

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

12 June 2024

Enquiries:  
Tel: 021 573 6162

Ref: WCCT036

Dear Mr Gildenhuys

### **ANKERLIG POWER STATION'S ANNUAL EMISSIONS REPORT: April 2023 – March 2024**

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 2023/24 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 2021/2022 to 2023/2024**

Year	NO <sub>x</sub> Total (Tons/annum)	PM Total (Tons/annum)	SO <sub>2</sub> Total (Tons/annum)
<b>2023/2024</b>	1588.637	13.64	24.91
<b>2022/2023</b>	1531.434	111	34.56
<b>2021/2022</b>	1045.72	158.66	40.94

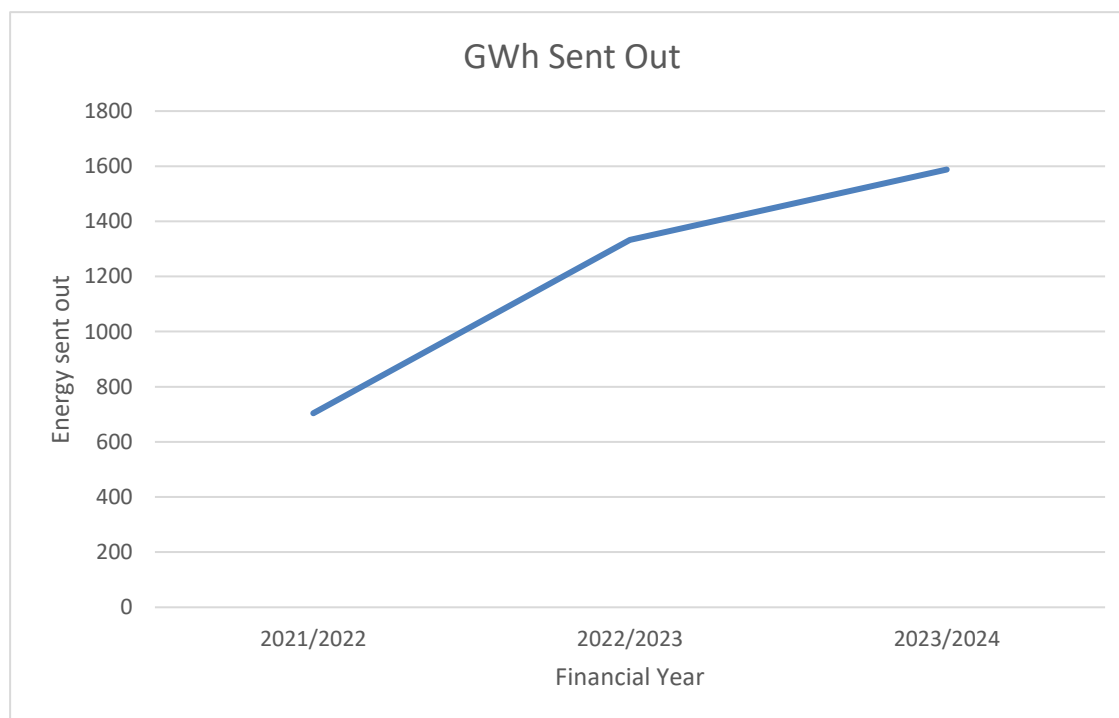
**Table 2: Annual Figures of energy sent out and fuel usage at Ankerlig Power Station 2021/22 to 2023/24**

Year	Energy Sent Out (GWh)	Diesel used (tons)
<b>2023/2024</b>	1588.583	419211.08
<b>2022/2023</b>	1332.496	345562.743
<b>2021/2022</b>	953.788	254080.077

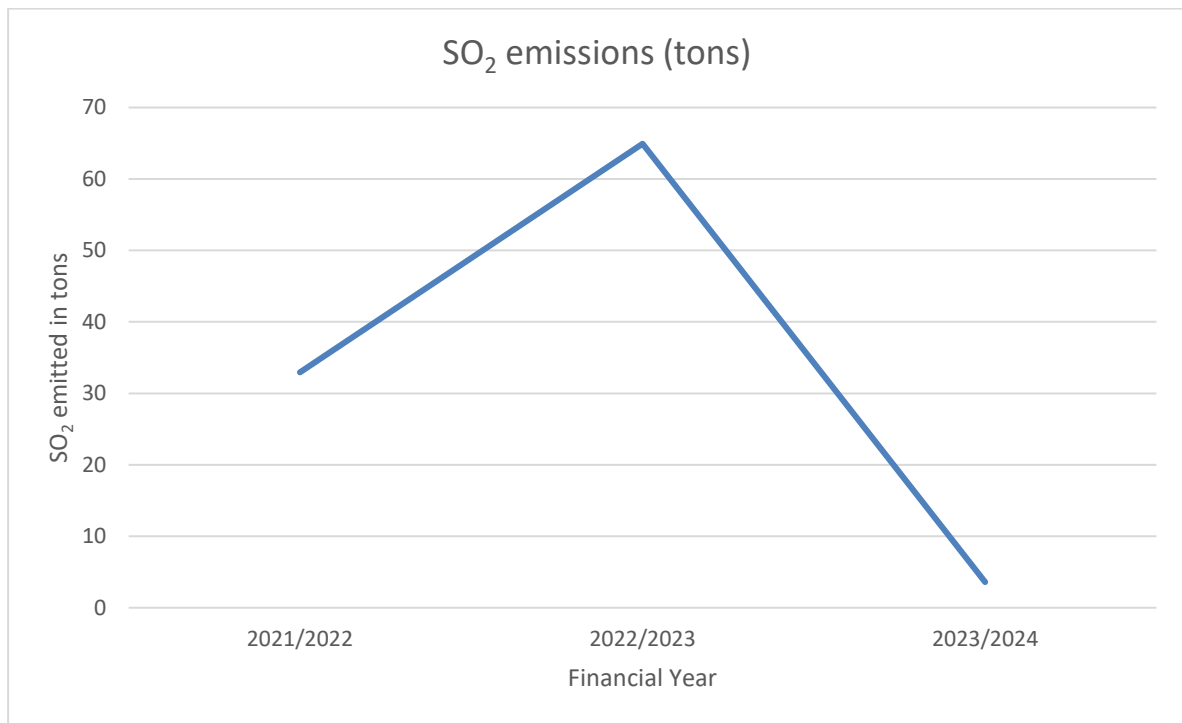
#### **Generation Division (Peaking)**

15 Pasita Street Rosenpark Bellville 7536  
PO Box 3487 Tygerpark Capetown 7536 SA  
Tel +27 21 941 5800 Fax +27 21 941 3131 [www.eskom.co.za](http://www.eskom.co.za)

Financial year 2023/2024						
Month	NO <sub>x</sub> (tons)	CO (tons)	SO <sub>2</sub> (tons)	PM (tons)	Diesel consumed (tons)	GWh Sent Out
April 2023	179912.0	72709.17	8981.0	39.081	42 272.77	159.091
May 2023	234327.0	93556.98	8341.0	50.286	54 393.59	205.275
June 2023	116466.0	48314.50	2109.0	25.969	28 089.82	106.859
July 2023	182532.0	84807.45	2783.0	45.584	49 306.66	188.670
August 2023	131210.0	53087.69	1596.0	28.534	30 864.93	117.609
September 2023	96576.0	47699.79	1221.0	25.638	27 732.44	106.555
October 2023	78855.0	40591.50	1551.0	21.817	23 599.71	89.544
November 2023	188389.0	100035.26	3572.0	53.768	58 160.03	219.191
December 2023	33136.0	16073.81	559.0	86.397	9 345.24	35.548
January 2024	73907.0	39926.38	1207.0	21460.43	23 213.01	87.258
February 2024	137012.0	62269.38	2346.0	33469.79	36 203.13	136.308
March 2024	136315.0	61971.16	1628.0	33.309	36 029.74	136.676
<b>Totals</b>	<b>1588637.0</b>	<b>25384.32</b>	<b>35894.0</b>	<b>13.644</b>	<b>419 211.08</b>	<b>1588.583</b>

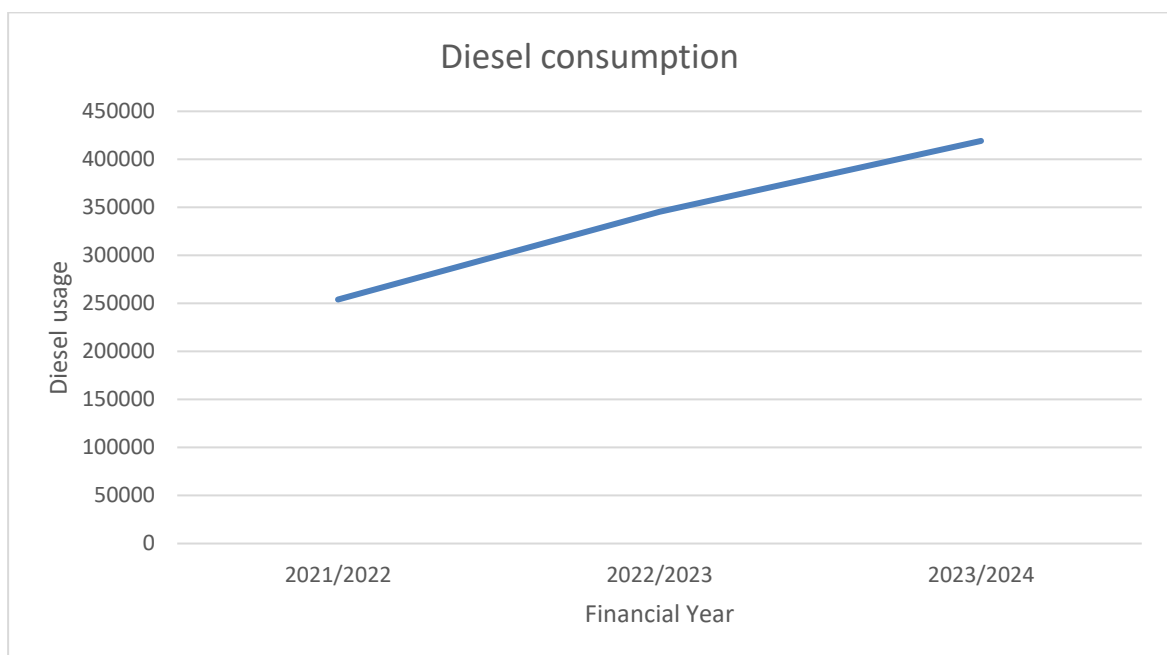


**Figure 1: Annual GWh sent out between 2021 and 2023 for Ankerlig Power Station**

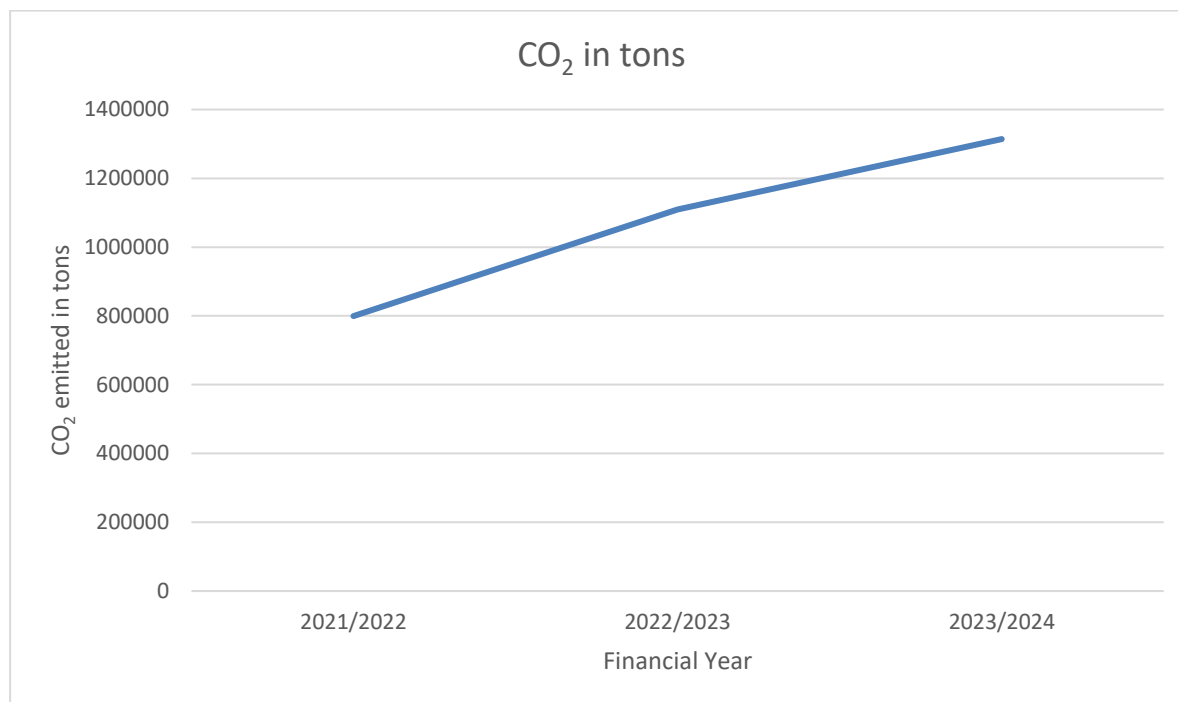


**Figure 2: Annual SO<sub>2</sub> Emissions in tons between 2021 and 2023 for Ankerlig Power Station**

\* Reduction in SO<sub>2</sub> emissions is due to the lower Sulphur content in the Diesel currently used by the Power Station



**Figure 3: Annual diesel usage in tons between 2021 and 2023 for Ankerlig Power Station**



**Figure 4: Monthly CO<sub>2</sub> Emissions in tons in between 2021 and 2023 for Ankerlig Power Station**

#### Monitoring data availability

CEMS for the period 2023/2024 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 2023/2024**

	Unit 11	Unit 12	Unit 21	Unit 22	Unit 31	Unit 32	Unit 41	Unit 42	Unit 43
<b>PM</b>	8759	8759	8759	8759	8759	8759	8759	8759	8759
<b>SO<sub>2</sub></b>	8760	8760	8760	8760	8760	8760	8760	8760	8760
<b>NO<sub>x</sub></b>	8760	8760	8760	8760	8760	8760	8760	8760	8760
<b>CO</b>	8760	8760	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 will take place 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 2023/2024**

Month	CO <sub>2</sub> (kg)
April 2023	135 865 397
May 2023	174 821 914
June 2023	90 281 162
July 2023	158 472 417
August 2023	99 200 412
September 2023	89 132 518
October 2023	75 849 857
November 2023	186 927 319
December 2023	30 035 757
January 2024	74 606 998
February 2024	116 357 457
March 2024	115 800 194

### Results of spot measurements or correlation tests:

No spot measurements or correlation tests were undertaken in the past financial year.

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**