

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

Month: July

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)
2/7/2025	259.714	4	2.97	13.51
8/7/2025	261.025	4	2.93	13.36
14/7/2025	260.643	4	2.95	13.43
20/7/2025	260.236	4	2.93	13.37
26/7/2025	259.873	4	2.93	13.37

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)
2/7/2025	257.393	4	3.00	13.66
8/7/2025	256.913	4	3.00	13.66
14/7/2025	256.365	4	3.00	13.66
20/7/2025	255.915	4	3.00	13.66
26/7/2025	257.974	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)
2/7/2025	260.281	4	3.00	13.67
8/7/2025	260.004	4	3.00	13.67
14/7/2025	259.686	4	3.00	13.67
20/7/2025	259.352	4	3.00	13.67
26/7/2025	260.002	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
24/7/2025 / 15:00	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used Filter Paper No.	MT94
New Filter Paper No.	MT95

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)
01/07/2025	Passed	0.06	Passed	0.01
02/07/2025	Passed	0.07	Passed	0.05
03/07/2025	Passed	0.06	Passed	0.05
04/07/2025	Passed	0.07	Passed	0.04
05/07/2025	Passed	0.07	Passed	0.02
06/07/2025	Passed	0.06	Passed	0.06
07/07/2025	Passed	0.08	Passed	0.04
08/07/2025	Passed	0.07	Passed	0.05
09/07/2025	Passed	0.05	Passed	0.09
10/07/2025	Passed	0.02	*	*
11/07/2025	Passed	0.06	Passed	0.03
12/07/2025	Passed	0.05	Passed	0.02
13/07/2025	Passed	0.06	Passed	0.04
14/07/2025	Passed	0.06	Passed	0.04
15/07/2025	Passed	0.05	Passed	0.06
16/07/2025	Passed	0.07	Passed	0.03
17/07/2025	Passed	0.08	Passed	0.03
18/07/2025	Passed	0.05	Passed	0.00
19/07/2025	Passed	0.06	Passed	0.09
20/07/2025	Passed	0.05	*	*
21/07/2025	Passed	0.06	Passed	0.24
22/07/2025	Passed	0.04	Passed	-0.02
23/07/2025	Passed	0.07	Passed	0.02
24/07/2025	Passed	0.08	Passed	0.03
25/07/2025	Passed	0.04	Passed	-0.04
26/07/2025	Passed	0.05	Passed	0.01
27/07/2025	Passed	0.06	Passed	0.03
28/07/2025	Passed	0.04	Passed	0.00
29/07/2025	Passed	0.04	Passed	0.01
30/07/2025	Passed	0.05	Passed	0.05
31/07/2025	Passed	0.05	Passed	0.05

Remarks:

1. CIC calibration record of 10 July 2025 and 20 July 2025 at Ching Lam Noise Monitoring Station was lost due to the error in downloading the noise data.
2. 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).
3. The acceptance criterion of deviation from reference is ± 0.5 dB.