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

Month: July Year: 2020

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)
05/07/2020	268.225	4	2.93	13.34
11/07/2020	267.715	4	2.93	13.36
17/07/2020	267.376	4	2.91	13.26
23/07/2020	269.786	4	2.92	13.31
29/07/2020	269.455	4	2.92	13.32

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)
05/07/2020	255.773	4	2.96	13.47
11/07/2020	255.196	4	2.98	13.54
17/07/2020	254.697	4	2.96	13.48
23/07/2020	257.286	4	2.95	13.43
29/07/2020	257.003	4	2.97	13.53

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)
05/07/2020	255.468	4	3.00	13.68
11/07/2020	255.218	4	3.00	13.37
17/07/2020	255.041	4	3.00	13.40
23/07/2020	254.923	4	3.00	13.67
29/07/2020	256.522	4	3.00	13.66

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

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
07/14/2020 10:45	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used Filter Paper No.	MQ86
New Filter Paper No.	MQ87

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: 5.08
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: Yes
6. Replace Inlet Filter: Yes

III. Remarks

N/A

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)
01/07/2020	Passed	-0.01	Passed	0.00
02/07/2020	Passed	-0.03	Passed	0.01
03/07/2020	Passed	-0.01	Passed	0.02
04/07/2020	Passed	0.00	Passed	0.01
05/07/2020	Passed	0.00	Passed	0.03
06/07/2020	Passed	0.00	Passed	0.02
07/07/2020	Passed	-0.03	Passed	0.02
08/07/2020	Passed	0.00	Passed	0.02
09/07/2020	Passed	0.00	Passed	0.01
10/07/2020	Passed	0.00	Passed	0.01
11/07/2020	Passed	0.00	Passed	0.02
12/07/2020	Passed	0.01	Passed	0.02
13/07/2020	Passed	-0.02	Passed	-0.01
14/07/2020	Passed	-0.02	Passed	0.00
15/07/2020	Passed	-0.01	Passed	0.02
16/07/2020	Passed	0.00	Passed	0.03
17/07/2020	Passed	0.01	Passed	0.02
18/07/2020	Passed	0.01	Passed	0.03
19/07/2020	Passed	0.00	Passed	0.02
20/07/2020	Passed	-0.01	Passed	0.00
21/07/2020	Passed	0.00	Passed	0.01
22/07/2020	Passed	0.01	Passed	0.02
23/07/2020	Passed	0.01	Passed	0.01
24/07/2020	Passed	-0.01	Passed	0.00
25/07/2020	Passed	-0.01	Passed	0.01
26/07/2020	Passed	0.01	Passed	0.06
27/07/2020	Passed	-0.02	Passed	0.02
28/07/2020	Passed	0.01	Passed	0.03
29/07/2020	Passed	0.00	Passed	0.00
30/07/2020	Passed	0.00	Passed	-0.01
31/07/2020	Passed	0.00	Passed	-0.01

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.