4:20	57.5	58.5	56
08/24/02	4:25	56.7	57.5	55.5
08/24/02	4:30	56.7	57.5	55.5
08/24/02	4:35	59.2	60	57.5
08/24/02	4:40	60.2	60.5	59.5
08/24/02	4:45	59.9	60.5	59
08/24/02	4:50	58.8	60	55
08/24/02	4:55	56	57	54.5
08/24/02	5:00	56.2	57	55
08/24/02	5:05	56.4	57	55.5
08/24/02	5:10	56.8	57.5	56
08/24/02	5:15	56.3	57	55
08/24/02	5:20	56.5	57.5	55
08/24/02	5:25	56.9	57.5	55.5
08/24/02	5:30	56	57	54.5
08/24/02	5:35	56.9	57.5	55
08/24/02	5:40	56	57	54.5
08/24/02	5:45	54.8	56.5	50.5
08/24/02	5:50	53.5	54.5	50.5
08/24/02	5:55	51.4	53	49.5
08/24/02	6:00	52.4	53	49.5
08/24/02	6:05	51.7	53	50
08/24/02	6:10	51.1	52	49.5
08/24/02	6:15	51.6	52.5	50
08/24/02	6:20	53	53.5	50
08/24/02	6:25	54	55	50
08/24/02	6:30	51.9	53	50
08/24/02	6:35	53	54.5	50.5
08/24/02	6:40	52.8	54.5	51
08/24/02	6:45	54	56.5	51
08/24/02	6:50	53	54	51.5
08/24/02	6:55	52.5	53.5	51
08/24/02	23:00	57.5	58	56.5
08/24/02	23:05	56.9	57.5	56
08/24/02	23:10	56.7	57.5	55.5
08/24/02	23:15	55.7	56.5	54
08/24/02	23:20	54	54.5	53
08/24/02	23:25	53.2	53.5	52
08/24/02	23:30	53.6	55	51
08/24/02	23:35	52.3	53.5	51
08/24/02	23:40	52.8	54.5	51
08/24/02	23:45	53.3	54.5	51.5
08/24/02	23:50	53	54	51.5
08/24/02	23:55	53.6	55	52
	Mean	54.4	55.3	52.8
	Maximum	60.2	60.5	59.5
	Minimum	49.4	50.5	48.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	0:00	53.4	54.5	52
08/25/02	0:05	52.9	54.5	51
08/25/02	0:10	54.3	56	52
08/25/02	0:15	53.4	55	51.5
08/25/02	0:20	52.1	53	51
08/25/02	0:25	52.4	54	50.5
08/25/02	0:30	52.1	53.5	50.5
08/25/02	0:35	51.3	52.5	50
08/25/02	0:40	51	52	49.5
08/25/02	0:45	50.9	52	49.5
08/25/02	0:50	51.3	52	48.5
08/25/02	0:55	53.8	56.5	48.5
08/25/02	1:00	49.6	51	48
08/25/02	1:05	51.6	53	48.5
08/25/02	1:10	51.4	53	48
08/25/02	1:15	49.7	51.5	47.5
08/25/02	1:20	49.8	51.5	47.5
08/25/02	1:25	51.7	53.5	49
08/25/02	1:30	48.7	50.5	47
08/25/02	1:35	48.5	50	47
08/25/02	1:40	51.2	52.5	47
08/25/02	1:45	49.7	51.5	47.5
08/25/02	1:50	48.6	50	47.5
08/25/02	1:55	50.9	53.5	48
08/25/02	2:00	49.8	51	48
08/25/02	2:05	52.2	54.5	49.5
08/25/02	2:10	48.7	50.5	47
08/25/02	2:15	49.4	51.5	47.5
08/25/02	2:20	48.7	50.5	47
08/25/02	2:25	48.7	50.5	47
08/25/02	2:30	49.3	51	47.5
08/25/02	2:35	49.3	51	48
08/25/02	2:40	49.5	51	48
08/25/02	2:45	52.7	53.5	48
08/25/02	2:50	49.6	51	48
08/25/02	2:55	50.7	52	49
08/25/02	3:00	51.3	52.5	49.5
08/25/02	3:05	52.1	53	51
08/25/02	3:10	53	54.5	51
08/25/02	3:15	54.6	55	53.5
08/25/02	3:20	56.2	57.5	53.5
08/25/02	3:25	55.4	56	54
08/25/02	3:30	54.6	55.5	53
08/25/02	3:35	54.7	55.5	53.5
08/25/02	3:40	55.1	55.5	53.5
08/25/02	3:45	54.8	55.5	53.5
08/25/02	3:50	54.7	55.5	53.5
08/25/02	3:55	55	56	54
08/25/02	4:00	55.1	56	54
08/25/02	4:05	54.8	55.5	54
08/25/02	4:10	54.6	55	53.5

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	4:15	54.1	55	52.5
08/25/02	4:20	53.7	54.5	52.5
08/25/02	4:25	53.8	54.5	52.5
08/25/02	4:30	54.4	55	53.5
08/25/02	4:35	56.3	58	54
08/25/02	4:40	54.8	55.5	54
08/25/02	4:45	54.8	55.5	54
08/25/02	4:50	55.7	56.5	54
08/25/02	4:55	54.7	55	54
08/25/02	5:00	54.6	55	53.5
08/25/02	5:05	54.7	55	54
08/25/02	5:10	55	55.5	54
08/25/02	5:15	56.4	57	55
08/25/02	5:20	55.4	56	54.5
08/25/02	5:25	55.5	56	55
08/25/02	5:30	55.2	55.5	54
08/25/02	5:35	54.1	54.5	53.5
08/25/02	5:40	55.1	56	53.5
08/25/02	5:45	51.1	53.5	48
08/25/02	5:50	52.6	54	49.5
08/25/02	5:55	50.2	51	48.5
08/25/02	6:00	52.6	54	50.5
08/25/02	6:05	51	52	49.5
08/25/02	6:10	52.4	52.5	49.5
08/25/02	6:15	50.8	52	49.5
08/25/02	6:20	52.1	53	50
08/25/02	6:25	52.7	54	50.5
08/25/02	6:30	51.9	53	50
08/25/02	6:35	53.8	55.5	51
08/25/02	6:40	54.2	57	51
08/25/02	6:45	52.4	53.5	50.5
08/25/02	6:50	54.2	56	51
08/25/02	6:55	54.1	55.5	52
08/25/02	23:00	51.6	52	51
08/25/02	23:05	52	52.5	51
08/25/02	23:10	52.4	53	51.5
08/25/02	23:15	52.2	52.5	51.5
08/25/02	23:20	52.9	53.5	52
08/25/02	23:25	52.6	53	51.5
08/25/02	23:30	52.8	54	51.5
08/25/02	23:35	52.5	53	51.5
08/25/02	23:40	52.5	53	51.5
08/25/02	23:45	52.7	53.5	51.5
08/25/02	23:50	52.3	53.5	51
08/25/02	23:55	52	53	51
	Mean	53.1	54.1	51.5
	Maximum	56.4	58.0	55.0
	Minimum	48.5	50.0	47.0

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	0:00	52.9	55	51
08/26/02	0:05	51.5	52	50.5
08/26/02	0:10	50.4	52	49
08/26/02	0:15	51.1	52.5	49.5
08/26/02	0:20	51	52.5	49.5
08/26/02	0:25	50.9	52	49.5
08/26/02	0:30	50	50.5	49
08/26/02	0:35	50.5	51.5	49
08/26/02	0:40	50.1	50.5	49
08/26/02	0:45	50	50.5	49
08/26/02	0:50	50.5	51.5	49
08/26/02	0:55	50.3	51	49
08/26/02	1:00	50.7	52	49
08/26/02	1:05	50.1	50.5	49
08/26/02	1:10	49.9	50.5	49
08/26/02	1:15	51.4	52.5	50
08/26/02	1:20	50.2	51	49
08/26/02	1:25	49.2	50	48
08/26/02	1:30	49	49.5	48
08/26/02	1:35	51.6	55	48
08/26/02	1:40	50.6	51	49.5
08/26/02	1:45	50.5	51.5	49.5
08/26/02	1:50	50	50.5	49
08/26/02	1:55	50.2	51	49
08/26/02	2:00	50	50.5	49
08/26/02	2:05	49.7	50.5	48.5
08/26/02	2:10	49.7	50.5	48.5
08/26/02	2:15	49.4	50.5	48
08/26/02	2:20	49.6	50.5	48.5
08/26/02	2:25	49.7	50.5	48.5
08/26/02	2:30	49.7	50.5	48.5
08/26/02	2:35	49.1	50.5	47
08/26/02	2:40	48.1	49	47
08/26/02	2:45	47.8	49	46.5
08/26/02	2:50	50	51.5	47.5
08/26/02	2:55	52.5	53.5	51
08/26/02	3:00	52.3	53.5	51
08/26/02	3:05	52.2	53	50.5
08/26/02	3:10	51.2	52.5	49.5
08/26/02	3:15	51.2	52.5	49.5
08/26/02	3:20	51.7	53	50
08/26/02	3:25	52	53	50.5
08/26/02	3:30	52.1	53.5	50.5
08/26/02	3:35	52	53	50.5
08/26/02	3:40	52.4	53.5	50.5
08/26/02	3:45	51.6	52.5	50
08/26/02	3:50	51.4	52.5	50
08/26/02	3:55	51.7	53	50.5
08/26/02	4:00	54.3	55	53
08/26/02	4:05	55.2	56	54.5
08/26/02	4:10	55.7	56.5	54.5
08/26/02	4:15	55.3	56	54.5
08/26/02	4:20	55	55.5	54
08/26/02	4:25	55	56	54
08/26/02	4:30	54	54.5	53
08/26/02	4:35	53.8	54.5	53
08/26/02	4:40	53.7	54	53
08/26/02	4:45	53.4	54	52.5
08/26/02	4:50	53.5	54	52.5
08/26/02	4:55	53.2	54	52
08/26/02	5:00	54	54.5	53
08/26/02	5:05	54.9	55.5	54
08/26/02	5:10	55.4	56.5	54
08/26/02	5:15	55.5	56.5	54
08/26/02	5:20	54.8	55.5	54
08/26/02	5:25	53.9	54.5	53
08/26/02	5:30	52.7	54	49.5
08/26/02	5:35	51.8	55	49
08/26/02	5:40	53.6	56.5	49.5
08/26/02	5:45	54	57	49.5
08/26/02	5:50	54.4	57	50
08/26/02	5:55	54	57	50
08/26/02	6:00	53.7	56.5	50.5
08/26/02	6:05	53.1	56	50.5
08/26/02	6:10	51.6	53	50
08/26/02	6:15	51.8	53	50
08/26/02	6:20	52.8	55	50
08/26/02	6:25	54.3	57	50.5
08/26/02	6:30	53.4	56	50.5
08/26/02	6:35	54	55	51.5
08/26/02	6:40	53.8	55.5	51
08/26/02	6:45	52.5	54.5	50
08/26/02	6:50	53.3	54	50
08/26/02	6:55	51.9	53	50
08/26/02	23:00	56.1	56.5	53
08/26/02	23:05	55.5	57.5	53
08/26/02	23:10	53.7	54.5	52
08/26/02	23:15	53.1	53.5	51.5
08/26/02	23:20	53.4	54	52
08/26/02	23:25	54	55.5	52
08/26/02	23:30	54.2	55.5	51.5
08/26/02	23:35	54	55.5	52
08/26/02	23:40	54.3	56	52
08/26/02	23:45	55.7	58.5	52
08/26/02	23:50	54.8	56.5	51.5
08/26/02	23:55	51.5	52	50.5
	Mean	52.7	54.0	50.9
	Maximum	56.1	58.5	54.5
	Minimum	47.8	49.0	46.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	0:00	53	54.5	50
08/27/02	0:05	55.5	58.5	51.5
08/27/02	0:10	56.7	60.5	51.5
08/27/02	0:15	59.3	63.5	51.5
08/27/02	0:20	53.7	54	50.5
08/27/02	0:25	58.5	63	51.5
08/27/02	0:30	59.4	64.5	51.5
08/27/02	0:35	59.9	65	52
08/27/02	0:40	59.1	64	52
08/27/02	0:45	52	53	50.5
08/27/02	0:50	50.7	51.5	49.5
08/27/02	0:55	51.8	52.5	50
08/27/02	1:00	55.5	59.5	51
08/27/02	1:05	57.7	62	51.5
08/27/02	1:10	59.6	64	52.5
08/27/02	1:15	52.6	53.5	50.5
08/27/02	1:20	52.7	54	50.5
08/27/02	1:25	53.6	56.5	50
08/27/02	1:30	52.2	53	50
08/27/02	1:35	52.6	54.5	49
08/27/02	1:40	55.1	58	51.5
08/27/02	1:45	54.1	57	49.5
08/27/02	1:50	52.4	53.5	50.5
08/27/02	1:55	55.1	56	53
08/27/02	2:00	54.2	54.5	53
08/27/02	2:05	55.2	56	53.5
08/27/02	2:10	56.1	56.5	55.5
08/27/02	2:15	57.2	58	56
08/27/02	2:20	58.6	60.5	56.5
08/27/02	2:25	56.7	57.5	55.5
08/27/02	2:30	56.5	57	55.5
08/27/02	2:35	56.2	56.5	55.5
08/27/02	2:40	56.6	57	55.5
08/27/02	2:45	56.7	57.5	55.5
08/27/02	2:50	58.4	59.5	56.5
08/27/02	2:55	59.6	62	57.5
08/27/02	3:00	59.7	62	57.5
08/27/02	3:05	58	58.5	57
08/27/02	3:10	57.7	58.5	55.5
08/27/02	3:15	54.8	56.5	50.5
08/27/02	3:20	54.4	57	50.5
08/27/02	3:25	51.8	52	48.5
08/27/02	3:30	54.1	56	50.5
08/27/02	3:35	52	53	49
08/27/02	3:40	50.5	51.5	49
08/27/02	3:45	51.4	52	49
08/27/02	3:50	53.7	56.5	50
08/27/02	3:55	52.1	54	49.5
08/27/02	4:00	53.8	54.5	52.5
08/27/02	4:05	53.9	54.5	53
08/27/02	4:10	54.4	55.5	53

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	4:15	58.6	59.5	57
08/27/02	4:20	60	61	59
08/27/02	4:25	60.9	62	59.5
08/27/02	4:30	61.1	62	59.5
08/27/02	4:35	60.2	61	59
08/27/02	4:40	59.6	60.5	58.5
08/27/02	4:45	60.2	61	59
08/27/02	4:50	54.6	55.5	53.5
08/27/02	4:55	55.2	56	54
08/27/02	5:00	55.5	56	54.5
08/27/02	5:05	55.3	56	54.5
08/27/02	5:10	53.5	55	51
08/27/02	5:15	53.9	55.5	51.5
08/27/02	5:20	50.6	52	48.5
08/27/02	5:25	50.3	51.5	49
08/27/02	5:30	51.3	52	50
08/27/02	5:35	49.9	51	48.5
08/27/02	5:40	50.7	51.5	49.5
08/27/02	5:45	49.8	51	48.5
08/27/02	5:50	50	51	48.5
08/27/02	5:55	51	51.5	50
08/27/02	6:00	53.2	55	49.5
08/27/02	6:05	57.7	62.5	50
08/27/02	6:10	57.5	62	49.5
08/27/02	6:15	49.9	51	49
08/27/02	6:20	50.7	52	49.5
08/27/02	6:25	54.4	57	51
08/27/02	6:30	54.1	56	50.5
08/27/02	6:35	53.8	55	52
08/27/02	6:40	53.7	55	51
08/27/02	6:45	53.1	54	51
08/27/02	6:50	53.5	55	51
08/27/02	6:55	53.9	55.5	52
08/27/02	23:00	52.1	52.5	51
08/27/02	23:05	52.3	53.5	51
08/27/02	23:10	53.2	54	52
08/27/02	23:15	54.6	56	52
08/27/02	23:20	52.9	53.5	51.5
08/27/02	23:25	52.6	53.5	51.5
08/27/02	23:30	52.7	53.5	51.5
08/27/02	23:35	52.5	53.5	51.5
08/27/02	23:40	53.1	54.5	51.5
08/27/02	23:45	54.5	55	52.5
08/27/02	23:50	58	61.5	52
08/27/02	23:55	52.6	53.5	51
	Mean	55.8	58.0	53.3
	Maximum	61.1	62.5	59.5
	Minimum	49.8	51.0	48.5

Location BMIN :Lo Wu Public School
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	0:00	51.9	52.5	51
08/28/02	0:05	52.9	53.5	51.5
08/28/02	0:10	55	57.5	50.5
08/28/02	0:15	51.3	52.5	50
08/28/02	0:20	52.3	53.5	50.5
08/28/02	0:25	51.6	52.5	50
08/28/02	0:30	52.2	53.5	50
08/28/02	0:35	52.3	53	50
08/28/02	0:40	51.2	52	49.5
08/28/02	0:45	50.5	51	49.5
08/28/02	0:50	51.1	52	49.5
08/28/02	0:55	51	52	49.5
08/28/02	1:00	51	52	49.5
08/28/02	1:05	51.5	52	50.5
08/28/02	1:10	50.4	51	49
08/28/02	1:15	53.5	55.5	50
08/28/02	1:20	50	50.5	49
08/28/02	1:25	50.8	51.5	49
08/28/02	1:30	51.2	51.5	49
08/28/02	1:35	52.9	53.5	49.5
08/28/02	1:40	54.9	58.5	50
08/28/02	1:45	57.4	58	56.5
08/28/02	1:50	57.2	57.5	56.5
08/28/02	1:55	57.1	57.5	56.5
08/28/02	2:00	57	57.5	56.5
08/28/02	2:05	58.4	59.5	56.5
08/28/02	2:10	57.2	57.5	56.5
08/28/02	2:15	57.4	57.5	57
08/28/02	2:20	56.7	57.5	50.5
08/28/02	2:25	55.2	58.5	51
08/28/02	2:30	57.2	60.5	50.5
08/28/02	2:35	52.3	54	50.5
08/28/02	2:40	52.3	54	50
08/28/02	2:45	51.1	53	49.5
08/28/02	2:50	51.6	53.5	50
08/28/02	2:55	52.1	53	50
08/28/02	3:00	57.2	61.5	51.5
08/28/02	3:05	56.5	59	49
08/28/02	3:10	49.9	52.5	47.5
08/28/02	3:15	50	51	48.5
08/28/02	3:20	48.6	49.5	47.5
08/28/02	3:25	47.9	48.5	46.5
08/28/02	3:30	49.3	50	48.5
08/28/02	3:35	52.3	54	50.5
08/28/02	3:40	54.6	55	53.5
08/28/02	3:45	55.1	55.5	54
08/28/02	3:50	55	55.5	54
08/28/02	3:55	55.1	55.5	54
08/28/02	4:00	55.2	56	54
08/28/02	4:05	55.5	56	54.5
08/28/02	4:10	55.4	56	54.5
08/28/02	4:15	56.1	56.5	55
08/28/02	4:20	55.6	56	54.5
08/28/02	4:25	55.1	55.5	54
08/28/02	4:30	55.1	55.5	53.5
08/28/02	4:35	56.4	59	53.5
08/28/02	4:40	58.4	63	53.5
08/28/02	4:45	57.1	59	53
08/28/02	4:50	53.5	54	52.5
08/28/02	4:55	51.4	53	50
08/28/02	5:00	56.5	61	50
08/28/02	5:05	56	59.5	49.5
08/28/02	5:10	50.8	51.5	49.5
08/28/02	5:15	52.4	53	50.5
08/28/02	5:20	56.4	61	50
08/28/02	5:25	51	51.5	48
08/28/02	5:30	54.1	56	50
08/28/02	5:35	51.6	52	47.5
08/28/02	5:40	49.3	50	48.5
08/28/02	5:45	49.9	51.5	48
08/28/02	5:50	51.2	52	49.5
08/28/02	5:55	54.1	57	49
08/28/02	6:00	50.8	52.5	49
08/28/02	6:05	51.7	52.5	50
08/28/02	6:10	52.3	53.5	50
08/28/02	6:15	55.3	57	50.5
08/28/02	6:20	53.5	55.5	50
08/28/02	6:25	56.1	59	50.5
08/28/02	6:30	56.2	58	51.5
08/28/02	6:35	56.7	58	52
08/28/02	6:40	54	56	51
08/28/02	6:45	53	55	50.5
08/28/02	6:50	53.2	55.5	50.5
08/28/02	6:55	52.7	54.5	51
08/28/02	23:00	53	53.5	52
08/28/02	23:05	53.2	53.5	52
08/28/02	23:10	53.9	55.5	52.5
08/28/02	23:15	55.4	57.5	52
08/28/02	23:20	52.5	53	51.5
08/28/02	23:25	52.4	53.5	51
08/28/02	23:30	52.4	53	51.5
08/28/02	23:35	53.3	54	52
08/28/02	23:40	54.9	57.5	52
08/28/02	23:45	54	55.5	51
08/28/02	23:50	53.2	54.5	51.5
08/28/02	23:55	52.7	54	51.5
	Mean	54.2	55.9	51.8
	Maximum	58.4	63.0	55.0
	Minimum	47.9	48.5	46.5

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	0:00	54.742	55.247	54.338
08/15/02	0:05	54.54	54.944	54.136
08/15/02	0:10	54.54	55.348	54.035
08/15/02	0:15	54.742	55.348	54.237
08/15/02	0:20	54.641	55.146	54.237
08/15/02	0:25	54.54	54.843	54.237
08/15/02	0:30	54.54	54.843	54.136
08/15/02	0:35	54.54	54.944	54.237
08/15/02	0:40	54.54	54.843	54.237
08/15/02	0:45	54.944	55.348	54.439
08/15/02	0:50	55.146	55.55	54.742
08/15/02	0:55	55.146	55.55	54.742
08/15/02	1:00	55.045	55.55	54.641
08/15/02	1:05	55.045	55.853	54.54
08/15/02	1:10	54.944	55.348	54.54
08/15/02	1:15	54.944	55.348	54.54
08/15/02	1:20	54.944	55.348	54.641
08/15/02	1:25	54.944	55.449	54.54
08/15/02	1:30	54.944	55.348	54.439
08/15/02	1:35	54.843	55.247	54.338
08/15/02	1:40	54.843	55.247	54.439
08/15/02	1:45	55.045	55.449	54.641
08/15/02	1:50	54.944	55.348	54.641
08/15/02	1:55	54.843	55.247	54.54
08/15/02	2:00	54.843	55.348	54.338
08/15/02	2:05	54.742	55.146	54.439
08/15/02	2:10	54.944	55.045	54.338
08/15/02	2:15	54.641	54.944	54.338
08/15/02	2:20	54.54	54.843	54.237
08/15/02	2:25	54.944	55.247	54.439
08/15/02	2:30	54.54	54.843	54.237
08/15/02	2:35	54.54	54.843	54.237
08/15/02	2:40	54.742	55.045	54.338
08/15/02	2:45	54.54	54.843	54.338
08/15/02	2:50	54.742	55.045	54.338
08/15/02	2:55	54.742	55.045	54.439
08/15/02	3:00	54.641	54.843	54.338
08/15/02	3:05	54.641	55.045	54.338
08/15/02	3:10	54.742	55.045	54.439
08/15/02	3:15	54.843	55.247	54.439
08/15/02	3:20	54.944	55.55	54.54
08/15/02	3:25	55.045	55.651	54.54
08/15/02	3:30	54.944	55.449	54.439
08/15/02	3:35	54.944	55.55	54.54
08/15/02	3:40	54.742	55.146	54.338
08/15/02	3:45	54.742	55.045	54.439
08/15/02	3:50	54.742	55.146	54.439
08/15/02	3:55	54.742	55.045	54.439
08/15/02	4:00	54.944	55.348	54.54
08/15/02	4:05	54.944	55.348	54.54
08/15/02	4:10	54.742	55.146	54.439

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/15/02	4:15	54.843	55.348	54.439
08/15/02	4:20	54.742	55.146	54.439
08/15/02	4:25	54.843	55.146	54.54
08/15/02	4:30	54.843	55.247	54.54
08/15/02	4:35	54.742	55.045	54.338
08/15/02	4:40	54.742	55.045	54.338
08/15/02	4:45	54.742	55.045	54.439
08/15/02	4:50	54.54	54.843	54.338
08/15/02	4:55	54.54	54.843	54.237
08/15/02	5:00	54.54	54.843	54.237
08/15/02	5:05	54.54	54.843	54.237
08/15/02	5:10	54.641	54.944	54.338
08/15/02	5:15	54.641	54.944	54.439
08/15/02	5:20	55.449	57.57	54.338
08/15/02	5:25	54.54	54.843	54.237
08/15/02	5:30	54.641	54.843	54.237
08/15/02	5:35	55.045	55.853	54.338
08/15/02	5:40	56.459	58.681	54.742
08/15/02	5:45	55.954	56.661	55.146
08/15/02	5:50	56.459	57.166	55.651
08/15/02	5:55	58.479	60.802	55.752
08/15/02	6:00	62.014	63.125	56.459
08/15/02	6:05	58.176	60.095	56.257
08/15/02	6:10	57.166	58.277	55.853
08/15/02	6:15	56.257	57.065	55.55
08/15/02	6:20	56.56	57.469	55.752
08/15/02	6:25	56.762	57.772	55.853
08/15/02	6:30	56.257	57.065	55.55
08/15/02	6:35	58.075	58.58	55.348
08/15/02	6:40	56.358	57.57	55.146
08/15/02	6:45	58.479	60.398	55.449
08/15/02	6:50	56.257	57.469	54.843
08/15/02	6:55	55.853	56.964	54.641
08/15/02	23:00	66.1	69.4	54.8
08/15/02	23:05	66.2	69.3	56
08/15/02	23:10	65.6	68.8	53.8
08/15/02	23:15	63.5	67.8	50.8
08/15/02	23:20	63.1	67.5	50.6
08/15/02	23:25	59.8	63.3	50.4
08/15/02	23:30	60.5	64.1	50.5
08/15/02	23:35	61.3	64.6	50.5
08/15/02	23:40	58.9	64.4	50.2
08/15/02	23:45	59.4	64.3	50.6
08/15/02	23:50	57.4	62.9	50.8
08/15/02	23:55	55.2	58.9	50.6
	Mean	57.3	59.5	54.3
	Maximum	66.2	69.4	56.5
	Minimum	54.5	54.8	50.2

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	0:00	55.6	60	50.2
08/16/02	0:05	56.6	60.8	50.1
08/16/02	0:10	59.5	62.8	50.5
08/16/02	0:15	56.5	60.4	50
08/16/02	0:20	55.4	59.7	50
08/16/02	0:25	54.7	58.2	50
08/16/02	0:30	52.6	55.2	49.6
08/16/02	0:35	55.6	60.1	49.8
08/16/02	0:40	50.1	50.7	49.4
08/16/02	0:45	56.1	62.1	49.5
08/16/02	0:50	56.7	62.9	49.6
08/16/02	0:55	55.7	61.9	49.6
08/16/02	1:00	50.8	52.3	49.5
08/16/02	1:05	57.2	63	49.8
08/16/02	1:10	51	52.5	49.6
08/16/02	1:15	51.4	53.3	49.8
08/16/02	1:20	54.5	60.5	49.4
08/16/02	1:25	58.2	63.1	49.5
08/16/02	1:30	51.9	54	49.7
08/16/02	1:35	55.4	60.4	49.7
08/16/02	1:40	53.4	56.5	49.9
08/16/02	1:45	53.9	54.4	49.5
08/16/02	1:50	54.9	59.6	49.4
08/16/02	1:55	55.3	61.6	49.1
08/16/02	2:00	59.3	64.5	49.3
08/16/02	2:05	56.8	63.4	49.5
08/16/02	2:10	55.7	61.4	49.5
08/16/02	2:15	57.8	63.8	49.6
08/16/02	2:20	56.1	61.8	49.4
08/16/02	2:25	59.9	64.6	49.1
08/16/02	2:30	57.3	63.5	49.4
08/16/02	2:35	59.1	64.6	49.7
08/16/02	2:40	60	64.7	49.8
08/16/02	2:45	60.3	64.3	49.7
08/16/02	2:50	58	63.5	49.1
08/16/02	2:55	58.5	63.5	49.2
08/16/02	3:00	57.8	62.3	49.1
08/16/02	3:05	58.3	62.4	49.5
08/16/02	3:10	59.7	63.2	49.9
08/16/02	3:15	60.5	64.3	49.1
08/16/02	3:20	60.6	64.6	49.5
08/16/02	3:25	58.6	62.7	49.5
08/16/02	3:30	59.3	63	50.1
08/16/02	3:35	57.5	61.3	49.6
08/16/02	3:40	57.5	60.2	49.6
08/16/02	3:45	58.1	60.6	50.7
08/16/02	3:50	57.6	60.3	50
08/16/02	3:55	57.9	60	52.1
08/16/02	4:00	58.3	60.2	53.4
08/16/02	4:05	58.5	61.2	51.1
08/16/02	4:10	58.3	61	51.2

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/16/02	4:15	57.9	60.9	50.9
08/16/02	4:20	56.7	60.4	49.4
08/16/02	4:25	53.5	58	49.1
08/16/02	4:30	51.9	56	48.8
08/16/02	4:35	52.3	55.9	49
08/16/02	4:40	50.8	51	49.3
08/16/02	4:45	50.7	51	49.6
08/16/02	4:50	51.8	54	49.7
08/16/02	4:55	50.7	52.2	49.2
08/16/02	5:00	50.4	51.2	49.5
08/16/02	5:05	50.4	50.8	49.4
08/16/02	5:10	50.7	51	49.5
08/16/02	5:15	50.1	50.6	49.4
08/16/02	5:20	50.5	51.3	49.5
08/16/02	5:25	50.7	51.7	49.6
08/16/02	5:30	54.6	55	49.7
08/16/02	5:35	51	51.9	49.9
08/16/02	5:40	53.2	54	49.9
08/16/02	5:45	51.3	52.9	49.7
08/16/02	5:50	52.3	55	49.6
08/16/02	5:55	50.4	51.3	49.2
08/16/02	6:00	51.1	52.2	49.8
08/16/02	6:05	51.2	52.3	49.9
08/16/02	6:10	54.4	57	51
08/16/02	6:15	54.9	57.8	50.8
08/16/02	6:20	54.1	56.7	50.7
08/16/02	6:25	53.7	56.2	50.3
08/16/02	6:30	55.2	58	50.6
08/16/02	6:35	53.3	55.6	50.1
08/16/02	6:40	54.5	57.1	51
08/16/02	6:45	53.1	55.3	49.9
08/16/02	6:50	51.2	52.4	49.6
08/16/02	6:55	51.5	53	49.7
08/16/02	23:00	60.3	63.1	55
08/16/02	23:05	59.5	62.8	54.7
08/16/02	23:10	58.5	62.3	54.6
08/16/02	23:15	58.6	62.3	54.8
08/16/02	23:20	57.2	60.7	54.6
08/16/02	23:25	58.5	61.6	54.3
08/16/02	23:30	55.8	56	54.5
08/16/02	23:35	54.8	55.3	54.3
08/16/02	23:40	56	59.1	54.2
08/16/02	23:45	55.9	58.3	54.1
08/16/02	23:50	54.6	55	54.2
08/16/02	23:55	56.4	59.5	54.2
	Mean	56.3	60.2	50.8
	Maximum	60.6	63.1	55.0
	Minimum	50.1	50.6	48.8

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	0:00	55.3	55.7	54.1
08/17/02	0:05	54.5	54.9	54.1
08/17/02	0:10	56.8	60.2	54.3
08/17/02	0:15	55.6	56.9	54.2
08/17/02	0:20	54.7	54.9	53.9
08/17/02	0:25	57	60.2	54.2
08/17/02	0:30	55.9	58.3	54.2
08/17/02	0:35	56.2	59.2	54.1
08/17/02	0:40	55.8	58.5	54.1
08/17/02	0:45	55.7	57.8	54
08/17/02	0:50	55.3	57.6	53.9
08/17/02	0:55	56.8	59.9	54
08/17/02	1:00	54.3	54.6	53.8
08/17/02	1:05	56.3	59.6	53.8
08/17/02	1:10	56.2	59.5	53.9
08/17/02	1:15	55	55.9	53.9
08/17/02	1:20	55.8	58.9	53.9
08/17/02	1:25	55.6	58.5	53.9
08/17/02	1:30	56.6	60	53.8
08/17/02	1:35	55.5	58.2	53.9
08/17/02	1:40	54.7	54.9	53.8
08/17/02	1:45	54.5	54.8	53.8
08/17/02	1:50	55.4	58.7	53.9
08/17/02	1:55	54.2	54.6	53.8
08/17/02	2:00	54.2	54.6	53.8
08/17/02	2:05	54.6	54.7	53.8
08/17/02	2:10	54.2	54.5	53.8
08/17/02	2:15	54.7	55	53.8
08/17/02	2:20	55.4	58.4	53.8
08/17/02	2:25	54.6	54.7	53.8
08/17/02	2:30	54.5	54.7	53.9
08/17/02	2:35	54.8	55	53.9
08/17/02	2:40	55.2	56.4	53.8
08/17/02	2:45	55.4	58.1	53.7
08/17/02	2:50	54.2	54.6	53.7
08/17/02	2:55	54.8	55.1	53.9
08/17/02	3:00	55.4	57.8	53.9
08/17/02	3:05	55.4	57.7	53.9
08/17/02	3:10	54.7	54.8	53.9
08/17/02	3:15	54.8	54.9	53.9
08/17/02	3:20	55.2	56.8	53.9
08/17/02	3:25	54.5	54.8	53.9
08/17/02	3:30	55.5	57.8	54.1
08/17/02	3:35	54.9	55.2	53.9
08/17/02	3:40	54.3	54.7	53.9
08/17/02	3:45	55.3	57.2	54
08/17/02	3:50	55.8	58.3	54
08/17/02	3:55	54.4	54.8	54
08/17/02	4:00	54.4	54.8	54
08/17/02	4:05	54.5	54.9	54.1
08/17/02	4:10	54.5	54.9	54.1

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/17/02	4:15	54.3	54.6	53.9
08/17/02	4:20	54.2	54.6	53.8
08/17/02	4:25	54.3	54.6	53.9
08/17/02	4:30	54.3	54.7	53.9
08/17/02	4:35	54.4	54.8	54
08/17/02	4:40	54.4	54.8	54.1
08/17/02	4:45	54.4	54.8	54.1
08/17/02	4:50	54.5	54.8	54.1
08/17/02	4:55	54.6	55	54.2
08/17/02	5:00	54.6	54.9	54.2
08/17/02	5:05	54.6	55	54.2
08/17/02	5:10	54.7	55.1	54.2
08/17/02	5:15	54.9	55.3	54.5
08/17/02	5:20	55	55.3	54.6
08/17/02	5:25	55.1	55.5	54.6
08/17/02	5:30	55.6	55.7	54.8
08/17/02	5:35	55.2	55.6	54.5
08/17/02	5:40	54.9	55.3	54.5
08/17/02	5:45	55	55.4	54.5
08/17/02	5:50	54.9	55.4	54.5
08/17/02	5:55	55.1	55.6	54.5
08/17/02	6:00	55.7	56.4	54.9
08/17/02	6:05	58.6	59.3	55.2
08/17/02	6:10	59.1	62	55.5
08/17/02	6:15	60.8	63.7	56.7
08/17/02	6:20	57.5	59.2	55.6
08/17/02	6:25	56.6	58	55.2
08/17/02	6:30	55.9	56.7	55
08/17/02	6:35	56.1	57.2	55.1
08/17/02	6:40	56.3	57.5	55
08/17/02	6:45	56.2	57.4	54.8
08/17/02	6:50	55.6	56.7	54.6
08/17/02	6:55	56.2	57.5	54.7
08/17/02	23:00	54.6	55.1	54.2
08/17/02	23:05	57.9	62.7	54.2
08/17/02	23:10	57.8	62.5	54.2
08/17/02	23:15	57.8	60.8	54.4
08/17/02	23:20	58.6	63.5	54.2
08/17/02	23:25	58.8	63.9	54.1
08/17/02	23:30	58.5	63.6	54.2
08/17/02	23:35	57.3	58.6	54.2
08/17/02	23:40	54.7	55	54.2
08/17/02	23:45	59.4	64.4	54.4
08/17/02	23:50	54.8	55.4	54.2
08/17/02	23:55	54.6	55	54.1
	Mean	55.8	57.9	54.2
	Maximum	60.8	64.4	56.7
	Minimum	54.2	54.5	53.7

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	0:00	57.2	60.2	54.3
08/20/02	0:05	54.9	55.7	54.2
08/20/02	0:10	54.7	55.2	54.2
08/20/02	0:15	57.4	62.2	54.2
08/20/02	0:20	57.7	62.5	54.2
08/20/02	0:25	54.6	54.9	54
08/20/02	0:30	54.3	54.8	53.9
08/20/02	0:35	58.7	63.1	54.2
08/20/02	0:40	57.1	60.7	54.1
08/20/02	0:45	58.7	63.6	54.1
08/20/02	0:50	56.2	56.5	54.1
08/20/02	0:55	59.2	64	54.1
08/20/02	1:00	58.8	63.9	54
08/20/02	1:05	55.2	55.5	54.1
08/20/02	1:10	55	55.4	54
08/20/02	1:15	58.9	64.4	54.1
08/20/02	1:20	54.9	55.6	54.2
08/20/02	1:25	57	57.5	54.1
08/20/02	1:30	57.2	59.9	54.2
08/20/02	1:35	59.2	64.2	54.1
08/20/02	1:40	55.1	56	54.1
08/20/02	1:45	54.4	54.8	54
08/20/02	1:50	54.6	55.1	54.1
08/20/02	1:55	54.8	55.5	54.2
08/20/02	2:00	54.6	55.4	53.9
08/20/02	2:05	54.3	54.8	53.9
08/20/02	2:10	56.7	57	53.9
08/20/02	2:15	54.4	54.8	53.9
08/20/02	2:20	54.3	54.6	53.9
08/20/02	2:25	54.3	54.7	53.9
08/20/02	2:30	56.9	57.5	53.8
08/20/02	2:35	58.2	63.8	53.9
08/20/02	2:40	54.8	54.9	53.9
08/20/02	2:45	54.3	54.6	53.9
08/20/02	2:50	57.6	60.6	54
08/20/02	2:55	54.3	54.7	53.9
08/20/02	3:00	57.7	60.7	54.1
08/20/02	3:05	54.7	55.2	54.1
08/20/02	3:10	59.6	65.3	54.1
08/20/02	3:15	54.4	54.8	54
08/20/02	3:20	55.9	56.5	54
08/20/02	3:25	57.6	58	54.2
08/20/02	3:30	58	62.8	54.1
08/20/02	3:35	57.5	58	54
08/20/02	3:40	61.7	66.2	54.6
08/20/02	3:45	60.1	65.7	54.4
08/20/02	3:50	59.9	65.8	54.1
08/20/02	3:55	60.2	65.2	54.2
08/20/02	4:00	59	64.5	54
08/20/02	4:05	59.9	64.3	54.1
08/20/02	4:10	59	65.3	54.1

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/20/02	4:15	59.5	65.6	54.2
08/20/02	4:20	63.2	67.1	54.3
08/20/02	4:25	61.6	66.3	54.3
08/20/02	4:30	59.5	65.2	54.2
08/20/02	4:35	58.5	62.1	54.2
08/20/02	4:40	55.8	56	54.1
08/20/02	4:45	61.4	66.7	54.2
08/20/02	4:50	61.7	66.4	54.1
08/20/02	4:55	57	57.5	54.1
08/20/02	5:00	58.5	63.7	54
08/20/02	5:05	56.6	57	54.1
08/20/02	5:10	55.3	56	54.2
08/20/02	5:15	54.6	54.9	54.2
08/20/02	5:20	54.7	55	54.3
08/20/02	5:25	54.7	55	54.3
08/20/02	5:30	54.7	55	54.3
08/20/02	5:35	54.8	55.2	54.4
08/20/02	5:40	54.7	55.1	54.4
08/20/02	5:45	54.8	55.2	54.5
08/20/02	5:50	55	55.4	54.5
08/20/02	5:55	54.8	55.2	54.4
08/20/02	6:00	54.7	55	54.3
08/20/02	6:05	54.8	55.2	54.4
08/20/02	6:10	54.9	55.3	54.4
08/20/02	6:15	55	55.5	54.5
08/20/02	6:20	55.2	55.8	54.6
08/20/02	6:25	56.4	58.2	54.7
08/20/02	6:30	58.1	60.9	55.1
08/20/02	6:35	57.5	59.9	54.8
08/20/02	6:40	55.6	56.8	54.5
08/20/02	6:45	55.4	56.3	54.6
08/20/02	6:50	55.1	55.6	54.6
08/20/02	6:55	55.5	56	54.9
08/20/02	23:00	55.146	55.651	54.742
08/20/02	23:05	58.479	63.327	54.742
08/20/02	23:10	58.378	63.125	54.742
08/20/02	23:15	58.378	61.408	54.944
08/20/02	23:20	59.186	64.135	54.742
08/20/02	23:25	59.388	64.539	54.641
08/20/02	23:30	59.085	64.236	54.742
08/20/02	23:35	57.873	59.186	54.742
08/20/02	23:40	55.247	55.55	54.742
08/20/02	23:45	59.994	65.044	54.944
08/20/02	23:50	55.348	55.954	54.742
08/20/02	23:55	55.146	55.55	54.641
	Mean	57.5	61.2	54.3
	Maximum	63.2	67.1	55.1
	Minimum	54.3	54.6	53.8

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	0:00	56	57.1	54.7
08/21/02	0:05	54.9	55.4	54.5
08/21/02	0:10	55.2	56.1	54.5
08/21/02	0:15	55.7	56.9	54.6
08/21/02	0:20	55.1	56.3	54.4
08/21/02	0:25	55.2	56.2	54.5
08/21/02	0:30	54.7	55	54.4
08/21/02	0:35	54.8	55.6	54.2
08/21/02	0:40	54.9	55.2	54.5
08/21/02	0:45	55	55.4	54.7
08/21/02	0:50	55.1	55.6	54.8
08/21/02	0:55	55.2	55.6	54.8
08/21/02	1:00	55.6	56.3	54.9
08/21/02	1:05	55.1	55.6	54.7
08/21/02	1:10	55	55.3	54.7
08/21/02	1:15	54.8	55.1	54.4
08/21/02	1:20	54.9	55.4	54.4
08/21/02	1:25	55	55.6	54.5
08/21/02	1:30	55.1	55.7	54.6
08/21/02	1:35	55.9	57.7	54.6
08/21/02	1:40	54.9	55.3	54.6
08/21/02	1:45	54.9	55.2	54.6
08/21/02	1:50	55.1	55.7	54.6
08/21/02	1:55	55.1	55.3	54.8
08/21/02	2:00	55.4	55.7	55.1
08/21/02	2:05	55	55.7	54.5
08/21/02	2:10	55.1	55.6	54.5
08/21/02	2:15	55.1	55.6	54.7
08/21/02	2:20	55.2	55.8	54.8
08/21/02	2:25	55.2	55.7	54.8
08/21/02	2:30	55.1	55.6	54.8
08/21/02	2:35	55.4	55.8	55
08/21/02	2:40	55.4	56.1	54.9
08/21/02	2:45	55.6	56.2	55
08/21/02	2:50	55.3	56.1	54.8
08/21/02	2:55	55.3	56	54.8
08/21/02	3:00	55.3	55.9	54.7
08/21/02	3:05	55.4	56.1	54.8
08/21/02	3:10	55.1	55.8	54.7
08/21/02	3:15	54.9	55.2	54.6
08/21/02	3:20	55	55.2	54.6
08/21/02	3:25	54.8	55.1	54.5
08/21/02	3:30	54.9	55.2	54.6
08/21/02	3:35	54.8	55.1	54.5
08/21/02	3:40	55.3	55.8	54.9
08/21/02	3:45	55.2	55.6	54.9
08/21/02	3:50	55.3	55.7	54.9
08/21/02	3:55	56.1	57.4	55.2
08/21/02	4:00	55	55.3	54.7
08/21/02	4:05	55.1	55.7	54.7
08/21/02	4:10	55.3	55.8	54.9

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/21/02	4:15	55.1	55.6	54.6
08/21/02	4:20	55.1	55.6	54.6
08/21/02	4:25	55.1	55.7	54.7
08/21/02	4:30	54.9	55.4	54.5
08/21/02	4:35	55.1	55.7	54.6
08/21/02	4:40	55.2	55.9	54.7
08/21/02	4:45	55.3	55.9	54.7
08/21/02	4:50	55.2	55.9	54.6
08/21/02	4:55	54.8	55.2	54.5
08/21/02	5:00	55	55.3	54.7
08/21/02	5:05	55	55.3	54.6
08/21/02	5:10	55.3	55.7	54.9
08/21/02	5:15	55.3	55.7	55
08/21/02	5:20	55.3	55.8	55
08/21/02	5:25	55.2	55.6	54.8
08/21/02	5:30	54.9	55.3	54.6
08/21/02	5:35	55	55.4	54.6
08/21/02	5:40	55.3	55.8	54.8
08/21/02	5:45	55.4	55.9	54.9
08/21/02	5:50	56.1	57.2	55.1
08/21/02	5:55	55.8	56.4	55.2
08/21/02	6:00	56.2	56.8	55.4
08/21/02	6:05	57.8	60	55.3
08/21/02	6:10	61.8	64.7	57.1
08/21/02	6:15	58.1	60.6	55.1
08/21/02	6:20	56.2	57.6	54.8
08/21/02	6:25	55.2	55.9	54.7
08/21/02	6:30	55.4	55.9	54.7
08/21/02	6:35	55.9	56.4	55.2
08/21/02	6:40	55.6	56.1	55.1
08/21/02	6:45	56.1	56.7	55.3
08/21/02	6:50	55.8	56.4	55.1
08/21/02	6:55	56.3	57.5	55.2
08/21/02	23:00	54.4	54.8	54.1
08/21/02	23:05	54.5	54.9	54.2
08/21/02	23:10	54.5	54.8	54.2
08/21/02	23:15	54.3	54.6	54.1
08/21/02	23:20	54.3	54.5	54
08/21/02	23:25	54.3	54.6	54
08/21/02	23:30	54.3	54.6	54
08/21/02	23:35	54.8	55.1	54.1
08/21/02	23:40	54.3	54.6	54
08/21/02	23:45	54.4	54.7	54.1
08/21/02	23:50	55.3	56.2	54.2
08/21/02	23:55	55.7	56.5	54.2
	Mean	55.4	56.2	54.7
	Maximum	61.8	64.7	57.1
	Minimum	54.3	54.5	54.0

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	0:00	56	57.1	54.7
08/22/02	0:05	54.9	55.4	54.5
08/22/02	0:10	55.2	56.1	54.5
08/22/02	0:15	55.7	56.9	54.6
08/22/02	0:20	55.1	56.3	54.4
08/22/02	0:25	55.2	56.2	54.5
08/22/02	0:30	54.7	55	54.4
08/22/02	0:35	54.8	55.6	54.2
08/22/02	0:40	54.9	55.2	54.5
08/22/02	0:45	55	55.4	54.7
08/22/02	0:50	55.1	55.6	54.8
08/22/02	0:55	55.2	55.6	54.8
08/22/02	1:00	55.6	56.3	54.9
08/22/02	1:05	55.1	55.6	54.7
08/22/02	1:10	55	55.3	54.7
08/22/02	1:15	54.8	55.1	54.4
08/22/02	1:20	54.9	55.4	54.4
08/22/02	1:25	55	55.6	54.5
08/22/02	1:30	55.1	55.7	54.6
08/22/02	1:35	55.9	57.7	54.6
08/22/02	1:40	54.9	55.3	54.6
08/22/02	1:45	54.9	55.2	54.6
08/22/02	1:50	55.1	55.7	54.6
08/22/02	1:55	55.1	55.3	54.8
08/22/02	2:00	55.4	55.7	55.1
08/22/02	2:05	55	55.7	54.5
08/22/02	2:10	55.1	55.6	54.5
08/22/02	2:15	55.1	55.6	54.7
08/22/02	2:20	55.2	55.8	54.8
08/22/02	2:25	55.2	55.7	54.8
08/22/02	2:30	55.1	55.6	54.8
08/22/02	2:35	55.4	55.8	55
08/22/02	2:40	55.4	56.1	54.9
08/22/02	2:45	55.6	56.2	55
08/22/02	2:50	55.3	56.1	54.8
08/22/02	2:55	55.3	56	54.8
08/22/02	3:00	55.3	55.9	54.7
08/22/02	3:05	55.4	56.1	54.8
08/22/02	3:10	55.1	55.8	54.7
08/22/02	3:15	54.9	55.2	54.6
08/22/02	3:20	55	55.2	54.6
08/22/02	3:25	54.8	55.1	54.5
08/22/02	3:30	54.9	55.2	54.6
08/22/02	3:35	54.8	55.1	54.5
08/22/02	3:40	55.3	55.8	54.9
08/22/02	3:45	55.2	55.6	54.9
08/22/02	3:50	55.3	55.7	54.9
08/22/02	3:55	56.1	57.4	55.2
08/22/02	4:00	55	55.3	54.7
08/22/02	4:05	55.1	55.7	54.7
08/22/02	4:10	55.3	55.8	54.9

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/22/02	4:15	55.1	55.6	54.6
08/22/02	4:20	55.1	55.6	54.6
08/22/02	4:25	55.1	55.7	54.7
08/22/02	4:30	54.9	55.4	54.5
08/22/02	4:35	55.1	55.7	54.6
08/22/02	4:40	55.2	55.9	54.7
08/22/02	4:45	55.3	55.9	54.7
08/22/02	4:50	55.2	55.9	54.6
08/22/02	4:55	54.8	55.2	54.5
08/22/02	5:00	55	55.3	54.7
08/22/02	5:05	55	55.3	54.6
08/22/02	5:10	55.3	55.7	54.9
08/22/02	5:15	55.3	55.7	55
08/22/02	5:20	55.3	55.8	55
08/22/02	5:25	55.2	55.6	54.8
08/22/02	5:30	54.9	55.3	54.6
08/22/02	5:35	55	55.4	54.6
08/22/02	5:40	55.3	55.8	54.8
08/22/02	5:45	55.4	55.9	54.9
08/22/02	5:50	56.1	57.2	55.1
08/22/02	5:55	55.8	56.4	55.2
08/22/02	6:00	56.2	56.8	55.4
08/22/02	6:05	57.8	60	55.3
08/22/02	6:10	61.8	64.7	57.1
08/22/02	6:15	58.1	60.6	55.1
08/22/02	6:20	56.2	57.6	54.8
08/22/02	6:25	55.2	55.9	54.7
08/22/02	6:30	55.4	55.9	54.7
08/22/02	6:35	55.9	56.4	55.2
08/22/02	6:40	55.6	56.1	55.1
08/22/02	6:45	56.1	56.7	55.3
08/22/02	6:50	55.8	56.4	55.1
08/22/02	6:55	56.3	57.5	55.2
08/22/02	23:00	66.3	66.6	66.1
08/22/02	23:05	66.3	66.6	66.1
08/22/02	23:10	66.3	66.6	66
08/22/02	23:15	66.3	66.5	66
08/22/02	23:20	66.3	66.6	66.1
08/22/02	23:25	66.3	66.6	66.1
08/22/02	23:30	66.3	66.6	66
08/22/02	23:35	66.3	66.6	66
08/22/02	23:40	66.3	66.6	66
08/22/02	23:45	66.3	66.6	66
08/22/02	23:50	66.3	66.6	66
08/22/02	23:55	66.3	66.5	66
	Mean	59.3	59.8	58.8
	Maximum	66.3	66.6	66.1
	Minimum	54.7	55.0	54.2

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	0:00	66.3	66.6	66.1
08/23/02	0:05	66.3	66.6	66
08/23/02	0:10	66.4	66.6	66
08/23/02	0:15	66.3	66.6	66
08/23/02	0:20	66.3	66.6	66
08/23/02	0:25	66.3	66.6	66
08/23/02	0:30	66.3	66.6	66
08/23/02	0:35	66.3	66.6	66
08/23/02	0:40	66.3	66.6	66
08/23/02	0:45	66.3	66.6	66
08/23/02	0:50	66.3	66.6	66
08/23/02	0:55	66.3	66.6	66
08/23/02	1:00	66.3	66.6	66
08/23/02	1:05	66.3	66.6	66
08/23/02	1:10	66.4	66.6	66
08/23/02	1:15	66.4	66.7	66.1
08/23/02	1:20	66.4	66.6	66
08/23/02	1:25	66.3	66.6	66
08/23/02	1:30	66.3	66.6	66
08/23/02	1:35	66.3	66.6	66
08/23/02	1:40	66.4	66.6	66
08/23/02	1:45	66.3	66.6	66.1
08/23/02	1:50	66.3	66.6	66
08/23/02	1:55	66.3	66.5	66
08/23/02	2:00	66.3	66.6	66
08/23/02	2:05	66.3	66.6	66
08/23/02	2:10	66.3	66.6	66
08/23/02	2:15	66.3	66.6	66
08/23/02	2:20	66.4	66.6	66
08/23/02	2:25	66.3	66.6	66
08/23/02	2:30	66.3	66.6	66
08/23/02	2:35	66.4	66.6	66.1
08/23/02	2:40	66.4	66.6	66.1
08/23/02	2:45	66.4	66.7	66.1
08/23/02	2:50	66.3	66.6	66
08/23/02	2:55	66.3	66.6	66.1
08/23/02	3:00	66.3	66.6	66
08/23/02	3:05	66.3	66.6	66
08/23/02	3:10	66.4	66.6	66.1
08/23/02	3:15	66.3	66.6	66
08/23/02	3:20	66.3	66.6	66
08/23/02	3:25	66.4	66.6	66.1
08/23/02	3:30	66.3	66.6	66
08/23/02	3:35	66.3	66.6	66.1
08/23/02	3:40	66.4	66.6	66.1
08/23/02	3:45	66.3	66.6	66
08/23/02	3:50	66.3	66.6	66
08/23/02	3:55	66.4	66.7	66.1
08/23/02	4:00	66.4	66.7	66.1
08/23/02	4:05	66.5	66.8	66.2
08/23/02	4:10	66.6	66.9	66.2

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/23/02	4:15	66.5	66.8	66.2
08/23/02	4:20	66.5	66.8	66.2
08/23/02	4:25	66.5	66.9	66.2
08/23/02	4:30	66.6	67	66.3
08/23/02	4:35	66.6	67	66.2
08/23/02	4:40	66.5	66.8	66.2
08/23/02	4:45	66.7	67.1	66.3
08/23/02	4:50	66.5	66.9	66.2
08/23/02	4:55	66.4	66.8	66.1
08/23/02	5:00	66.4	66.6	66.1
08/23/02	5:05	66.4	66.6	66.1
08/23/02	5:10	66.4	66.7	66.1
08/23/02	5:15	66.4	66.8	66.1
08/23/02	5:20	66.7	67.2	66.2
08/23/02	5:25	66.4	66.7	66.1
08/23/02	5:30	66.4	66.7	66.1
08/23/02	5:35	66.4	66.6	66
08/23/02	5:40	66.4	66.7	66.1
08/23/02	5:45	66.3	66.6	66
08/23/02	5:50	66.4	66.6	66.1
08/23/02	5:55	66.3	66.6	66
08/23/02	6:00	66.3	66.6	66
08/23/02	6:05	66.3	66.6	66
08/23/02	6:10	66.3	66.6	66
08/23/02	6:15	66.4	66.6	65.9
08/23/02	6:20	66.3	66.6	66
08/23/02	6:25	66.2	66.5	66
08/23/02	6:30	66.3	66.6	66
08/23/02	6:35	66.4	66.6	66.1
08/23/02	6:40	66.4	66.7	66.1
08/23/02	6:45	66.4	66.7	66.1
08/23/02	6:50	66.3	66.6	66
08/23/02	6:55	66.3	66.6	66
08/23/02	23:00	55.3	56.3	54.3
08/23/02	23:05	55.3	56.3	54.3
08/23/02	23:10	55	56	54.1
08/23/02	23:15	55.4	56.4	54.3
08/23/02	23:20	54.9	56	54
08/23/02	23:25	55	56.2	53.9
08/23/02	23:30	55.3	56.5	54
08/23/02	23:35	54.5	55.3	53.9
08/23/02	23:40	54.3	54.6	53.9
08/23/02	23:45	53.8	54.2	53.4
08/23/02	23:50	53.9	54.2	53.5
08/23/02	23:55	54.1	54.5	53.7
	Mean	65.8	66.1	65.5
	Maximum	66.7	67.2	66.3
	Minimum	53.8	54.2	53.4

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	0:00	53.8	54.2	53.4
08/24/02	0:05	53.6	54	53.3
08/24/02	0:10	54.2	54.8	53.6
08/24/02	0:15	54.2	54.6	53.8
08/24/02	0:20	54.2	54.7	53.7
08/24/02	0:25	54.2	54.6	53.7
08/24/02	0:30	54.1	54.5	53.7
08/24/02	0:35	54	54.4	53.7
08/24/02	0:40	54.1	54.5	53.7
08/24/02	0:45	54.4	54.8	53.9
08/24/02	0:50	54	54.4	53.6
08/24/02	0:55	54.2	54.6	53.8
08/24/02	1:00	54.9	55.6	54.2
08/24/02	1:05	55	55.7	54.4
08/24/02	1:10	54.8	55.6	54.1
08/24/02	1:15	54.8	55.7	53.9
08/24/02	1:20	55.5	56.5	54.5
08/24/02	1:25	55.7	56.7	54.7
08/24/02	1:30	55.9	57.2	54.5
08/24/02	1:35	55.9	57.2	54.5
08/24/02	1:40	56.1	57.5	54.5
08/24/02	1:45	55.1	56.4	53.9
08/24/02	1:50	55.5	56.7	54.3
08/24/02	1:55	55.9	57	54.7
08/24/02	2:00	56.2	57.2	55.1
08/24/02	2:05	55.9	57	54.7
08/24/02	2:10	54.6	55.7	53.9
08/24/02	2:15	55.1	56	54.3
08/24/02	2:20	54.7	55.4	54.2
08/24/02	2:25	54.3	54.8	53.9
08/24/02	2:30	54.6	55.1	54.1
08/24/02	2:35	55.1	55.9	54.4
08/24/02	2:40	55.1	55.9	54.2
08/24/02	2:45	55.3	56.2	54.4
08/24/02	2:50	54.8	55.6	54.1
08/24/02	2:55	54.6	55.5	53.8
08/24/02	3:00	54.7	55.6	53.9
08/24/02	3:05	54.9	55.8	54.1
08/24/02	3:10	54.9	55.8	54.1
08/24/02	3:15	55.1	56	54.3
08/24/02	3:20	55.1	56	54.3
08/24/02	3:25	55	55.9	54.2
08/24/02	3:30	55.4	56.4	54.3
08/24/02	3:35	56.5	58.6	54.2
08/24/02	3:40	56.9	59.1	54.3
08/24/02	3:45	57.3	59.4	54.4
08/24/02	3:50	57.2	59.5	54.5
08/24/02	3:55	55.1	56.3	54.1
08/24/02	4:00	54.7	55.6	54
08/24/02	4:05	54.2	54.6	53.8
08/24/02	4:10	55.2	56.2	53.9

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/24/02	4:15	54.2	54.8	53.5
08/24/02	4:20	54.6	55.5	53.9
08/24/02	4:25	54.6	54.9	53.7
08/24/02	4:30	53.9	54.2	53.5
08/24/02	4:35	54.4	55.8	53.6
08/24/02	4:40	54.3	55	53.5
08/24/02	4:45	54.2	54.7	53.7
08/24/02	4:50	54.7	55.3	54.2
08/24/02	4:55	54.7	55.3	54.1
08/24/02	5:00	56.7	58	55.2
08/24/02	5:05	56.5	57.6	55.2
08/24/02	5:10	59.4	62.3	55.6
08/24/02	5:15	60.9	63.8	56.6
08/24/02	5:20	57	58.9	54.8
08/24/02	5:25	57	58.6	54.6
08/24/02	5:30	60.5	63.5	55.1
08/24/02	5:35	56.5	57.9	54.8
08/24/02	5:40	55.1	56.7	53.9
08/24/02	5:45	56.6	57.9	54.5
08/24/02	5:50	56	57.4	54.8
08/24/02	5:55	56.3	57.6	54.8
08/24/02	6:00	56.8	58.4	54.9
08/24/02	6:05	56.8	58.1	55.3
08/24/02	6:10	56.4	57.6	55
08/24/02	6:15	60.4	61	54.8
08/24/02	6:20	63.8	68.6	54.2
08/24/02	6:25	55	56.2	53.9
08/24/02	6:30	55.2	56.2	53.9
08/24/02	6:35	55.7	56.3	55.2
08/24/02	6:40	58	58.5	55.2
08/24/02	6:45	55.9	56.5	55.4
08/24/02	6:50	55.9	56.5	55.3
08/24/02	6:55	55.8	56.2	55.3
08/24/02	23:00	60.9	63.7	55.6
08/24/02	23:05	60.1	63.4	55.2
08/24/02	23:10	59.1	62.9	55.1
08/24/02	23:15	59.2	62.9	55.3
08/24/02	23:20	57.8	61.3	55.1
08/24/02	23:25	59.1	62.2	54.8
08/24/02	23:30	56.4	56.6	55
08/24/02	23:35	55.3	55.9	54.8
08/24/02	23:40	56.6	59.7	54.7
08/24/02	23:45	56.5	58.9	54.6
08/24/02	23:50	55.1	55.6	54.7
08/24/02	23:55	57	60.1	54.7
	Mean	56.4	58.3	54.4
	Maximum	63.8	68.6	56.6
	Minimum	53.6	54.0	53.3

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/25/02	0:00	55.5	56	55.1
08/25/02	0:05	55.8	56.6	55.1
08/25/02	0:10	56.2	57.4	55.2
08/25/02	0:15	55.7	56.8	55
08/25/02	0:20	55.8	56.7	55.1
08/25/02	0:25	55.3	55.6	55
08/25/02	0:30	55.4	56.1	54.8
08/25/02	0:35	55.5	55.8	55.1
08/25/02	0:40	55.6	56	55.3
08/25/02	0:45	55.7	56.1	55.4
08/25/02	0:50	55.8	56.1	55.4
08/25/02	0:55	56.1	56.8	55.5
08/25/02	1:00	55.7	56.1	55.3
08/25/02	1:05	55.6	55.9	55.3
08/25/02	1:10	55.4	55.7	55
08/25/02	1:15	55.5	56	55
08/25/02	1:20	55.6	56.1	55.1
08/25/02	1:25	55.7	56.2	55.2
08/25/02	1:30	56.4	58.2	55.2
08/25/02	1:35	55.5	55.9	55.2
08/25/02	1:40	55.5	55.8	55.2
08/25/02	1:45	55.7	56.2	55.2
08/25/02	1:50	55.7	55.9	55.4
08/25/02	1:55	56	56.2	55.7
08/25/02	2:00	55.6	56.2	55.1
08/25/02	2:05	55.7	56.1	55.1
08/25/02	2:10	55.7	56.1	55.3
08/25/02	2:15	55.8	56.3	55.4
08/25/02	2:20	55.8	56.2	55.4
08/25/02	2:25	55.7	56.1	55.4
08/25/02	2:30	56	56.3	55.6
08/25/02	2:35	56	56.6	55.5
08/25/02	2:40	56.1	56.7	55.6
08/25/02	2:45	55.9	56.6	55.4
08/25/02	2:50	55.9	56.5	55.4
08/25/02	2:55	55.9	56.4	55.3
08/25/02	3:00	56	56.6	55.4
08/25/02	3:05	55.7	56.3	55.3
08/25/02	3:10	55.5	55.8	55.2
08/25/02	3:15	55.6	55.8	55.2
08/25/02	3:20	55.4	55.7	55.1
08/25/02	3:25	55.5	55.8	55.2
08/25/02	3:30	55.4	55.7	55.1
08/25/02	3:35	55.9	56.3	55.5
08/25/02	3:40	55.8	56.1	55.5
08/25/02	3:45	55.9	56.2	55.5
08/25/02	3:50	56.6	57.9	55.8
08/25/02	3:55	55.6	55.9	55.3
08/25/02	4:00	55.7	56.2	55.3
08/25/02	4:05	55.9	56.3	55.5
08/25/02	4:10	55.7	56.1	55.2
08/25/02	4:15	55.7	56.1	55.2
08/25/02	4:20	55.7	56.2	55.3
08/25/02	4:25	55.5	56	55.1
08/25/02	4:30	55.7	56.2	55.2
08/25/02	4:35	55.8	56.4	55.3
08/25/02	4:40	55.9	56.4	55.3
08/25/02	4:45	55.8	56.4	55.2
08/25/02	4:50	55.4	55.8	55.1
08/25/02	4:55	55.6	55.9	55.3
08/25/02	5:00	55.6	55.9	55.2
08/25/02	5:05	55.9	56.2	55.5
08/25/02	5:10	55.9	56.2	55.6
08/25/02	5:15	55.9	56.3	55.6
08/25/02	5:20	55.8	56.1	55.4
08/25/02	5:25	55.5	55.9	55.2
08/25/02	5:30	55.6	56	55.2
08/25/02	5:35	55.9	56.3	55.4
08/25/02	5:40	56	56.4	55.5
08/25/02	5:45	56.6	57.7	55.7
08/25/02	5:50	56.3	56.9	55.8
08/25/02	5:55	56.7	57.3	56
08/25/02	6:00	58.3	60.6	55.9
08/25/02	6:05	62.4	65.4	57.6
08/25/02	6:10	58.7	61.2	55.7
08/25/02	6:15	56.7	58.1	55.4
08/25/02	6:20	55.8	56.4	55.3
08/25/02	6:25	56	56.4	55.3
08/25/02	6:30	56.4	56.9	55.8
08/25/02	6:35	56.1	56.6	55.7
08/25/02	6:40	56.6	57.2	55.9
08/25/02	6:45	56.3	56.9	55.7
08/25/02	6:50	56.8	58	55.8
08/25/02	6:55	56.6	57.3	55.9
08/25/02	23:00	54.4	54.8	54.1
08/25/02	23:05	54.7	55.2	54.3
08/25/02	23:10	54.9	55.6	54.3
08/25/02	23:15	55	56	54.3
08/25/02	23:20	54.7	55.5	54.2
08/25/02	23:25	54.7	55.5	54.2
08/25/02	23:30	54.7	55.6	54
08/25/02	23:35	54.4	54.9	53.9
08/25/02	23:40	54.7	55.3	54.2
08/25/02	23:45	55.3	55.9	54.6
08/25/02	23:50	55	55.6	54.5
08/25/02	23:55	55.4	56.2	54.7
	Mean	56.0	56.8	55.3
	Maximum	62.4	65.4	57.6
	Minimum	54.4	54.8	53.9

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	0:00	55.4	56.5	54.2
08/26/02	0:05	54.4	54.9	54
08/26/02	0:10	54.7	55.5	54
08/26/02	0:15	55.1	56.3	54.1
08/26/02	0:20	54.6	55.7	53.9
08/26/02	0:25	54.7	55.6	54
08/26/02	0:30	54.2	54.5	53.9
08/26/02	0:35	54.3	55	53.7
08/26/02	0:40	54.4	54.7	54
08/26/02	0:45	54.5	54.9	54.2
08/26/02	0:50	54.6	55	54.3
08/26/02	0:55	54.7	55	54.3
08/26/02	1:00	55	55.7	54.4
08/26/02	1:05	54.6	55	54.2
08/26/02	1:10	54.5	54.8	54.2
08/26/02	1:15	54.3	54.6	53.9
08/26/02	1:20	54.4	54.9	53.9
08/26/02	1:25	54.5	55	54
08/26/02	1:30	54.6	55.1	54.1
08/26/02	1:35	55.3	57.1	54.1
08/26/02	1:40	54.4	54.8	54.1
08/26/02	1:45	54.4	54.7	54.1
08/26/02	1:50	54.6	55.1	54.1
08/26/02	1:55	54.6	54.8	54.3
08/26/02	2:00	54.9	55.1	54.6
08/26/02	2:05	54.5	55.1	54
08/26/02	2:10	54.6	55	54
08/26/02	2:15	54.6	55	54.2
08/26/02	2:20	54.7	55.2	54.3
08/26/02	2:25	54.7	55.1	54.3
08/26/02	2:30	54.6	55	54.3
08/26/02	2:35	54.9	55.2	54.5
08/26/02	2:40	54.9	55.5	54.4
08/26/02	2:45	55	55.6	54.5
08/26/02	2:50	54.8	55.5	54.3
08/26/02	2:55	54.8	55.4	54.3
08/26/02	3:00	54.8	55.3	54.2
08/26/02	3:05	54.9	55.5	54.3
08/26/02	3:10	54.6	55.2	54.2
08/26/02	3:15	54.4	54.7	54.1
08/26/02	3:20	54.5	54.7	54.1
08/26/02	3:25	54.3	54.6	54
08/26/02	3:30	54.4	54.7	54.1
08/26/02	3:35	54.3	54.6	54
08/26/02	3:40	54.8	55.2	54.4
08/26/02	3:45	54.7	55	54.4
08/26/02	3:50	54.8	55.1	54.4
08/26/02	3:55	55.5	56.8	54.7
08/26/02	4:00	54.5	54.8	54.2
08/26/02	4:05	54.6	55.1	54.2
08/26/02	4:10	54.8	55.2	54.4

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/26/02	4:15	54.6	55	54.1
08/26/02	4:20	54.6	55	54.1
08/26/02	4:25	54.6	55.1	54.2
08/26/02	4:30	54.4	54.9	54
08/26/02	4:35	54.6	55.1	54.1
08/26/02	4:40	54.7	55.3	54.2
08/26/02	4:45	54.8	55.3	54.2
08/26/02	4:50	54.7	55.3	54.1
08/26/02	4:55	54.3	54.7	54
08/26/02	5:00	54.5	54.8	54.2
08/26/02	5:05	54.5	54.8	54.1
08/26/02	5:10	54.8	55.1	54.4
08/26/02	5:15	54.8	55.1	54.5
08/26/02	5:20	54.8	55.2	54.5
08/26/02	5:25	54.7	55	54.3
08/26/02	5:30	54.4	54.8	54.1
08/26/02	5:35	54.5	54.9	54.1
08/26/02	5:40	54.8	55.2	54.3
08/26/02	5:45	54.9	55.3	54.4
08/26/02	5:50	55.5	56.6	54.6
08/26/02	5:55	55.2	55.8	54.7
08/26/02	6:00	55.6	56.2	54.9
08/26/02	6:05	57.2	59.4	54.8
08/26/02	6:10	61.2	64.1	56.5
08/26/02	6:15	57.5	60	54.6
08/26/02	6:20	55.6	57	54.3
08/26/02	6:25	54.7	55.3	54.2
08/26/02	6:30	54.9	55.3	54.2
08/26/02	6:35	55.3	55.8	54.7
08/26/02	6:40	55	55.5	54.6
08/26/02	6:45	55.5	56.1	54.8
08/26/02	6:50	55.2	55.8	54.6
08/26/02	6:55	55.7	56.9	54.7
08/26/02	23:00	53.9	54.3	53.6
08/26/02	23:05	54	54.4	53.7
08/26/02	23:10	54	54.3	53.7
08/26/02	23:15	53.8	54.1	53.6
08/26/02	23:20	53.8	54	53.5
08/26/02	23:25	53.8	54.1	53.5
08/26/02	23:30	53.8	54.1	53.5
08/26/02	23:35	54.3	54.6	53.6
08/26/02	23:40	53.8	54.1	53.5
08/26/02	23:45	53.9	54.2	53.6
08/26/02	23:50	54.8	55.6	53.7
08/26/02	23:55	55.1	55.9	53.7
	Mean	54.9	55.7	54.2
	Maximum	61.2	64.1	56.5
	Minimum	53.8	54.0	53.5

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	0:00	54.9	55.3	54
08/27/02	0:05	54.2	54.4	53.7
08/27/02	0:10	54.2	54.7	53.8
08/27/02	0:15	54	54.4	53.6
08/27/02	0:20	54	54.8	53.5
08/27/02	0:25	54.2	54.8	53.7
08/27/02	0:30	54.1	54.6	53.7
08/27/02	0:35	54	54.3	53.7
08/27/02	0:40	54	54.3	53.6
08/27/02	0:45	54	54.4	53.7
08/27/02	0:50	54	54.3	53.7
08/27/02	0:55	54.4	54.8	53.9
08/27/02	1:00	54.6	55	54.2
08/27/02	1:05	54.6	55	54.2
08/27/02	1:10	54.5	55	54.1
08/27/02	1:15	54.5	55.3	54
08/27/02	1:20	54.4	54.8	54
08/27/02	1:25	54.4	54.8	54
08/27/02	1:30	54.4	54.8	54.1
08/27/02	1:35	54.4	54.9	54
08/27/02	1:40	54.4	54.8	53.9
08/27/02	1:45	54.3	54.7	53.8
08/27/02	1:50	54.3	54.7	53.9
08/27/02	1:55	54.5	54.9	54.1
08/27/02	2:00	54.4	54.8	54.1
08/27/02	2:05	54.3	54.7	54
08/27/02	2:10	54.3	54.8	53.8
08/27/02	2:15	54.2	54.6	53.9
08/27/02	2:20	54.4	54.5	53.8
08/27/02	2:25	54.1	54.4	53.8
08/27/02	2:30	54	54.3	53.7
08/27/02	2:35	54.4	54.7	53.9
08/27/02	2:40	54	54.3	53.7
08/27/02	2:45	54	54.3	53.7
08/27/02	2:50	54.2	54.5	53.8
08/27/02	2:55	54	54.3	53.8
08/27/02	3:00	54.2	54.5	53.8
08/27/02	3:05	54.2	54.5	53.9
08/27/02	3:10	54.1	54.3	53.8
08/27/02	3:15	54.1	54.5	53.8
08/27/02	3:20	54.2	54.5	53.9
08/27/02	3:25	54.3	54.7	53.9
08/27/02	3:30	54.4	55	54
08/27/02	3:35	54.5	55.1	54
08/27/02	3:40	54.4	54.9	53.9
08/27/02	3:45	54.4	55	54
08/27/02	3:50	54.2	54.6	53.8
08/27/02	3:55	54.2	54.5	53.9
08/27/02	4:00	54.2	54.6	53.9
08/27/02	4:05	54.2	54.5	53.9
08/27/02	4:10	54.4	54.8	54

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/27/02	4:15	54.4	54.8	54
08/27/02	4:20	54.2	54.6	53.9
08/27/02	4:25	54.3	54.8	53.9
08/27/02	4:30	54.2	54.6	53.9
08/27/02	4:35	54.3	54.6	54
08/27/02	4:40	54.3	54.7	54
08/27/02	4:45	54.2	54.5	53.8
08/27/02	4:50	54.2	54.5	53.8
08/27/02	4:55	54.2	54.5	53.9
08/27/02	5:00	54	54.3	53.8
08/27/02	5:05	54	54.3	53.7
08/27/02	5:10	54	54.3	53.7
08/27/02	5:15	54	54.3	53.7
08/27/02	5:20	54.1	54.4	53.8
08/27/02	5:25	54.1	54.4	53.9
08/27/02	5:30	54.9	57	53.8
08/27/02	5:35	54	54.3	53.7
08/27/02	5:40	54.1	54.3	53.7
08/27/02	5:45	54.5	55.3	53.8
08/27/02	5:50	55.9	58.1	54.2
08/27/02	5:55	55.4	56.1	54.6
08/27/02	6:00	55.9	56.6	55.1
08/27/02	6:05	57.9	60.2	55.2
08/27/02	6:10	61.4	62.5	55.9
08/27/02	6:15	57.6	59.5	55.7
08/27/02	6:20	56.6	57.7	55.3
08/27/02	6:25	55.7	56.5	55
08/27/02	6:30	56	56.9	55.2
08/27/02	6:35	56.2	57.2	55.3
08/27/02	6:40	55.7	56.5	55
08/27/02	6:45	57.5	58	54.8
08/27/02	6:50	55.8	57	54.6
08/27/02	6:55	57.9	59.8	54.9
08/27/02	23:00	54.4	54.5	54
08/27/02	23:05	54.4	54.5	53.5
08/27/02	23:10	54.7	56	53.5
08/27/02	23:15	54.2	54.5	53.5
08/27/02	23:20	60.4	65.4	55.8
08/27/02	23:25	60.6	65.8	55.7
08/27/02	23:30	60.3	65.5	55.8
08/27/02	23:35	59	60.4	55.8
08/27/02	23:40	56.4	56.7	55.8
08/27/02	23:45	61.2	66.3	56
08/27/02	23:50	56.5	57.1	55.8
08/27/02	23:55	56.2	56.7	55.7
	Mean	55.5	57.1	54.2
	Maximum	61.4	66.3	56.0
	Minimum	54.0	54.3	53.5

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/28/02	0:00	58.5	58.7	58.2
08/28/02	0:05	58.5	58.7	58.3
08/28/02	0:10	58.6	58.8	58.3
08/28/02	0:15	58.5	58.7	58.3
08/28/02	0:20	58.5	58.7	58.3
08/28/02	0:25	58.5	58.7	58.3
08/28/02	0:30	58.5	58.7	58.2
08/28/02	0:35	58.5	58.7	58.2
08/28/02	0:40	58.5	58.7	58.3
08/28/02	0:45	58.5	58.7	58.2
08/28/02	0:50	58.5	58.7	58.3
08/28/02	0:55	58.4	58.7	58.2
08/28/02	1:00	58.5	58.7	58.2
08/28/02	1:05	58.5	58.7	58.3
08/28/02	1:10	58.5	58.7	58.3
08/28/02	1:15	58.6	58.7	58.3
08/28/02	1:20	58.5	58.7	58.3
08/28/02	1:25	58.5	58.7	58.3
08/28/02	1:30	58.6	58.8	58.3
08/28/02	1:35	58.6	58.7	58.3
08/28/02	1:40	58.6	58.7	58.3
08/28/02	1:45	58.6	58.7	58.3
08/28/02	1:50	58.6	58.7	58.3
08/28/02	1:55	58.5	58.7	58.3
08/28/02	2:00	58.6	58.7	58.3
08/28/02	2:05	58.6	58.7	58.3
08/28/02	2:10	58.5	58.7	58.3
08/28/02	2:15	58.6	58.7	58.3
08/28/02	2:20	58.6	58.7	58.3
08/28/02	2:25	58.6	58.8	58.3
08/28/02	2:30	58.6	58.8	58.4
08/28/02	2:35	58.6	58.7	58.3
08/28/02	2:40	58.6	58.8	58.3
08/28/02	2:45	58.5	58.7	58.3
08/28/02	2:50	58.5	58.7	58.3
08/28/02	2:55	58.6	58.8	58.3
08/28/02	3:00	58.6	58.7	58.3
08/28/02	3:05	58.6	58.7	58.3
08/28/02	3:10	58.5	58.7	58.3
08/28/02	3:15	58.5	58.7	58.3
08/28/02	3:20	58.6	58.7	58.3
08/28/02	3:25	58.5	58.7	58.3
08/28/02	3:30	58.5	58.7	58.3
08/28/02	3:35	58.6	58.7	58.3
08/28/02	3:40	58.6	58.8	58.3
08/28/02	3:45	58.5	58.7	58.3
08/28/02	3:50	58.6	58.8	58.3
08/28/02	3:55	58.6	58.8	58.4
08/28/02	4:00	58.6	58.7	58.3
08/28/02	4:05	58.6	58.7	58.3
08/28/02	4:10	58.5	58.7	58.3
08/28/02	4:15	58.5	58.7	58.3
08/28/02	4:20	58.6	58.7	58.3
08/28/02	4:25	58.6	58.7	58.3
08/28/02	4:30	58.6	58.7	58.3
08/28/02	4:35	58.6	58.8	58.3
08/28/02	4:40	58.6	58.8	58.3
08/28/02	4:45	58.6	58.8	58.4
08/28/02	4:50	58.6	58.7	58.3
08/28/02	4:55	58.5	58.7	58.3
08/28/02	5:00	58.5	58.7	58.3
08/28/02	5:05	58.5	58.7	58.3
08/28/02	5:10	58.6	58.8	58.3
08/28/02	5:15	58.6	58.7	58.3
08/28/02	5:20	58.6	58.8	58.3
08/28/02	5:25	58.5	58.7	58.3
08/28/02	5:30	58.5	58.7	58.3
08/28/02	5:35	58.5	58.7	58.3
08/28/02	5:40	58.5	58.7	58.3
08/28/02	5:45	58.5	58.7	58.3
08/28/02	5:50	58.6	58.8	58.4
08/28/02	5:55	58.7	58.9	58.4
08/28/02	6:00	58.7	58.8	58.4
08/28/02	6:05	58.9	59.4	58.5
08/28/02	6:10	59.5	60.6	58.7
08/28/02	6:15	58.9	59.3	58.5
08/28/02	6:20	58.7	58.8	58.4
08/28/02	6:25	58.7	58.8	58.4
08/28/02	6:30	58.7	58.9	58.4
08/28/02	6:35	58.5	58.7	58.3
08/28/02	6:40	58.5	58.7	58.2
08/28/02	6:45	58.5	58.7	58.2
08/28/02	6:50	58.5	58.7	58.2
08/28/02	6:55	58.5	58.8	58.2
08/28/02	23:00	63.9	64.2	63.6
08/28/02	23:05	63.9	64.2	63.6
08/28/02	23:10	63.9	64.3	63.6
08/28/02	23:15	63.9	64.2	63.6
08/28/02	23:20	63.9	64.2	63.6
08/28/02	23:25	63.9	64.3	63.6
08/28/02	23:30	64	64.3	63.7
08/28/02	23:35	63.9	64.2	63.6
08/28/02	23:40	63.9	64.1	63.6
08/28/02	23:45	63.9	64.3	63.6
08/28/02	23:50	63.9	64.1	63.6
08/28/02	23:55	63.8	64.1	63.6
	Mean	59.7	60.0	59.4
	Maximum	64.0	64.3	63.7
	Minimum	58.4	58.7	58.2

Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

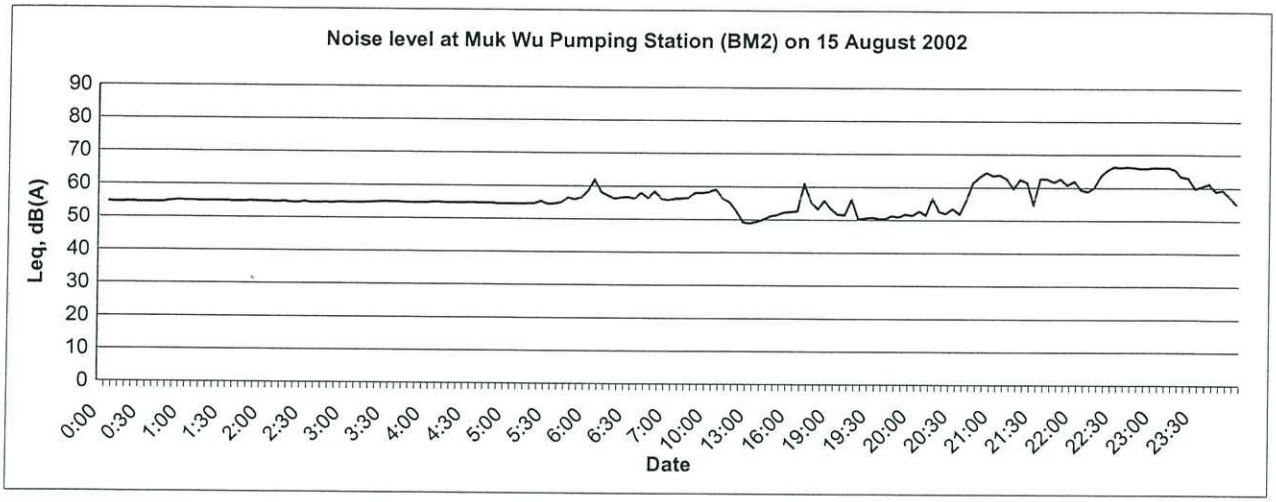
	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/29/02	0:00	63.9	64.2	63.6
08/29/02	0:05	63.9	64.2	63.7
08/29/02	0:10	64	64.3	63.7
08/29/02	0:15	63.9	64.2	63.7
08/29/02	0:20	63.9	64.2	63.7
08/29/02	0:25	63.9	64.2	63.7
08/29/02	0:30	63.9	64.2	63.6
08/29/02	0:35	63.9	64.2	63.6
08/29/02	0:40	63.9	64.2	63.7
08/29/02	0:45	63.9	64.2	63.6
08/29/02	0:50	63.9	64.2	63.7
08/29/02	0:55	63.8	64.1	63.6
08/29/02	1:00	63.9	64.1	63.6
08/29/02	1:05	63.9	64.2	63.7
08/29/02	1:10	63.9	64.2	63.7
08/29/02	1:15	64	64.2	63.7
08/29/02	1:20	63.9	64.2	63.7
08/29/02	1:25	63.9	64.2	63.7
08/29/02	1:30	64	64.3	63.7
08/29/02	1:35	64	64.2	63.7
08/29/02	1:40	64	64.2	63.7
08/29/02	1:45	64	64.2	63.7
08/29/02	1:50	64	64.2	63.7
08/29/02	1:55	63.9	64.2	63.7
08/29/02	2:00	64	64.2	63.7
08/29/02	2:05	64	64.2	63.7
08/29/02	2:10	63.9	64.2	63.7
08/29/02	2:15	64	64.2	63.7
08/29/02	2:20	64	64.2	63.7
08/29/02	2:25	64	64.3	63.7
08/29/02	2:30	64	64.3	63.8
08/29/02	2:35	64	64.2	63.7
08/29/02	2:40	64	64.3	63.7
08/29/02	2:45	63.9	64.2	63.7
08/29/02	2:50	63.9	64.2	63.7
08/29/02	2:55	64	64.3	63.7
08/29/02	3:00	64	64.2	63.7
08/29/02	3:05	64	64.2	63.7
08/29/02	3:10	63.9	64.2	63.7
08/29/02	3:15	63.9	64.2	63.7
08/29/02	3:20	64	64.2	63.7
08/29/02	3:25	63.9	64.2	63.7
08/29/02	3:30	63.9	64.2	63.7
08/29/02	3:35	64	64.2	63.7
08/29/02	3:40	64	64.3	63.7
08/29/02	3:45	63.9	64.2	63.7
08/29/02	3:50	64	64.3	63.7
08/29/02	3:55	64	64.3	63.8
08/29/02	4:00	64	64.2	63.7
08/29/02	4:05	64	64.2	63.7
08/29/02	4:10	63.9	64.2	63.7
08/29/02	4:15	63.9	64.2	63.7
08/29/02	4:20	64	64.2	63.7
08/29/02	4:25	64	64.2	63.7
08/29/02	4:30	64	64.2	63.7
08/29/02	4:35	64	64.3	63.7
08/29/02	4:40	64	64.3	63.7
08/29/02	4:45	64	64.3	63.8
08/29/02	4:50	64	64.2	63.7
08/29/02	4:55	63.9	64.2	63.7
08/29/02	5:00	63.9	64.2	63.7
08/29/02	5:05	63.9	64.2	63.7
08/29/02	5:10	64	64.3	63.7
08/29/02	5:15	64	64.2	63.7
08/29/02	5:20	64	64.3	63.7
08/29/02	5:25	63.9	64.2	63.7
08/29/02	5:30	63.9	64.2	63.7
08/29/02	5:35	63.9	64.2	63.7
08/29/02	5:40	63.9	64.2	63.7
08/29/02	5:45	63.9	64.2	63.7
08/29/02	5:50	64	64.3	63.8
08/29/02	5:55	64.1	64.4	63.8
08/29/02	6:00	64.1	64.3	63.8
08/29/02	6:05	64.4	64.9	63.9
08/29/02	6:10	65	66.2	64.1
08/29/02	6:15	64.4	64.8	63.9
08/29/02	6:20	64.1	64.3	63.8
08/29/02	6:25	64.1	64.3	63.8
08/29/02	6:30	64.1	64.4	63.8
08/29/02	6:35	63.9	64.2	63.7
08/29/02	6:40	63.9	64.2	63.6
08/29/02	6:45	63.9	64.2	63.6
08/29/02	6:50	63.9	64.2	63.6
08/29/02	6:55	63.9	64.3	63.6
08/29/02	23:00	63.9	64.2	63.7
08/29/02	23:05	63.9	64.2	63.6
08/29/02	23:10	63.9	64.2	63.7
08/29/02	23:15	63.9	64.2	63.7
08/29/02	23:20	64	64.2	63.7
08/29/02	23:25	63.9	64.2	63.7
08/29/02	23:30	63.9	64.2	63.7
08/29/02	23:35	63.9	64.2	63.6
08/29/02	23:40	63.9	64.2	63.6
08/29/02	23:45	63.9	64.2	63.6
08/29/02	23:50	63.9	64.1	63.6
08/29/02	23:55	63.9	64.2	63.7
	Mean	64.0	64.3	63.7
	Maximum	65.0	66.2	64.1
	Minimum	63.8	64.1	63.6

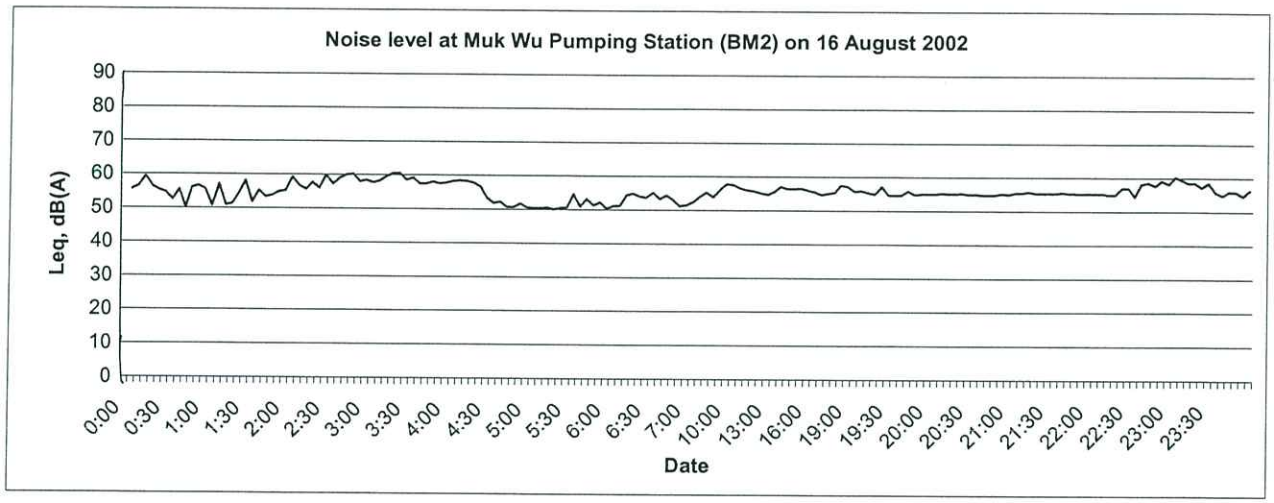
Location BM2: Muk Wu Pumping Station
Night Time 23:00-07:00 hrs of the next day Noise Monitoring results

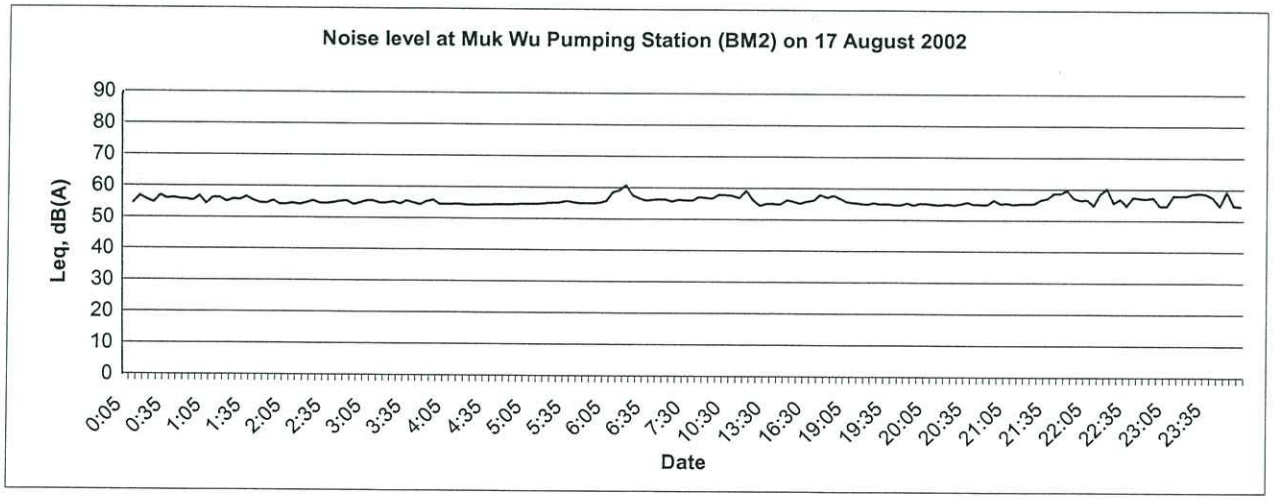
	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/30/02	0:00	64	64.2	63.7
08/30/02	0:05	63.9	64.1	63.6
08/30/02	0:10	64	64.3	63.7
08/30/02	0:15	63.9	64.2	63.7
08/30/02	0:20	64	64.3	63.7
08/30/02	0:25	63.9	64.2	63.6
08/30/02	0:30	63.9	64.2	63.7
08/30/02	0:35	63.9	64.2	63.6
08/30/02	0:40	63.9	64.2	63.7
08/30/02	0:45	64	64.3	63.7
08/30/02	0:50	64	64.2	63.7
08/30/02	0:55	64	64.2	63.7
08/30/02	1:00	63.9	64.2	63.7
08/30/02	1:05	64	64.3	63.7
08/30/02	1:10	64	64.2	63.7
08/30/02	1:15	63.9	64.2	63.7
08/30/02	1:20	64	64.2	63.7
08/30/02	1:25	63.9	64.2	63.7
08/30/02	1:30	64	64.2	63.7
08/30/02	1:35	63.9	64.2	63.7
08/30/02	1:40	64	64.2	63.7
08/30/02	1:45	63.9	64.2	63.7
08/30/02	1:50	64	64.3	63.7
08/30/02	1:55	63.9	64.2	63.7
08/30/02	2:00	64	64.2	63.7
08/30/02	2:05	63.9	64.2	63.7
08/30/02	2:10	64	64.2	63.7
08/30/02	2:15	64	64.2	63.7
08/30/02	2:20	64	64.3	63.7
08/30/02	2:25	64	64.3	63.7
08/30/02	2:30	63.9	64.2	63.7
08/30/02	2:35	64	64.3	63.7
08/30/02	2:40	64	64.3	63.8
08/30/02	2:45	64	64.3	63.7
08/30/02	2:50	64	64.2	63.7
08/30/02	2:55	64	64.3	63.7
08/30/02	3:00	64	64.2	63.7
08/30/02	3:05	64	64.3	63.7
08/30/02	3:10	64	64.3	63.7
08/30/02	3:15	64	64.3	63.8
08/30/02	3:20	64	64.3	63.7
08/30/02	3:25	64	64.3	63.8
08/30/02	3:30	64	64.3	63.7
08/30/02	3:35	64	64.2	63.7
08/30/02	3:40	64	64.3	63.8
08/30/02	3:45	64	64.3	63.7
08/30/02	3:50	63.9	64.2	63.7
08/30/02	3:55	64	64.2	63.7
08/30/02	4:00	63.9	64.2	63.7
08/30/02	4:05	63.9	64.2	63.7
08/30/02	4:10	64	64.2	63.7

	Noise Level for 5-min, dB(A)			
Date	Time	Leq	L10	L90
08/30/02	4:15	63.9	64.2	63.7
08/30/02	4:20	64	64.3	63.8
08/30/02	4:25	63.9	64.2	63.7
08/30/02	4:30	63.9	64.2	63.7
08/30/02	4:35	63.9	64.2	63.7
08/30/02	4:40	63.9	64.2	63.7
08/30/02	4:45	63.9	64.2	63.7
08/30/02	4:50	64	64.2	63.7
08/30/02	4:55	63.9	64.2	63.7
08/30/02	5:00	63.9	64.2	63.7
08/30/02	5:05	63.9	64.2	63.7
08/30/02	5:10	64	64.2	63.7
08/30/02	5:15	64	64.2	63.7
08/30/02	5:20	64	64.3	63.7
08/30/02	5:25	64	64.3	63.7
08/30/02	5:30	63.9	64.2	63.7
08/30/02	5:35	64	64.2	63.7
08/30/02	5:40	64	64.3	63.7
08/30/02	5:45	64.2	64.5	63.8
08/30/02	5:50	64.1	64.3	63.7
08/30/02	5:55	64.2	64.6	63.8
08/30/02	6:00	64	64.3	63.7
08/30/02	6:05	64	64.3	63.8
08/30/02	6:10	64.1	64.3	63.8
08/30/02	6:15	64	64.3	63.8
08/30/02	6:20	64.4	64.9	63.9
08/30/02	6:25	65.8	67	63.9
08/30/02	6:30	64.1	64.4	63.8
08/30/02	6:35	64.1	64.4	63.8
08/30/02	6:40	64.2	64.4	63.9
08/30/02	6:45	64.2	64.5	63.9
08/30/02	6:50	64.2	64.5	63.9
08/30/02	6:55	64.2	64.6	63.8
08/30/02	23:00	63.6	63.8	63.3
08/30/02	23:05	63.7	64	63.5
08/30/02	23:10	63.7	64	63.5
08/30/02	23:15	63.7	64	63.5
08/30/02	23:20	63.7	64	63.4
08/30/02	23:25	63.7	63.9	63.4
08/30/02	23:30	63.8	64.1	63.5
08/30/02	23:35	63.7	64	63.5
08/30/02	23:40	63.7	64	63.5
08/30/02	23:45	63.8	64.1	63.5
08/30/02	23:50	63.7	64	63.5
08/30/02	23:55	63.7	64	63.5
	Mean	64.0	64.3	63.7
	Maximum	65.8	67.0	63.9
	Minimum	63.6	63.8	63.3

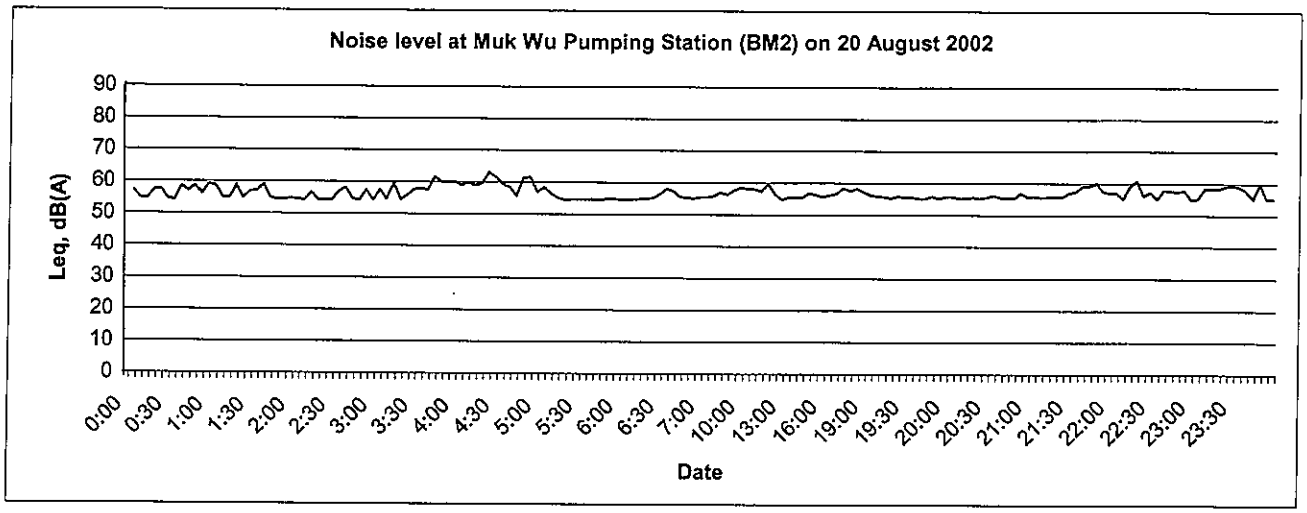
APPENDIX B5
GRAPHICAL PRESENTATION OF BASELINE NOISE MONITORING DATA

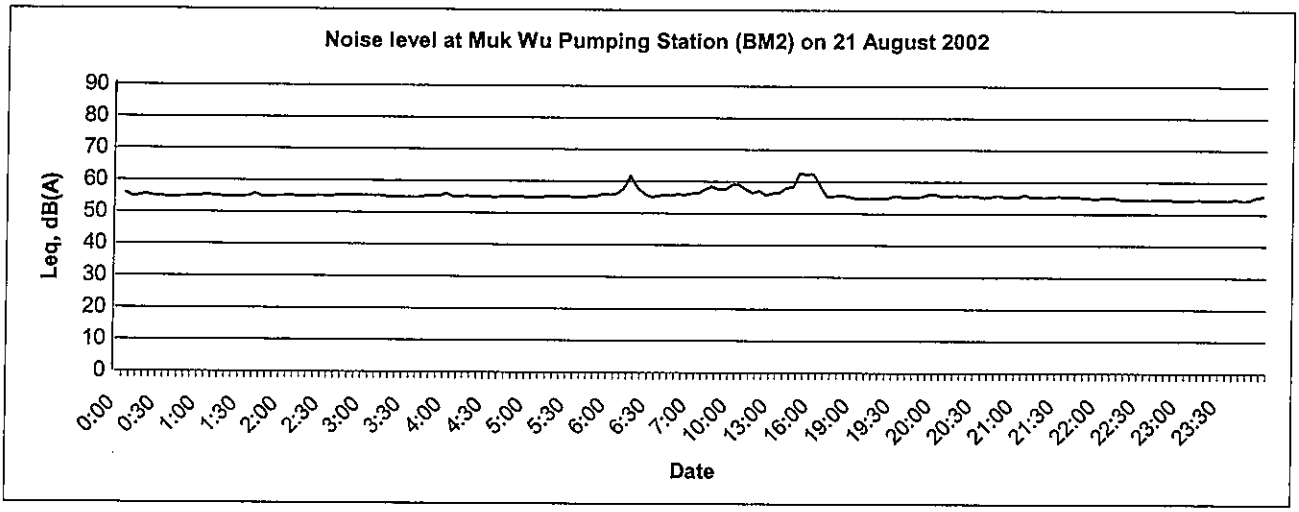


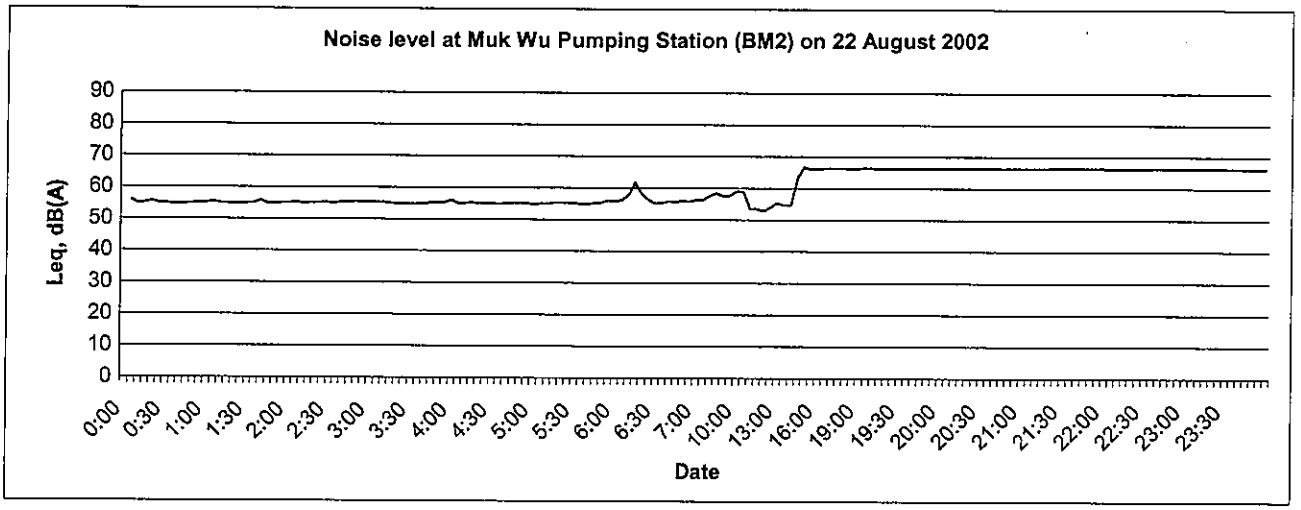




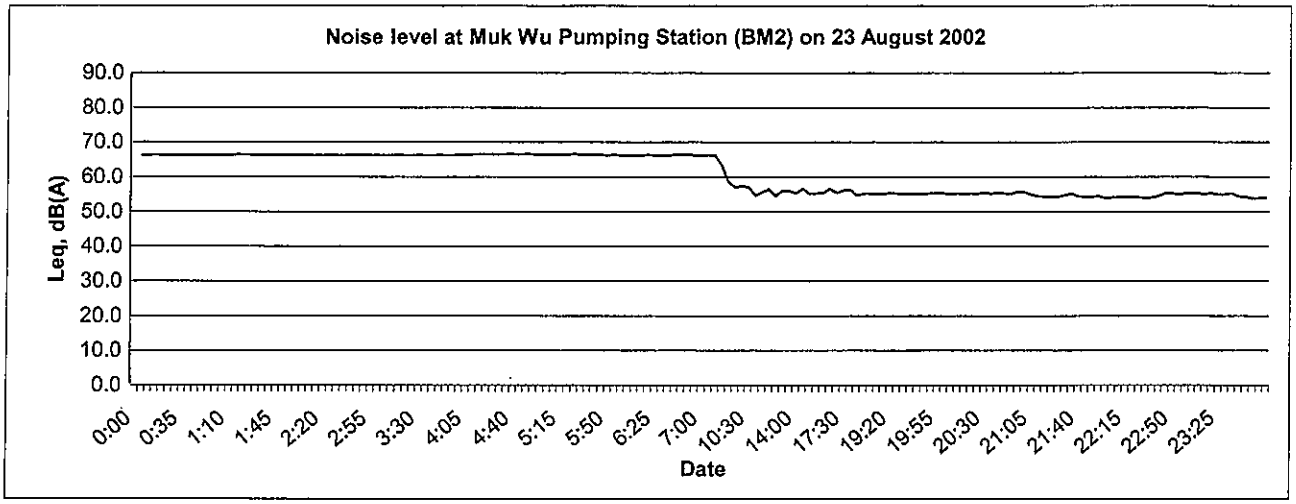
Title	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To Graphical Presentation of Baseline Noise Monitoring at Muk Wu Pumping Station (BM2)	Scale N.T.S Date Sep 02	Project No. MA2020 Appendix B-5	CINOTECH

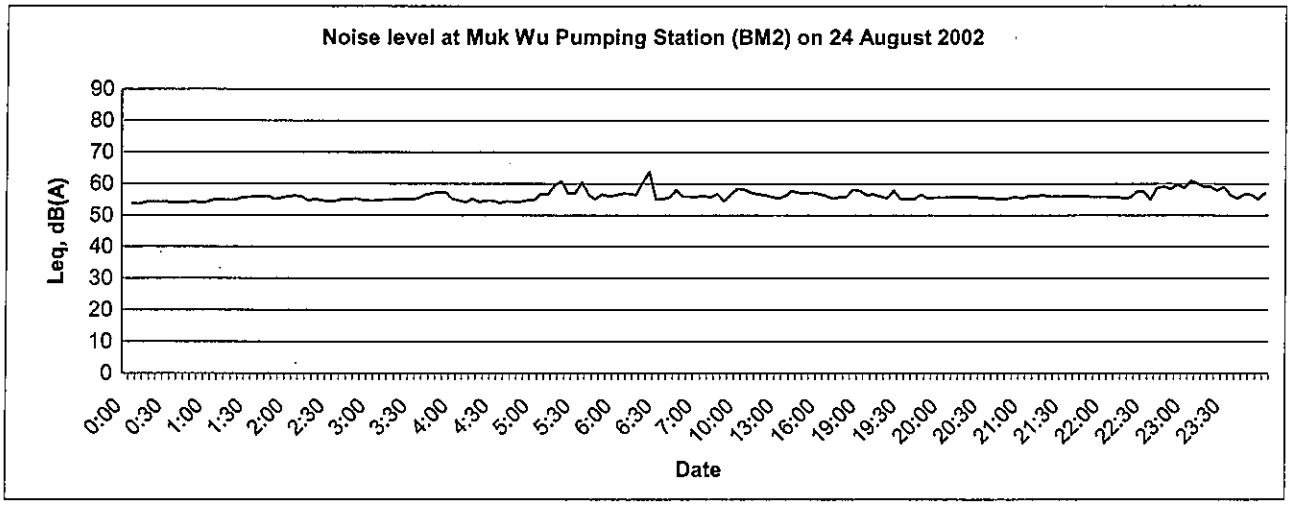


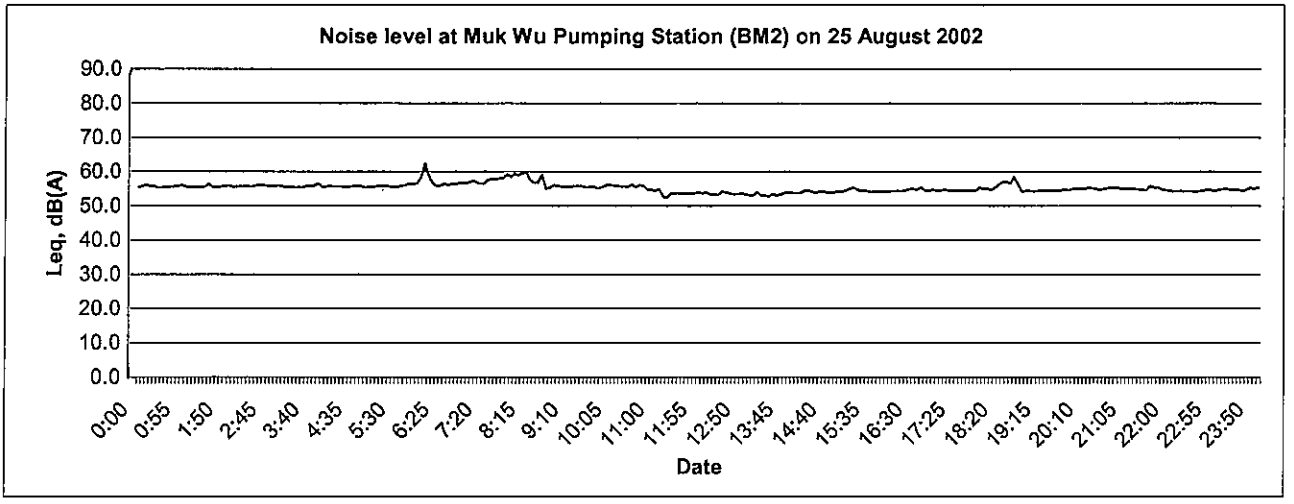




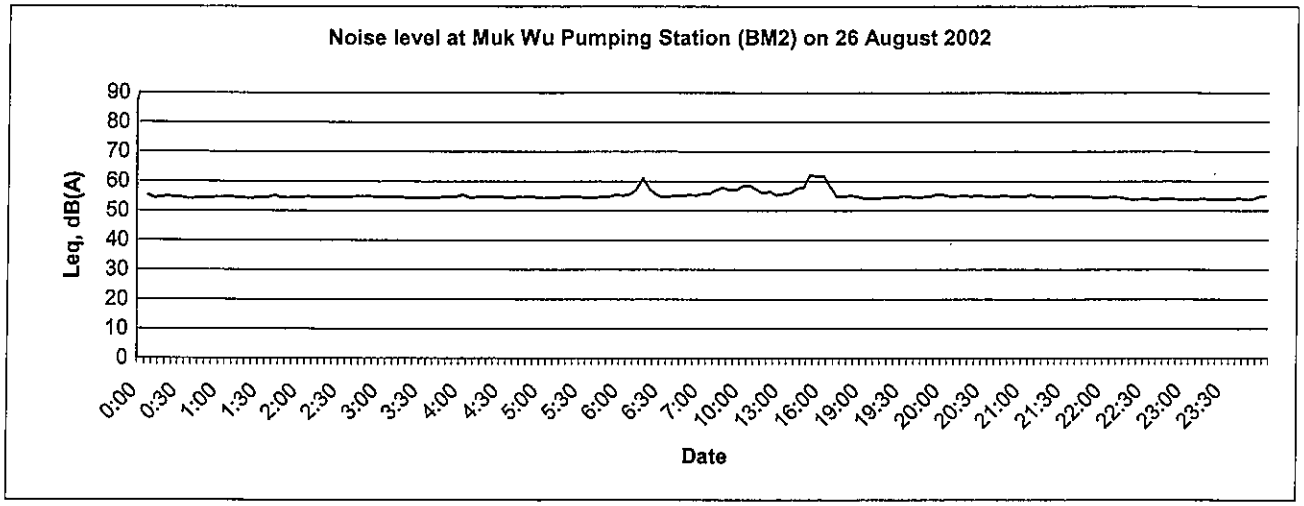
Title	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To Graphical Presentation of Baseline Noise Monitoring at Muk Wu Pumping Station (BM2)	Scale N.T.S Date Sep 02	Project No. MA2020 Appendix B-5	CINOTECH

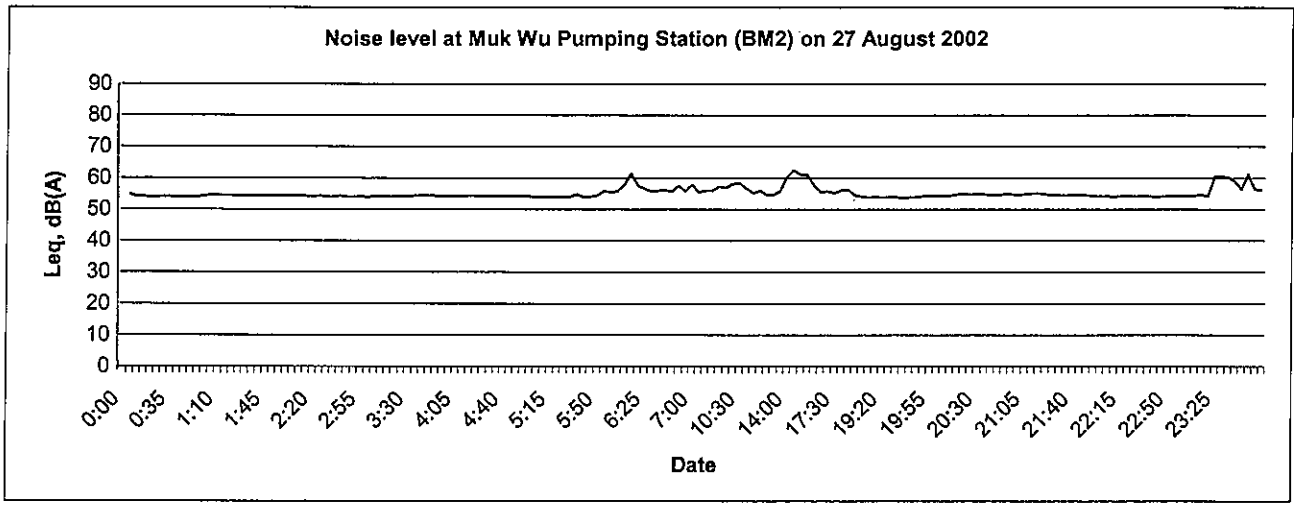


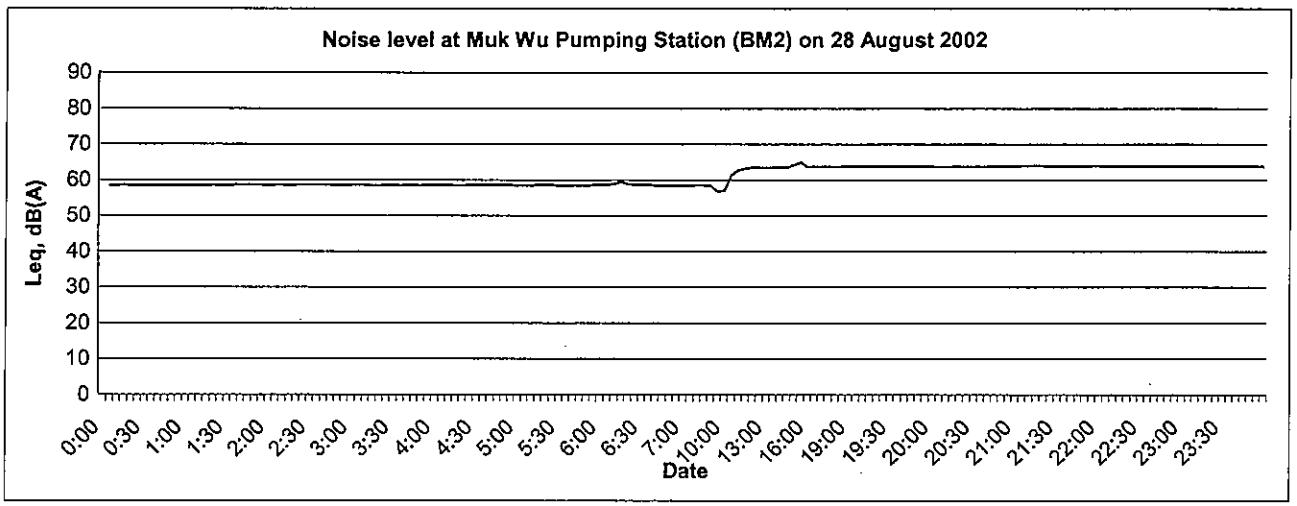




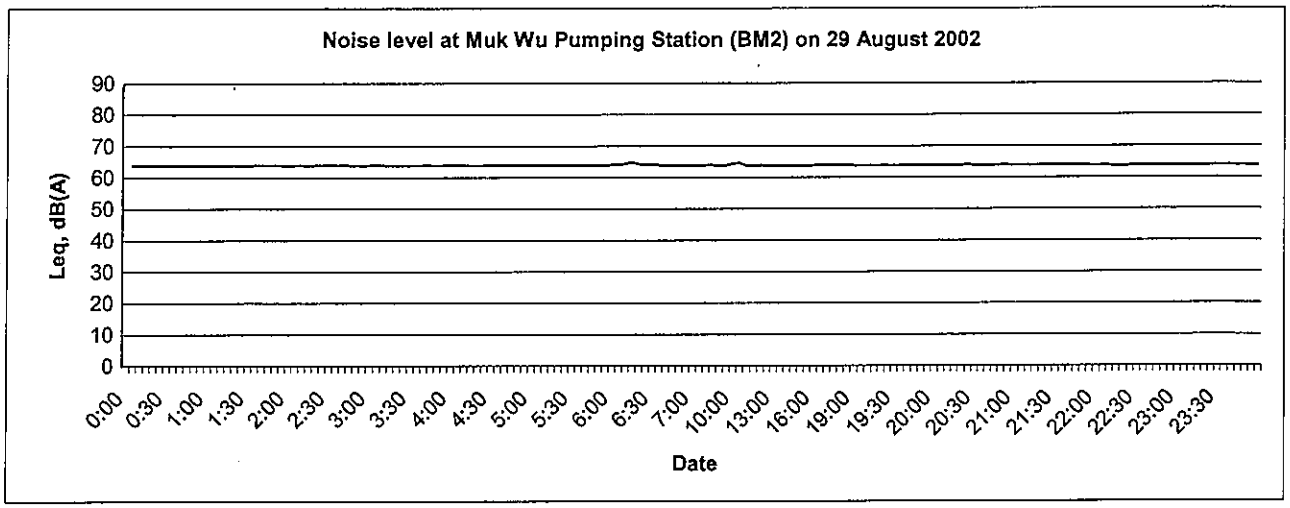
Title		Scale	Project No.	
	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To	N.T.S	MA2020	CINOTECH
	Graphical Presentation of Baseline Noise Monitoring at Muk Wu Pumping Station (BM2)	Date: Sep 02	Appendix: B-5	

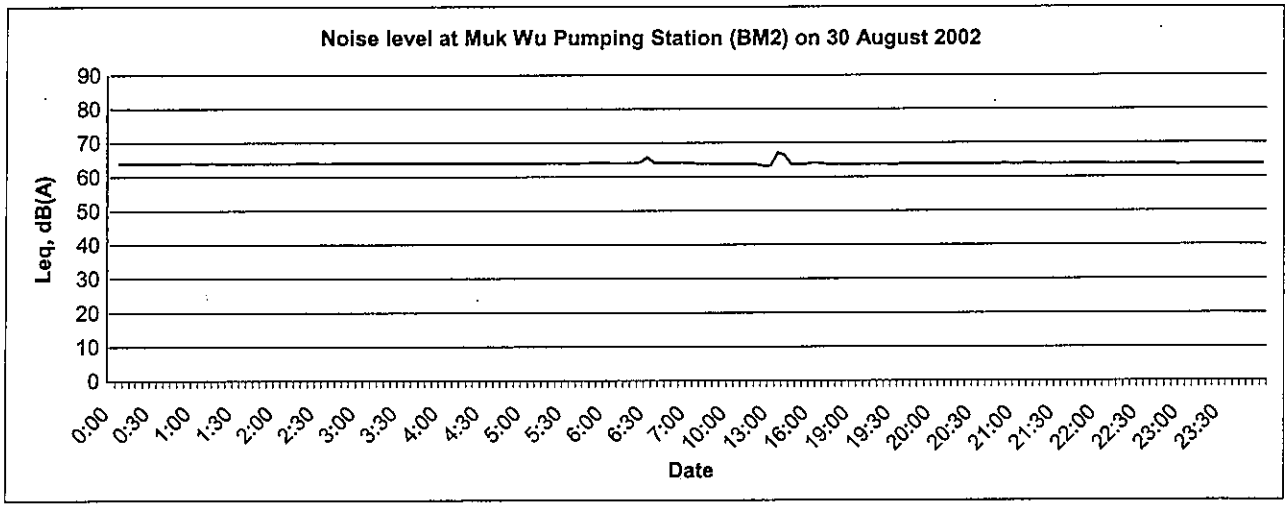






Title	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To Graphical Presentation of Baseline Noise Monitoring at Muk Wu Pumping Station (BM2)	Scale N.T.S Date Sep 02	Project No. MA2020 Appendix B-5	CINOTECH





Title	DSD Contract No. DC/2000/19 Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To Graphical Presentation of Baseline Noise Monitoring at Muk Wu Pumping Station (BM2)	Scale N.T.S Date Sep 02	Project No. MA2020 Appendix B-5	CINOTECH

APPENDIX C
WEATHER CONDITIONS DURING THE MONITORING PERIOD

Appendix C: Weather Conditions During Baseline Monitoring Period (from 13 Aug 02 to 30 Aug 02)

Date	Weather	Mean Air Temperature	Wind Speed (m/s)	Mean Relative Humidity (%)
8/13/02	Sunny	28.6	<5	81
8/14/02	Sunny	28.7	<5	80
8/15/02	Sunny	29	<5	77
8/16/02	Cloudy	29	<5	76
8/17/02	Cloudy	28.9	<5	78
8/18/02	Rainy & Windy	27.2	13.1	87
8/19/02	Rainy	27.2	11.1	89
8/20/02	Cloudy	27.5	<5	91
8/21/02	Sunny	28	<5	88
8/22/02	Sunny	29	<5	80
8/23/02	Sunny	29.1	<5	73
8/24/02	Sunny	29.1	<5	76
8/25/02	Sunny	29.3	<5	75
8/26/02	Sunny	29.3	<5	79
8/27/02	Sunny	29.7	<5	79
8/28/02	Sunny	29.5	<5	75
8/29/02	Sunny	29.8	<5	69
8/30/02	Sunny	29.6	<5	77

APPENDIX D
MONITORING SCHEDULE DURING THE BASELINE PERIOD

DSD Contract No. DC/2000/19

Regulation of Shenzhen River Stage III Phase I – Reprovisioning of Border Road and Fence At Yuen Leng Chai and Man Kam To

Noise & Air Baseline Monitring Schedule - August 2002

Location	Parameters	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
BM1A	Air - 1hr																														
	Air - 24hr																														
BM2	Air - 1hr																														
	Air - 24hr																														
BM1N	Noise																														
BM2	Noise																														

BM1A : e near Lo Wu KCRC Station
BM1N : Lo Wu Public School
BM2: Muk Wu Pumping Station