

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

Month: September 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)
4/9/2022	270.988	4	2.81	10.31
10/9/2022	270.227	4	2.87	10.31
16/9/2022	269.251	4	2.82	10.31
22/9/2022	268.522	4	2.86	10.31
28/9/2022	267.913	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)
4/9/2022	252.192	4	2.74	13.44
10/9/2022	253.129	4	3.06	13.55
16/9/2022	252.414	4	2.83	13.38
22/9/2022	252.046	4	2.19	13.44
28/9/2022	251.796	4	2.30	13.54

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)
4/9/2022	257.512	4	2.52	13.68
10/9/2022	256.914	4	2.26	13.68
16/9/2022	258.437	4	3.00	13.68
22/9/2022	257.809	4	2.84	13.69
28/9/2022	257.320	4	2.56	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
20/09/2022 / 10:15	WM TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS20
New filter paper no.	MS21

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: 5.043
After: 5.043 (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
13/9/2022 / 15:00	WM Tam/Pako Yu

Equipment	Serial No.
B&K 2250	3008903

1. Calibration

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

Noise level measured in calibration: 93.7 (94 ±1.0 dBA)

2. Weather Conditions

- a. Fine
- 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)
01/09/2022	Passed	0.03
02/09/2022	Passed	0.05
03/09/2022	Passed	0.05
04/09/2022	Passed	0.06
05/09/2022	Passed	0.05
06/09/2022	Passed	0.02
07/09/2022	Passed	0.03
08/09/2022	Passed	0.03
09/09/2022	Passed	0.03
10/09/2022	Passed	0.03
11/09/2022	Passed	0.04
12/09/2022	Passed	0.06
13/09/2022	Passed	0.05
14/09/2022	Passed	0.03
15/09/2022	Passed	0.04
16/09/2022	Passed	0.03
17/09/2022	Passed	0.04
18/09/2022	Passed	0.05
19/09/2022	Passed	0.03
20/09/2022	Passed	0.02
21/09/2022	Passed	0.02
22/09/2022	Passed	0.03
23/09/2022	Passed	0.01
24/09/2022	Passed	0.03
25/09/2022	Passed	0.03
26/09/2022	Passed	0.03
27/09/2022	Passed	0.03
28/09/2022	Passed	0.02
29/09/2022	Passed	-0.03
30/09/2022	Passed	0.01

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 ± 0.5 dB.