

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

Month: May

Year: 2021

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)
6/5/2021	267.632	4	3.03	13.49
12/5/2021	270.395	4	3.00	12.37
18/5/2021	270.062	4	2.97	12.33
24/5/2021	269.711	4	2.96	12.39
30/5/2021	269.448	4	2.95	13.31

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)
6/5/2021	252.326	4	2.99	13.62
12/5/2021	251.924	4	2.94	13.34
18/5/2021	251.656	4	2.94	13.37
24/5/2021	251.341	4	2.94	13.38
30/5/2021	250.880	4	2.94	13.34

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)
6/5/2021	255.759	4	3.00	13.68
12/5/2021	255.530	4	3.00	13.68
18/5/2021	256.856	4	3.00	13.68
24/5/2021	256.690	4	3.00	13.68
30/5/2021	256.516	4	3.00	13.68

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
14/05/2021 / 10:30	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR37
New filter paper no.	MR38

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: 5.004
After: 5.012

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)
01/05/2021	Passed	-0.03	Passed	0.12
02/05/2021	Passed	-0.05	Passed	0.11
03/05/2021	Passed	-0.04	Passed	0.13
04/05/2021	Passed	-0.04	Passed	0.13
05/05/2021	Passed	-0.05	Passed	0.09
06/05/2021	Passed	-0.03	Passed	0.13
07/05/2021	Passed	-0.02	Passed	0.13
08/05/2021	Passed	-0.04	Passed	0.13
09/05/2021	Passed	-0.01	Passed	0.15
10/05/2021	Passed	-0.02	Passed	0.14
11/05/2021	Passed	-0.02	Passed	0.15
12/05/2021	Passed	-0.03	Passed	0.14
13/05/2021	Passed	-0.01	Passed	0.17
14/05/2021	Passed	-0.01	Passed	0.16
15/05/2021	Passed	-0.04	Passed	0.15
16/05/2021	Passed	-0.01	Passed	0.16
17/05/2021	Passed	-0.01	Passed	0.17
18/05/2021	Passed	0.00	Passed	0.16
19/05/2021	Passed	-0.01	Passed	0.17
20/05/2021	Passed	-0.01	Passed	0.16
21/05/2021	Passed	0.00	Passed	0.16
22/05/2021	Passed	-0.01	Passed	0.17
23/05/2021	Passed	-0.02	Passed	0.16
24/05/2021	Passed	-0.02	Passed	0.16
25/05/2021	Passed	-0.01	Passed	0.14
26/05/2021	Passed	-0.02	Passed	0.16
27/05/2021	Passed	-0.02	Passed	0.16
28/05/2021	Passed	-0.03	Passed	0.17
29/05/2021	Passed	-0.02	Passed	0.17
30/05/2021	Passed	-0.04	Passed	0.16
31/05/2021	Passed	-0.06	Passed	0.10

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.