

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

Month: February 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)
04/02/2018	258.250	4	3.21	14.63
10/02/2018	257.499	4	3.09	14.06
16/02/2018	271.302	4	3.02	13.78
22/02/2018	270.728	4	3.14	14.33
28/02/2018	270.275	4	3.04	13.86

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)
04/02/2018	259.091	4	3.18	14.48
10/02/2018	258.257	4	3.07	13.96
16/02/2018	257.346	4	3.04	13.83
22/02/2018	256.836	4	3.13	14.27
28/02/2018	256.423	4	3.05	13.86

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)
04/02/2018	264.352	4	3.20	14.59
10/02/2018	263.544	4	3.09	14.09
16/02/2018	262.606	4	3.07	13.96
22/02/2018	265.404	4	3.13	14.24
28/02/2018	264.973	4	3.06	13.96

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
14/02/2018 / 11:00	WM TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MP 38
New filter paper no.	MP 39

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: 5.023  
After: 5.02

- 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

Conducted by: WM TAM

Checked by: SM Hon

**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)
01/02/2018	Passed	-0.04	Passed	-0.10
02/02/2018	Passed	-0.05	Passed	-0.13
03/02/2018	Passed	-0.02	Passed	-0.09
04/02/2018	Passed	-0.05	Passed	-0.11
05/02/2018	Passed	-0.04	Passed	-0.14
06/02/2018	Passed	-0.05	Passed	-0.08
07/02/2018	Passed	-0.03	Passed	-0.09
08/02/2018	Passed	-0.05	Passed	-0.09
09/02/2018	Passed	-0.01	Passed	-0.03
10/02/2018	Passed	0.00	Passed	-0.06
11/02/2018	Passed	-0.02	Passed	-0.05
12/02/2018	Passed	-0.02	Passed	-0.07
13/02/2018	Passed	0.00	Passed	-0.11
14/02/2018	Passed	0.00	Passed	-0.05
15/02/2018	Passed	0.01	Passed	-0.03
16/02/2018	Passed	0.02	Passed	-0.02
17/02/2018	Passed	-0.03	Passed	-0.05
18/02/2018	Passed	0.00	Passed	-0.04
19/02/2018	Passed	0.02	Passed	-0.02
20/02/2018	Passed	0.02	Passed	-0.04
21/02/2018	Passed	0.01	Passed	-0.04
22/02/2018	Passed	-0.07	Passed	-0.09
23/02/2018	Passed	-0.06	Passed	-0.07
24/02/2018	Passed	0.01	Passed	-0.05
25/02/2018	Passed	0.02	Passed	-0.01
26/02/2018	Passed	-0.02	Passed	-0.03
27/02/2018	Passed	0.01	Passed	-0.03
28/02/2018	Passed	0.02	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  $\pm 0.5$  dB.