

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

Month: January

Year: 2025

| Reservoir (AM1) |                               |                            |                                    |                                        |
|-----------------|-------------------------------|----------------------------|------------------------------------|----------------------------------------|
| Date            | Frequency (Hz)<br>(240 - 275) | Operation Mode<br>(Mode 4) | Main Flow (l/min)<br>(2.70 - 3.30) | Bypass Flow (l/min)<br>(12.30 - 15.04) |
| 3/1/2025        | 258.798                       | 4                          | 2.77                               | 14.15                                  |
| 9/1/2025        | 260.977                       | 4                          | 3.13                               | 14.25                                  |
| 15/1/2025       | 260.455                       | 4                          | 3.11                               | 14.17                                  |
| 21/1/2025       | 259.564                       | 4                          | 2.50                               | 14.19                                  |
| 27/1/2025       | 259.150                       | 4                          | 2.31                               | 14.42                                  |

| East Gate (AM2) |                               |                            |                                    |                                        |
|-----------------|-------------------------------|----------------------------|------------------------------------|----------------------------------------|
| Date            | Frequency (Hz)<br>(240 - 275) | Operation Mode<br>(Mode 4) | Main Flow (l/min)<br>(2.70 - 3.30) | Bypass Flow (l/min)<br>(12.30 - 15.04) |
| 3/1/2025        | 263.780                       | 4                          | 3.00                               | 13.68                                  |
| 9/1/2025        | 267.784                       | 4                          | 3.00                               | 13.68                                  |
| 15/1/2025       | 264.052                       | 4                          | 3.00                               | 13.68                                  |
| 21/1/2025       | 263.224                       | 4                          | 3.00                               | 13.68                                  |
| 27/1/2025       | 264.708                       | 4                          | 3.00                               | 13.68                                  |

| Ash Lagoon (AM3) |                               |                            |                                    |                                        |
|------------------|-------------------------------|----------------------------|------------------------------------|----------------------------------------|
| Date             | Frequency (Hz)<br>(240 - 275) | Operation Mode<br>(Mode 4) | Main Flow (l/min)<br>(2.70 - 3.30) | Bypass Flow (l/min)<br>(12.30 - 15.04) |
| 3/1/2025         | 256.359                       | 4                          | 3.07                               | 14.01                                  |
| 9/1/2025         | 258.368                       | 4                          | 3.10                               | 14.11                                  |
| 15/1/2025        | 257.795                       | 4                          | 3.08                               | 14.04                                  |
| 21/1/2025        | 257.062                       | 4                          | 3.09                               | 14.06                                  |
| 27/1/2025        | 256.709                       | 4                          | 3.13                               | 14.27                                  |

| 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  |
|-------------------|-------------|
| 23/1/2025 / 15:45 | David Tsang |

Equipment / Item

| Equipment / Item      | Serial No. / No. |
|-----------------------|------------------|
| MINIVOL               | 3393             |
| Used Filter Paper No. | MT64             |
| New Filter Paper No.  | MT65             |

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: | <u>5.00</u>                 |
| After:  | <u>5.00 (No Adjustment)</u> |

- II. General Services

|                                          |            |
|------------------------------------------|------------|
| 1. Clean Rotameter:                      | <u>Yes</u> |
| 2. Clean / Replace Pump Valves:          | <u>No</u>  |
| 3. Clean / Replace Pump Diaphragms:      | <u>No</u>  |
| 4. Clean Impaction Inlet:                | <u>Yes</u> |
| 5. Replace Timer Battery Every 6 months: | <u>Yes</u> |
| 6. Replace Inlet Filter:                 | <u>Yes</u> |

- III. Remarks

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Conducted by: David Tsang Checked by: SM Hon