

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

Month: November      Year: 2024

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)
4/11/2024	259.369	4	3.00	13.79
10/11/2024	258.752	4	2.54	13.81
16/11/2024	258.434	4	2.40	13.72
22/11/2024	258.219	4	2.34	14.09
28/11/2024	260.025	4	3.11	14.15

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)
4/11/2024	263.757	4	3.00	13.68
10/11/2024	263.014	4	3.00	13.68
16/11/2024	263.718	4	3.00	13.68
22/11/2024	263.390	4	3.00	13.68
28/11/2024	262.884	4	3.00	13.68

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)
4/11/2024	256.588	4	1.88	13.13
10/11/2024	256.221	4	1.71	13.09
16/11/2024	256.027	4	1.67	13.19
22/11/2024	256.714	4	1.96	12.91
28/11/2024	257.430	4	1.90	12.90

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
27/11/2024 / 15:00	Alex Ng

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT54
New Filter Paper No.	MT55

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: 5.00  
After: 5.00 (No Adjustment)

- II. General Services

1. Clean Rotameter: Yes  
2. Clean / Replace Pump Valves: No  
3. Clean / Replace Pump Diaphragms: No  
4. Clean Impaction Inlet: Yes  
5. Replace Timer Battery Every 6 months: Yes  
6. Replace Inlet Filter: Yes

- III. Remarks

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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)
01/11/2024	Passed	0.25	Passed	0.01
02/11/2024	Passed	0.24	Passed	0.02
03/11/2024	Passed	0.05	Passed	-0.01
04/11/2024	Passed	0.05	Passed	0.02
05/11/2024	Passed	0.13	Passed	0.06
06/11/2024	Passed	0.04	Passed	0.03
07/11/2024	Passed	0.10	Passed	0.00
08/11/2024	Passed	0.13	Passed	0.01
09/11/2024	Passed	0.04	Passed	-0.09
10/11/2024	Passed	0.05	Passed	0.03
11/11/2024	Passed	0.04	Passed	0.05
12/11/2024	Passed	0.05	Passed	0.02
13/11/2024	Passed	0.06	Passed	0.00
14/11/2024	Passed	0.03	Passed	0.03
15/11/2024	Passed	0.00	Passed	0.05
16/11/2024	Passed	0.04	Passed	0.01
17/11/2024	Passed	0.05	Passed	0.02
18/11/2024	Passed	0.05	Passed	0.01
19/11/2024	Passed	-0.01	Passed	-0.05
20/11/2024	Passed	-0.04	Passed	-0.05
21/11/2024	Passed	0.01	Passed	-0.02
22/11/2024	Passed	0.09	Passed	-0.04
23/11/2024	Passed	-0.03	Passed	-0.05
24/11/2024	Passed	0.02	Passed	-0.03
25/11/2024	Passed	-0.01	Passed	-0.03
26/11/2024	Passed	0.11	Passed	-0.06
27/11/2024	Passed	0.13	Passed	-0.05
28/11/2024	Passed	0.13	Passed	-0.05
29/11/2024	Passed	0.13	Passed	-0.09
30/11/2024	Passed	0.11	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  $\pm 0.5$  dB.