

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

Month: April

Year: 2022

| 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) |
| 01/04/2022 | 269.263 | 4 | 3.05 | 10.31 |
| 07/04/2022 | 268.676 | 4 | 2.98 | 10.31 |
| 13/04/2022 | 268.118 | 4 | 2.94 | 10.31 |
| 19/04/2022 | 270.573 | 4 | 3.03 | 10.31 |
| 25/04/2022 | 270.225 | 4 | 2.90 | 10.31 |

| 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) |
| 01/04/2022 | 252.100 | 4 | 2.39 | 14.14 |
| 07/04/2022 | 253.286 | 4 | 3.05 | 13.86 |
| 13/04/2022 | 252.685 | 4 | 2.72 | 13.58 |
| 19/04/2022 | 251.854 | 4 | 2.72 | 14.12 |
| 25/04/2022 | 251.450 | 4 | 2.56 | 13.70 |

| 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) |
| 01/04/2022 | 257.940 | 4 | 3.00 | 13.68 |
| 07/04/2022 | 257.472 | 4 | 3.00 | 13.68 |
| 13/04/2022 | 257.994 | 4 | 3.00 | 13.67 |
| 19/04/2022 | 257.514 | 4 | 3.00 | 13.68 |
| 25/04/2022 | 257.250 | 4 | 3.00 | 13.68 |

| 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 |
|--------------------|------------|
| 14/04/2022 / 10:30 | WM Tam |

Equipment / Item

| Equipment / Item | Serial No. / No. |
|-----------------------|------------------|
| MINIVOL | 5580 |
| Used filter paper no. | MR94 |
| New filter paper no. | MR95 |

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: 5.072
After: 5.037

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) |
| 01/04/2022 | Passed | -0.18 | Passed | -0.23 |
| 02/04/2022 | Passed | -0.15 | Passed | -0.15 |
| 03/04/2022 | Passed | -0.16 | Passed | -0.13 |
| 04/04/2022 | Passed | -0.13 | Passed | -0.13 |
| 05/04/2022 | Passed | -0.12 | Passed | -0.11 |
| 06/04/2022 | Passed | -0.12 | Passed | -0.12 |
| 07/04/2022 | Passed | -0.12 | Passed | -0.09 |
| 08/04/2022 | Passed | -0.12 | Passed | -0.12 |
| 09/04/2022 | Passed | -0.11 | Passed | -0.10 |
| 10/04/2022 | Passed | -0.10 | Passed | -0.08 |
| 11/04/2022 | Passed | -0.09 | Passed | -0.11 |
| 12/04/2022 | Passed | -0.09 | Passed | -0.09 |
| 13/04/2022 | Passed | -0.09 | Passed | -0.09 |
| 14/04/2022 | Passed | -0.09 | Passed | -0.06 |
| 15/04/2022 | Passed | -0.08 | Passed | -0.14 |
| 16/04/2022 | Passed | -0.12 | Passed | -0.15 |
| 17/04/2022 | Passed | -0.11 | Passed | -0.13 |
| 18/04/2022 | Passed | -0.13 | Passed | -0.14 |
| 19/04/2022 | Passed | -0.11 | Passed | -0.10 |
| 20/04/2022 | Passed | -0.09 | Passed | -0.10 |
| 21/04/2022 | Passed | -0.10 | Passed | -0.06 |
| 22/04/2022 | Passed | -0.07 | Passed | -0.09 |
| 23/04/2022 | Passed | -0.07 | Passed | -0.06 |
| 24/04/2022 | Passed | -0.07 | Passed | -0.08 |
| 25/04/2022 | Passed | -0.07 | Passed | -0.07 |
| 26/04/2022 | Passed | -0.06 | Passed | -0.08 |
| 27/04/2022 | Passed | -0.06 | Passed | -0.05 |
| 28/04/2022 | Passed | -0.07 | Passed | -0.08 |
| 29/04/2022 | Passed | -0.07 | Passed | -0.04 |
| 30/04/2022 | Passed | -0.13 | Passed | -0.18 |

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.