

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

Month: September 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)
6/9/2025	259.479	4	2.95	13.45
12/9/2025	259.227	4	2.97	13.53
18/9/2025	259.060	4	2.97	13.51
24/9/2025	258.782	4	2.96	13.47
30/9/2025	258.486	4	2.98	13.58

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)
6/9/2025	256.902	4	3.00	13.66
12/9/2025	256.604	4	3.00	13.66
18/9/2025	256.379	4	3.00	13.66
24/9/2025	256.034	4	3.00	13.66
30/9/2025	255.689	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)
6/9/2025	259.713	4	3.00	13.67
12/9/2025	259.463	4	3.00	13.67
18/9/2025	259.339	4	3.00	13.67
24/9/2025	259.052	4	2.90	13.67
30/9/2025	259.881	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
23/9/2025 / 15:00	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used Filter Paper No.	MT104
New Filter Paper No.	MT105

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)
01/09/2025	Passed	0.07	Passed	0.03
02/09/2025	Passed	0.08	Passed	-0.03
03/09/2025	Passed	0.08	Passed	-0.02
04/09/2025	Passed	0.09	Passed	-0.01
05/09/2025	Passed	0.08	Passed	-0.02
06/09/2025	Passed	0.11	Passed	-0.02
07/09/2025	Passed	0.05	Passed	-0.11
08/09/2025	Passed	0.10	Passed	-0.03
09/09/2025	Passed	0.07	Passed	-0.05
10/09/2025	Passed	0.07	Passed	-0.04
11/09/2025	Passed	0.08	Passed	-0.02
12/09/2025	Passed	0.08	Passed	-0.01
13/09/2025	Passed	0.08	Passed	-0.02
14/09/2025	Passed	0.08	Passed	-0.01
15/09/2025	Passed	0.08	Passed	0.00
16/09/2025	Passed	0.08	Passed	-0.03
17/09/2025	Passed	0.09	Passed	-0.02
18/09/2025	Passed	0.07	Passed	-0.02
19/09/2025	Passed	0.07	Passed	-0.03
20/09/2025	Passed	0.04	Passed	-0.06
21/09/2025	Passed	0.04	Passed	-0.05
22/09/2025	Passed	0.10	Passed	-0.01
23/09/2025	Passed	0.06	Passed	-0.04
24/09/2025	Passed	0.08	*	*
25/09/2025	Passed	0.09	*	*
26/09/2025	Passed	0.07	Passed	-0.05
27/09/2025	Passed	0.10	*	*
28/09/2025	Passed	0.06	Passed	0.13
29/09/2025	Passed	0.07	Passed	-0.06
30/09/2025	Passed	0.07	Passed	-0.06

Remarks:

1. CIC calibration record of 24, 25 and 27 September 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.