

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

Month: November 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)
4/11/2022	271.314	4	2.95	10.31
10/11/2022	270.974	4	2.90	10.31
16/11/2022	270.564	4	2.92	10.31
22/11/2022	270.165	4	2.93	10.31
28/11/2022	269.932	4	2.86	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)
4/11/2022	262.662	4	2.10	13.82
10/11/2022	262.462	4	2.16	13.90
16/11/2022	265.170	4	2.63	13.85
22/11/2022	264.860	4	2.32	13.82
28/11/2022	264.714	4	2.34	13.52

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)
4/11/2022	257.194	4	2.58	13.67
10/11/2022	257.496	4	3.00	13.68
16/11/2022	257.131	4	2.77	13.68
22/11/2022	256.766	4	2.52	13.68
28/11/2022	256.585	4	2.50	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
17/11/2022 / 10:30	WM Tam / Brian So

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS30
New filter paper no.	MS31

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: 4.961
After: 5.012 (After flow 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: Yes
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: Ash Lagoon

Date/Time	Staff Attended
4/11/2022 / 13:30	WM Tam / Brian So

Equipment	Serial No.
B&K 2250	3008621

1. Calibration

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

Noise level measured in calibration: 93.9 (94 ±1.0 dBA)

2. Weather Conditions

a. Cloudy

b. Breeze

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: Ching Lam	
	Calibration Results	Deviation from Reference (dB)
01/11/2022	Passed	-0.05
02/11/2022	Passed	-0.06
03/11/2022	Passed	-0.05
04/11/2022	Passed	-0.04
05/11/2022	Passed	-0.04
06/11/2022	Passed	-0.04
07/11/2022	Passed	-0.05
08/11/2022	Passed	-0.01
09/11/2022	Passed	-0.03
10/11/2022	Passed	0.00
11/11/2022	Passed	-0.02
12/11/2022	Passed	-0.02
13/11/2022	Passed	-0.02
14/11/2022	Passed	0.00
15/11/2022	Passed	0.00
16/11/2022	Passed	0.01
17/11/2022	Passed	0.01
18/11/2022	Passed	0.02
19/11/2022	Passed	0.03
20/11/2022	Passed	0.02
21/11/2022	Passed	-0.02
22/11/2022	Passed	0.02
23/11/2022	Passed	0.04
24/11/2022	Passed	0.06
25/11/2022	Passed	0.06
26/11/2022	Passed	0.06
27/11/2022	Passed	0.05
28/11/2022	Passed	0.08
29/11/2022	Passed	0.06
30/11/2022	Passed	0.00

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.