

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

Month: Aug

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)
4/8/2021	270.035	4	2.93	13.15
10/8/2021	269.508	4	2.95	11.87
16/8/2021	269.177	4	2.97	12.67
22/8/2021	268.876	4	2.93	12.36
28/8/2021	268.675	4	2.96	12.08

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)
4/8/2021	250.919	4	2.90	13.26
10/8/2021	251.504	4	2.92	13.31
16/8/2021	251.172	4	2.94	13.43
22/8/2021	250.826	4	2.92	13.31
28/8/2021	250.592	4	2.97	13.61

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)
4/8/2021	256.192	4	3.00	13.68
10/8/2021	255.868	4	3.00	13.68
16/8/2021	255.668	4	3.00	13.68
22/8/2021	257.045	4	3.00	13.68
28/8/2021	256.904	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
17/08/2021 / 14:15	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR53
New filter paper no.	MR54

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: 5.012  
After: 5.012 (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: WM Tam

Checked by: SM Hon

**The Hongkong Electric Co., Ltd.**  
**Lamma Power Station Extension**  
**Noise Monitoring Station**  
**Site Visit Log Sheet**

Location: Ching Lam

Date/Time	Staff Attended
18/8/2021 / 14:00	WM Tam / Brian So

Equipment	Serial No.
B&K 2250	3009916

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 3014754)

Noise level measured in calibration: 94.0 (94 ±1.0 dBA)

2. Weather Conditions

a. Sunny

b. Calm

3. Remark/Observation

N/A

Prepared by: WM Tam

Checked by: TL Chu

**The Hongkong Electric Co., Ltd.**  
**Lamma Power Station Extension**  
**Noise Monitoring Station**  
**Daily Calibration Record**

Date	Location: Ash Lagoon	
	Calibration Results	Deviation from Reference (dB)
01/08/2021	Passed	-0.03
02/08/2021	Passed	-0.03
03/08/2021	Passed	-0.04
04/08/2021	Passed	-0.02
05/08/2021	Passed	-0.07
06/08/2021	Passed	-0.05
07/08/2021	Passed	-0.02
08/08/2021	Passed	-0.04
09/08/2021	Passed	-0.03
10/08/2021	Passed	-0.02
11/08/2021	Passed	-0.02
12/08/2021	Passed	-0.03
13/08/2021	Passed	-0.04
14/08/2021	Passed	-0.05
15/08/2021	Passed	-0.03
16/08/2021	Passed	-0.02
17/08/2021	Passed	-0.04
18/08/2021	Passed	-0.02
19/08/2021	Passed	-0.01
20/08/2021	Passed	0.00
21/08/2021	Passed	-0.02
22/08/2021	Passed	-0.01
23/08/2021	Passed	-0.01
24/08/2021	Passed	-0.02
25/08/2021	Passed	-0.01
26/08/2021	Passed	-0.05
27/08/2021	Passed	-0.04
28/08/2021	Passed	-0.02
29/08/2021	Passed	-0.04
30/08/2021	Passed	-0.05
31/08/2021	Passed	-0.06

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.