

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

Month: September 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)
03/09/2020	268.486	4	2.89	13.18
09/09/2020	268.207	4	2.94	13.38
15/09/2020	269.779	4	2.96	13.50
21/09/2020	269.653	4	2.95	13.47
27/09/2020	269.283	4	2.93	13.36

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)
03/09/2020	251.444	4	2.93	13.38
09/09/2020	251.341	4	2.94	13.39
15/09/2020	251.049	4	2.97	13.55
21/09/2020	250.781	4	2.97	13.52
27/09/2020	250.361	4	2.96	13.44

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)
03/09/2020	255.266	4	3.00	10.13
09/09/2020	255.016	4	3.00	12.76
15/09/2020	254.828	4	3.00	12.34
21/09/2020	254.678	4	3.00	13.22
27/09/2020	254.362	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
17/09/2020 / 13:15	WM Tam / HM Chan

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ97
New filter paper no.	MQ98

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: 5.112
After: 5.030

- 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 / HM Chan

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
4/9/2020 / 11:00	WM Tam / TL Chu

Equipment	Serial No.
B&K 2250	3024699

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: 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)
01/09/2020	Passed	0.03
02/09/2020	Passed	0.01
03/09/2020	Passed	0.01
04/09/2020	Passed	0.01
05/09/2020	Passed	0.01
06/09/2020	Passed	0.02
07/09/2020	Passed	0.01
08/09/2020	Passed	0.00
09/09/2020	Passed	0.00
10/09/2020	Passed	0.02
11/09/2020	Passed	0.00
12/09/2020	Passed	0.02
13/09/2020	Passed	0.01
14/09/2020	Passed	0.02
15/09/2020	Passed	0.05
16/09/2020	Passed	0.07
17/09/2020	Passed	0.08
18/09/2020	Passed	0.00
19/09/2020	Passed	0.02
20/09/2020	Passed	0.00
21/09/2020	Passed	0.00
22/09/2020	Passed	0.02
23/09/2020	Passed	0.03
24/09/2020	Passed	0.03
25/09/2020	Passed	0.01
26/09/2020	Passed	0.03
27/09/2020	Passed	0.01
28/09/2020	Passed	0.08
29/09/2020	Passed	0.00
30/09/2020	Passed	0.02

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.