

Appendix F

The QA/QC Procedures and Results

The Hongkong Electric Co., Ltd.
Lamma Power Station Extension
Noise Monitoring Stations
Daily Calibration Records

Date	Location: Ash Lagoon		Location: Ching Lam	
	Calibration Results	Deviation from Reference (dB)	Calibration Results	Deviation from Reference (dB)
01/11/2019	Passed	0.17	Passed	-0.02
02/11/2019	Passed	0.17	Passed	-0.04
03/11/2019	Passed	0.14	Passed	-0.05
04/11/2019	Passed	0.12	Passed	-0.06
05/11/2019	Passed	0.12	Passed	-0.10
06/11/2019	Passed	0.12	Passed	-0.06
07/11/2019	Passed	0.14	Passed	-0.06
08/11/2019	Passed	0.12	Passed	-0.05
09/11/2019	Passed	0.10	Passed	-0.06
10/11/2019	Passed	0.11	Passed	-0.10
11/11/2019	Passed	0.12	Passed	-0.07
12/11/2019	Passed	0.12	Passed	-0.04
13/11/2019	Passed	0.12	Passed	-0.06
14/11/2019	Passed	0.10	Passed	-0.07
15/11/2019	Passed	0.11	Passed	-0.08
16/11/2019	Passed	0.12	Passed	-0.09
17/11/2019	Passed	0.12	Passed	-0.07
18/11/2019	Passed	0.14	Passed	-0.05
19/11/2019	Passed	0.10	Passed	-0.06
20/11/2019	Passed	0.11	Passed	-0.07
21/11/2019	Passed	0.08	Passed	-0.09
22/11/2019	Passed	0.10	Passed	-0.08
23/11/2019	Passed	0.11	Passed	-0.05
24/11/2019	Passed	0.13	Passed	-0.05
25/11/2019	Passed	0.09	Passed	-0.03
26/11/2019	Passed	0.11	Passed	-0.02
27/11/2019	Passed	0.12	Passed	-0.03
28/11/2019	Passed	0.11	Passed	-0.11
29/11/2019	Passed	0.12	Passed	-0.07
30/11/2019	Passed	0.10	Passed	-0.09

Remarks:

1. The B&K sound level meter at the noise monitoring station has an advanced feature of internal calibration checking (viz. Charge Injection Calibration (CIC)). CIC is a B&K patented method for in situ verification of the integrity of the entire sound measurement chain (including microphone, preamplifier and cabling).
2. The acceptance criterion of deviation from reference is ± 0.5 dB.

The Hongkong Electric Co., Ltd.
Mini Volume Air Sampler Site Visit Log Sheet

Attendance Log

Site Name: Tai Yuen Village (AM4)

Date/Time	Staff Name
15/11/2019 / 14:00	HM Chan / TK Ku

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ46
New filter paper no.	MQ47

Type of filter: Glass-fibre

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

Before: 5.016 Sl/min
After: 5.016 Sl/min

- II. General Services

1. Clean Rotameter: Yes
2. Clean / Replace Pump Valves: No
3. Clean / Replace Pump Diaphragms: No
4. Clean Impaction Inlet: Yes
5. Replace Timer Battery Every 6 months: No
6. Replace Inlet Filter: Yes

Remarks

N/A

Conducted by: HM Chan / TK Ku

Checked by: SM Hon

The Hongkong Electric Co., Ltd.
Lamma Power Station Extension
TEOM Continuous Dust Monitor
Data Quality Assurance Log Sheet

Month: November Year: 2019

Reservoir (AM1)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/min) (2.70 - 3.30)	Bypass Flow (l/min) (12.30 - 15.04)
02/11/2019	265.144	4	2.92	13.32
08/11/2019	269.136	4	2.94	13.39
14/11/2019	268.324	4	2.95	13.41
20/11/2019	267.384	4	2.96	13.48
26/11/2019	266.752	4	2.98	13.56

East Gate (AM2)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/min) (2.70 - 3.30)	Bypass Flow (l/min) (12.30 - 15.04)
02/11/2019	253.770	4	2.98	13.58
08/11/2019	252.923	4	2.99	13.63
14/11/2019	252.203	4	2.78	13.73
20/11/2019	256.740	4	3.04	13.84
26/11/2019	256.132	4	3.04	13.85

Ash Lagoon (AM3)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/min) (2.70 - 3.30)	Bypass Flow (l/min) (12.30 - 15.04)
02/11/2019	255.427	4	3.00	13.67
08/11/2019	254.599	4	3.00	13.67
14/11/2019	253.926	4	3.00	13.67
20/11/2019	253.172	4	3.00	13.67
26/11/2019	255.935	4	3.00	13.67

Maintenance Record			
	Reservoir	East Gate	Ash Lagoon
TEOM Filter Exchange	✓	✓	✓
Clean TSP Inlet	✓	✓	✓
Replace flow in-line filter	✓	✓	✓
Pump Repair			
Leak Check			
Flow audit			
Flow Controller Calibration			
A/C filter cleaning	✓	✓	✓

Remarks:

Prepared by: Chris Chan

Checked by: HY Chan