

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

Month: April 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)
06/04/2020	268.994	4	3.15	14.33
12/04/2020	268.547	4	3.05	13.89
18/04/2020	267.890	4	3.03	13.38
24/04/2020	267.588	4	3.10	14.13
30/04/2020	266.866	4	3.01	13.72

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)
06/04/2020	256.219	4	3.15	14.34
12/04/2020	256.491	4	3.07	13.93
18/04/2020	255.893	4	3.01	13.69
24/04/2020	255.580	4	3.09	14.06
30/04/2020	254.867	4	3.02	13.77

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)
06/04/2020	255.573	4	3.00	13.67
12/04/2020	255.204	4	3.00	13.67
18/04/2020	254.690	4	3.00	13.30
24/04/2020	256.134	4	3.00	13.67
30/04/2020	255.525	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
15/04/2020 / 10:15	WM TAM

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ71
New filter paper no.	MQ72

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: 4.99  
After: 5.02

- 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
22/04/2020 / 14:00	TL Chu

Equipment	Serial No.
B&K 2250	3008903

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: 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)
01/04/2020	Passed	0.01
02/04/2020	Passed	0.05
03/04/2020	Passed	0.07
04/04/2020	Passed	0.07
05/04/2020	Passed	0.03
06/04/2020	Passed	0.02
07/04/2020	Passed	0.04
08/04/2020	Passed	0.30
09/04/2020	Passed	0.32
10/04/2020	Passed	0.35
11/04/2020	Passed	0.09
12/04/2020	Passed	0.28
13/04/2020	Passed	0.27
14/04/2020	Passed	0.31
15/04/2020	Passed	0.31
16/04/2020	Passed	0.13
17/04/2020	Passed	0.32
18/04/2020	Passed	0.10
19/04/2020	Passed	0.09
20/04/2020	Passed	0.10
21/04/2020	Passed	0.11
22/04/2020	Passed	0.02
23/04/2020	Passed	0.06
24/04/2020	Passed	0.05
25/04/2020	Passed	0.08
26/04/2020	Passed	0.26
27/04/2020	Passed	0.28
28/04/2020	Passed	0.27
29/04/2020	Passed	0.27
30/04/2020	Passed	0.31

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  $\pm 0.5$  dB.