

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

Month: November Year: 2021

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)
2/11/2021	269.901	4	3.01	12.30
8/11/2021	269.441	4	3.00	13.02
14/11/2021	268.818	4	3.01	13.03
20/11/2021	268.149	4	2.99	12.96
26/11/2021	267.517	4	2.99	13.21

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)
2/11/2021	250.701	4	2.90	13.70
8/11/2021	249.864	4	3.04	13.83
14/11/2021	248.983	4	3.03	13.80
20/11/2021	248.334	4	2.93	13.72
26/11/2021	251.794	4	3.00	13.74

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)
2/11/2021	256.330	4	3.00	13.68
8/11/2021	255.961	4	3.00	13.68
14/11/2021	255.400	4	3.00	13.68
20/11/2021	256.802	4	3.00	13.68
26/11/2021	256.194	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
16/11/2021 / 14:00	WM Tam / Brain So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR69
New filter paper no.	MR70

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: 4.983  
After: 5.033

- 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 / Brain 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)
01/11/2021	Passed	-0.10	Passed	-0.11
02/11/2021	Passed	-0.09	Passed	-0.08
03/11/2021	Passed	-0.09	Passed	-0.10
04/11/2021	Passed	-0.09	Passed	-0.09
05/11/2021	Passed	-0.08	Passed	-0.08
06/11/2021	Passed	-0.08	Passed	-0.10
07/11/2021	Passed	-0.14	Passed	-0.16
08/11/2021	Passed	-0.11	Passed	-0.13
09/11/2021	Passed	-0.11	Passed	-0.12
10/11/2021	Passed	-0.12	Passed	-0.12
11/11/2021	Passed	-0.10	Passed	-0.11
12/11/2021	Passed	-0.10	Passed	-0.11
13/11/2021	Passed	-0.12	Passed	-0.12
14/11/2021	Passed	-0.12	Passed	-0.11
15/11/2021	Passed	-0.10	Passed	-0.11
16/11/2021	Passed	-0.10	Passed	-0.09
17/11/2021	Passed	-0.11	Passed	-0.13
18/11/2021	Passed	-0.10	Passed	-0.11
19/11/2021	Passed	-0.10	Passed	-0.11
20/11/2021	Passed	-0.10	Passed	-0.10
21/11/2021	Passed	-0.13	Passed	-0.16
22/11/2021	Passed	-0.14	Passed	-0.15
23/11/2021	Passed	-0.12	Passed	-0.12
24/11/2021	Passed	-0.11	Passed	-0.12
25/11/2021	Passed	-0.11	Passed	-0.09
26/11/2021	Passed	-0.11	Passed	-0.13
27/11/2021	Passed	-0.11	Passed	-0.11
28/11/2021	Passed	-0.11	Passed	-0.11
29/11/2021	Passed	-0.11	Passed	-0.16
30/11/2021	Passed	-0.14	Passed	-0.15

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.