

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

Month: September Year: 2023

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)
5/9/2023	270.682	4	2.82	10.31
11/9/2023	270.305	4	2.85	10.31
17/9/2023	270.078	4	2.84	10.31
23/9/2023	269.474	4	2.83	10.31
29/9/2023	269.016	4	2.84	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)
5/9/2023	267.604	4	3.00	13.66
11/9/2023	267.255	4	3.00	13.66
17/9/2023	267.012	4	3.00	13.66
23/9/2023	266.657	4	3.00	13.66
29/9/2023	266.331	4	3.00	13.66

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)
5/9/2023	256.699	4	1.54	13.68
11/9/2023	257.635	4	2.45	13.58
17/9/2023	257.514	4	2.24	13.68
23/9/2023	257.367	4	1.95	13.68
29/9/2023	257.189	4	1.85	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
19/09/2023 / 15:00	WM Tam / Brian So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS81
New filter paper no.	MS82

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: 5.087
After: 5.036

- 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

Low flow alarm had been triggered and the Mini-Vol was reset. The Mini-Vol was set in advance to operate on 20/09/2023 (Wed) instead of 23/09/2023 (Sat) as scheduled.

Conducted by: WM Tam / Brian So

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
6/9/2023 / 11:00	WM Tam/Brian So

Equipment	Serial No.
B&K 2250	3008903

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 2376422)

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: Brian So

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

Location: Ash Lagoon

Date/Time	Staff Attended
6/9/2023 / 14:00	WM Tam/Brian So

Equipment	Serial No.
B&K 2250	3023760

1. Calibration

Acoustic calibrator: B&K 4231 (S/N: 2376422)
Noise level measured in calibration: 93.6 (94 ±1.0 dBA)

2. Weather Conditions

- a. Fine
- b. Calm

3. Remark/Observation

N/A

Prepared by: WM Tam

Checked by: Brian So