

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

Month: May

Year: 2023

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)
2/5/2023	269.047	4	2.90	10.31
8/5/2023	269.209	4	2.92	10.31
14/5/2023	269.160	4	2.90	10.31
20/5/2023	268.998	4	2.93	10.31
26/5/2023	268.959	4	2.88	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)
2/5/2023	266.762	4	3.00	13.66
8/5/2023	266.412	4	3.00	13.66
14/5/2023	265.971	4	3.00	13.66
20/5/2023	267.573	4	3.00	13.66
26/5/2023	266.975	4	3.00	13.66

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)
2/5/2023	256.682	4	2.13	13.68
8/5/2023	256.452	4	2.03	13.68
14/5/2023	256.168	4	1.91	13.68
20/5/2023	258.050	4	3.00	13.68
26/5/2023	257.568	4	2.32	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
17/05/2023 / 15:30	WM Tam / Brian So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS60
New filter paper no.	MS61

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: 4.965
After: 5.037

- 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

Remarks

N/A

Conducted by: WM Tam / Brian So

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)
01/05/2023	Passed	0.00	Passed	-0.08
02/05/2023	Passed	-0.01	Passed	-0.09
03/05/2023	Passed	0.02	Passed	-0.03
04/05/2023	Passed	0.01	Passed	-0.04
05/05/2023	Passed	-0.01	Passed	-0.02
06/05/2023	Passed	0.00	Passed	-0.04
07/05/2023	Passed	-0.05	Passed	-0.08
08/05/2023	Passed	-0.05	Passed	-0.10
09/05/2023	Passed	-0.09	Passed	-0.09
10/05/2023	Passed	-0.05	Passed	-0.06
11/05/2023	Passed	-0.04	Passed	-0.07
12/05/2023	Passed	-0.05	Passed	-0.06
13/05/2023	Passed	-0.04	Passed	-0.09
14/05/2023	Passed	-0.08	Passed	-0.11
15/05/2023	Passed	-0.05	Passed	-0.05
16/05/2023	Passed	-0.02	Passed	-0.05
17/05/2023	Passed	-0.02	Passed	-0.04
18/05/2023	Passed	-0.02	Passed	-0.04
19/05/2023	Passed	-0.02	Passed	-0.03
20/05/2023	Passed	0.00	Passed	-0.04
21/05/2023	Passed	-0.01	Passed	-0.02
22/05/2023	Passed	-0.01	Passed	-0.01
23/05/2023	Passed	-0.02	Passed	-0.03
24/05/2023	Passed	-0.05	Passed	-0.05
25/05/2023	Passed	-0.02	Passed	-0.06
26/05/2023	Passed	-0.01	Passed	-0.05
27/05/2023	Passed	-0.02	Passed	-0.05
28/05/2023	Passed	-0.02	Passed	-0.04
29/05/2023	Passed	-0.01	Passed	-0.04
30/05/2023	Passed	0.00	Passed	0.00
31/05/2023	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.