

Department of Agriculture, Rural Development, Land and Environmental Affairs

The Director: Pollution and Waste Management
Private Bag X11219
Nelspruit 1200

Date:
15th October 2018
Enquiries:

Attention:
Mr. M Mahlalela

Nkangala District Municipality
PO Box 437
Middelburg 1050

Attention:
Mr. V Mahlangu

MATLA POWER STATION AIR QUALITY REPORT FOR SEPTEMBER 2018

The figures reported in this report are preliminary, and are to be considered for information purposes only. Final annual figures are those reported within 60 days of the independent audit conducted at the end of the financial year (March).

1. PARTICULATE EMISSIONS: MONTHLY TONNAGES.

| | BLR | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 2017 | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| Monthly Tonnage | 1 | 71.68 | 108.77 | 90.10 | 46.69 | Off | Off | Off | Off | Off | Off | 95.56 | 41.79 |
| | 2 | 51.66 | 99.27 | 84.35 | 165.43 | 57.98 | 60.80 | 28.57 | 44.25 | 74.24 | 74.20 | 69.81 | 61.67 |
| | 3 | 47.64 | 97.34 | 82.94 | 172.35 | 55.05 | 62.50 | 29.56 | 35.97 | 86.14 | 79.36 | 173.07 | 71.28 |
| | 4 | 183.23 | 165.67 | 173.61 | 188.43 | 166.34 | 132.22 | 87.07 | 123.63 | 67.06 | 56.07 | 45.66 | 106.44 |
| | 5 | 147.51 | 74.42 | 49.59 | 82.97 | 68.06 | 97.63 | 61.14 | 83.25 | 90.26 | 45.00 | 73.61 | 43.41 |
| | 6 | Off | 5.37 | 22.74 | 53.43 | 62.15 | 50.91 | 52.66 | 44.17 | 47.93 | 46.24 | 74.64 | 15.76 |
| | Station | 501.73 | 550.84 | 503.33 | 709.30 | 409.57 | 404.02 | 258.99 | 331.28 | 365.62 | 300.89 | 532.34 | 340.36 |
| GWhSO | | 1580.5 | 1802.7 | 1998.5 | 1783.6 | 1562.9 | 1733.7 | 1594.2 | 1627.7 | 1491.5 | 1398.1 | 1368.0 | 1550.7 |

Generation Division (Operating Unit Coal 2)
Matla Power Station SA
Delmas Road
Private Bag X 5012, Kriel, 2271 SA
Tel +27 17 612 9111 Fax +27 17 612 6651 www.eskom.co.za

2. COAL AND LOAD FACTOR:

| STATION | | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Load Factor | | 80.55 | 83.88 | 85.33 | 82.96 | 88.34 | 86.45 | 78.39 | 89.58 | 76.24 | 72.31 | 71.04 | 78.96 |
| Ash Content | % | 24.34 | 24.11 | 29.57 | 27.15 | 23.3 | 26.41 | 25.3 | 27.70 | 27.92 | 27.6 | 30.93 | 31.33 |
| Sulphur Content | % | 1.00 | 1.0 | 1.0 | 1.0 | 0.95 | 0.90 | 0.99 | 1.2 | 1.00 | 1.00 | 1.00 | 1.00 |
| Total Moisture | % | 8.11 | 10.69 | 9.64 | 9.43 | 9.60 | 9.57 | 9.21 | 9.7 | 9.47 | 9.43 | 7.91 | 8.03 |

3. GASEOUS EMISSIONS:

CO₂ emissions: kilotons emitted per month, calculated from coal analysis and emission factors.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | | | | | | | | | | | | |
| Unit 4 | | | | | | | | | | | | |
| Unit 5 | | | | | | | | | | | | |
| Unit 6 | | | | | | | | | | | | |
| All Units | | | | | | | | | | | | |

SO₂ emissions: kilotons emitted per month, calculated from coal analysis and emission factors.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | 9.40 | 10.46 | 10.31 | 8.25 | 6.95 | 7.84 | 6.62 | 7.68 | 6.18 | 6.34 | 6.02 | 8.74 |
| Unit 4 | 3.62 | 3.38 | 3.71 | 2.89 | 2.85 | 3.16 | 3.29 | 3.94 | 3.18 | 3.22 | 2.07 | 2.81 |
| Unit 5 | 3.25 | 3.15 | 3.50 | 3.31 | 3.02 | 3.51 | 3.07 | 3.95 | 2.77 | 1.67 | 2.77 | 2.82 |
| Unit 6 | Off | 0.44 | 2.80 | 3.70 | 2.46 | 3.13 | 3.15 | 3.93 | 2.99 | 2.89 | 2.75 | 1.03 |
| All Units | 16.27 | 17.43 | 20.32 | 18.15 | 15.28 | 17.64 | 16.12 | 19.50 | 15.12 | 14.13 | 13.61 | 15.40 |

NO_x emissions: kilotons emitted per month, calculated from coal analysis and emission factors.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | 2.95 | 3.28 | 3.23 | 2.59 | 2.18 | 2.46 | 2.07 | 2.01 | 1.94 | 1.99 | 1.88 | 2.74 |
| Unit 4 | 1.13 | 1.06 | 1.16 | 0.91 | 0.89 | 0.99 | 1.03 | 1.03 | 1.00 | 1.01 | 0.65 | 0.88 |
| Unit 5 | 1.02 | 0.99 | 1.10 | 1.04 | 0.95 | 1.10 | 0.96 | 1.03 | 0.87 | 0.52 | 0.87 | 0.88 |
| Unit 6 | Off | 0.14 | 0.88 | 1.16 | 0.77 | 0.98 | 0.99 | 10.3 | 0.94 | 0.91 | 0.86 | 0.32 |
| All Units | 5.10 | 5.46 | 6.37 | 5.69 | 4.79 | 5.53 | 5.05 | 5.09 | 4.74 | 4.43 | 4.26 | 4.82 |

CO₂ emissions: kilotons emitted per month, measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | | | | | | | | | | | | |
| Unit 4 | | | | | | | | | | | | |
| Unit 5 | | | | | | | | | | | | |
| Unit 6 | | | | | | | | | | | | |
| All Units | | | | | | | | | | | | |

SO₂ emissions: kilotons emitted per month, measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | 7.59 | 12.65 | 9.94 | 7.15 | 5.55 | 8.31 | 6.73 | 6.64 | 6.72 | 6.43 | 6.26 | 8.84 |
| Unit 4 | 2.91 | 2.51 | 2.43 | 1.61 | 1.81 | 2.28 | 2.18 | 1.96 | 1.86 | 1.84 | 1.15 | 1.83 |
| Unit 5 | 2.84 | 3.05 | 2.89 | 2.54 | 2.57 | 2.74 | 2.61 | 2.58 | 2.12 | 1.13 | 2.26 | 2.58 |
| Unit 6 | Off | 0.14 | 1.06 | 1.44 | 1.03 | 1.22 | 2.73 | 2.65 | 2.40 | 2.38 | 2.18 | 0.80 |
| All Units | 13.35 | 18.36 | 16.33 | 12.74 | 10.96 | 14.55 | 14.26 | 13.83 | 13.10 | 11.79 | 11.85 | 14.06 |

NO_x emissions: kilotons emitted per month, measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only.

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | 3.48 | 5.98 | 5.03 | 3.26 | 2.98 | 3.78 | 2.82 | 2.47 | 2.61 | 2.48 | 2.27 | 3.48 |
| Unit 4 | 1.84 | 1.53 | 1.52 | 0.98 | 1.30 | 1.26 | 1.01 | 0.84 | 0.87 | 0.81 | 0.53 | 0.79 |
| Unit 5 | 1.35 | 1.41 | 1.35 | 1.43 | 1.32 | 1.28 | 1.06 | 1.02 | 0.90 | 0.37 | 0.70 | 0.91 |
| Unit 6 | Off | 0.07 | 0.54 | 0.79 | 0.55 | 0.63 | 1.25 | 1.10 | 1.19 | 1.11 | 0.89 | 0.33 |
| All Units | 6.66 | 8.99 | 8.44 | 6.46 | 6.15 | 6.95 | 6.15 | 5.43 | 5.57 | 4.77 | 4.40 | 5.52 |

CO₂ emissions (mg/Nm³): Average concentration per month (at 273 K, 101.3 kPa and 10% O₂), measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only

| | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Units 1-3 | | | | | | | | | | | | |
| Unit 4 | | | | | | | | | | | | |
| Unit 5 | | | | | | | | | | | | |
| Unit 6 | | | | | | | | | | | | |

SO₂ emissions (mg/Nm³): Average concentration per month (at 273 K, 101.3 kPa and 10% O₂), measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only

| Limit | OCT 2017 | NOV 2017 | DEC 2017 | JAN 2018 | FEB 2018 | MAR 2018 | APR 2018 | MAY 2018 | JUN 2018 | JUL 2018 | AUG 2018 | SEP 2018 |
|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 4000 | | | | | | | | | | | | |
| Units 1-3 | 1831 | 2390 | 2127 | 1883 | 1587 | 2246 | 2036 | 2153 | 2203 | 2116 | 2129 | 2096 |
| Unit 4 | 2023 | 1513 | 1447 | 1476 | 1350 | 1626 | 1628 | 1685 | 1590 | 1761 | 1614 | 1791 |
| Unit 5 | 1966 | 2046 | 1906 | 1751 | 1827 | 1856 | 1850 | 1797 | 1656 | 1533 | 1658 | 2033 |
| Unit 6 | Off | 1421 | 1385 | 1353 | 1406 | 1425 | 1540 | 1620 | 1529 | 1554 | 1572 | 1361 |

SO₂ daily average emissions: AEL limit exceedances

| Limit | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3500 | 2017 | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| Units 1-3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

NO_x emissions (mg/Nm³): Average concentration per month (at 273 K, 101.3 kPa and 10% O₂), measured with the continuous emission monitoring system. NOTE: These are unverified values for information purposes only

| Limit | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1700 | 2017 | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| Units 1-3 | 838 | 1128 | 1074 | 858 | 851 | 1017 | 852 | 797 | 853 | 806 | 770 | 823 |
| Unit 4 | 1269 | 914 | 894 | 896 | 970 | 872 | 752 | 713 | 735 | 773 | 745 | 772 |
| Unit 5 | 938 | 949 | 892 | 982 | 936 | 859 | 753 | 708 | 703 | 493 | 519 | 719 |
| Unit 6 | Off | 682 | 705 | 751 | 751 | 740 | 711 | 674 | 757 | 717 | 646 | 564 |

NO_x daily average emissions: AEL limit exceedances

| Limit | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1200 | 2017 | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| Units 1-3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unit 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

4. PARTICULATE EMISSION PERFORMANCE

| | MONTH AVERAGE EMISSIONS | AEL LIMIT(DAILY AVERAGE) | HIGHEST DAILY AVERAGE |
|---------------------|-------------------------|--------------------------|-----------------------|
| UNIT | mg/Nm ³ | mg/Nm ³ | mg/Nm ³ |
| 1, 2 & 3 | 40.60 | 200 | 68.24 |
| 4 | 105.68 | 200 | 305.80 |
| 5 | 32.88 | 100 | 56.80 |
| 6 | 26.97 | 100 | 58.70 |
| Station | 51.53 | | |
| YTD | 51.68 | | |

ABATEMENT APPARATUS AVAILABILITY

| Unit | | 1 | 2 | 3 | 4 | 5 | 6 | Station |
|-----------------------------------|---|-------|--------|-------|-------|-------|--------|---------|
| Precipitator efficiency | % | 99.89 | 99.85 | 99.83 | 99.68 | 99.88 | 99.98 | 99.85 |
| Precipitator availability | % | 96.53 | 100.00 | 99.43 | 96.79 | 99.80 | 100.00 | 98.51 |
| SO ₃ plant utilisation | % | 98.06 | 95.52 | 99.04 | 98.90 | 98.68 | 99.87 | 98.40 |

ATMOSPHERIC EMISSION LICENSE LIMIT EXCEEDED

| | AEL LIMIT EXCEEDED (TOTAL) | AEL LIMIT EXCEEDED (LIGHT-UP/SHUT DOWN) | AEL LIMIT EXCEEDED (UPSET CONDITIONS) | AEL LIMIT EXCEEDED (MAINTENANCE) | AEL LIMIT EXCEEDED (SECTION 30 / CONTRAVENTION) |
|----------|----------------------------|---|---------------------------------------|----------------------------------|---|
| UNIT | Days | Days | Days | Days | Days |
| 1, 2 & 3 | 0 | 0 | 0 | 0 | 0 |
| 4 | 2 | 0 | 2 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 |
| Station | 2 | 0 | 2 | 0 | 0 |
| YTD | 23 | 4 | 12 | 4 | 3 |

5. DISCUSSION

Unit 1:

The unit tripped on the 2nd September 2018 at 21:24 when the turbine differential expansion protection operated. The unit remained off load for repairs. The unit returned to service on the 4th September 2018 at 13:35.

The unit tripped on the 13th September 2018 at 00:59 when the generator exciter transformer failed. The unit returned to service on the 15th September 2018 at 16:27

The unit was taken off load on the 19th September 2018 at 21:31 for maintenance to repair the turbine condensate extraction pump. The unit returned to service on the 20th September 2018 at 19:39. The unit was shut down again for repairs to the condensate extraction pump on the 21st September 2018 at 01:22. The unit returned to service on the 21st September 2018 at 09:41.

The unit tripped on the 22nd September 2018 at 10:36 on turbine vacuum protection. The unit returned to service at 14:09 on the same day.

The unit experienced a few SO₃ flue gas conditioning plant failures during the month. These were of a short duration and the impact on the particulate emissions was limited.

Unit 2:

The unit tripped on the 24th September 2018 at 16:50 on boiler flame failure protection. The unit returned to service at 23:23 on the same day.

The unit was taken off load on the 27th September 2018 at 12:14 for boiler tube leak repairs.

The opportunity was utilised to carry out precipitator inspection and repairs.

The unit experienced a SO₃ flue gas conditioning plant failures during the month. These were of a short duration and the impact on the particulate emissions was limited.

Unit 3:

The unit experienced a substantial number of SO₃ flue gas conditioning plant failures during the month and as a result, higher than normal particulate emissions were recorded for the month.

Unit 4:

The unit was taken off load on the 30th August 2018 at 21:34 for boiler tube leak repairs. The unit returned to service on the 5th September 2018 at 01:28.

The unit experienced a large number of precipitator field trip due to full dust hoppers. The full hoppers were mainly as a result of extreme poor coal quality delivered to the station. In addition, the unit also experienced a fair number of SO₃ flue gas conditioning plant failures due to sulphur flow problems caused by contaminated sulphur delivered to the station. The combination of these resulted in elevated emissions for the month. As a result of the above mentioned failures the AEL limit was exceeded on the 10th and 12th September 2018.

Unit 5:

The unit tripped on the 5th September 2018 at 14:46 when a turbine control module failed. The unit returned to service on the 5th September 2018 at 22:32.

The unit experienced a limited number of precipitator field failures and SO₃ flue gas conditioning plant failures.

The particulate emissions recorded were well below the AEL limit for the month.

Unit 6:

The unit was taken off load on the 10th September 2018 at 21:34 for boiler tube leak repairs. Particulate emissions well below the AEL limit was recorded for the period that the unit was on load.

SO₃ common Plant:

The SO₃ common plant tripped on the 7th September when a tanker was off loaded. The sulphur delivered to the station is still contaminated and causes sulphur flow problems at the units.

Gas Emissions:

The south stack O₂ analyser reading remained high. The OEM established that the sensor is faulty. The procurement process to replace the sensor has commenced. The O₂ reading is thus calculated based on the O₂/CO₂ balance.

The availability of the CEMS was good for the month of September 2018.

The gas emissions measured by the CEMS was well below the AEL limit for the duration of the month.

General:

The coal quality supplied to the station remained poor during the month, impacting negatively on the particulate emissions.

The change in coal quality negatively impacted on the dust handling plant due to the change in dust particle size and density.

6. LIGHT UP:

| | | |
|------------------------------|-------|------------------|
| Unit: | 1 | |
| Fires in: | 08:00 | 4 September 2018 |
| Synchronisation: | 13:35 | 4 September 2018 |
| Emissions below Limit: | 16:19 | 4 September 2018 |
| Fires in to synchronisation: | 5:35 | Hours |
| Synchronisation to < Limit: | 2:44 | Hours |

| | | |
|------------------------------|-------|------------------|
| Unit: | 4 | |
| Fires in: | 18:25 | 4 September 2018 |
| Synchronisation: | 01:28 | 5 September 2018 |
| Emissions below Limit: | 04:48 | 5 September 2018 |
| Fires in to synchronisation: | 7:03 | Hours |
| Synchronisation to < Limit: | 3:20 | Hours |

| | | |
|------------------------------|-------|------------------|
| Unit: | 5 | |
| Fires in: | 15:30 | 5 September 2018 |
| Synchronisation: | 22:56 | 5 September 2018 |
| Emissions below Limit: | 01:56 | 6 September 2018 |
| Fires in to synchronisation: | 7:26 | Hours |
| Synchronisation to < Limit: | 3:06 | Hours |

| | | |
|------------------------------|-------|-------------------|
| Unit: | 1 | |
| Fires in: | 07:20 | 15 September 2018 |
| Synchronisation: | 16:27 | 15 September 2018 |
| Emissions below Limit: | 19:44 | 15 September 2018 |
| Fires in to synchronisation: | 9:07 | Hours |
| Synchronisation to < Limit: | 3:17 | Hours |

| | | |
|------------------------------|-------|-------------------|
| Unit: | 1 | |
| Fires in: | 14:37 | 20 September 2018 |
| Synchronisation: | 19:39 | 20 September 2018 |
| Emissions below Limit: | 21:36 | 20 September 2018 |
| Fires in to synchronisation: | 5:02 | Hours |
| Synchronisation to < Limit: | 1:57 | Hours |

| | | |
|------------------------------|-------|-------------------|
| Unit: | 1 | |
| Fires in: | 05:45 | 21 September 2018 |
| Synchronisation: | 09:41 | 21 September 2018 |
| Emissions below Limit: | 12:11 | 21 September 2018 |
| Fires in to synchronisation: | 3:56 | Hours |
| Synchronisation to < Limit: | 2:30 | Hours |

| | | |
|------------------------------|-------|---|
| Unit: | 1 | |
| Fires in: | 10:36 | 22 September 2018 |
| Synchronisation: | 14:09 | 22 September 2018 |
| Emissions below Limit: | 14:09 | 22 September 2018 |
| Fires in to synchronisation: | 3:33 | Hours |
| Synchronisation to < Limit: | 0 | Hours (OPS failed to SD ESP after trip) |

| | | |
|------------------------------|-------|-------------------|
| Unit: | 2 | |
| Fires in: | 19:52 | 24 September 2018 |
| Synchronisation: | 23:23 | 24 September 2018 |
| Emissions below Limit: | 11:28 | 25 September 2018 |
| Fires in to synchronisation: | 3:31 | Hours |
| Synchronisation to < Limit: | 12:05 | Hours |

7. GRAPHS:

See attached graphs

8. COMPLAINTS

| Name of complainant | Date | Description of complaint | Action taken |
|---------------------|------|--------------------------|--------------|
| No Complaints | | | |
| | | | |
| | | | |
| | | | |

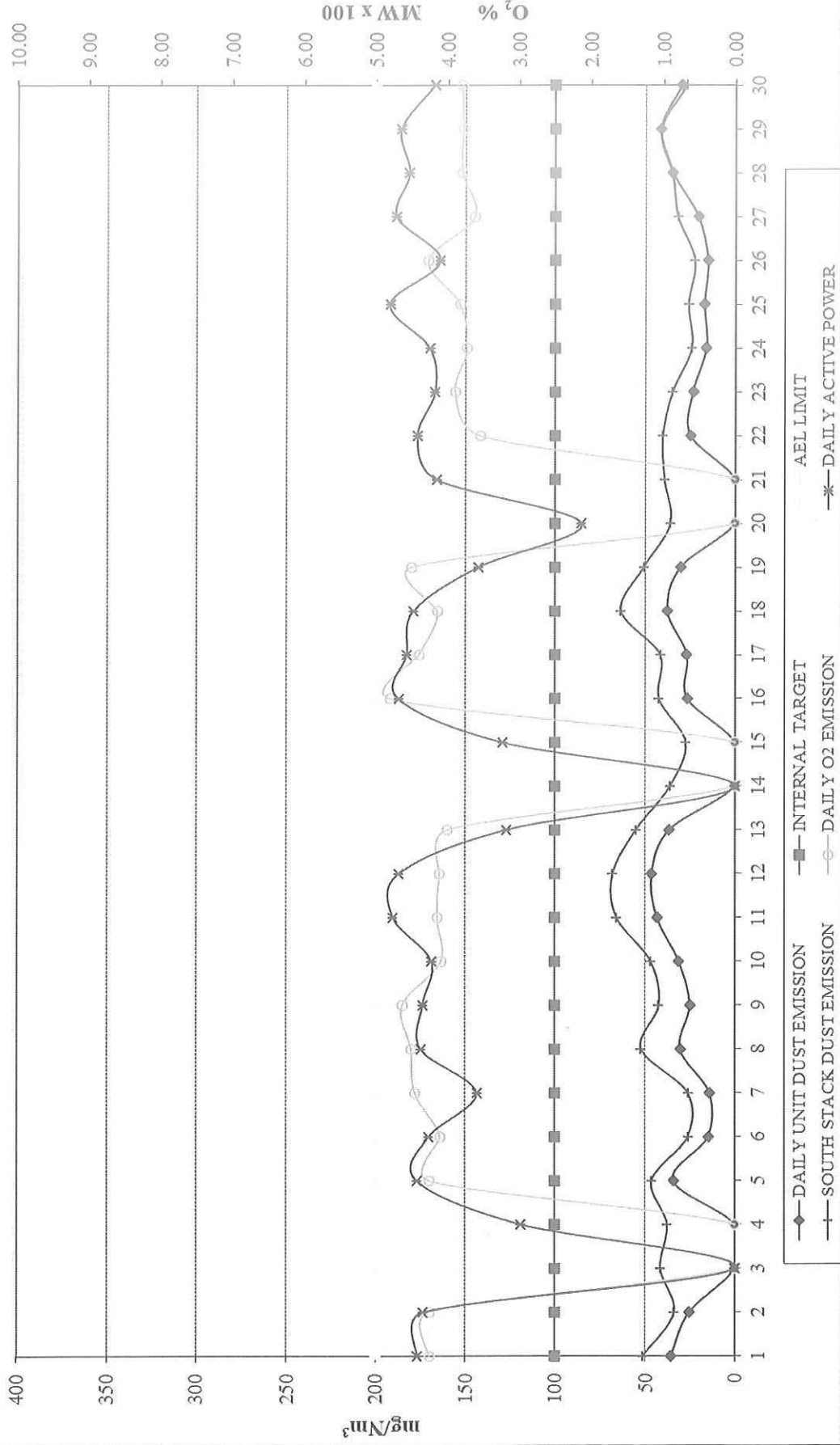
9. NOTIFICATION OF CONTRAVENTION OF EMISSION LICENCE CONDITIONS

| | |
|--|---|
| <i>Date</i> | |
| <i>Power Station Unit(s)</i> | Matla Power Station – |
| <i>Date of incident</i> <i>Time of incident</i> | Start date and time: End date: |
| <i>Nature of incident</i> | Extended start-up <input type="checkbox"/> On-line maintenance <input type="checkbox"/> Extended shut-down <input type="checkbox"/> |
| <i>Emission limit exceedance</i> | |
| <i>Details of incident</i> | |
| <i>Risks posed by the incident to public health, safety and property</i> | |
| <i>Toxicity of substance or by-products released by the incident</i> | |
| <i>Mitigation to avoid or minimize the incident effects on public health and the environment</i> | |
| <i>Compiler and contact details</i> | Name: Tel no: Email: |
| <i>Responsible manager and contact details</i> | Name: Tel no: Email: |

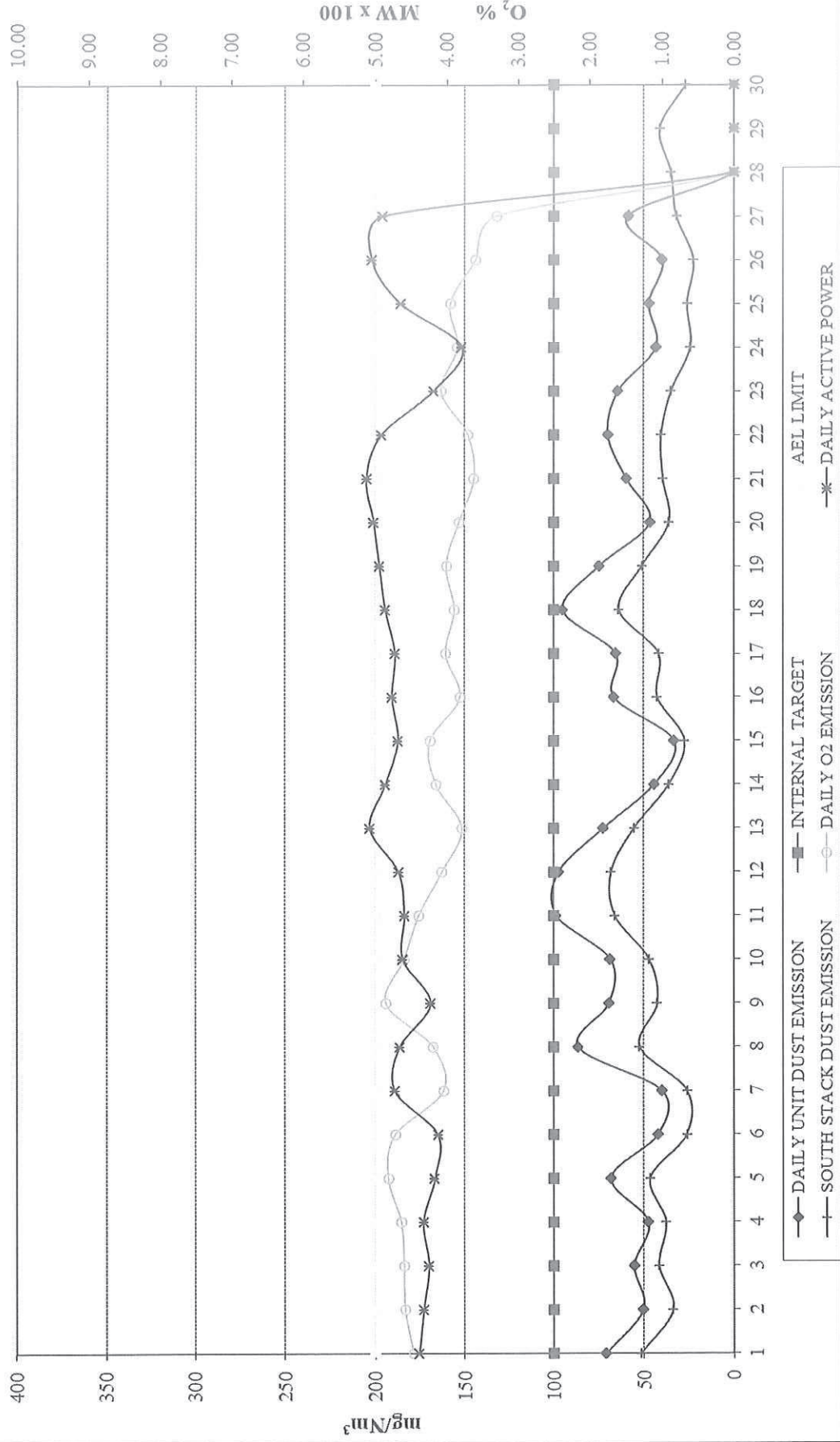
BOILER PLANT ENGINEERING

Copies to: Licensing Authority
 Power Station Manager (Acting)
 Environmental Practitione
 Engineering Manager
 Boiler Plant Engineering Manager
 Maintenance Manager (Acting)
 Unit Electrical Maintenance Manager
 Operating Manager
 Production Manager
 Outside Plant Maintenance Manager
 Coal Manager
 Megawatt Park, Corporate Consultant Air Pollution
 Plant Performance Units 1 to 6

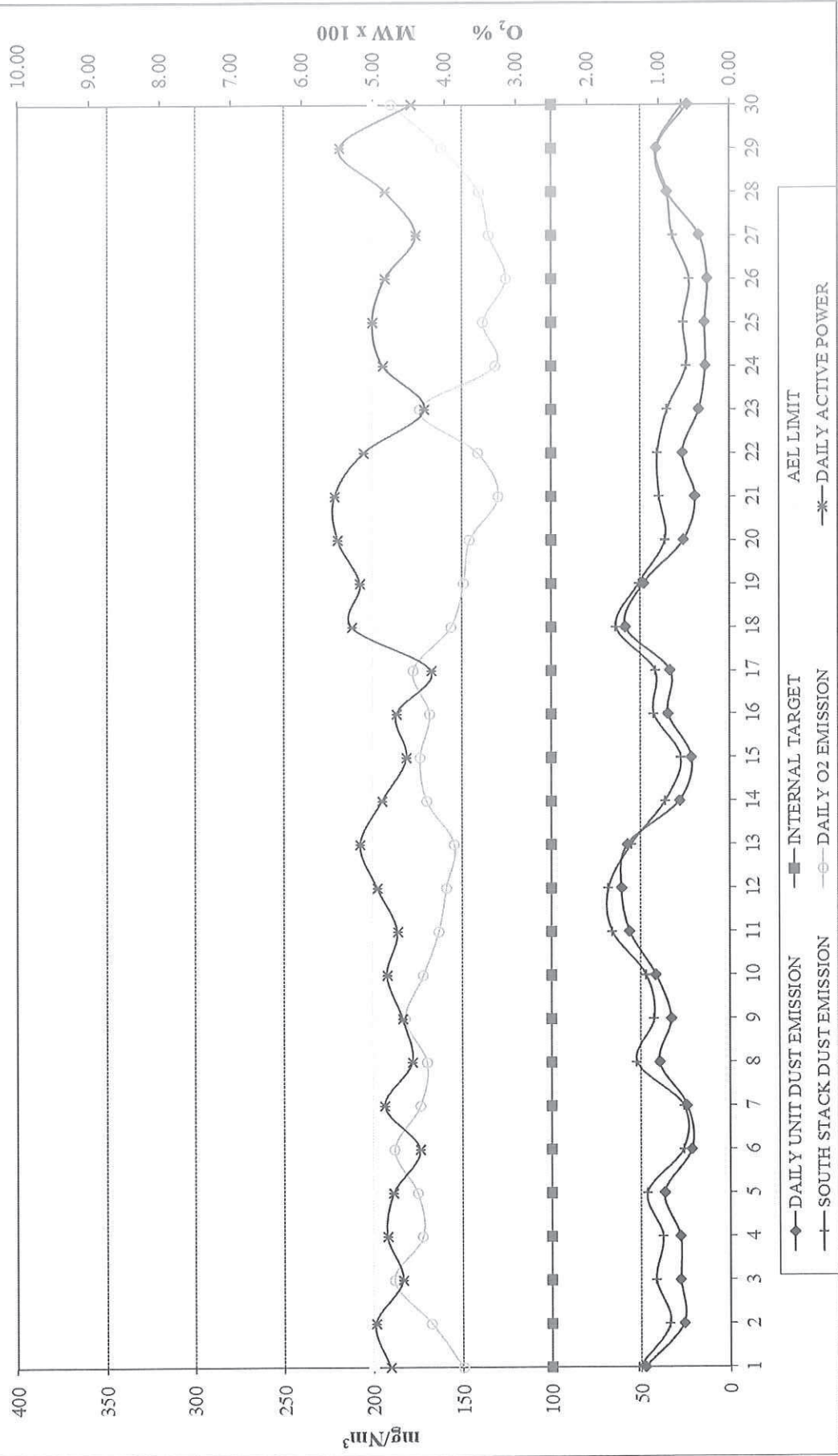
**MATLA POWER STATION
UNIT 1 DUST EMISSION REPORT
SEPTEMBER 2018**



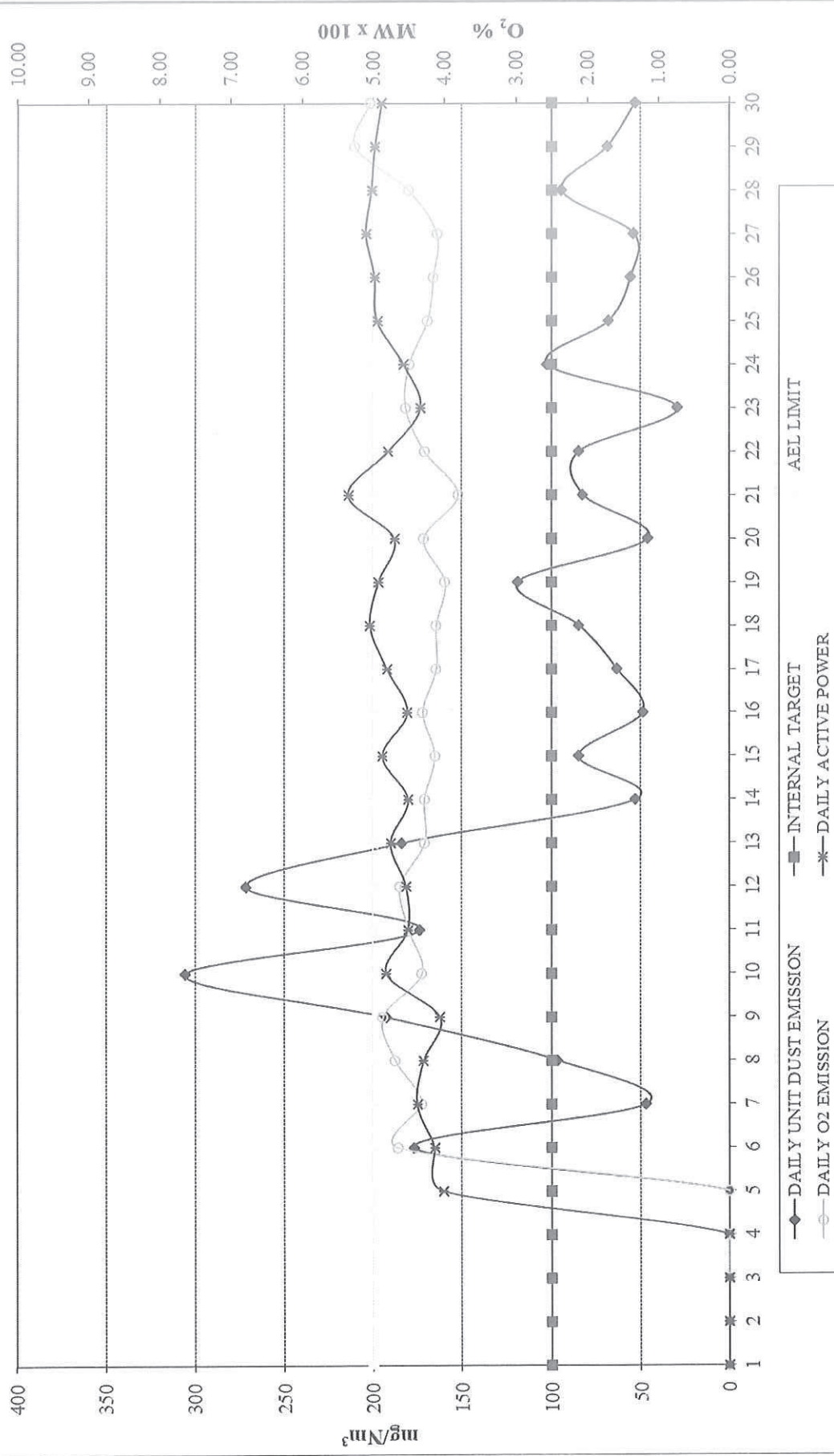
**MATLA POWER STATION
UNIT 2 DUST EMISSION REPORT
SEPTEMBER 2018**



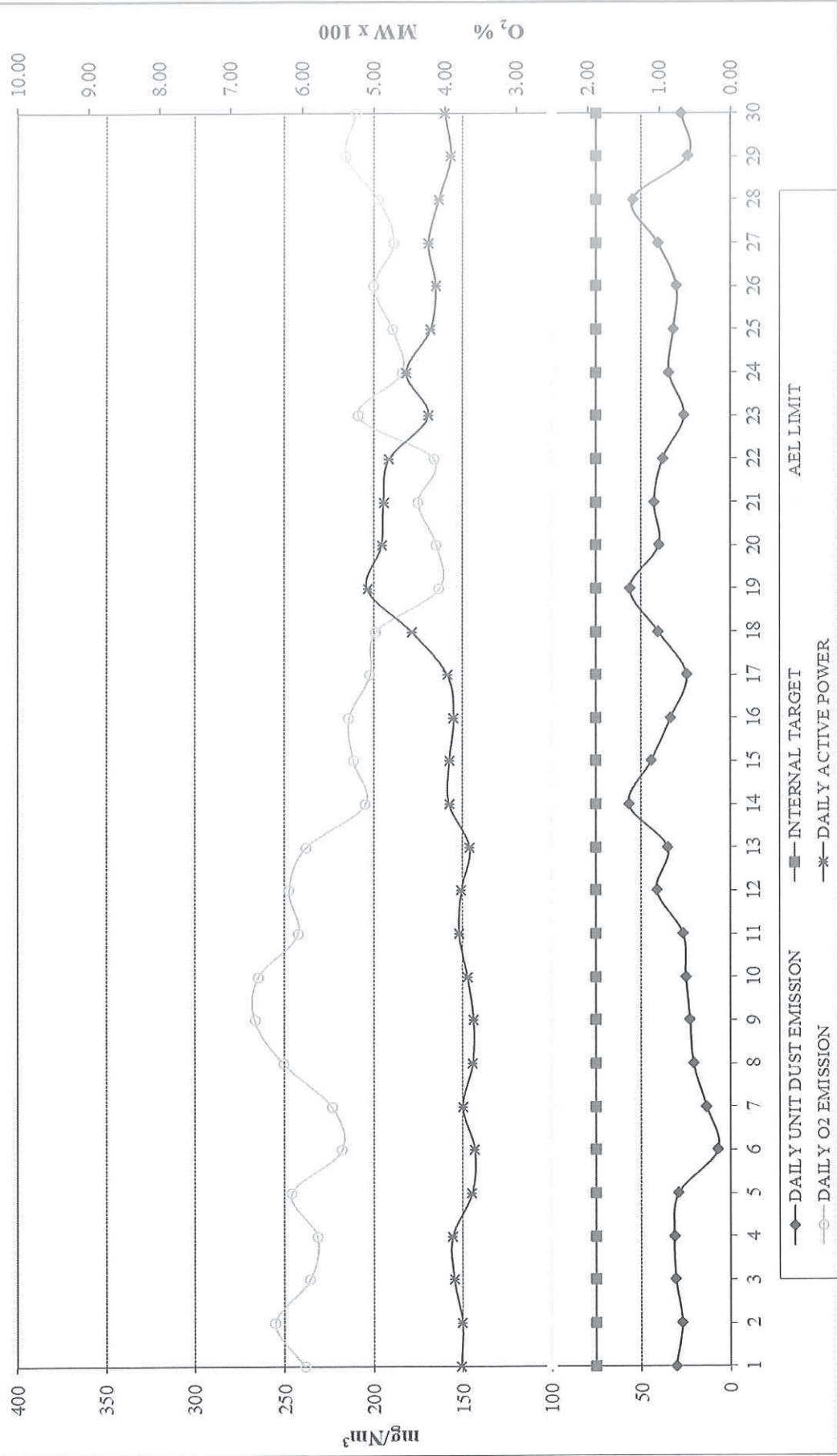
**MATLA POWER STATION
UNIT 3 DUST EMISSION REPORT
SEPTEMBER 2018**



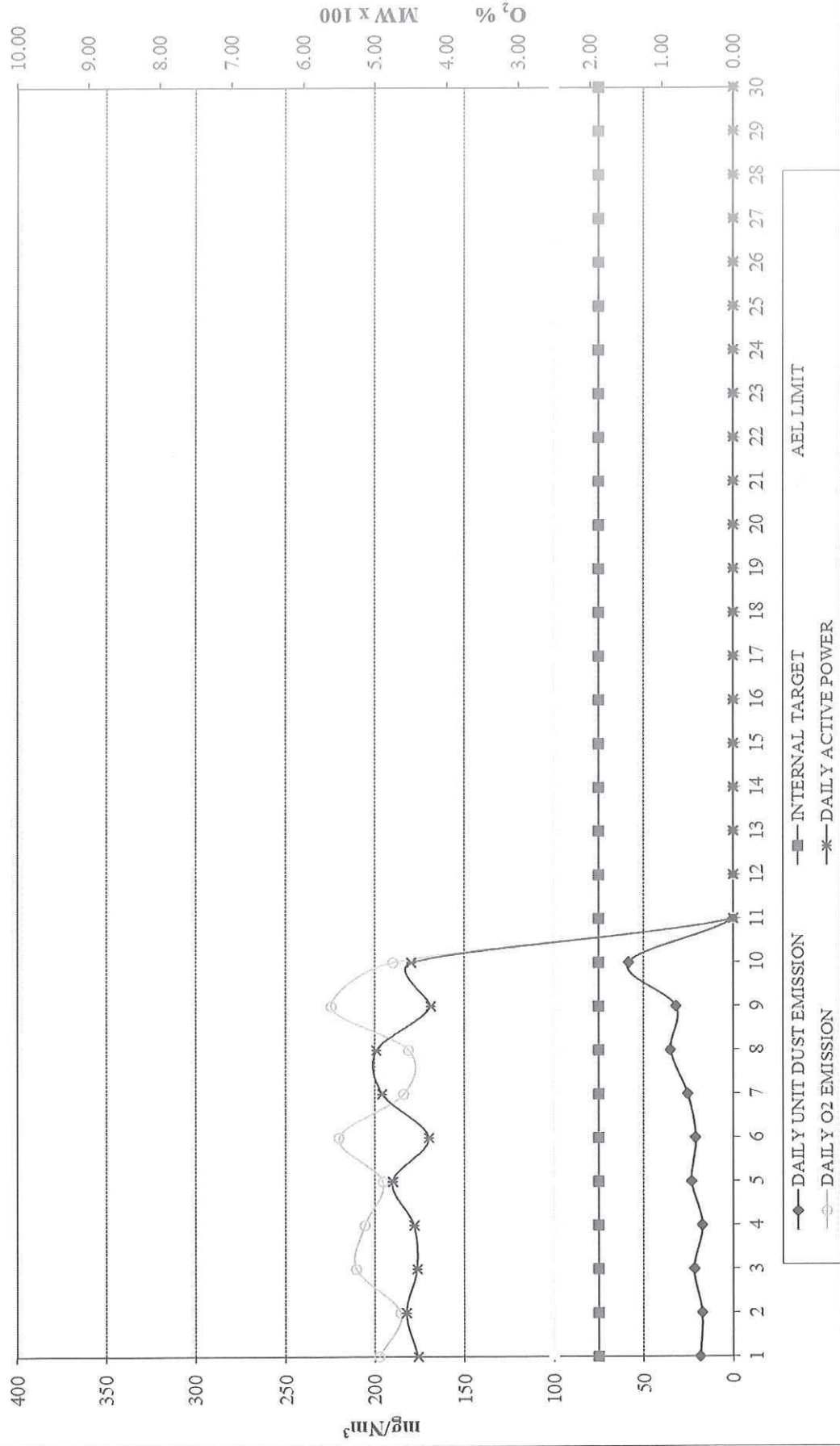
**MATLA POWER STATION
UNIT 4 DUST EMISSION REPORT
SEPTEMBER 2018**



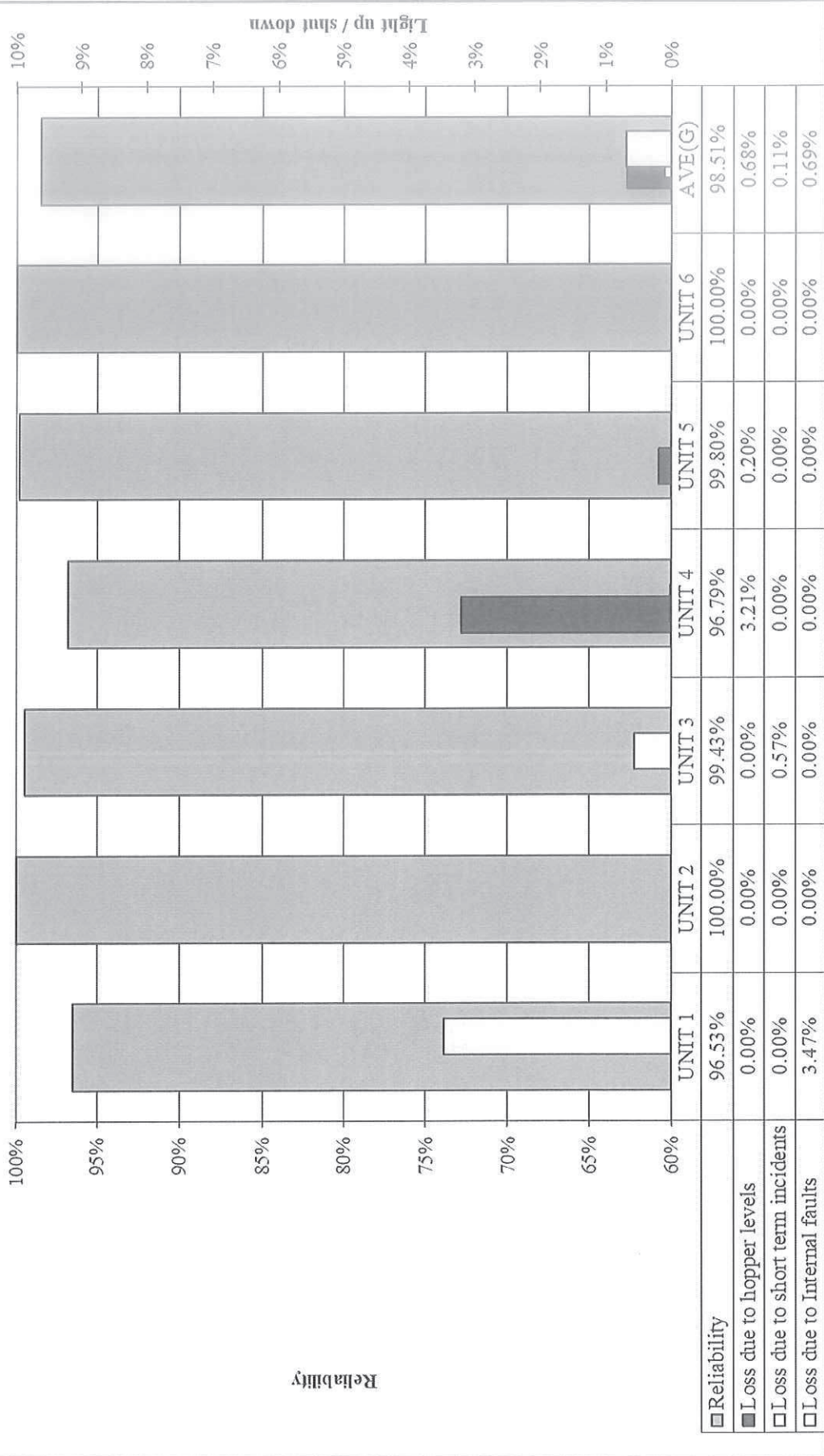
**MATLA POWER STATION
UNIT 5 DUST EMISSION REPORT
SEPTEMBER 2018**



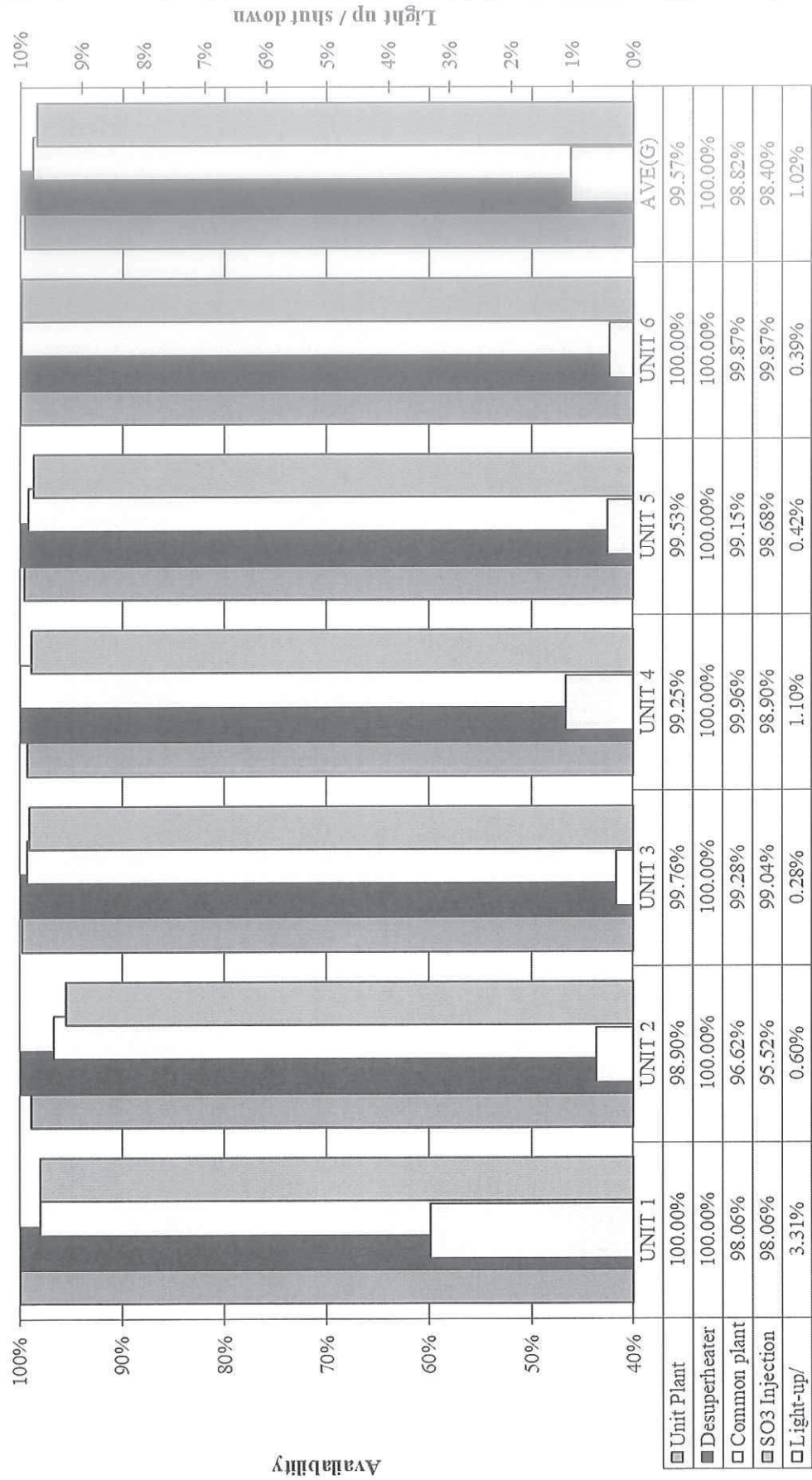
**MATLA POWER STATION
UNIT 6 DUST EMISSION REPORT
SEPTEMBER 2018**



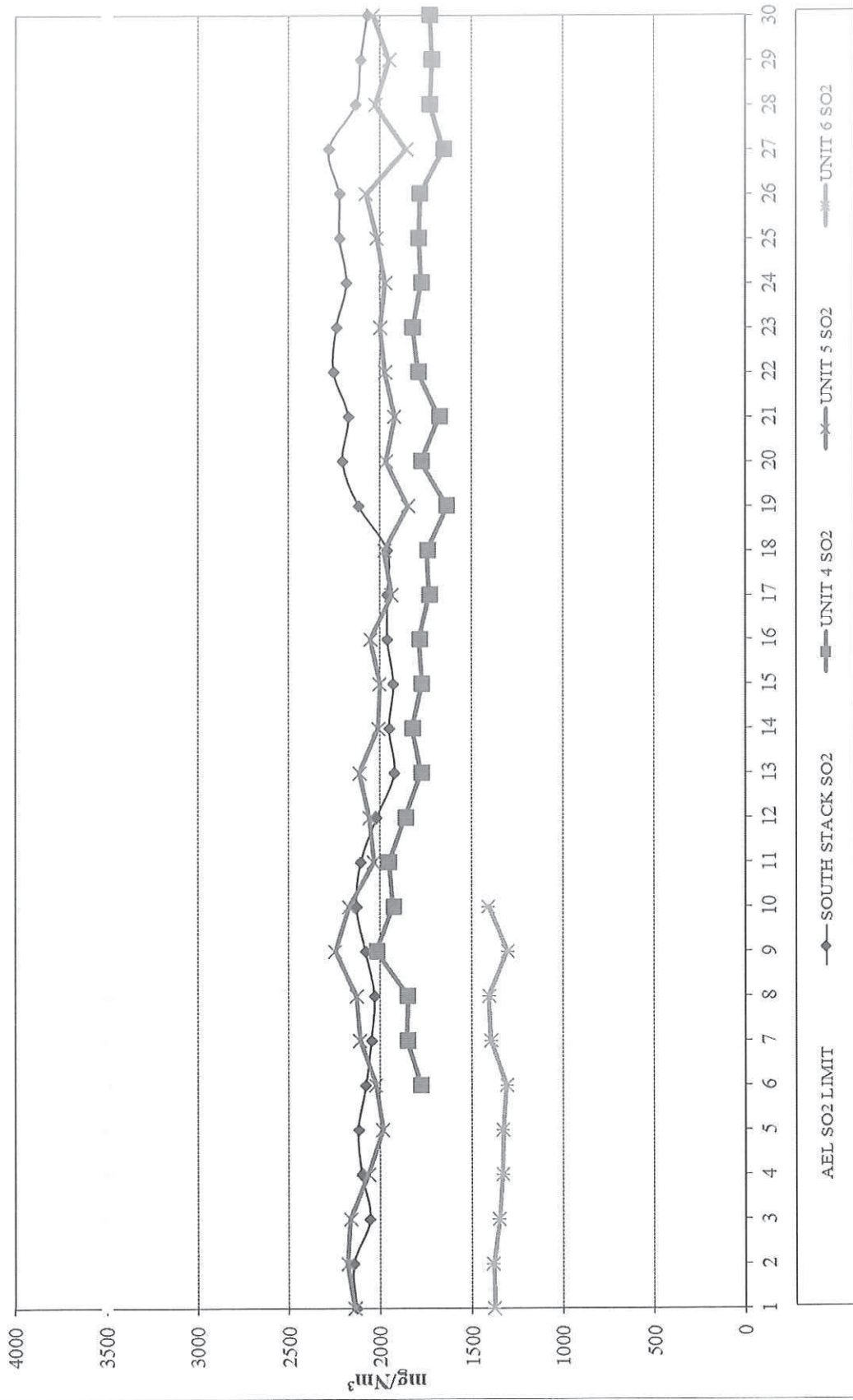
**MATLA POWER STATION
PRECIPITATOR RELIABILITY
SEPTEMBER 2018**



**MATLA POWER STATION
SO₃ PLANT AVAILABILITY
SEPTEMBER 2018**



**MATLA POWER STATION
SMOKE STACK SO₂ EMISSION REPORT
SEPTEMBER 2018**



**MATLA POWER STATION
SMOKE STACK NO_x EMISSION REPORT
SEPTEMBER 2018**

