

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

Month: January 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)
05/01/2018	268.536	4	3.06	13.95
11/01/2018	268.293	4	3.15	14.36
17/01/2018	267.609	4	3.04	13.84
23/01/2018	259.359	4	3.07	13.98
29/01/2018	258.773	4	3.20	14.60

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)
05/01/2018	257.771	4	3.06	13.94
11/01/2018	257.462	4	3.13	14.27
17/01/2018	256.828	4	3.03	13.80
23/01/2018	256.164	4	3.06	13.91
29/01/2018	259.748	4	3.19	14.53

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)
05/01/2018	263.875	4	3.06	13.91
11/01/2018	263.598	4	3.13	14.29
17/01/2018	262.925	4	3.03	13.79
23/01/2018	262.285	4	3.05	13.92
29/01/2018	264.983	4	3.20	14.56

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: KF Chan

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
19/01/2018 / 10:00	WH MAN

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MP34
New filter paper no.	MP35

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: 5.30
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: No
5. Replace Timer Battery Every 6 months: No
6. Replace Inlet Filter: Yes

Remarks

Conducted by: WH MAN

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)
01/01/2018	Passed	-0.02	Passed	-0.05
02/01/2018	Passed	-0.01	Passed	-0.04
03/01/2018	Passed	0.02	Passed	-0.05
04/01/2018	Passed	-0.01	Passed	-0.02
05/01/2018	Passed	-0.02	Passed	-0.05
06/01/2018	Passed	-0.07	Passed	-0.05
07/01/2018	Passed	-0.01	Passed	-0.02
08/01/2018	Passed	-0.07	Passed	-0.10
09/01/2018	Passed	-0.05	Passed	-0.10
10/01/2018	Passed	-0.02	Passed	-0.08
11/01/2018	Passed	-0.01	Passed	-0.08
12/01/2018	Passed	-0.02	Passed	-0.07
13/01/2018	Passed	-0.01	Passed	-0.08
14/01/2018	Passed	-0.02	Passed	-0.07
15/01/2018	Passed	0.01	Passed	-0.08
16/01/2018	Passed	-0.02	Passed	-0.06
17/01/2018	Passed	0.04	Passed	0.01
18/01/2018	Passed	0.03	Passed	-0.02
19/01/2018	Passed	-0.02	Passed	-0.07
20/01/2018	Passed	0.00	Passed	-0.06
21/01/2018	Passed	-0.01	Passed	-0.05
22/01/2018	Passed	0.00	Passed	-0.02
23/01/2018	Passed	0.00	Passed	-0.04
24/01/2018	Passed	0.00	Passed	-0.06
25/01/2018	Passed	-0.02	Passed	-0.05
26/01/2018	Passed	-0.01	Passed	-0.03
27/01/2018	Passed	-0.03	Passed	-0.06
28/01/2018	Passed	-0.03	Passed	-0.09
29/01/2018	Passed	-0.07	Passed	-0.13
30/01/2018	Passed	-0.06	Passed	-0.14
31/01/2018	Passed	-0.08	Passed	-0.13

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.