

# Appendix F

The QA/QC Procedures and Results

HIGH VOLUME AIR SAMPLER  
SITE VISIT LOG SHEET

Site Name: RE Site No.: AM1  
 Date of visit: 19-7-2005 Hour of Visit: 1035  
 Staff name: W. L. MAH HVAS S/N: 2198  
 Used filter paper no.: LS43 New filter paper no.: LS45  
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature,  $T_a = \frac{273 + 36.5}{309.5}$  K Pressure,  $P_a = 1004$  mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40$ ft <sup>3</sup> /min. (inch H <sub>2</sub> O)
1534(09/2004)	$\Delta H_a = 18.33(T_a/P_a) = 5.65$

Manometer reading before calibration: 5.60  
 Adjustment of flow controller (Y/N): N  
 Manometer reading after calibration: 5.60

Note: Tolerance Limit of HVAS flow:  $\pm 1.0$  ft<sup>3</sup>/min. Corresponding limits for manometer :  $\pm 0.2$  inch H<sub>2</sub>O

III. General Conditions of HVAS

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IV. Remarks

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HIGH VOLUME AIR SAMPLER  
SITE VISIT LOG SHEET

Site Name: EG Site No.: AM2  
 Date of visit: 19-7-08 Hour of Visit: 10.00  
 Staff name: W.L.MAK, H.K. TSANG HVAS S/N: 2195  
 Used filter paper no.: LS44 New filter paper no.: LS46  
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature,  $T_a = \frac{32 + 273}{308}$  K Pressure,  $P_a = 1005$  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 $\text{H}_2\text{O}$ )
1534(09/2004)	$\Delta H_a = 18.33(T_a/P_a) = 5.56$

Manometer reading before calibration: 5.4  
 Adjustment of flow controller (Y/N): Y  
 Manometer reading after calibration: 5.5

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

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IV. Remarks

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MINI VOLUME AIR SAMPLER  
SITE VISIT LOG SHEET

Site Name: TYU Site No.: AM4  
Date of visit: 19-7-05 Hour of Visit: 10:40  
Staff name: H.K. TSANG MINIVOL S/N: 3383  
Used filter paper no.: MH53 New filter paper no.: MH54

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

5.0 Before 5.0 After

II. General Service of Mini Vol Air Sampler

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

III. Remarks

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

Location Ash Lagoon/~~Ching Lam\*~~

Date 12-7-05 Time 14:00

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

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

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

1. Calibration

Acoustic calibrator used Rion NC-74

Calibration level before adjustment (dB(A)) 93.9

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

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Note: \* - Please delete where inappropriate





## Equipment Calibration Record for July 2005

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

Noise Equipment Used: RION NL – 31(\*) / ACO TYPE 6224(#)

Calibrator Used: RION NC – 74(\*) / ACO TYPE 2126(#)

Measurement Location: N4 – Pak Kok Tsui No. 2

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
05/07/2005(*)	94.0	94.0	Anthony Wong
08/07/2005(*)	94.0	94.0	Anthony Wong
12/07/2005(*)	94.0	94.0	Anthony Wong
15/07/2005(*)	94.0	94.0	Anthony Wong
19/07/2005(#)	94.0	94.0	Anthony Wong
22/07/2005(#)	94.0	94.0	Anthony Wong
26/07/2005(#)	94.0	94.0	Anthony Wong
29/07/2005(#)	94.0	94.0	Anthony Wong

Measurement Location: N5 – Pak Kok Tsui No. 8

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
05/07/2005(*)	94.0	94.0	Anthony Wong
08/07/2005(*)	94.0	94.0	Anthony Wong
12/07/2005(*)	94.0	94.0	Anthony Wong
15/07/2005(*)	94.0	94.0	Anthony Wong
19/07/2005(#)	94.0	94.0	Anthony Wong
22/07/2005(#)	94.0	94.0	Anthony Wong
26/07/2005(#)	94.0	94.0	Anthony Wong
29/07/2005(#)	94.0	94.0	Anthony Wong

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