

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

Month: January

Year: 2026

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)
4/1/2026	256.533	4	3.13	14.27
10/1/2026	255.682	4	3.13	14.26
16/1/2026	258.134	4	3.08	14.02
22/1/2026	257.480	4	3.18	14.47
28/1/2026	256.881	4	3.12	14.20

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)
4/1/2026	254.838	4	3.00	13.66
10/1/2026	254.029	4	3.00	13.66
16/1/2026	253.157	4	3.00	13.66
22/1/2026	255.231	4	3.00	13.66
28/1/2026	254.555	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)
4/1/2026	255.171	4	3.00	13.67
10/1/2026	257.169	4	3.00	13.67
16/1/2026	256.320	4	3.00	13.67
22/1/2026	255.675	4	3.00	13.66
28/1/2026	255.098	4	3.00	13.66

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
26/1/2026 / 15:00	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	8468
Used Filter Paper No.	MU18
New Filter Paper No.	MU19

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)
01/01/2026	Passed	0.02	Passed	-0.15
02/01/2026	Passed	0.00	Passed	-0.18
03/01/2026	Passed	-0.02	Passed	-0.17
04/01/2026	Passed	0.01	Passed	-0.13
05/01/2026	Passed	0.02	Passed	-0.12
06/01/2026	Passed	-0.01	Passed	-0.16
07/01/2026	Passed	-0.02	Passed	-0.19
08/01/2026	Passed	0.00	Passed	-0.12
09/01/2026	Passed	-0.01	Passed	-0.14
10/01/2026	Passed	0.01	Passed	-0.14
11/01/2026	Passed	0.01	Passed	-0.14
12/01/2026	Passed	0.00	Passed	-0.14
13/01/2026	Passed	0.02	Passed	-0.14
14/01/2026	Passed	0.03	Passed	-0.13
15/01/2026	Passed	0.02	Passed	-0.16
16/01/2026	Passed	0.03	Passed	-0.14
17/01/2026	Passed	0.04	Passed	-0.12
18/01/2026	Passed	0.03	Passed	-0.13
19/01/2026	Passed	0.01	Passed	-0.14
20/01/2026	Passed	0.02	Passed	-0.15
21/01/2026	Passed	-0.01	Passed	-0.17
22/01/2026	Passed	-0.01	Passed	-0.18
23/01/2026	Passed	-0.01	Passed	-0.18
24/01/2026	Passed	0.01	Passed	-0.15
25/01/2026	Passed	0.03	Passed	-0.13
26/01/2026	Passed	0.02	Passed	-0.12
27/01/2026	Passed	0.03	Passed	-0.14
28/01/2026	Passed	0.02	Passed	-0.12
29/01/2026	Passed	0.03	Passed	-0.14
30/01/2026	Passed	0.03	Passed	-0.09
31/01/2026	Passed	-0.01	Passed	-0.17

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.