

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

Month: December      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)
4/12/2024	259.464	4	2.72	13.95
10/12/2024	258.841	4	2.37	14.03
16/12/2024	258.341	4	2.19	14.33
22/12/2024	260.354	4	2.94	14.33
28/12/2024	259.607	4	2.40	14.31

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)
4/12/2024	265.146	4	3.00	13.68
10/12/2024	264.438	4	3.00	13.68
16/12/2024	263.762	4	3.00	13.68
22/12/2024	262.969	4	3.00	13.68
28/12/2024	264.749	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)
4/12/2024	257.032	4	1.71	12.90
10/12/2024	256.692	4	1.61	12.95
16/12/2024	256.399	4	1.51	12.94
22/12/2024	257.834	4	3.11	14.17
28/12/2024	257.146	4	3.11	14.16

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
23/12/2024 / 15:45	David Tsang

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT59
New Filter Paper No.	MT60

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: David Tsang 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)
01/12/2024	Passed	0.02	Passed	-0.06
02/12/2024	Passed	-0.01	Passed	-0.04
03/12/2024	Passed	-0.03	Passed	-0.08
04/12/2024	Passed	-0.02	Passed	-0.05
05/12/2024	Passed	-0.03	Passed	-0.07
06/12/2024	Passed	-0.03	Passed	-0.04
07/12/2024	Passed	0.09	Passed	-0.02
08/12/2024	Passed	0.07	Passed	-0.04
09/12/2024	Passed	-0.03	Passed	-0.05
10/12/2024	Passed	-0.02	Passed	-0.02
11/12/2024	Passed	-0.02	Passed	-0.03
12/12/2024	Passed	0.05	Passed	-0.03
13/12/2024	Passed	0.04	Passed	-0.04
14/12/2024	Passed	0.05	Passed	-0.10
15/12/2024	Passed	0.05	Passed	-0.09
16/12/2024	Passed	0.05	Passed	-0.04
17/12/2024	Passed	0.04	Passed	-0.05
18/12/2024	Passed	0.06	Passed	-0.03
19/12/2024	Passed	0.06	Passed	-0.04
20/12/2024	Passed	0.04	Passed	-0.05
21/12/2024	Passed	0.07	Passed	0.00
22/12/2024	Passed	0.04	Passed	-0.04
23/12/2024	Passed	0.03	Passed	-0.04
24/12/2024	Passed	0.03	Passed	-0.01
25/12/2024	Passed	0.01	Passed	-0.04
26/12/2024	Passed	-0.04	Passed	-0.02
27/12/2024	Passed	-0.04	Passed	-0.02
28/12/2024	Passed	0.06	Passed	-0.08
29/12/2024	Passed	0.00	Passed	-0.04
30/12/2024	Passed	0.01	Passed	-0.03
31/12/2024	Passed	0.04	Passed	0.05

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.