

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

30 May 2025

Enquiries: H. Westman  
Tel: 021 9415856

Ref: WCCT 023

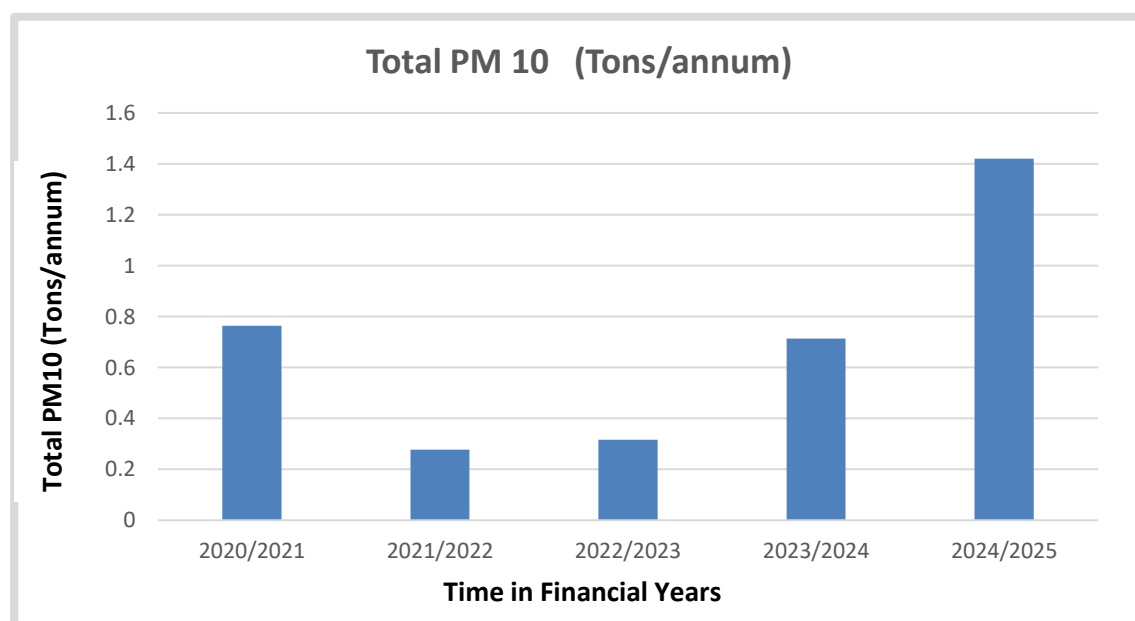
Dear Mr Gildenhuys

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

This serves as the annual report required in terms of Section 8.6.2 in Acacia Power Station's Atmospheric Emission License (WCCT 023). The information represented stems from 2024/2025 Eskom's past financial year (Eskom's financial year extends from 1 April to 31 March). As Acacia Power Station does not operate installed continuous emission monitors (CEMS), the emissions reported herein are based on calculations.

**Table 1. General overview of emissions at Acacia Power Station 2020/21 to 2024/2025**

Emissions	Total (Tons/annum) 2024/2025	Total (Tons/annum) 2023/2024	Total (Tons/annum) 2022/2023	Total (Tons/annum) 2021/2022	Total (Tons/annum) 2020/2021
PM 10	1.42	0.714	0.316	0.277	0.764
SO <sub>2</sub>	0.153	0.0773	0.034	0.451	0.712
CO <sub>2</sub>	4935.8	2483.837	1099.397	945.839	1493.32



**Figure 1. Trend of total PM emissions in tons per financial year**

**Generation Division (Peaking)**  
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Eskom Holdings SOC Limited Reg No 2002/015527/30

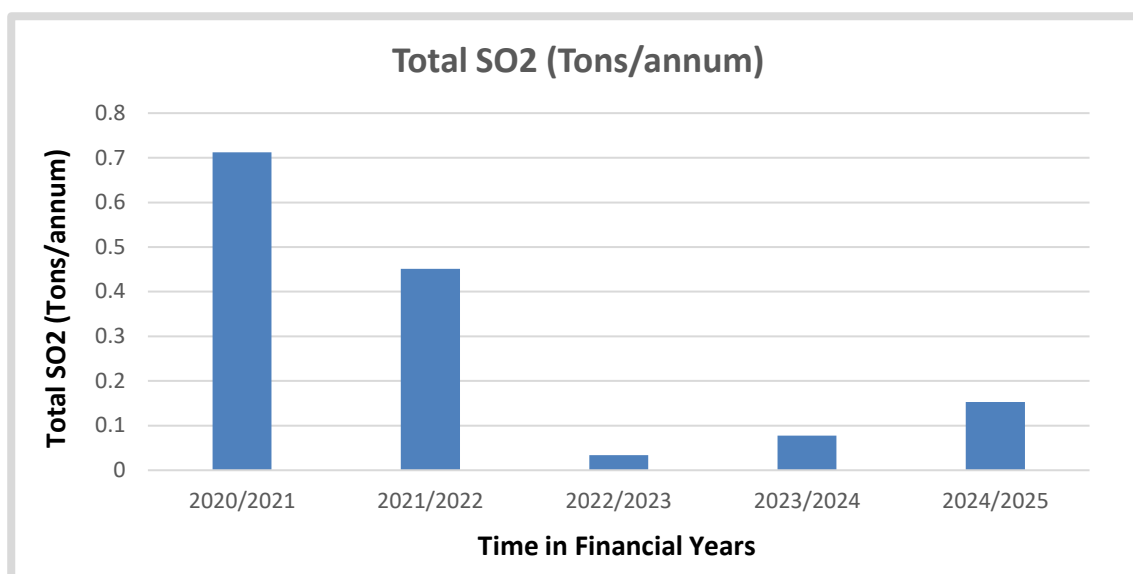


Figure 2. Trend of total SO2 emissions in tons per financial year

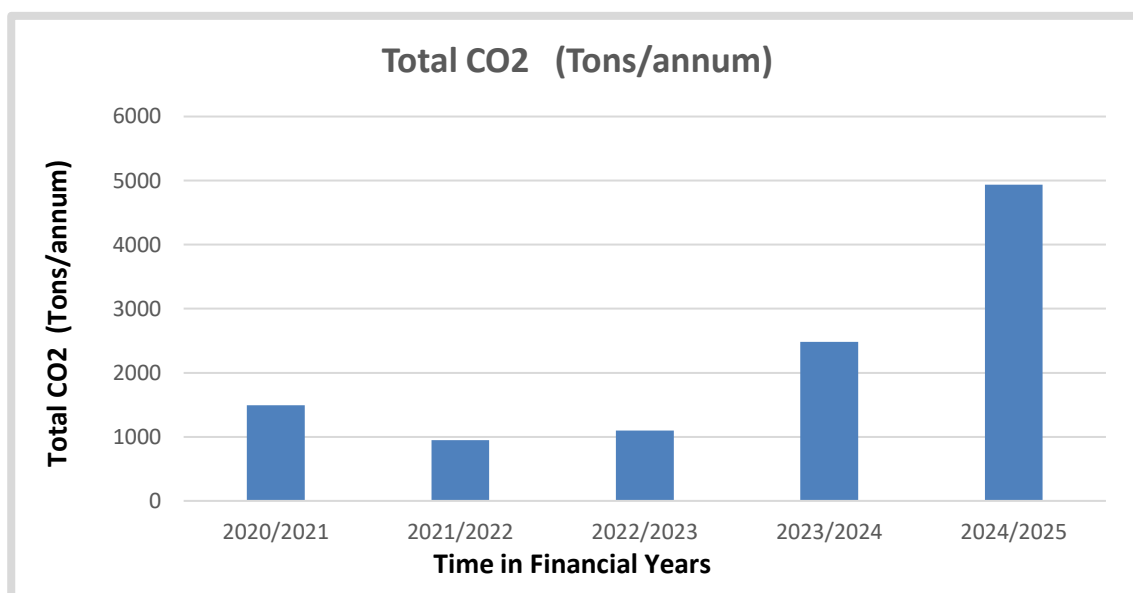


Figure 3. Trend of total CO2 emissions in tons per financial year

Table 2. Total Fuel Used (Diesel) per financial year in tons

Year	Fuel Used (Tons)	Fuel Type
2024/2025	1535.711	Diesel
2023/2024	772.814	Diesel
2022/2023	342.063	Diesel
2021/2022	300.648	Diesel
2020/2021	474.673	Diesel

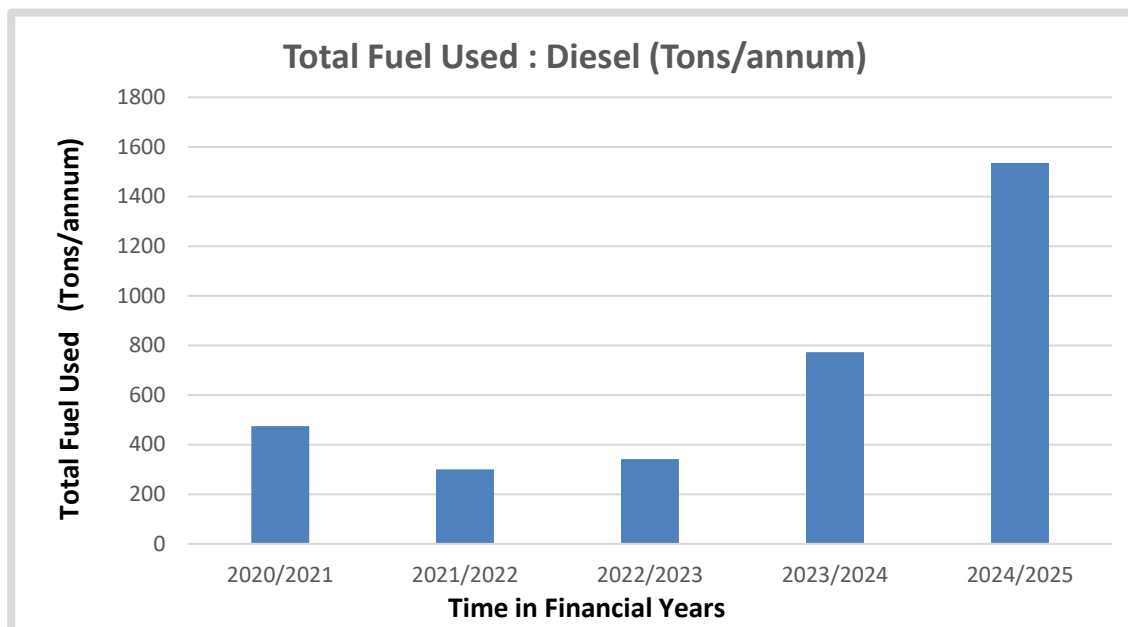


Figure 4. Acacia Power Station Fuel Used: Diesel in tons per financial year

Table 3. Total Production per financial year (MWh)

Year	Energy Sent Out (MWh)
2024/2025	5282
2023/2024	2486
2022/2023	1069
2021/2022	878
2020/2021	1467

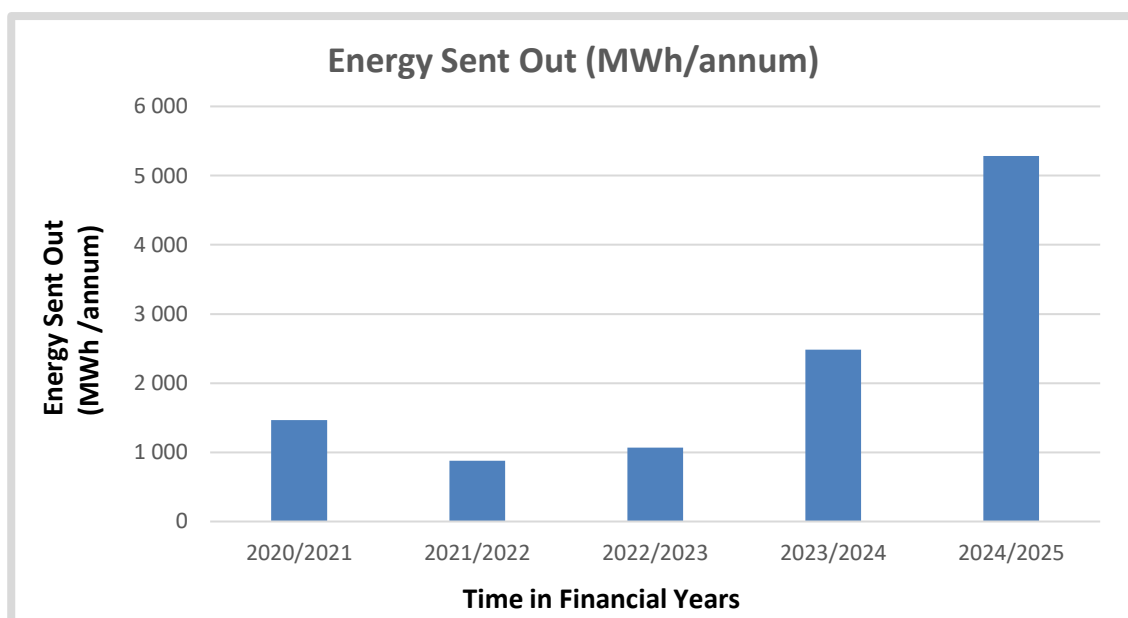


Figure 5. Total Production / Energy sent out (MWh/per annum) per financial year.

## 5. Point source Emission monitoring: Date of last periodic emission monitoring

As per section 16 of the Minimum Emission Standards and as per section 8.2.3 of Acacia's AEL, annual emission testing is required to quantify PM, SO<sub>2</sub> and NO<sub>x</sub> emissions, only if 5% or >load factor. SGS conducted the last Source Emissions Monitoring tests on the 26<sup>th</sup> March 2015 that were attached in the previous annual report.

According to the report compiled, the test results were below the pollutant specific hourly emission limit for PM, SO<sub>2</sub> and NO<sub>x</sub>, showing that Acacia Power Station is following stipulated emission limits.

## 6. Ambient air quality monitoring

An Ambient Air Quality Monitoring Station was commissioned at Settlers Drive, Edgemead during September 2015 and the ambient data gathered is used to monitor compliance with the National Ambient Air Quality Standards and to set a baseline for comparisons during operations.

**Table 4. Ambient Monitoring Results**

Station Compliance to National Ambient Air Quality Standards	2024/2025	2023/2024	2022/2023	2021/2022	2020/2021
	Compliant	Compliant	Compliant	Compliant	Compliant
	No exceedances	No exceedances	No exceedances	No exceedances	No exceedances

A few PM-10 exceedances were recorded that may be attributed to prevailing weather conditions at the time, temperature inversion, traffic, fires in the area including veld fires and braais. Eskom Acacia Power Station was not operating at the time the exceedances were recorded.

## 7. Complaints

Acacia Power Station maintains comprehensive complaints register as per section 8.6.1 of the AEL. One power station related complaint was received for the last financial year (Table 5).

**Table 5. Complaints**

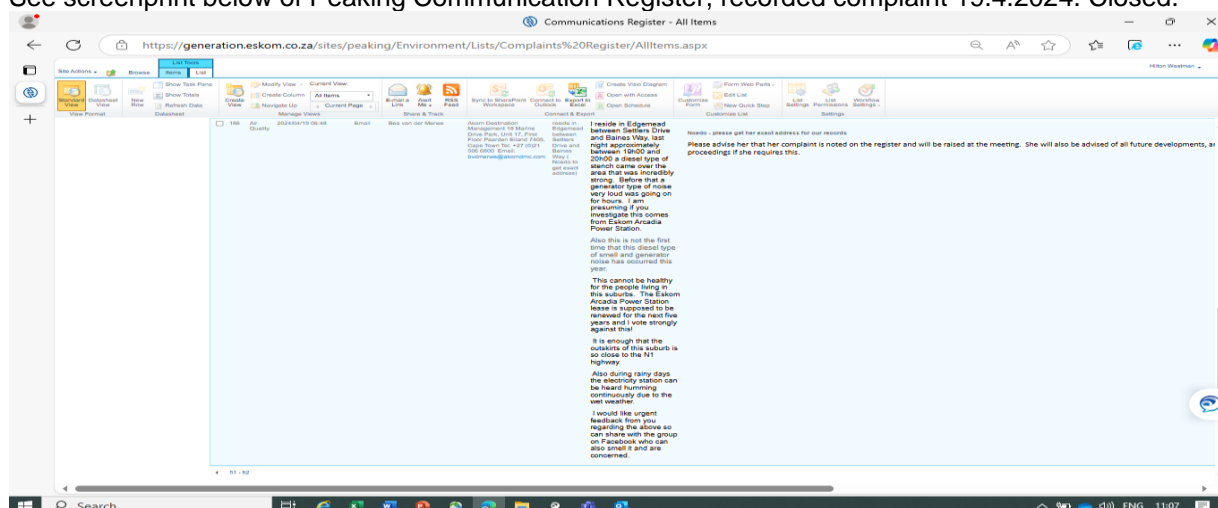
Total number of air quality complaints	2024/2025	2023/2024	2022/2023	2021/2022	2020/2021
	1	0	0	0	1

Date of complaint: 19.4.2024

Name: Bea van der Merwe, Edgemead complained of air quality as received per email.

Ncedo Ntammami, Senior Advisor Peaking Stakeholder Management contacted her and invited her to the Public Participation Meeting. The Minutes were shared with complainant. Complaint closed.

See screenprint below of Peaking Communication Register, recorded complaint 19.4.2024. Closed.



## **8. Status of any significant diesel fuel leaks and repairs 2024\_2025**

No significant fuel leaks or incidents reported.

Leak Detection and Repair Programme (LDAR) Rev 6 is in place as guided by section 6.2a) of the AEL.

## **9. Compliance**

### **Audits**

No external compliance audit was conducted during 2024\_2025.

Latest Internal Compliance audit conducted on the 29<sup>th</sup> May 2025. No findings were recorded.

### **NAEIS**

As required, Acacia shall report its 2024 NAEIS report online by the 30<sup>th</sup> June 2025, within the required timeline.

### **Minimum Emission Standards**

MES Postponement Application was granted by DFFE in mid-May 2024.

### **Load Factor**

The load factor for the 2024\_2025 reporting is **0.35%**.

For any queries please do not hesitate to contact Hilton Westman on 021 -9415856.

Yours sincerely



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Zukile Tshisa  
Manager Operations and Maintenance  
**ACACIA POWER STATION**