

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

Month: June

Year: 2022

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)
6/6/2022	271.176	4	2.85	10.31
12/6/2022	270.987	4	2.90	10.31
18/6/2022	270.697	4	2.88	10.31
24/6/2022	270.340	4	2.86	10.31
30/6/2022	270.079	4	2.90	10.31

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)
6/6/2022	253.008	4	2.99	13.52
12/6/2022	252.712	4	2.79	13.64
18/6/2022	252.342	4	3.02	13.63
24/6/2022	252.044	4	2.80	13.63
30/6/2022	251.814	4	2.76	13.48

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)
6/6/2022	257.200	4	3.00	10.74
12/6/2022	257.038	4	3.00	11.98
18/6/2022	256.820	4	3.00	7.78
24/6/2022	258.500	4	3.00	13.68
30/6/2022	258.395	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
13/06/2022 / 10:30	WM TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS04
New filter paper no.	MS05

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: 5.01
After: 5.01 (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)
01/06/2022	Passed	0.01	Passed	-0.08
02/06/2022	Passed	0.00	Passed	-0.07
03/06/2022	Passed	0.01	Passed	-0.07
04/06/2022	Passed	0.02	Passed	-0.07
05/06/2022	Passed	-0.01	Passed	-0.05
06/06/2022	Passed	-0.01	Passed	-0.11
07/06/2022	Passed	-0.01	Passed	-0.08
08/06/2022	Passed	0.00	Passed	-0.07
09/06/2022	Passed	0.00	Passed	-0.06
10/06/2022	Passed	0.01	Passed	-0.05
11/06/2022	Passed	0.01	Passed	-0.05
12/06/2022	Passed	0.01	Passed	-0.05
13/06/2022	Passed	0.00	Passed	-0.08
14/06/2022	Passed	-0.04	Passed	-0.06
15/06/2022	Passed	0.01	Passed	-0.07
16/06/2022	Passed	0.02	Passed	-0.05
17/06/2022	Passed	0.04	Passed	-0.05
18/06/2022	Passed	0.04	Passed	-0.04
19/06/2022	Passed	0.03	Passed	-0.05
20/06/2022	Passed	0.05	Passed	0.01
21/06/2022	Passed	0.03	Passed	-0.01
22/06/2022	Passed	0.05	Passed	0.00
23/06/2022	Passed	0.04	Passed	0.00
24/06/2022	Passed	0.03	Passed	0.00
25/06/2022	Passed	0.04	Passed	0.00
26/06/2022	Passed	0.04	Passed	0.00
27/06/2022	Passed	0.04	Passed	0.02
28/06/2022	Passed	0.04	Passed	0.00
29/06/2022	Passed	0.04	Passed	-0.03
30/06/2022	Passed	0.10	Passed	0.18

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.