

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

Month: November 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)
02/11/2020	269.510	4	2.95	13.42
08/11/2020	268.605	4	2.98	13.33
14/11/2020	269.091	4	3.00	13.34
20/11/2020	268.682	4	2.93	13.24
26/11/2020	268.233	4	2.96	13.37

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)
02/11/2020	251.391	4	2.95	13.46
08/11/2020	250.462	4	3.01	13.66
14/11/2020	249.517	4	3.11	13.76
20/11/2020	251.251	4	2.96	13.48
26/11/2020	250.773	4	2.99	13.64

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)
02/11/2020	255.441	4	3.00	13.67
08/11/2020	254.662	4	3.00	13.67
14/11/2020	253.936	4	3.00	13.67
20/11/2020	253.631	4	3.00	13.67
26/11/2020	255.976	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
16/11/2020 / 14:15	WM Tam

Equipment / Item

Equipment / Item	Serial No. / No.
MINIVOL	5580
Used filter paper no.	MR07
New filter paper no.	MR08

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: 5.085
After: 5.035

- 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
Daily Calibration Records

Date	Location: Ash Lagoon		Location: Ching Lam	
	Calibration Results	Deviation from Reference (dB)	Calibration Results	Deviation from Reference (dB)
01/11/2020	Passed	-0.05	Passed	0.11
02/11/2020	Passed	-0.06	Passed	0.13
03/11/2020	Passed	-0.06	Passed	0.09
04/11/2020	Passed	-0.08	Passed	0.09
05/11/2020	Passed	-0.06	Passed	0.11
06/11/2020	Passed	-0.06	Passed	0.13
07/11/2020	Passed	-0.05	Passed	0.12
08/11/2020	Passed	-0.07	Passed	0.10
09/11/2020	Passed	-0.07	Passed	0.08
10/11/2020	Passed	-0.08	Passed	0.09
11/11/2020	Passed	-0.07	Passed	0.09
12/11/2020	Passed	-0.09	Passed	0.10
13/11/2020	Passed	-0.08	Passed	0.08
14/11/2020	Passed	-0.08	Passed	0.10
15/11/2020	Passed	-0.07	Passed	0.12
16/11/2020	Passed	-0.07	Passed	0.11
17/11/2020	Passed	-0.08	Passed	0.12
18/11/2020	Passed	-0.06	Passed	0.12
19/11/2020	Passed	-0.06	Passed	0.13
20/11/2020	Passed	-0.06	Passed	0.13
21/11/2020	Passed	-0.06	Passed	0.13
22/11/2020	Passed	-0.07	Passed	0.13
23/11/2020	Passed	-0.06	Passed	0.10
24/11/2020	Passed	-0.06	Passed	0.10
25/11/2020	Passed	-0.08	Passed	0.12
26/11/2020	Passed	-0.08	Passed	0.10
27/11/2020	Passed	-0.10	Passed	0.08
28/11/2020	Passed	-0.10	Passed	0.09
29/11/2020	Passed	-0.08	Passed	0.08
30/11/2020	Passed	-0.09	Passed	0.08

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.