

Appendix F

The QA/QC Procedures and Results

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: RE Site No.: Am 1
 Date of visit: 14-8-2006 Hour of Visit: 1035
 Staff name: W. L. Mak HVAS S/N: 2198
 Used filter paper no.: LT 78 New filter paper no.: LT 80
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \frac{273 + 33.2}{306.2}$ K Pressure, $P_a = \underline{997}$ 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)
1535(09/2005)	$\Delta H_a = 19.29(T_a/P_a) = \underline{5.91}$

Manometer reading before calibration: 5.70
 Adjustment of flow controller (Y/N): Y
 Manometer reading after calibration: 5.90

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: EG Site No.: AN2
 Date of visit: 14-8-2006 Hour of Visit: 1115
 Staff name: W L MAK HVAS S/N: 2195
 Used filter paper no.: LT79 New filter paper no.: LT81
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a = \frac{273 + 33.2}{306.2} \text{ K}$ Pressure, $P_a = \underline{999} \text{ mb}$

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)
1535(09/2005)	$\Delta H_a = 19.29(T_a/P_a) = \underline{5.91}$

Manometer reading before calibration: 5.70
 Adjustment of flow controller (Y/N): Y
 Manometer reading after calibration: 5.90

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: AM 3
Date of Visit: 14-8-2006 Hour of Visit: 0945
Staff Name: W. L MAK / HKTSANG Partisol S/N: 14006 20755C410
Used Filter No.: PD 36 New Filter No.: PD 37
Ambient temperature: 32.0° Ambient pressure: 999

I. General Services

1. Replace control unit Large In-line Filter X
2. Clean the sample inlet head ✓
3. Clean sample tube ✓
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 $\pm 2^{\circ}\text{C}$)
_____ $^{\circ}\text{C}$ Calibration: Y/N _____ $^{\circ}\text{C}$
Before After
2. Pressure Check (Ambient pressure ± 20 mbar)(factor = 0.000987)
_____ mbar Calibration: Y/N _____ mbar
Before After
3. Flow Check (16.7 \pm 1.1 litre/min)
_____ l/min Calibration: Y/N _____ l/min
Before After

III. Remarks

MINI VOLUME AIR SAMPLER

SITE VISIT LOG SHEET

Site Name: TYV Site No.: AM4
Date of visit: 14-8-06 Hour of Visit: 11:10
Staff name: H.K. TSANG MINIVOL S/N: 33P
Used filter paper no.: MI 20 New filter paper no.: MI 21

Type of filter: ~~Cellulose~~ / Glass-fibre
(Delete as appropriate)

I. Calibration is performed by using Drycal DC-2 Flow Calibrator
5 Sl/min set point is recommended

4.975 Before 5000 After

II. General Service of Mini Vol Air Sampler

1. Clean Rotameter: _____ X
2. Clean / replace Pump Valves: _____ X
3. Clean / ~~replace~~ Pump Diaphragms: _____ ✓
4. Clean Impaction Inlet: _____ X
5. Replace Timer Battery Every 6 months: _____ X
6. Replace Inlet Filter: _____ ✓

III. Remarks

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

Location Ash Lagoon/Ching Lam*

Date 14-8-06 Time 10:00

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

Serial Number ~~00111465/00111466/00111467/2343838/2356907*~~

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

Equipment Calibration Record for August 2006

Site: Civil works for 275kV Cable Route from Lamma Island to Cyberport

Noise Equipment Used: RION NL – 31

Calibrator Used: RION NC – 74

Measurement Location: N4 – Pak Kok Tsui No. 2

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
01/08/2006	94.0	94.0	C K Law
04/08/2006	94.0	94.0	C K Law
08/08/2006	94.0	94.0	C K Siu
11/08/2006	94.0	94.0	C K Siu
15/08/2006	94.0	94.0	C K Siu
18/08/2006	94.0	94.0	C K Siu
22/08/2006	94.0	94.0	C K Siu
25/08/2006	94.0	94.0	C K Siu
29/08/2006	94.0	94.0	C K Siu

Measurement Location: N5 – Pak Kok Tsui No. 8

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
01/08/2006	94.0	94.0	C K Law
04/08/2006	94.0	94.0	C K Law
8/08/2006	94.0	94.0	C K Siu
11/08/2006	94.0	94.0	C K Siu
15/08/2006	94.0	94.0	C K Siu
18/08/2006	94.0	94.0	C K Siu
22/08/2006	94.0	94.0	C K Siu
25/08/2006	94.0	94.0	C K Siu
29/08/2006	94.0	94.0	C K Siu

Note: Measurement accepted as valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.