

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

Month: February 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)
6/2/2021	269.168	4	2.95	13.05
12/2/2021	268.673	4	2.97	13.00
18/2/2021	268.203	4	3.03	13.06
24/2/2021	267.594	4	2.98	12.97

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)
6/2/2021	250.332	4	3.04	13.84
12/2/2021	249.827	4	3.04	13.88
18/2/2021	251.712	4	3.10	14.12
24/2/2021	251.126	4	3.06	13.94

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)
6/2/2021	254.922	4	3.00	11.21
12/2/2021	256.892	4	3.00	13.68
18/2/2021	256.503	4	3.00	13.68
24/2/2021	256.036	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
16/02/2021 / 10:15	W.M. Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR22
New filter paper no.	MR23

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: 5.01  
After: 5.01 (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: No
6. Replace Inlet Filter: Yes

Remarks

N/A

Conducted by: W.M. 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)
01/02/2021	Passed	-0.09	Passed	0.11
02/02/2021	Passed	-0.11	Passed	0.08
03/02/2021	Passed	-0.10	Passed	0.09
04/02/2021	Passed	-0.11	Passed	0.08
05/02/2021	Passed	-0.11	Passed	0.09
06/02/2021	Passed	-0.11	Passed	0.09
07/02/2021	Passed	-0.09	Passed	0.09
08/02/2021	Passed	-0.06	Passed	0.10
09/02/2021	Passed	-0.09	Passed	0.07
10/02/2021	Passed	-0.13	Passed	0.04
11/02/2021	Passed	-0.10	Passed	0.07
12/02/2021	Passed	-0.12	Passed	0.08
13/02/2021	Passed	-0.10	Passed	0.10
14/02/2021	Passed	-0.09	Passed	0.10
15/02/2021	Passed	-0.09	Passed	0.10
16/02/2021	Passed	-0.10	Passed	0.09
17/02/2021	Passed	-0.10	Passed	0.09
18/02/2021	Passed	-0.11	Passed	0.07
19/02/2021	Passed	-0.11	Passed	0.07
20/02/2021	Passed	-0.11	Passed	0.08
21/02/2021	Passed	-0.09	Passed	0.10
22/02/2021	Passed	-0.10	Passed	0.10
23/02/2021	Passed	-0.08	Passed	0.09
24/02/2021	Passed	-0.10	Passed	0.12
25/02/2021	Passed	-0.08	Passed	0.10
26/02/2021	Passed	-0.07	Passed	0.10
27/02/2021	Passed	-0.11	Passed	0.08
28/02/2021	Passed	-0.10	Passed	0.10

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.