

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

Month: April

Year: 2025

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)
3/4/2025	260.201	4	3.09	14.08
9/4/2025	259.504	4	3.03	13.83
15/4/2025	257.282	4	3.02	13.76
21/4/2025	260.742	4	3.01	13.72
27/4/2025	260.294	4	3.05	13.88

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)
3/4/2025	264.189	4	3.03	13.82
9/4/2025	263.471	4	2.98	13.59
15/4/2025	262.185	4	2.97	13.53
21/4/2025	264.219	4	2.96	13.47
27/4/2025	263.937	4	2.93	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)
3/4/2025	256.139	4	3.06	13.95
9/4/2025	255.558	4	3.02	13.64
15/4/2025	255.920	4	3.00	12.83
21/4/2025	255.081	4	2.99	13.17
27/4/2025	258.666	4	3.02	13.76

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
24/4/2025 / 10:15	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT79
New Filter Paper No.	MT80

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:	<u>5.00</u>
After:	<u>5.00 (No Adjustment)</u>

- II. General Services

1. Clean Rotameter:	<u>Yes</u>
2. Clean / Replace Pump Valves:	<u>No</u>
3. Clean / Replace Pump Diaphragms:	<u>No</u>
4. Clean Impaction Inlet:	<u>Yes</u>
5. Replace Timer Battery Every 6 months:	<u>Yes</u>
6. Replace Inlet Filter:	<u>Yes</u>

- III. Remarks

Conducted by: Alex Ng 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)
01/04/2025	Passed	0.06	Passed	-0.12
02/04/2025	Passed	0.07	Passed	-0.20
03/04/2025	Passed	0.09	Passed	-0.25
04/04/2025	Passed	0.01	Passed	-0.13
05/04/2025	Passed	-0.03	Passed	-0.15
06/04/2025	Passed	0.01	Passed	-0.11
07/04/2025	Passed	0.03	Passed	-0.08
08/04/2025	Passed	0.04	Passed	-0.16
09/04/2025	Passed	0.01	Passed	-0.11
10/04/2025	Passed	0.01	Passed	-0.08
11/04/2025	Passed	0.03	Passed	0.00
12/04/2025	Passed	-0.02	Passed	-0.19
13/04/2025	Passed	0.02	Passed	-0.29
14/04/2025	Passed	0.03	Passed	-0.22
15/04/2025	Passed	0.06	Passed	-0.12
16/04/2025	Passed	0.00	Passed	-0.13
17/04/2025	Passed	0.02	Passed	-0.05
18/04/2025	Passed	0.04	Passed	-0.05
19/04/2025	Passed	0.02	Passed	-0.06
20/04/2025	Passed	0.02	Passed	-0.03
21/04/2025	Passed	0.03	Passed	-0.07
22/04/2025	Passed	0.04	Passed	-0.05
23/04/2025	Passed	0.03	Passed	-0.07
24/04/2025	Passed	0.03	Passed	-0.05
25/04/2025	Passed	0.02	Passed	0.00
26/04/2025	Passed	0.00	Passed	-0.05
27/04/2025	Passed	0.02	Passed	-0.03
28/04/2025	Passed	0.02	Passed	-0.02
29/04/2025	Passed	0.05	Passed	-0.03
30/04/2025	Passed	0.02	Passed	-0.03

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.