

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

Month: May 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)
06/05/2020	266.444	4	2.97	13.55
12/05/2020	266.088	4	2.96	13.49
18/05/2020	269.139	4	3.00	13.66
24/05/2020	268.767	4	2.98	13.61
30/05/2020	268.413	4	3.03	13.81

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)
06/05/2020	254.399	4	3.00	13.64
12/05/2020	254.502	4	3.00	13.66
18/05/2020	256.702	4	3.05	13.89
24/05/2020	256.535	4	3.04	13.85
30/05/2020	256.788	4	3.05	13.89

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)
06/05/2020	255.252	4	3.00	13.67
12/05/2020	255.051	4	3.00	13.67
18/05/2020	254.751	4	3.00	13.67
24/05/2020	254.538	4	3.00	13.67
30/05/2020	256.070	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
13/05/2020 / 14:45	WM Tam / TK Ku

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MQ76
New filter paper no.	MQ77

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: 5.10
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 / TK Ku

Checked by: SM Hon

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)
01/05/2020	Passed	0.11	Passed	-0.01
02/05/2020	Passed	0.10	Passed	-0.03
03/05/2020	Passed	0.11	Passed	-0.02
04/05/2020	Passed	0.10	Passed	-0.01
05/05/2020	Passed	0.13	Passed	0.00
06/05/2020	Passed	0.13	Passed	0.00
07/05/2020	Passed	0.14	Passed	0.02
08/05/2020	Passed	0.12	Passed	-0.03
09/05/2020	Passed	0.12	Passed	-0.03
10/05/2020	Passed	0.13	Passed	0.01
11/05/2020	Passed	0.13	Passed	-0.02
12/05/2020	Passed	0.13	Passed	0.01
13/05/2020	Passed	0.13	Passed	-0.03
14/05/2020	Passed	0.14	Passed	0.00
15/05/2020	Passed	0.14	Passed	0.00
16/05/2020	Passed	0.13	Passed	0.00
17/05/2020	Passed	0.09	Passed	-0.02
18/05/2020	Passed	0.15	Passed	0.00
19/05/2020	Passed	0.15	Passed	-0.02
20/05/2020	Passed	0.10	Passed	0.01
21/05/2020	Passed	0.12	Passed	0.00
22/05/2020	Passed	0.13	Passed	-0.04
23/05/2020	Passed	0.14	Passed	-0.02
24/05/2020	Passed	0.08	Passed	-0.01
25/05/2020	Passed	0.11	Passed	-0.01
26/05/2020	Passed	0.14	Passed	-0.02
27/05/2020	Passed	0.12	Passed	-0.01
28/05/2020	Passed	0.15	Passed	0.01
29/05/2020	Passed	0.08	Passed	-0.03
30/05/2020	Passed	0.12	Passed	-0.01
31/05/2020	Passed	0.14	Passed	0.01

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.