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

Month: April Year: 2021

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)
6/4/2021	268.326	4	3.06	13.70
12/4/2021	269.972	4	3.04	13.81
18/4/2021	269.478	4	3.06	13.60
24/4/2021	268.501	4	3.03	13.53
30/4/2021	268.086	4	3.01	13.63

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)
6/4/2021	249.104	4	2.74	13.86
12/4/2021	251.536	4	3.01	13.69
18/4/2021	251.074	4	3.01	13.76
24/4/2021	250.203	4	3.01	13.63
30/4/2021	249.837	4	3.09	13.92

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)
6/4/2021	255.468	4	3.00	13.68
12/4/2021	255.060	4	3.00	13.68
18/4/2021	254.704	4	3.00	13.68
24/4/2021	256.342	4	3.00	13.68
30/4/2021	256.058	4	3.00	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
19/04/2021 / 10:15	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR33
New filter paper no.	MR34

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: 5.023
After: 5.023 (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: Ching Lam

Date/Time	Staff Attended
12/4/2021 / 13:45	WM Tam

Equipment	Serial No.
B&K 2250	3008903

1. Calibration

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

   Noise level measured in calibration: 94.0 (94 ±1.0 dBA)

2. Weather Conditions

   a. Fine

   b. Calm

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: Ash Lagoon	
	Calibration Results	Deviation from Reference (dB)
01/04/2021	Passed	-0.06
02/04/2021	Passed	-0.04
03/04/2021	Passed	-0.06
04/04/2021	Passed	-0.07
05/04/2021	Passed	-0.07
06/04/2021	Passed	-0.05
07/04/2021	Passed	-0.05
08/04/2021	Passed	-0.08
09/04/2021	Passed	-0.07
10/04/2021	Passed	-0.07
11/04/2021	Passed	-0.06
12/04/2021	Passed	-0.05
13/04/2021	Passed	-0.03
14/04/2021	Passed	-0.05
15/04/2021	Passed	-0.07
16/04/2021	Passed	-0.05
17/04/2021	Passed	-0.10
18/04/2021	Passed	-0.07
19/04/2021	Passed	-0.08
20/04/2021	Passed	-0.07
21/04/2021	Passed	-0.07
22/04/2021	Passed	-0.04
23/04/2021	Passed	-0.05
24/04/2021	Passed	-0.04
25/04/2021	Passed	-0.07
26/04/2021	Passed	-0.06
27/04/2021	Passed	-0.07
28/04/2021	Passed	-0.06
29/04/2021	Passed	-0.05
30/04/2021	Passed	-0.05

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.