

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

Month: June

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)
1/6/2024	270.579	4	2.83	10.31
7/6/2024	270.493	4	2.84	10.31
13/6/2024	270.750	4	2.80	10.31
19/6/2024	270.689	4	2.80	10.31
25/6/2024	270.549	4	2.61	10.31

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)
1/6/2024	260.329	4	1.90	8.03
7/6/2024	260.943	4	3.00	4.36
13/6/2024	260.666	4	3.00	4.04
19/6/2024	261.153	4	3.00	13.67
25/6/2024	261.358	4	3.00	13.67

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)
1/6/2024	257.060	4	2.09	6.24
7/6/2024	257.720	4	3.00	6.45
13/6/2024	257.508	4	3.00	5.64
19/6/2024	257.251	4	1.79	6.57
25/6/2024	257.140	4	1.54	7.20

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
24/6/2024 / 15:30	David Tsang

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	3393
Used Filter Paper No.	MT28
New Filter Paper No.	MT29

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:                      | <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>No</u>  |
| 6. Replace Inlet Filter                  | <u>Yes</u> |

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)
01/06/2024	Passed	-0.03	Passed	0.01
02/06/2024	Passed	0.02	Passed	0.03
03/06/2024	Passed	-0.04	Passed	0.00
04/06/2024	Passed	0.05	Passed	-0.01
05/06/2024	Passed	0.04	Passed	0.02
06/06/2024	Passed	0.05	Passed	0.02
07/06/2024	Passed	0.04	Passed	0.04
08/06/2024	Passed	0.05	Passed	0.01
09/06/2024	Passed	0.01	Passed	0.02
10/06/2024	Passed	0.07	Passed	0.04
11/06/2024	Passed	0.05	Passed	0.04
12/06/2024	Passed	0.01	Passed	0.02
13/06/2024	Passed	0.03	Passed	0.03
14/06/2024	Passed	-0.01	Passed	0.04
15/06/2024	*	*	Passed	0.00
16/06/2024	Passed	-0.08	Passed	0.02
17/06/2024	Passed	-0.09	Passed	0.02
18/06/2024	Passed	-0.12	Passed	0.03
19/06/2024	Passed	-0.09	Passed	0.03
20/06/2024	Passed	-0.07	Passed	0.05
21/06/2024	Passed	-0.05	Passed	0.07
22/06/2024	Passed	0.00	Passed	0.06
23/06/2024	Passed	-0.01	Passed	0.03
24/06/2024	Passed	0.07	Passed	0.06
25/06/2024	Passed	0.23	Passed	0.03
26/06/2024	Passed	0.20	Passed	0.05
27/06/2024	Passed	0.23	Passed	0.06
28/06/2024	Passed	0.23	Passed	0.04
29/06/2024	Passed	0.21	Passed	0.05
30/06/2024	Passed	0.20	Passed	0.04
31/05/2024	Passed	-0.08	Passed	0.01

Remarks:

1. CIC calibration record of 15 June 2024 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  $\pm 0.5$  dB.