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

Month: October 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)
03/10/2020	268.946	4	2.93	13.40
09/10/2020	268.479	4	2.94	13.41
15/10/2020	269.017	4	2.96	13.34
21/10/2020	268.551	4	2.96	13.37
27/10/2020	267.729	4	2.94	13.39

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)
03/10/2020	250.005	4	2.95	13.42
09/10/2020	249.487	4	2.95	13.41
15/10/2020	248.915	4	2.99	13.56
21/10/2020	248.233	4	2.97	13.52
27/10/2020	247.395	4	2.78	13.74

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)
03/10/2020	256.633	4	3.00	13.67
09/10/2020	256.192	4	3.00	13.67
15/10/2020	255.712	4	3.00	13.67
21/10/2020	255.188	4	3.00	13.67
27/10/2020	255.985	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
16/10/2020 / 15:00	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR02
New filter paper no.	MR03

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

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: Ching Lam

Date/Time	Staff Attended
16/10/2020 / 13:30	WM Tam

Equipment	Serial No.
B&K 2250	3008903

1. Calibration

   Acoustic calibrator: B&K 4231 (S/N: 2730419)

   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: Ash Lagoon	
	Calibration Results	Deviation from Reference (dB)
01/10/2020	Passed	-0.04
02/10/2020	Passed	-0.04
03/10/2020	Passed	-0.02
04/10/2020	Passed	-0.02
05/10/2020	Passed	-0.05
06/10/2020	Passed	-0.05
07/10/2020	Passed	-0.05
08/10/2020	Passed	-0.04
09/10/2020	Passed	-0.05
10/10/2020	Passed	-0.05
11/10/2020	Passed	-0.03
12/10/2020	Passed	-0.11
13/10/2020	Passed	-0.03
14/10/2020	Passed	-0.04
15/10/2020	Passed	-0.05
16/10/2020	Passed	-0.07
17/10/2020	Passed	-0.05
18/10/2020	Passed	-0.05
19/10/2020	Passed	-0.05
20/10/2020	Passed	-0.07
21/10/2020	Passed	-0.06
22/10/2020	Passed	-0.06
23/10/2020	Passed	-0.07
24/10/2020	Passed	-0.07
25/10/2020	Passed	-0.08
26/10/2020	Passed	-0.07
27/10/2020	Passed	-0.07
28/10/2020	Passed	-0.06
29/10/2020	Passed	-0.07
30/10/2020	Passed	-0.06
31/10/2020	Passed	-0.07

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.