

City of Cape Town
Air Quality Management
246 Voortrekker Road
VASCO
7460

23 May 2025

Enquiries:
Tel: 021 573 6162

Ref: WCCT036

Dear Mr Gildenhuys

ANKERLIG POWER STATION'S ANNUAL EMISSIONS REPORT: April 2024 – March 2025

This serves as the annual report required in terms of Section 9.4 in Ankerlig Power Station's Atmospheric Emission License (WCCT036). The information represented stems from 2024/25 Eskom's past financial year (Eskom's financial year extends from 1 April to 31 March).

Table 1: General overview of emissions at Ankerlig Power Station 2022/2023 to 2024/2025

| Year | NO _x Total (Tons/annum) | PM Total (Tons/annum) | SO ₂ Total (Tons/annum) |
|------------------|---------------------------------------|--------------------------|---------------------------------------|
| 2024/2025 | 1023737.8 | 0.034 | 20.4508 |
| 2023/2024 | 1588.637 | 13.64 | 35.894 |
| 2022/2023 | 1531.434 | 111 | 7.418 |

Table 2: Annual Figures of energy sent out and fuel usage at Ankerlig Power Station 2022/23 to 2024/25

| Year | Energy Sent Out (GWh) | Diesel used (tons) |
|------------------|-----------------------|--------------------|
| 2024/2025 | 1124.623 | 297 039.13 |
| 2023/2024 | 1588.583 | 419211.08 |
| 2022/2023 | 1332.496 | 345562.743 |

Table 3: Pollutant Emission Trends for 2024/2025 financial year

| Financial year 2024/2025 | | | | | | |
|--------------------------|---------------------------|-----------|---------------------------|-----------|---------------------------|-----------------|
| Month | NO _x (tons) | CO (tons) | SO ₂ (tons) | PM (tons) | Diesel consumed (tons) | GWh Sent Out |
| April 2024 | 52.58 | 7.861 | 0.83 | 0 | 15 106.949 | 56.961 |
| May 2024 | 351.2 | 7.986 | 0.516 | 0 | 9 529.580 | 35.750 |
| June 2024 | 119.787 | 14.03 | 1.741 | 0 | 33 173.192 | 125.284 |
| July 2024 | 20.272 | 3.042 | 0.350 | 0 | 5 756.762 | 22.058 |
| August 2024 | 26.33 | 3.281 | 0.418 | 0 | 7 046.289 | 27.019 |
| September 2024 | 143.594 | 10.769 | 2.019 | 0 | 41 265.017 | 157.305 |
| October 2024 | 31.621 | 3.234 | 0.448 | 0 | 9 800.147 | 36.730 |
| November 2024 | 16.373 | 1.574 | 0.232 | 0 | 8 039.455 | 30.379 |
| December 2024 | 68.032 | 6.713 | 1.761 | 0 | 27 838.454 | 105.543 |
| January 2025 | 126.898 | 9.582 | 6.05 | 0 | 38 911.383 | 147.057 |
| February 2025 | 137.675 | 5.819 | 2.135 | 0 | 36 652.007 | 139.561 |
| March 2025 | 245.455 | 13.631 | 3.95 | 0.034 | 63 919.898 | 240.977 |
| Totals | 1023737.8 | 87.522 | 20.4508 | 0.034 | 297 039.13 | 1124.623 |

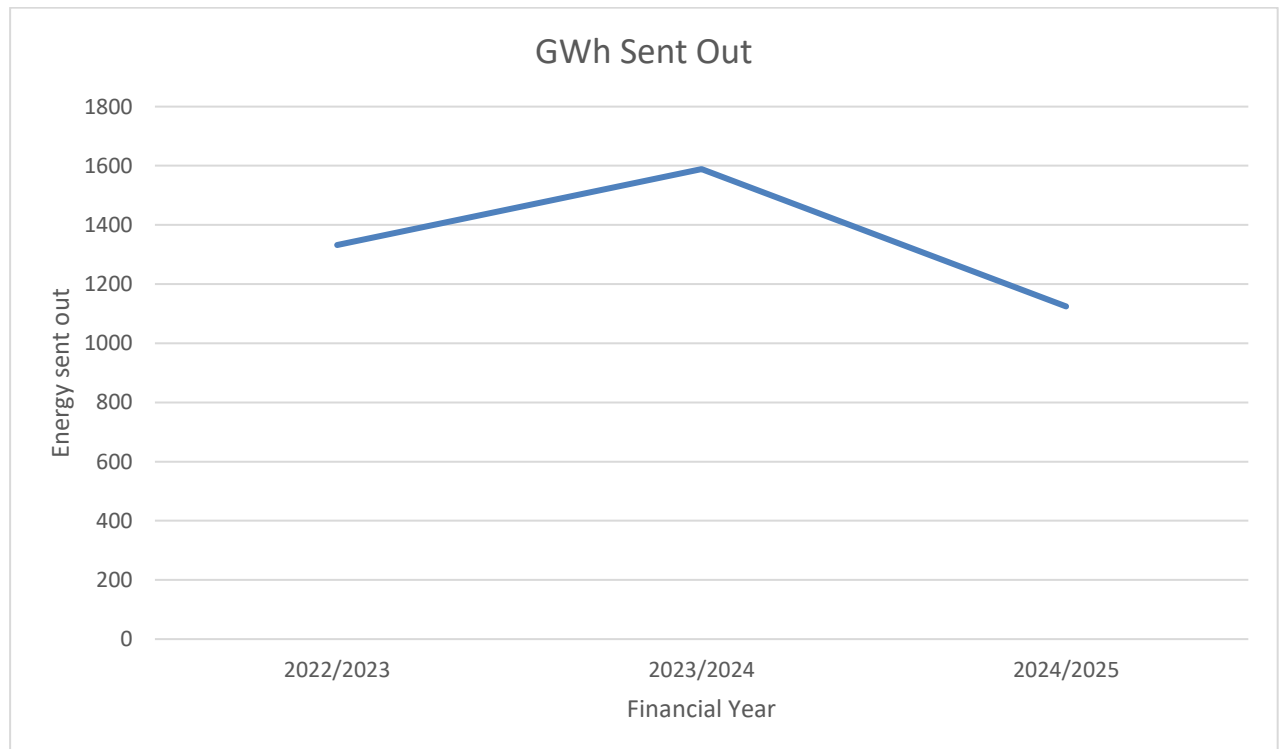


Figure 1: Annual GWh sent out between 2022 and 2024 for Ankerlig Power Station

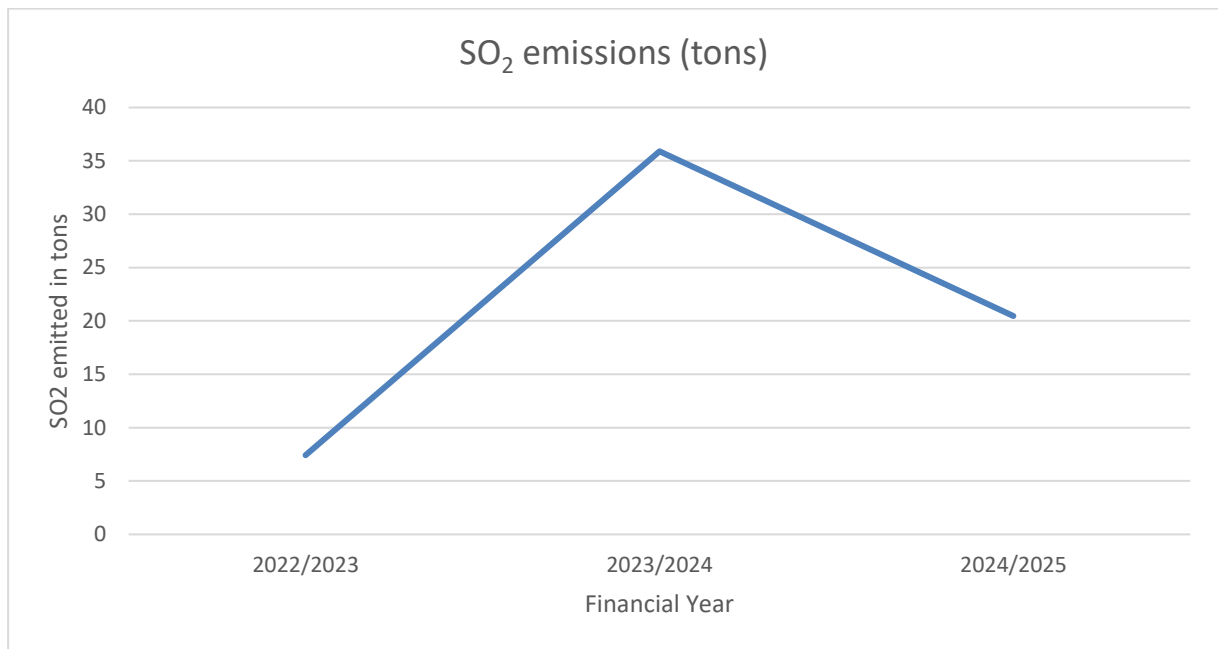


Figure 2: Annual SO₂ Emissions in tons between 2022 and 2024 for Ankerlig Power Station

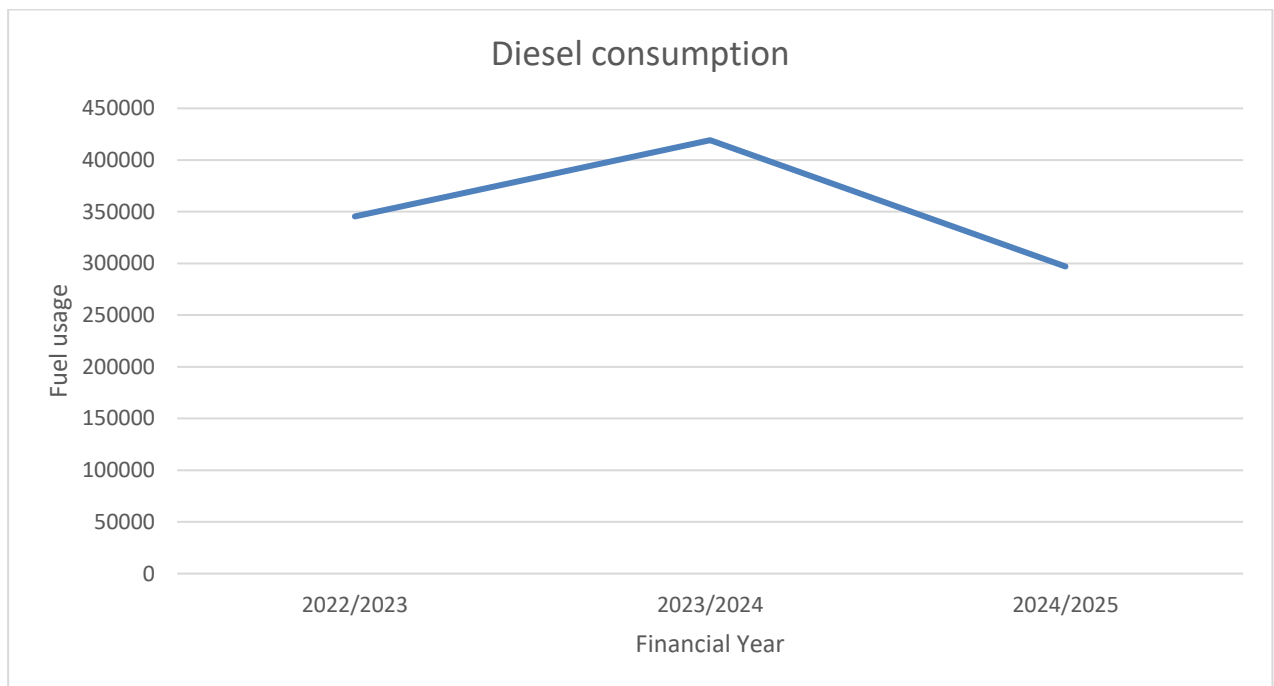


Figure 3: Annual diesel usage in tons between 2022 and 2024 for Ankerlig Power Station

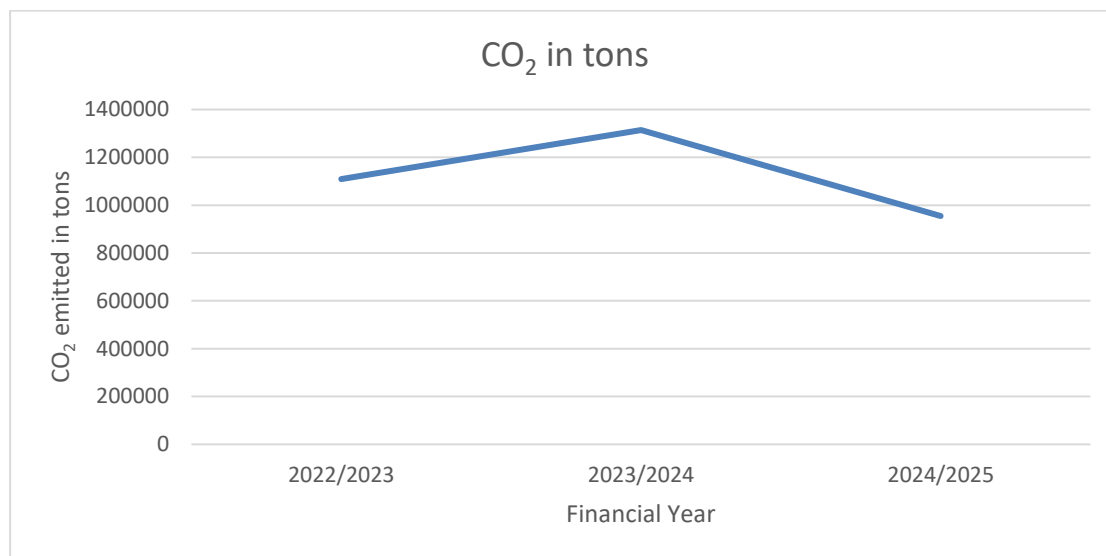


Figure 4. Monthly CO₂ Emissions in tons in between 2022 and 2024 for Ankerlig Power Station

Monitoring data availability

CEMS for the period 2024/2025 in terms of the number of full hours that valid result was obtained for the CEMS is approximately 99% of the time.

Table 4: General oversight of monitoring data availability for Ankerlig Power Station on 2024/2025

| | Unit 11 | Unit 12 | Unit 21 | Unit 22 | Unit 31 | Unit 32 | Unit 41 | Unit 42 | Unit 43 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| PM | 8760 | N/A | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 |
| SO₂ | 8760 | N/A | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 |
| NO_x | 8135 | N/A | 8568 | 8614 | 8579 | 8760 | 8724 | 8729 | 8701 |
| CO | 8760 | N/A | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 | 8760 |

Compliance Audit Report(s):

No external compliance audit has been undertaken during the period under review; however, internal review was undertaken in June 2024.

Major upgrade projects:

No major projects were undertaken at the station.

Greenhouse Gas Emissions:

Table 5: Greenhouse gas emissions at Ankerlig Power Station 2024/2025

| Month | CO ₂ (kg) |
|-----------------------|----------------------|
| April 2024 | 48 553 986 |
| May 2024 | 30 628 229 |
| June 2024 | 106 619 192 |
| July 2024 | 18 502 329 |
| August 2024 | 22 646 890 |
| September 2024 | 132 626 452 |
| October 2024 | 31 497 836 |
| November 2024 | 25 838 942 |
| December 2024 | 89 473 255 |
| January 2025 | 125 061 834 |
| February 2025 | 117 800 161 |
| March 2025 | 205 439 618 |

Results of spot measurements or correlation tests:

No spot measurements or correlation tests were undertaken in the past financial year. The supplier is currently undertaking these measurements, and a report will be submitted once received.

The rest of the information demonstrating compliance with the emission license conditions is supplied in the monthly emission reports sent to your office.

Hoping the above will meet your satisfaction. For any queries please do not hesitate to contact Maureen Dlulisa (021 573 6162).

Yours sincerely



Pamela Mrubata

PLANT MANAGER

ANKERLIG POWER STATION