

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

Month: June

Year: 2023

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)
1/6/2023	267.961	4	2.85	10.31
7/6/2023	270.675	4	2.85	10.31
13/6/2023	270.551	4	2.82	10.31
19/6/2023	270.233	4	2.84	10.31
25/6/2023	269.835	4	2.84	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)
1/6/2023	266.332	4	3.00	13.66
7/6/2023	265.974	4	3.00	13.66
13/6/2023	265.703	4	3.00	13.66
19/6/2023	267.469	4	3.00	13.66
25/6/2023	267.078	4	3.00	13.66

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)
1/6/2023	257.262	4	1.52	13.68
7/6/2023	257.161	4	1.47	13.68
13/6/2023	257.104	4	1.45	13.68
19/6/2023	257.830	4	3.00	13.67
25/6/2023	257.585	4	2.50	13.68

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
20/06/2023 / 14:00	WM Tam / Brian So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS66
New filter paper no.	MS67

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: 5.069  
After: 5.043

- 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: No
6. Replace Inlet Filter: Yes

Remarks

N/A

Conducted by: WM Tam / Brian So

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)
01/06/2023	Passed	0	Passed	-0.01
02/06/2023	Passed	0.01	Passed	-0.03
03/06/2023	Passed	0	Passed	-0.01
04/06/2023	Passed	0.01	Passed	-0.02
05/06/2023	Passed	0	Passed	-0.02
06/06/2023	Passed	-0.03	Passed	-0.03
07/06/2023	Passed	0	Passed	-0.04
08/06/2023	Passed	-0.01	Passed	-0.02
09/06/2023	Passed	-0.02	Passed	-0.01
10/06/2023	Passed	0	Passed	-0.01
11/06/2023	Passed	-0.01	Passed	-0.03
12/06/2023	Passed	-0.01	Passed	-0.02
13/06/2023	Passed	0.02	Passed	0.01
14/06/2023	Passed	0	Passed	-0.03
15/06/2023	Passed	-0.02	Passed	-0.04
16/06/2023	Passed	-0.02	Passed	-0.05
17/06/2023	Passed	-0.03	Passed	-0.05
18/06/2023	Passed	-0.01	Passed	-0.03
19/06/2023	Passed	-0.01	Passed	0.00
20/06/2023	Passed	-0.01	Passed	0.00
21/06/2023	Passed	0.01	Passed	-0.01
22/06/2023	Passed	0	Passed	-0.02
23/06/2023	Passed	0	Passed	-0.02
24/06/2023	Passed	-0.03	Passed	-0.03
25/06/2023	Passed	-0.01	Passed	-0.02
26/06/2023	Passed	0.01	Passed	-0.02
27/06/2023	Passed	0	Passed	0.00
28/06/2023	Passed	0	Passed	-0.03
29/06/2023	Passed	0.02	Passed	0.00
30/06/2023	Passed	0.01	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  $\pm 0.5$  dB.