

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

Month: March

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)
4/3/2025	260.523	4	3.03	13.92
10/3/2025	260.217	4	3.09	14.08
16/3/2025	259.845	4	3.12	14.39
22/3/2025	259.217	4	3.09	14.07
28/3/2025	260.562	4	3.11	13.76

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)
4/3/2025	263.483	4	3.00	13.68
10/3/2025	264.745	4	3.00	13.68
16/3/2025	264.794	4	3.05	13.91
22/3/2025	263.656	4	3.04	13.85
28/3/2025	264.776	4	2.96	13.47

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)
4/3/2025	257.884	4	3.00	11.90
10/3/2025	257.622	4	3.06	11.45
16/3/2025	257.321	4	3.09	14.07
22/3/2025	256.788	4	3.06	13.96
28/3/2025	256.405	4	2.99	13.65

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: Alex Ng

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
25/3/2025 / 10:15	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT74
New Filter Paper No.	MT75

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)
01/03/2025	Passed	-0.01	Passed	-0.01
02/03/2025	Passed	0.01	Passed	-0.05
03/03/2025	Passed	0.02	Passed	-0.02
04/03/2025	Passed	0.02	Passed	-0.01
05/03/2025	Passed	0.00	Passed	-0.02
06/03/2025	Passed	-0.05	Passed	-0.09
07/03/2025	Passed	-0.05	Passed	-0.09
08/03/2025	Passed	0.05	Passed	-0.17
09/03/2025	Passed	0.08	Passed	-0.14
10/03/2025	Passed	0.07	Passed	-0.03
11/03/2025	Passed	0.09	Passed	-0.07
12/03/2025	Passed	0.00	Passed	-0.03
13/03/2025	Passed	0.00	Passed	-0.13
14/03/2025	Passed	0.00	Passed	-0.10
15/03/2025	Passed	-0.01	Passed	-0.24
16/03/2025	Passed	0.08	Passed	-0.27
17/03/2025	Passed	0.08	Passed	-0.24
18/03/2025	Passed	0.07	Passed	-0.10
19/03/2025	Passed	0.08	Passed	-0.11
20/03/2025	Passed	0.08	Passed	-0.14
21/03/2025	Passed	0.10	Passed	-0.16
22/03/2025	Passed	0.09	Passed	-0.14
23/03/2025	Passed	0.06	Passed	-0.21
24/03/2025	Passed	0.08	Passed	-0.16
25/03/2025	Passed	0.00	Passed	-0.21
26/03/2025	Passed	0.01	Passed	-0.24
27/03/2025	Passed	0.02	Passed	-0.08
28/03/2025	Passed	0.00	Passed	-0.30
29/03/2025	Passed	-0.03	Passed	-0.39
30/03/2025	Passed	-0.05	*	*
31/03/2025	Passed	-0.05	Passed	-0.27

Remarks:

1. CIC calibration record of 30 March 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.