

The Hongkong Electric Co., Ltd.
Lamma Power Station Extension
Noise Monitoring Stations
Daily Calibration Records

Date	Location: Ash Lagoon		Location: Ching Lam	
	Calibration Results	Deviation from Reference (dB)	Calibration Results	Deviation from Reference (dB)
01/01/2020	Passed	0.09	Passed	-0.11
02/01/2020	Passed	0.26	Passed	-0.07
03/01/2020	Passed	0.21	Passed	-0.10
04/01/2020	Passed	0.09	Passed	-0.08
05/01/2020	Passed	0.18	Passed	-0.08
06/01/2020	Passed	0.20	Passed	-0.08
07/01/2020	Passed	0.21	Passed	-0.08
08/01/2020	Passed	0.20	Passed	-0.06
09/01/2020	Passed	0.19	Passed	-0.08
10/01/2020	Passed	0.15	Passed	-0.11
11/01/2020	Passed	0.04	Passed	-0.09
12/01/2020	Passed	0.13	Passed	-0.10
13/01/2020	Passed	0.15	Passed	-0.10
14/01/2020	Passed	0.17	Passed	-0.10
15/01/2020	Passed	0.20	Passed	-0.10
16/01/2020	Passed	0.04	Passed	-0.09
17/01/2020	Passed	0.15	Passed	-0.04
18/01/2020	Passed	0.15	Passed	-0.07
19/01/2020	Passed	0.10	Passed	-0.09
20/01/2020	Passed	0.13	Passed	-0.07
21/01/2020	Passed	0.11	Passed	-0.07
22/01/2020	Passed	0.13	Passed	-0.03
23/01/2020	Passed	0.08	Passed	-0.02
24/01/2020	Passed	0.06	Passed	-0.03
25/01/2020	Passed	0.03	Passed	-0.06
26/01/2020	Passed	0.03	Passed	-0.11
27/01/2020	Passed	0.25	Passed	-0.13
28/01/2020	Passed	0.26	Passed	-0.11
29/01/2020	Passed	0.26	Passed	-0.09
30/01/2020	Passed	0.28	Passed	-0.06
31/01/2020	Passed	0.26	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.

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

Month: January 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)
01/01/2020	267.165	4	3.03	13.79
07/01/2020	269.300	4	2.95	13.42
13/01/2020	268.701	4	2.98	13.58
19/01/2020	268.147	4	3.01	13.70
25/01/2020	267.679	4	2.97	13.52

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)
01/01/2020	256.267	4	3.10	14.12
07/01/2020	255.836	4	3.02	13.75
13/01/2020	256.597	4	3.09	14.09
19/01/2020	256.067	4	3.10	14.14
25/01/2020	255.638	4	3.07	13.97

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)
01/01/2020	255.600	4	3.00	13.67
07/01/2020	255.200	4	3.00	13.67
13/01/2020	254.695	4	3.00	13.67
19/01/2020	254.235	4	3.00	13.67
25/01/2020	255.974	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
20/01/2020 / 10:30	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ57
New filter paper no.	MQ58

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: Yes
6. Replace Inlet Filter: Yes

Remarks

N/A

Conducted by: WM Tam

Checked by: SM Hon

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