

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

Month: June

Year: 2021

Reservoir (AM1)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
6/6/2021	269.002	4	2.97	13.30
12/6/2021	268.767	4	2.99	12.89
18/6/2021	268.415	4	2.93	13.14
24/6/2021	268.057	4	3.01	12.81
30/6/2021	267.611	4	2.95	13.45

East Gate (AM2)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
6/6/2021	251.789	4	2.94	13.42
12/6/2021	251.486	4	2.96	13.47
18/6/2021	251.025	4	2.90	13.26
24/6/2021	250.500	4	2.96	13.56
30/6/2021	249.984	4	2.93	13.36

Ash Lagoon (AM3)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
6/6/2021	256.178	4	3.00	13.68
12/6/2021	257.417	4	3.00	13.68
18/6/2021	257.156	4	3.00	13.68
24/6/2021	256.850	4	3.00	13.68
30/6/2021	256.528	4	3.00	13.68

Maintenance Record			
	Reservoir	East Gate	Ash Lagoon
TEOM Filter Exchange	✓	✓	✓
Clean TSP Inlet	✓	✓	✓
Replace flow in-line filter	✓	✓	✓
Pum p 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
16/06/2021 / 10:45	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR42
New filter paper no.	MR43

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: 5.037
After: 5.037 (No adjustment)

- 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

Checked by: SM Hon

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

Date	Location: Ash Lagoon		Location: Ching Lam	
	Calibration Results	Deviation from Reference (dB)	Calibration Results	Deviation from Reference (dB)
01/06/2021	Passed	-0.03	Passed	0.13
02/06/2021	Passed	-0.02	Passed	0.16
03/06/2021	Passed	-0.03	Passed	0.14
04/06/2021	Passed	-0.04	Passed	0.15
05/06/2021	Passed	-0.03	Passed	0.14
06/06/2021	Passed	-0.03	Passed	0.16
07/06/2021	Passed	-0.03	Passed	0.17
08/06/2021	Passed	-0.03	Passed	0.15
09/06/2021	Passed	0.01	Passed	0.16
10/06/2021	Passed	0.01	Passed	0.15
11/06/2021	Passed	-0.04	Passed	0.14
12/06/2021	Passed	-0.01	Passed	0.15
13/06/2021	Passed	-0.01	Passed	0.15
14/06/2021	Passed	-0.01	Passed	0.16
15/06/2021	Passed	-0.01	Passed	0.15
16/06/2021	Passed	0.00	Passed	0.13
17/06/2021	Passed	-0.07	Passed	0.15
18/06/2021	Passed	-0.05	Passed	0.15
19/06/2021	Passed	-0.03	Passed	0.15
20/06/2021	Passed	-0.02	Passed	0.18
21/06/2021	Passed	-0.06	Passed	0.09
22/06/2021	Passed	-0.06	Passed	0.11
23/06/2021	Passed	-0.04	Passed	0.14
24/06/2021	Passed	-0.04	Passed	0.14
25/06/2021	Passed	-0.03	Passed	0.14
26/06/2021	Passed	-0.03	Passed	0.15
27/06/2021	Passed	-0.02	Passed	0.16
28/06/2021	Passed	-0.03	Passed	0.18
29/06/2021	Passed	-0.03	Passed	0.17
30/06/2021	Passed	-0.02	Passed	0.16

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.