

Appendix F

The QA/QC Procedures and Results

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

Month: August Year: 2018

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)
03/08/2018	272.030	4	2.82	12.86
09/08/2018	271.675	4	2.83	12.91
15/08/2018	271.463	4	2.84	12.95
21/08/2018	271.106	4	2.86	13.03
27/08/2018	270.434	4	2.85	12.99

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)
03/08/2018	252.016	4	2.82	13.20
09/08/2018	251.712	4	2.73	12.86
15/08/2018	251.386	4	2.70	12.92
21/08/2018	259.501	4	2.91	13.26
27/08/2018	258.699	4	2.92	13.28

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)
03/08/2018	259.880	4	2.90	13.22
09/08/2018	259.592	4	2.90	13.20
15/08/2018	259.424	4	2.91	13.27
21/08/2018	258.464	4	3.00	13.67
27/08/2018	258.625	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:

N/A

Prepared by: HY Chan

Checked by: HY Ho

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
22/08/2018 / 14:15	WM Tam / PH Chan

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MP70
New filter paper no.	MP71

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: 5.014
After: 5.014

- 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: WM Tam / PH Chan

Checked by: SM Hon

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

Date	Location: Ching Lam	
	Calibration Results	Deviation from Reference (dB)
01/08/2018	Passed	0.07
02/08/2018	Passed	0.05
03/08/2018	Passed	0.05
04/08/2018	Passed	0.06
05/08/2018	Passed	0.07
06/08/2018	Passed	0.06
07/08/2018	Passed	0.04
08/08/2018	Passed	0.06
09/08/2018	Passed	0.04
10/08/2018	Passed	0.01
11/08/2018	Passed	0.03
12/08/2018	Passed	0.03
13/08/2018	Passed	0.07
14/08/2018	Passed	0.04
15/08/2018	Passed	0.04
16/08/2018	Passed	0.02
17/08/2018	Passed	0.02
18/08/2018	Passed	0.04
19/08/2018	Passed	0.04
20/08/2018	Passed	0.05
21/08/2018	Passed	0.05
22/08/2018	Passed	0.00
23/08/2018	Passed	0.05
24/08/2018	Passed	0.04
25/08/2018	Passed	0.06
26/08/2018	Passed	0.02
27/08/2018	Passed	-0.02
28/08/2018	Passed	0.01
29/08/2018	Passed	0.03
30/08/2018	Passed	0.03
31/08/2018	Passed	0.04

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.
Lamma Power Station Extension
Noise Monitoring Station
Site Visit Log Sheet

Location: Ash Lagoon

Date/Time	Staff Attended
10/08/2018 / 10:30	WM Tam / PH Chan

Equipment	Serial No.
B&K 2250	3024699

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 2730419)

Noise level measured in calibration: 94.3 (94 ±1.0 dBA)

2. Weather Conditions

- a. Fine
- b. Breeze

3. Beacon

Function normally: Yes

4. Remark/Observation

N/A

Prepared by: WM Tam

Checked by: TL Chu