

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

Month: March

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)
3/3/2023	267.534	4	2.99	10.31
9/3/2023	271.142	4	2.92	10.31
15/3/2023	270.132	4	2.94	10.31
21/3/2023	269.590	4	2.91	10.31
27/3/2023	269.242	4	2.98	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)
3/3/2023	264.844	4	3.00	13.66
9/3/2023	264.104	4	3.00	13.67
15/3/2023	263.221	4	3.00	13.67
21/3/2023	267.786	4	3.00	13.67
27/3/2023	267.432	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)
3/3/2023	256.908	4	2.36	13.68
9/3/2023	256.385	4	2.14	13.68
15/3/2023	255.817	4	1.94	13.68
21/3/2023	255.530	4	1.90	13.68
27/3/2023	257.546	4	2.52	13.69

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
10/03/2023 / 14:00	WM Tam / Brian So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS49
New filter paper no.	MS50

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: 5.021
After: 5.021 (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 / 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
17/3/2023 / 11:00	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: 93.8 (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)
01/03/2023	Passed	-0.04
02/03/2023	Passed	-0.07
03/03/2023	Passed	-0.05
04/03/2023	Passed	-0.05
05/03/2023	Passed	-0.04
06/03/2023	Passed	-0.04
07/03/2023	Passed	-0.03
08/03/2023	Passed	-0.04
09/03/2023	Passed	-0.02
10/03/2023	Passed	-0.03
11/03/2023	Passed	-0.02
12/03/2023	Passed	-0.06
13/03/2023	Passed	-0.05
14/03/2023	Passed	-0.03
15/03/2023	Passed	-0.05
16/03/2023	Passed	-0.03
17/03/2023	Passed	-0.01
18/03/2023	Passed	-0.03
19/03/2023	Passed	-0.02
20/03/2023	Passed	0.01
21/03/2023	Passed	0.01
22/03/2023	Passed	-0.01
23/03/2023	Passed	-0.01
24/03/2023	Passed	-0.02
25/03/2023	Passed	-0.05
26/03/2023	Passed	-0.07
27/03/2023	Passed	-0.05
28/03/2023	Passed	-0.02
29/03/2023	Passed	-0.06
30/03/2023	Passed	-0.04
31/03/2023	Passed	-0.03

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.