

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

Month: May

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)
3/5/2025	259.651	4	3.00	13.66
9/5/2025	260.387	4	2.99	13.63
15/5/2025	259.876	4	3.00	13.66
21/5/2025	259.674	4	2.97	13.51
27/5/2025	259.293	4	3.02	13.75

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)
3/5/2025	263.330	4	2.92	13.31
9/5/2025	262.995	4	2.92	13.28
15/5/2025	271.000	4	2.82	12.68
21/5/2025	270.825	4	3.00	12.83
27/5/2025	270.289	4	3.00	12.89

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)
3/5/2025	258.149	4	2.97	13.40
9/5/2025	257.749	4	2.97	13.52
15/5/2025	260.008	4	3.00	13.67
21/5/2025	259.976	4	3.00	13.67
27/5/2025	259.645	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
23/5/2025 / 15:00	Donald Kwan

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT84
New Filter Paper No.	MT85

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