

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

Month: Jul

Year: 2021

Reservoir (AM1)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
5/7/2021	267.284	4	2.94	13.32
11/7/2021	270.171	4	2.96	12.64
17/7/2021	269.937	4	2.98	12.48
23/7/2021	269.720	4	2.88	11.97
29/7/2021	269.170	4	2.91	10.74

East Gate (AM2)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
5/7/2021	249.614	4	2.94	13.36
11/7/2021	249.352	4	2.91	13.30
17/7/2021	252.057	4	2.96	13.42
23/7/2021	251.800	4	2.88	13.14
29/7/2021	251.262	4	2.88	13.18

Ash Lagoon (AM3)				
Date	Frequency (Hz) (240 - 275)	Operation Mode (Mode 4)	Main Flow (l/m in) (2.70 - 3.30)	Bypass Flow (l/m in) (12.30 - 15.04)
5/7/2021	256.287	4	3.00	13.68
11/7/2021	256.138	4	3.00	13.68
17/7/2021	256.023	4	3.00	13.68
23/7/2021	256.758	4	3.00	13.68
29/7/2021	256.422	4	3.00	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
21/07/2021 / 11:00	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR48
New filter paper no.	MR49

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: 5.033  
After: 5.033 (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

Remarks

N/A

Conducted by: WM Tam

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)
01/07/2021	Passed	-0.03	Passed	0.17
02/07/2021	Passed	-0.01	Passed	0.17
03/07/2021	Passed	-0.01	Passed	0.17
04/07/2021	Passed	-0.02	Passed	0.16
05/07/2021	Passed	-0.03	Passed	0.16
06/07/2021	Passed	-0.01	Passed	0.13
07/07/2021	Passed	-0.02	Passed	0.17
08/07/2021	Passed	-0.01	Passed	0.16
09/07/2021	Passed	-0.01	Passed	0.16
10/07/2021	Passed	-0.02	Passed	0.17
11/07/2021	Passed	-0.01	Passed	0.18
12/07/2021	Passed	0.00	Passed	0.19
13/07/2021	Passed	-0.01	Passed	0.18
14/07/2021	Passed	0.01	Passed	0.17
15/07/2021	Passed	-0.02	Passed	0.17
16/07/2021	Passed	-0.03	Passed	0.15
17/07/2021	Passed	-0.05	Passed	0.14
18/07/2021	Passed	-0.05	Passed	0.15
19/07/2021	Passed	-0.03	Passed	0.13
20/07/2021	Passed	-0.04	Passed	0.18
21/07/2021	Passed	-0.03	Passed	0.16
22/07/2021	Passed	-0.01	Passed	0.15
23/07/2021	Passed	0.00	Passed	0.18
24/07/2021	Passed	-0.03	Passed	0.16
25/07/2021	Passed	-0.01	Passed	0.15
26/07/2021	Passed	-0.01	Passed	0.18
27/07/2021	Passed	-0.01	Passed	0.16
28/07/2021	Passed	-0.01	Passed	0.16
29/07/2021	Passed	-0.01	Passed	0.16
30/07/2021	Passed	-0.04	Passed	0.16
31/07/2021	Passed	-0.03	Passed	0.14

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.