

**THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION EXTENSION
TEOM CONTINUOUS DUST MONITOR
DATA QUALITY ASSURANCE LOG SHEET**

Month: February

Year: 2016

Reservoir (AM1)				
Date	Frequency (Hz) (240 – 270)	Operation Mode (Mode 4)	Main Flow (l/min) (2.70 – 3.30)	Bypass Flow (l/min) (12.30 – 15.04)
3/2/2016	258.746	4	3.16	14.42
9/2/2016	258.124	4	3.07	14.00
15/2/2016	257.677	4	3.17	14.55
21/2/2016	257.100	4	3.16	14.40
27/2/2016	260.483	4	3.12	14.21

East Gate (AM2)				
Date	Frequency (Hz) (240 – 270)	Operation Mode (Mode 4)	Main Flow (l/min) (2.70 – 3.30)	Bypass Flow (l/min) (12.30 – 15.04)
3/2/2016	256.386	4	3.15	14.38
9/2/2016	255.660	4	3.06	14.03
15/2/2016	255.176	4	3.19	14.51
21/2/2016	254.517	4	3.15	14.37
27/2/2016	257.385	4	3.13	14.25

Ash Lagoon (AM3)				
Date	Frequency (Hz) (240 – 270)	Operation Mode (Mode 4)	Main Flow (l/min) (0.90 – 1.10)	Bypass Flow (l/min) (14.10 – 17.20)
3/2/2016	264.150	4	1.00	15.70
9/2/2016	263.922	4	1.00	15.70
15/2/2016	263.758	4	1.00	15.71
21/2/2016	263.522	4	1.00	15.71
27/2/2016	263.267	4	1.00	15.71

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 : Alex

Checked by : [Signature]

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: R.E. Site No.: AMI
 Date of visit: 16-2-2016 Hour of Visit: 11:00 a.m.
 Staff name: H.K.ISANG/H.F.Lo HVAS S/N: 0131
 Used filter paper no.: MG54 New filter paper no.: MG56
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a =$ 291.4 K Pressure, $P_a =$ 1019.5 mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40$ ft ³ /min. (inch H ₂ O)
1535(10/2015)	$-H_a = 17.93(T_a/P_a) =$ <u>5.1</u>

Manometer reading before calibration: 4.0
 Adjustment of flow controller (Y/N): Y
 Manometer reading after calibration: 5.1

Note: Tolerance Limit of HVAS flow: " 1.0 ft³/min. Corresponding limits for manometer: " 0.2 inch H₂O

III. General Conditions of HVAS

New blower was replaced on 16-2-2016

IV. Remarks

Conducted by: Kf / H.F.Lo Checked by: [Signature]

HIGH VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: E.G. Site No.: AM2
 Date of visit: 16-2-2016 Hour of Visit: 14:00 p.m.
 Staff name: H.K. TSANG/H.F. Lo HVAS S/N: 0132
 Used filter paper no.: M655 New filter paper no.: M657
 Type of filter: Glass-fibre

I. Ambient Conditions

Temperature, $T_a =$ 288.3 K Pressure, $P_a =$ 1021.9 mb

II. Correction of manometer reading

Calibration orifice No.	Manometer reading at site conditions corresponds to $Q_{STD} = 40 \text{ ft}^3/\text{min}$. (inch H ₂ O)
1535(10/2015)	$-H_a = 17.93(T_a/P_a) =$ <u>5.1</u>

Manometer reading before calibration: 5.3
 Adjustment of flow controller (Y/N): N
 Manometer reading after calibration: 5.3

Note: Tolerance Limit of HVAS flow: " 1.0 ft³/min. Corresponding limits for manometer : " 0.2 inch H₂O

III. General Conditions of HVAS

IV. Remarks

Conducted by: K / H.F. Lo Checked by: [Signature]

MINI VOLUME AIR SAMPLER
SITE VISIT LOG SHEET

Site Name: TYV Site No.: AM4
Date of visit: 16-2-16 Hour of Visit: 12:00
Staff name: H.K. BAWA / H.F. LO MINIVOL S/N: 3393
Used filter paper no.: M015 New filter paper no.: M016

Type of filter: Cellulose / Glass-fibre
(Delete as appropriate)

- I. Calibration is performed by using Drycal DC-2 Flow Calibrator
5 Sl/min set point is recommended

5.00 Before 5.00 After

II. General Service of Mini Vol Air Sampler

1. Clean Rotameter: ✓
2. Clean / ~~replace~~ Pump Valves: ✓
3. Clean / ~~replace~~ Pump Diaphragms: ✓
4. Clean Impaction Inlet: ✓
5. Replace Timer Battery Every 6 months: ✓
6. Replace Inlet Filter: ✓

III. Remarks

Conducted by: Kg / H.F. LO

Checked by: [Signature]

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION AND LAMMA EXTENSION
NOISE MONITORING STATIONS
SITE VISIT LOG SHEET

Location Station Building Rooftop/Reservoir Area/Ching Lam/

Ash Lagoon/No.2 Limestone Silo Roof/Hung Shing Ye*

Date 2-2-2016 Time 16:00

Equipment RZON-NA27 Serial No. 00111465

Staff Attended W.H.MAN / H.F.L.

1. Calibration

Acoustic calibrator B&K 4231, SN: 2343406

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

2. Weather Conditions

a. Sunny/fine/cloudy/showery/heavy rain*

b. Strong wind/breeze/calm*

3. Remark/Observation

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Note: * - Please delete where inappropriate.

Conducted By: W.H.MAN / H.F.L. Checked By: Terence Chen

THE HONGKONG ELECTRIC CO., LTD.
LAMMA POWER STATION AND LAMMA EXTENSION
NOISE MONITORING STATIONS
SITE VISIT LOG SHEET

Location ~~Station Building Rooftop/Reservoir Area/Ching Lam/~~
~~Ash Lagoon/No.2 Limestone Silo Roof/Hung Shing Ye*~~

Date 28-2-16. Time 14:45.

Equipment B&K 2250 Serial No. 3008621

Staff Attended H.K. ISANG, H.F.L.O.

1. Calibration

Acoustic calibrator B&K 4231; S/N: 2343406

Noise level measured in calibration P3.P (94±1.0 dBA)

2. Weather Conditions

a. ~~Sunny/fine/cloudy/showery/heavy rain*~~

b. ~~Strong wind/breeze/calm*~~

3. Remark/Observation

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Note: * - Please delete where inappropriate.

Conducted By: Kg / H.F.L.O Checked By: Terence Chen

28/12/2007