

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

Month: December 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)
5/12/2025	257.896	4	3.10	14.13
11/12/2025	257.152	4	3.06	13.96
17/12/2025	256.396	4	3.08	14.04
23/12/2025	255.848	4	3.09	14.09
29/12/2025	257.125	4	3.10	14.12

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)
5/12/2025	253.181	4	3.00	13.66
11/12/2025	255.147	4	3.00	13.66
17/12/2025	254.296	4	3.00	13.66
23/12/2025	253.650	4	3.00	13.66
29/12/2025	253.137	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)
5/12/2025	255.800	4	3.00	13.67
11/12/2025	257.472	4	3.00	13.67
17/12/2025	256.743	4	3.00	13.67
23/12/2025	256.206	4	3.00	13.66
29/12/2025	255.718	4	3.00	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
24/12/2025 / 10:00	Donald Kwan

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used Filter Paper No.	MU13
New Filter Paper No.	MU14

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: Donald Kwan 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)
01/12/2025	Passed	0.02	Passed	-0.08
02/12/2025	Passed	0.04	Passed	-0.10
03/12/2025	Passed	0.03	Passed	-0.11
04/12/2025	Passed	0.02	Passed	-0.13
05/12/2025	Passed	0.02	Passed	-0.12
06/12/2025	Passed	0.01	Passed	-0.12
07/12/2025	Passed	0.03	Passed	-0.10
08/12/2025	Passed	0.03	Passed	-0.08
09/12/2025	Passed	0.01	Passed	-0.13
10/12/2025	Passed	0.02	Passed	-0.11
11/12/2025	Passed	0.03	Passed	-0.10
12/12/2025	Passed	0.03	Passed	-0.11
13/12/2025	Passed	-0.01	Passed	-0.13
14/12/2025	Passed	0.00	Passed	-0.15
15/12/2025	Passed	0.02	Passed	-0.17
16/12/2025	Passed	0.02	Passed	-0.13
17/12/2025	Passed	0.03	Passed	-0.13
18/12/2025	Passed	0.04	Passed	-0.13
19/12/2025	Passed	0.03	Passed	-0.11
20/12/2025	Passed	0.04	Passed	-0.09
21/12/2025	Passed	0.00	Passed	-0.10
22/12/2025	Passed	0.01	Passed	-0.14
23/12/2025	Passed	0.02	Passed	-0.10
24/12/2025	Passed	0.03	Passed	-0.11
25/12/2025	Passed	-0.02	Passed	-0.15
26/12/2025	Passed	0.00	Passed	-0.18
27/12/2025	Passed	0.00	Passed	-0.15
28/12/2025	Passed	0.01	Passed	-0.14
29/12/2025	Passed	0.02	Passed	-0.13
30/12/2025	Passed	0.03	Passed	-0.13
31/12/2025	Passed	0.03	Passed	-0.10

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.