

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

Month: May

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)
01/05/2022	269.902	4	3.00	10.31
07/05/2022	271.365	4	2.92	10.31
13/05/2022	271.019	4	2.92	10.31
19/05/2022	270.804	4	2.91	10.31
25/05/2022	270.416	4	2.93	10.31
31/05/2022	270.170	4	2.93	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)
01/05/2022	251.080	4	2.54	14.16
07/05/2022	253.154	4	3.24	13.71
13/05/2022	252.788	4	3.02	13.71
19/05/2022	252.476	4	2.72	13.64
25/05/2022	252.094	4	2.69	13.64
31/05/2022	251.788	4	2.70	13.64

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)
01/05/2022	257.020	4	2.76	13.68
07/05/2022	256.707	4	2.84	13.68
13/05/2022	258.134	4	3.00	13.36
19/05/2022	257.936	4	3.00	13.68
25/05/2022	252.122	4	3.00	13.28
31/05/2022	257.460	4	3.00	12.06

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
20/05/2022 / 10:15	WM TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MS00
New filter paper no.	MS01

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: 5.00
After: 5.00 (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: Ash Lagoon

Date/Time	Staff Attended
10/5/2022 / 13:45	WM Tam

Equipment	Serial No.
B&K 2250	3008621

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. 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)
01/05/2022	Passed	-0.16
02/05/2022	Passed	-0.10
03/05/2022	Passed	-0.10
04/05/2022	Passed	-0.12
05/05/2022	Passed	-0.09
06/05/2022	Passed	-0.12
07/05/2022	Passed	-0.09
08/05/2022	Passed	-0.06
09/05/2022	Passed	-0.07
10/05/2022	Passed	-0.12
11/05/2022	Passed	-0.10
12/05/2022	Passed	-0.10
13/05/2022	Passed	-0.06
14/05/2022	Passed	-0.05
15/05/2022	Passed	-0.16
16/05/2022	Passed	-0.09
17/05/2022	Passed	-0.11
18/05/2022	Passed	-0.05
19/05/2022	Passed	-0.10
20/05/2022	Passed	-0.07
21/05/2022	Passed	-0.09
22/05/2022	Passed	-0.08
23/05/2022	Passed	-0.10
24/05/2022	Passed	-0.09
25/05/2022	Passed	-0.09
26/05/2022	Passed	-0.03
27/05/2022	Passed	-0.05
28/05/2022	Passed	-0.08
29/05/2022	Passed	-0.06
30/05/2022	Passed	-0.08
31/05/2022	Passed	-0.08

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.