

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

Month: July

Year: 2022

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)
6/7/2022	271.294	4	2.88	10.31
12/7/2022	271.118	4	2.85	10.31
18/7/2022	270.759	4	2.83	10.31
24/7/2022	270.350	4	2.81	10.31
30/7/2022	269.869	4	2.88	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)
6/7/2022	251.237	4	2.66	13.56
12/7/2022	253.426	4	2.92	13.33
18/7/2022	253.227	4	2.96	13.38
24/7/2022	253.104	4	2.92	13.24
30/7/2022	252.824	4	2.99	13.44

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)
6/7/2022	258.080	4	3.00	13.68
12/7/2022	257.969	4	3.00	13.68
18/7/2022	258.288	4	3.00	13.68
24/7/2022	258.124	4	3.00	13.68
30/7/2022	257.918	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
13/07/2022 / 10:15	W.M. TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS09
New filter paper no.	MS10

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: 5.022  
After: 5.022 (No adjustment)

- II. General Services

1. Clean Rotameter: Yes
2. Clean / Replace Pump Valves: Yes
3. Clean / Replace Pump Diaphragms: Yes
4. Clean Impaction Inlet: Yes
5. Replace Timer Battery Every 6 months: Yes
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)
01/07/2022	Passed	0.14	Passed	-0.04
02/07/2022	Passed	0.07	Passed	-0.02
03/07/2022	Passed	0.03	Passed	0.00
04/07/2022	Passed	0.05	Passed	-0.02
05/07/2022	Passed	0.05	Passed	0.01
06/07/2022	Passed	0.08	Passed	0.02
07/07/2022	Passed	0.06	Passed	0.03
08/07/2022	Passed	0.08	Passed	0.07
09/07/2022	Passed	0.07	Passed	0.05
10/07/2022	Passed	0.10	Passed	0.04
11/07/2022	Passed	0.08	Passed	0.06
12/07/2022	Passed	0.10	Passed	0.03
13/07/2022	Passed	0.09	Passed	0.04
14/07/2022	Passed	0.07	Passed	0.04
15/07/2022	Passed	0.06	Passed	0.03
16/07/2022	Passed	0.05	Passed	0.03
17/07/2022	Passed	0.09	Passed	0.06
18/07/2022	Passed	0.11	Passed	0.06
19/07/2022	Passed	0.10	Passed	0.05
20/07/2022	Passed	0.10	Passed	0.04
21/07/2022	Passed	0.10	Passed	0.05
22/07/2022	Passed	0.10	Passed	0.05
23/07/2022	Passed	0.08	Passed	0.07
24/07/2022	Passed	0.10	Passed	0.04
25/07/2022	Passed	0.11	Passed	0.05
26/07/2022	Passed	0.12	Passed	0.04
27/07/2022	Passed	0.08	Passed	0.05
28/07/2022	Passed	0.09	Passed	0.03
29/07/2022	Passed	0.08	Passed	0.02
30/07/2022	Passed	0.09	Passed	0.04
31/07/2022	Passed	0.09	Passed	0.02

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.