

Appendix F

The QA/QC Procedures and Results

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
19/09/2018 / 11:00	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MP74
New filter paper no.	MP75

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: 5.032
After: 5.032

- II. General Services

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

Remarks

N/A

Conducted by: WM Tam

Checked by: SM Hon

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

Month: September 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)
02/09/2018	270.002	4	2.87	13.09
08/09/2018	269.610	4	2.87	13.08
14/09/2018	269.084	4	2.85	12.98
20/09/2018	268.638	4	2.84	12.92
26/09/2018	268.336	4	2.87	13.08

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)
02/09/2018	258.298	4	2.95	13.43
08/09/2018	257.873	4	2.94	13.40
14/09/2018	257.361	4	2.92	13.29
20/09/2018	256.934	4	2.91	13.28
26/09/2018	256.639	4	2.94	13.41

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)
02/09/2018	258.214	4	3.00	13.67
08/09/2018	257.864	4	3.00	13.66
14/09/2018	257.324	4	3.00	13.67
20/09/2018	256.852	4	3.00	13.66
26/09/2018	256.606	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: H.Y. Chan

Checked by: H.Y. Ho

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

Date	Location: Ash Lagoon	
	Calibration Results	Deviation from Reference (dB)
01/09/2018	Passed	-0.09
02/09/2018	Passed	-0.07
03/09/2018	Passed	-0.07
04/09/2018	Passed	-0.06
05/09/2018	Passed	-0.06
06/09/2018	Passed	-0.05
07/09/2018	Passed	0.06
08/09/2018	Passed	-0.09
09/09/2018	Passed	-0.03
10/09/2018	Passed	-0.08
11/09/2018	Passed	-0.04
12/09/2018	Passed	-0.09
13/09/2018	Passed	-0.05
14/09/2018	Passed	-0.06
15/09/2018	Passed	0.00
16/09/2018	See Remark	See Remark
17/09/2018	See Remark	See Remark
18/09/2018	Passed	-0.10
19/09/2018	Passed	-0.02
20/09/2018	Passed	-0.04
21/09/2018	Passed	-0.03
22/09/2018	Passed	-0.04
23/09/2018	Passed	-0.03
24/09/2018	Passed	-0.02
25/09/2018	Passed	-0.04
26/09/2018	Passed	-0.05
27/09/2018	Passed	-0.05
28/09/2018	Passed	-0.03
29/09/2018	Passed	-0.02
30/09/2018	Passed	-0.04

Remarks:

1. The calibration was not performed during the period of super typhoon.
2. 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).
3. 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: Ching Lam

Date/Time	Staff Attended
10/09/2018 / 13:30	WM Tam / Virginia Wong

Equipment	Serial No.
B&K 2250	3008903

1. Calibration

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

Noise level measured in calibration: 93.8 (94 ±1.0 dBA)

2. Weather Conditions

a. Cloudy

b. Calm

3. Beacon

Function normally: Yes

4. Remark/Observation

N/A

Prepared by: WM Tam

Checked by: TL Chu