

Appendix F

The QA/QC Procedures and Results

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: R.E Site No.: AM1
 Date of visit: 14-1-2004 Hour of Visit: 11:00
 Staff name: W. L. NPK HVAS S/N: 2198
 Used filter paper no.: LQ52 New filter paper no.: LQ54
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \frac{273 + 16.5}{289.5}$ K Pressure, $P_a = 1016$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$. (inch H ₂ O)
1534(04/2002)	$\Delta H_a = 18.0(T_a/P_a) = \underline{\hspace{2cm}}$
✓ 1535(09/2003)	$\Delta H_a = 18.2(T_a/P_a) = \underline{5.18}$

Manometer reading before calibration: 5.30
 Adjustment of flow controller (Y/N): N
 Manometer reading after calibration: 5.30

Note: Tolerance Limit of HVAS flow: $\pm 1.0 \text{ ft}^3/\text{min}$. Corresponding limits for manometer : $\pm 0.2 \text{ inch H}_2\text{O}$

III. General Conditions of HVAS

IV. Remarks

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: E.G. Site No.: AM2.
 Date of visit: 14-1-04 Hour of Visit: 11:45
 Staff name: W. L. MAK - H.K. BAN HYAS S/N: 2195
 Used filter paper no.: LQ53 New filter paper no.: LQ53
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \underline{17.9+273}$ K Pressure, $P_a = \underline{1020}$ mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$. (inch H_2O)
1534(04/2002)	$\Delta H_a = 18.0(T_a/P_a) = \underline{\hspace{2cm}}$
<input checked="" type="checkbox"/> 1535(09/2003)	$\Delta H_a = 18.2(T_a/P_a) = \underline{5.2}$

Manometer reading before calibration: 5.5
 Adjustment of flow controller (Y/N): Y
 Manometer reading after calibration: 5.2

Note: Tolerance Limit of HVAS flow: $\pm 1.0 \text{ ft}^3/\text{min}$. Corresponding limits for manometer : $\pm 0.2 \text{ inch H}_2\text{O}$

III. General Conditions of HVAS

IV. Remarks

PARTISOL TSP SAMPLER
SITE VISIT LOG SHEET

Site Name: ASH LAGOON Site Number: AM3
Date of Visit: 14-1-04 Hour of Visit: 10:15
Staff Name: W.L. MAK, H.K. ISANG Partisol S/N: 2000 B20550001
Used Filter No.: PB76 New Filter No.: PB77
Ambient temperature: 16.4°C Ambient pressure: 1020 mbar

I. General Services

1. Replace control unit Large In-line Filter X
2. Clean the sample inlet head ✓
3. Clean sample tube X
4. Clean / Replace pump head X
5. Clean / Replace piston X

II. Operational Audits (3 months interval as recommended by manufacturer)

1. Temperature Check (Ambient temperature $\pm 2^\circ\text{C}$)

16.5 °C Before Calibration: Y / (N) 16.5 °C After

2. Pressure Check (Ambient pressure ± 20 mbar)(factor = 0.000987)

1020 mbar Before Calibration: Y / (N) 1020 mbar After (1.006 ATM)

3. Flow Check (16.7 \pm 1.1 litre/min)

16.91 l/min Before Calibration: Y / (N) 16.91 l/min After

III. Remarks

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
NOISE MONITORING STATION
SITE VISIT LOG SHEET

Location Ash Lagoon/~~Ching Lam~~*

Date 14-1-04 Time 10:30

Equipment Rion NA-27 Sound Level Meter

Serial Number 00111465/~~00111466/00111467~~*

Staff Attended W.L. MAK, H.K. TSANG

1. Calibration

Acoustic calibrator used Rion NC-74

Calibration level before adjustment (dB(A)) 94.0

Calibration level after adjustment (dB(A)) 94

2. Weather Conditions

a. ~~Sunny/fine/cloudy/showery/heavy rain*~~

b. ~~Strong wind/breeze/calm*~~

3. Remark/Observation

Note: * - Please delete where inappropriate

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
NOISE MONITORING STATION
SITE VISIT LOG SHEET

Location Ash Lagoon/Ching Lam*

Date 15-1-04 Time 10:30

Equipment B&K 2238F
~~Rion NA-27~~ Sound Level Meter

Serial Number 00111465/00111466/00111467* 2343838

Staff Attended W.L. MAK ; H.K. TSANG

1. Calibration

Acoustic calibrator used Rion NC-74

Calibration level before adjustment (dB(A)) 94.0

Calibration level after adjustment (dB(A)) 94

2. Weather Conditions

a. ~~Sunny/fine/cloudy/showery/heavy rain*~~

b. ~~Strong wind/breeze/calm*~~

3. Remark/Observation

Note: * - Please delete where inappropriate