

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

Month: August

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)
1/8/2025	259.510	4	2.93	13.36
7/8/2025	259.015	4	2.97	13.53
13/8/2025	260.398	4	2.95	13.45
19/8/2025	260.155	4	3.00	13.65
25/8/2025	259.867	4	2.98	13.57
31/8/2025	259.627	4	2.97	13.54

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)
1/8/2025	257.470	4	3.00	13.66
7/8/2025	256.889	4	3.00	13.66
13/8/2025	256.545	4	3.00	13.66
19/8/2025	257.760	4	3.00	13.66
25/8/2025	257.423	4	3.00	13.66
31/8/2025	257.110	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)
1/8/2025	259.644	4	3.00	13.67
7/8/2025	260.054	4	3.00	13.67
13/8/2025	259.803	4	3.00	13.67
19/8/2025	259.715	4	3.00	13.67
25/8/2025	259.501	4	3.00	13.67
31/8/2025	259.266	4	2.78	13.67

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
21/8/2025 / 15:00	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used Filter Paper No.	MT99
New Filter Paper No.	MT100

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)
01/08/2025	Passed	0.06	Passed	0.03
02/08/2025	Passed	0.06	Passed	0.01
03/08/2025	Passed	0.05	Passed	0.02
04/08/2025	Passed	0.04	Passed	0.02
05/08/2025	Passed	0.05	Passed	0.05
06/08/2025	Passed	0.03	Passed	-0.02
07/08/2025	Passed	0.06	Passed	0.00
08/08/2025	Passed	0.06	Passed	0.00
09/08/2025	Passed	0.07	Passed	0.01
10/08/2025	Passed	0.07	Passed	0.02
11/08/2025	Passed	0.08	Passed	0.01
12/08/2025	Passed	0.08	Passed	0.03
13/08/2025	Passed	0.08	Passed	0.02
14/08/2025	Passed	0.02	Passed	-0.03
15/08/2025	Passed	0.08	Passed	-0.01
16/08/2025	Passed	0.07	Passed	0.02
17/08/2025	Passed	0.04	Passed	-0.02
18/08/2025	Passed	0.03	Passed	-0.03
19/08/2025	Passed	0.05	Passed	-0.01
20/08/2025	Passed	0.06	Passed	0.01
21/08/2025	Passed	0.06	Passed	0.02
22/08/2025	Passed	0.08	Passed	0.04
23/08/2025	Passed	0.09	Passed	0.01
24/08/2025	Passed	0.08	Passed	0.02
25/08/2025	Passed	0.07	Passed	0.00
26/08/2025	Passed	0.08	Passed	0.02
27/08/2025	Passed	0.07	Passed	0.01
28/08/2025	Passed	0.10	Passed	0.02
29/08/2025	Passed	0.07	Passed	0.02
30/08/2025	Passed	0.07	Passed	0.00
31/08/2025	Passed	0.07	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.