

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

Month: June Year: 2020

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)
05/06/2020	268.078	4	2.94	13.40
11/06/2020	267.749	4	2.94	13.38
17/06/2020	269.054	4	2.94	13.42
23/06/2020	268.749	4	2.93	13.35
29/06/2020	268.439	4	2.92	13.32

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)
05/06/2020	256.494	4	2.97	13.52
11/06/2020	256.192	4	2.96	13.49
17/06/2020	256.985	4	2.96	13.51
23/06/2020	256.574	4	2.97	13.52
29/06/2020	255.983	4	2.95	13.45

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)
05/06/2020	255.892	4	3.00	13.67
11/06/2020	255.658	4	3.00	13.67
17/06/2020	255.499	4	3.00	13.67
23/06/2020	255.770	4	3.00	13.67
29/06/2020	255.592	4	3.00	13.67

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
15/06/2020 / 14:00	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ81
New filter paper no.	MQ82

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: 5.03
After: 5.03

- 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
4/6/2020 / 15:40	Jing Lui / TL Chu

Equipment	Serial No.
B&K 2250	3009916

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. Sunny

b. Calm

3. Beacon

Function normally: Yes

4. Remark/Observation

N/A

Prepared by: Jing Lui

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)
01/06/2020	Passed	0.02
02/06/2020	Passed	0.01
03/06/2020	Passed	0.02
04/06/2020	Passed	0.01
05/06/2020	Passed	-0.04
06/06/2020	Passed	-0.01
07/06/2020	Passed	0.01
08/06/2020	Passed	0.02
09/06/2020	Passed	0.01
10/06/2020	Passed	0.01
11/06/2020	Passed	0.02
12/06/2020	Passed	0.03
13/06/2020	Passed	0.00
14/06/2020	Passed	0.03
15/06/2020	Passed	-0.03
16/06/2020	Passed	-0.02
17/06/2020	Passed	0.00
18/06/2020	Passed	0.03
19/06/2020	Passed	0.00
20/06/2020	Passed	0.03
21/06/2020	Passed	0.02
22/06/2020	Passed	0.01
23/06/2020	Passed	0.04
24/06/2020	Passed	0.02
25/06/2020	Passed	0.01
26/06/2020	Passed	0.03
27/06/2020	Passed	0.06
28/06/2020	Passed	0.03
29/06/2020	Passed	0.01
30/06/2020	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.