Eskom	Matimba Power Station annual emission report	Matimba Power Station

Title: **Matimba Power Station annual emission report for 2025/2026 financial year**

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Compiled by	Reviewed by	Functional Responsibility	Authorized by
Helry Ramahlare	**MC Mamabolo**	**NJ Mathobela**	**JLJ van Renburg**
Senior Advisor Environment	**Environmental Manager**	**Environmental Manager**	**General Manager**
Date: 2026-05-29	Date: 29.05.2026	Date: 2026/05/29	Date: 29/05/2026

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1. Introduction

This annual emissions report is prepared as per the requirements of Section 7.7.3 of the Matimba Power Station's Atmospheric Emission License (AEL) "*The License Holder must complete and submit to the Licensing Authority, an annual Report. The report must include information for the year under review (i.e., annual year end of the company). The report must be submitted to the licensing authority not later than 60(sixty) days after the end of each reporting period"*, as well as in terms other reporting requirements listed in the Minimum Emission Standards. The emissions are for Matimba's 2025/2026 financial year, which covers the period from 1 April 2025 to 31 March 2026. The data presented in the report is the verified emissions of particulates, SO_2 and NO_x (as NO_2), as measured by installed CEMS. Greenhouse gas reporting is done in accordance with the National Greenhouse Gas Reporting Regulations.

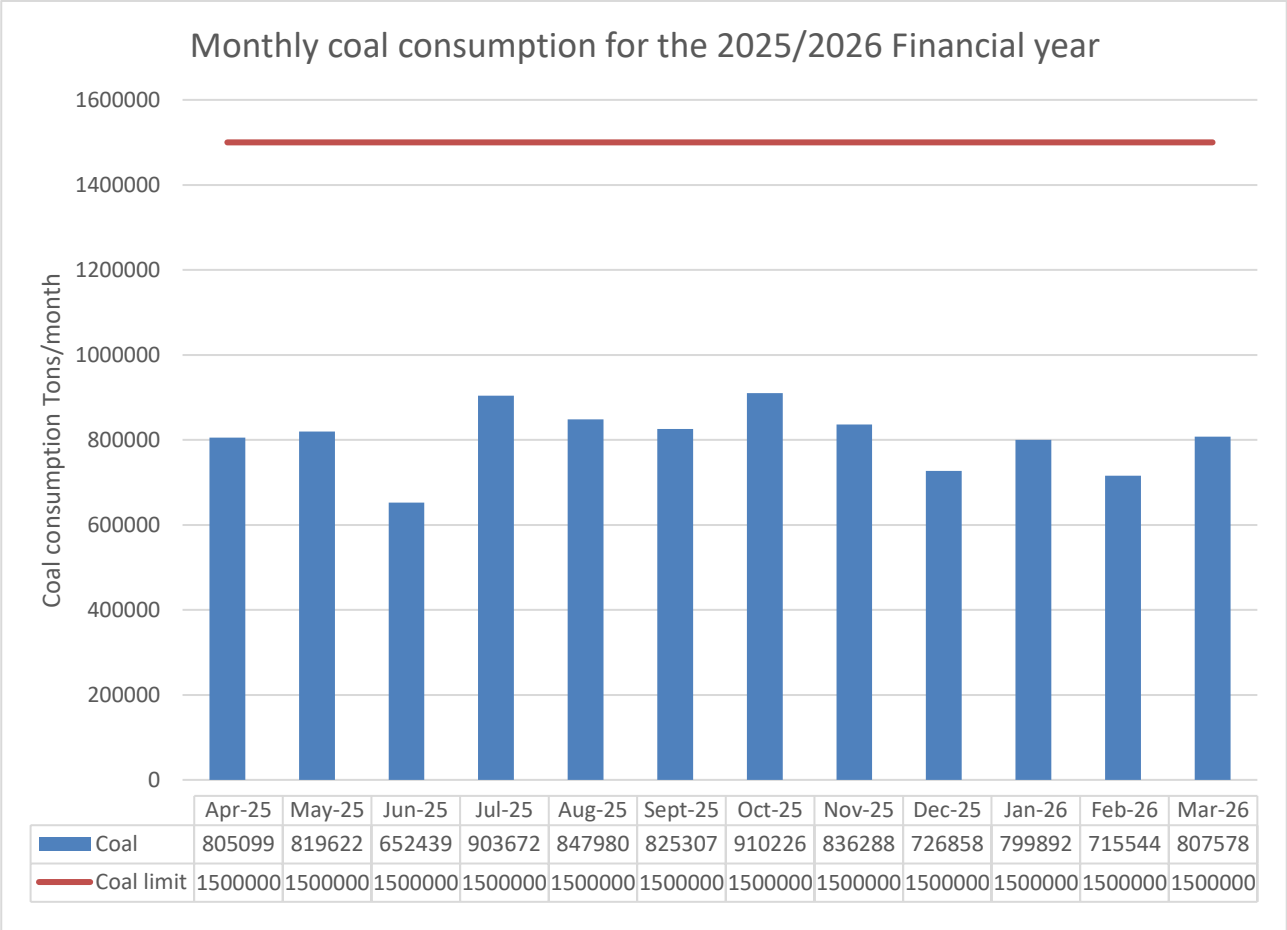
Table 1: Name, description and reference number of plant as specified in the AEL

Name of facility	Eskom Holdings SOC Limited Matimba Power Station
Description of facility	Electricity generation
Enterprise registration number	2002/015527/30
AEL reference number	H16/1/13-WDM05
AEL Issue Date and Validity	27 September 2022 – 27 September 2026

2. Annual emission information

2.1. Annual consumption rates

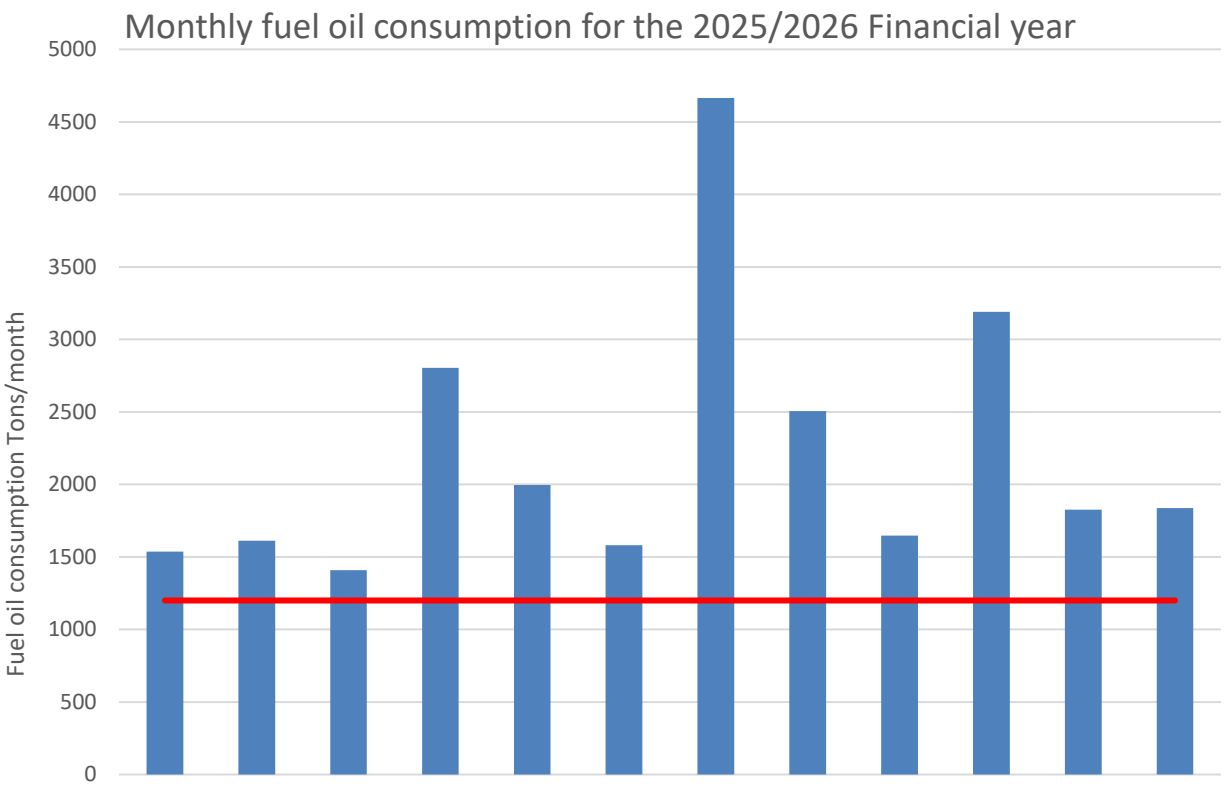
Figure 1 and Figure 2 below indicates the monthly coal and fuel oil consumption rates, respectively, in tons for the 2024/2025 financial year.



	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
Coal	805099	819622	652439	903672	847980	825307	910226	836288	726858	799892	715544	807578
Coal limit	1500000	1500000	1500000	1500000	1500000	1500000	1500000	1500000	1500000	1500000	1500000	1500000

Figure 1: Coal consumption for 2024/2025 financial year

Monthly coal consumption for the whole reporting period remained below the limit of 1 500 000 Tons per month.



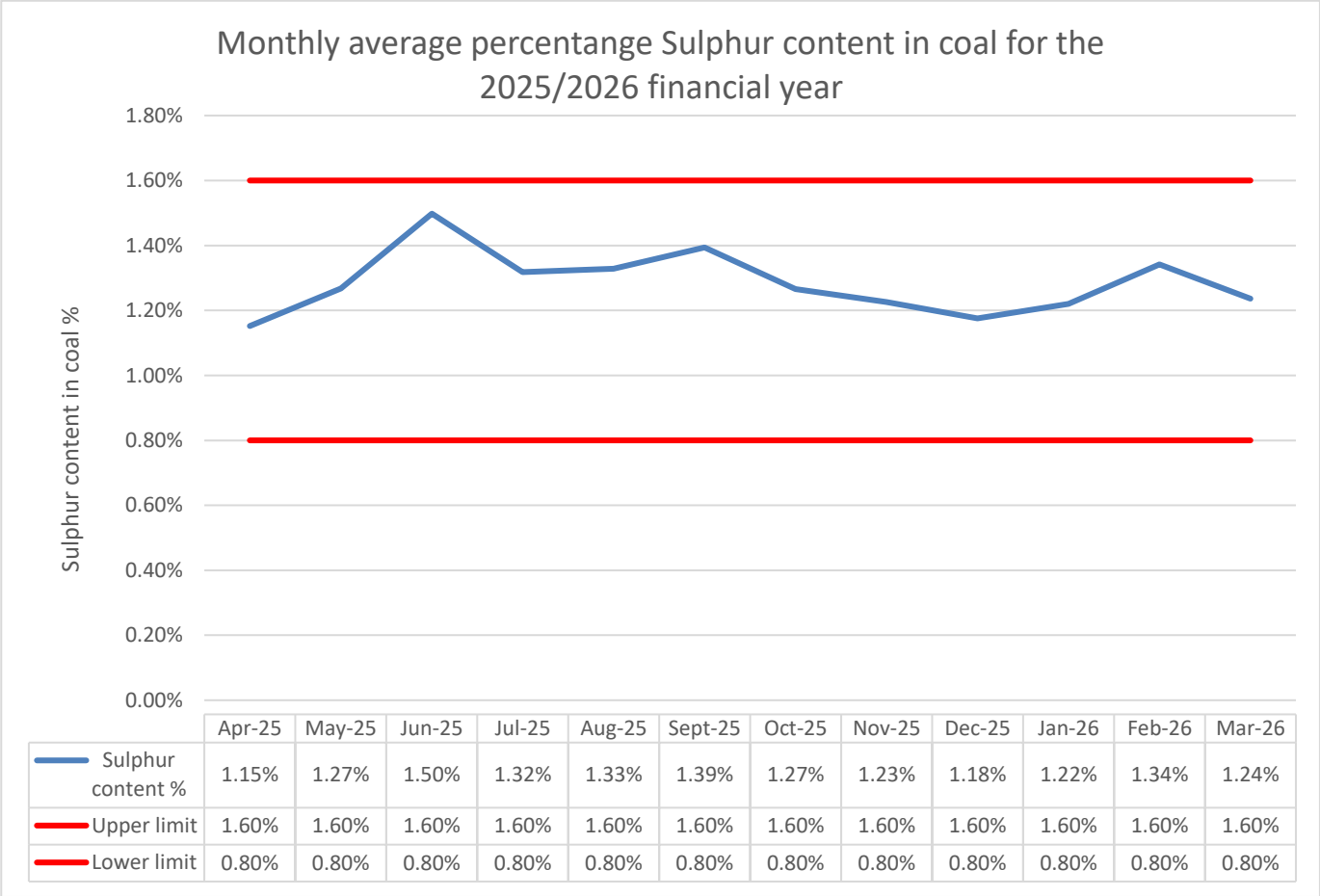
	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
Fuel Oil	1537	1611	1409	2804	1996	1581	4664	2507	1647	3190	1826	1837
Fuel Oil limit	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200

Figure 2: Fuel oil consumption for 2025/2026 Financial year

Matimba Power Station exceeded the monthly fuel oil usage limit of 1200 Tons per month from April 2025 to March 2026.The increased usage of fuel oil was due to multiple start-ups that had to be done after several unplanned unit trips and planned outages of units and the plants defects that resulted in operating with constant combustion support with fuel oil.

2.2. Energy source characteristics

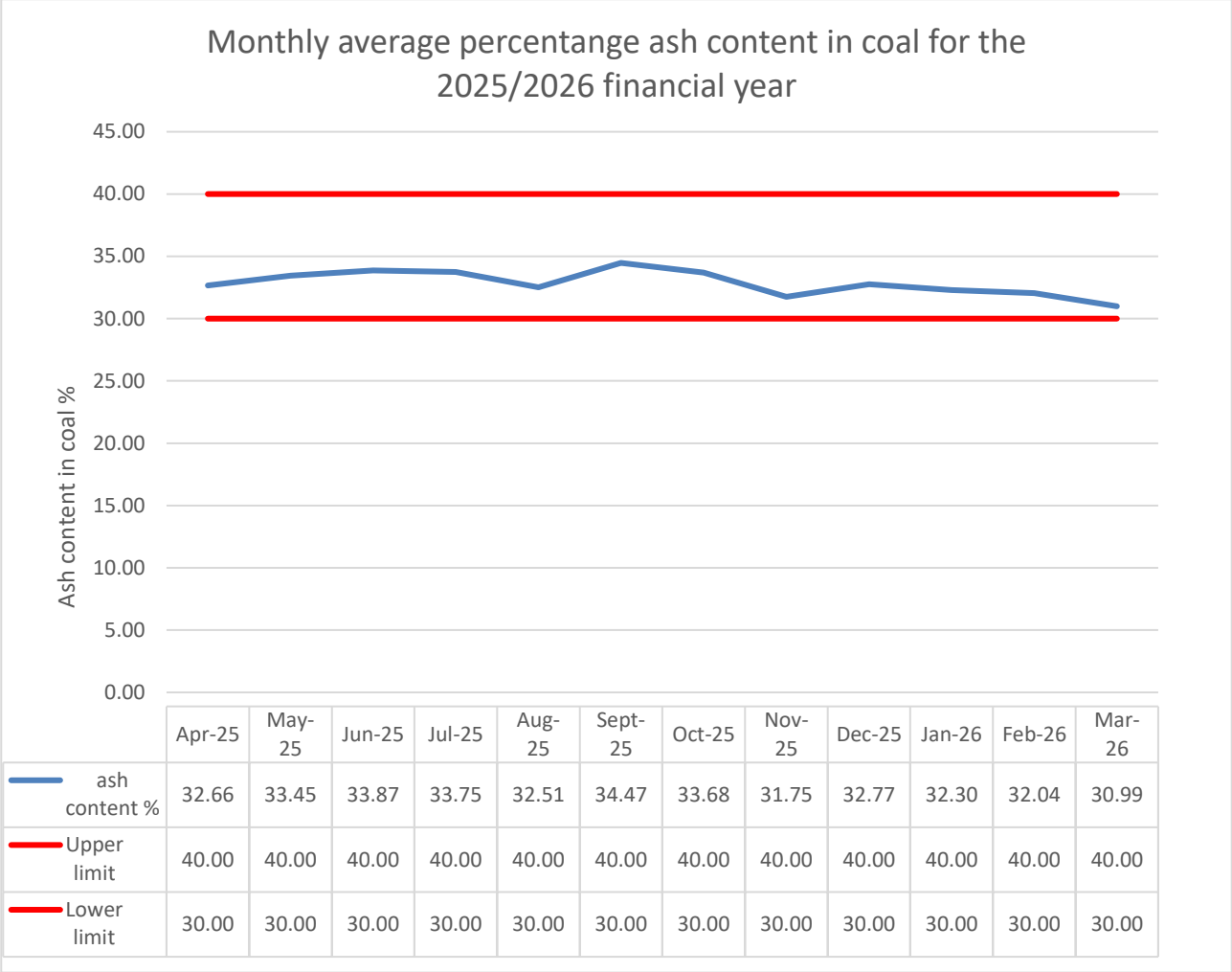
The figures 3, 4 and 5 below indicates the Sulphur content and ash content of the coal and Sulphur content of the fuel oil used in the 2025/2026 financial year.



	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
Sulphur content %	1.15%	1.27%	1.50%	1.32%	1.33%	1.39%	1.27%	1.23%	1.18%	1.22%	1.34%	1.24%
Upper limit	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%	1.60%
Lower limit	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%

Figure 3: Sulphur content in coal for 2025/2026 financial year

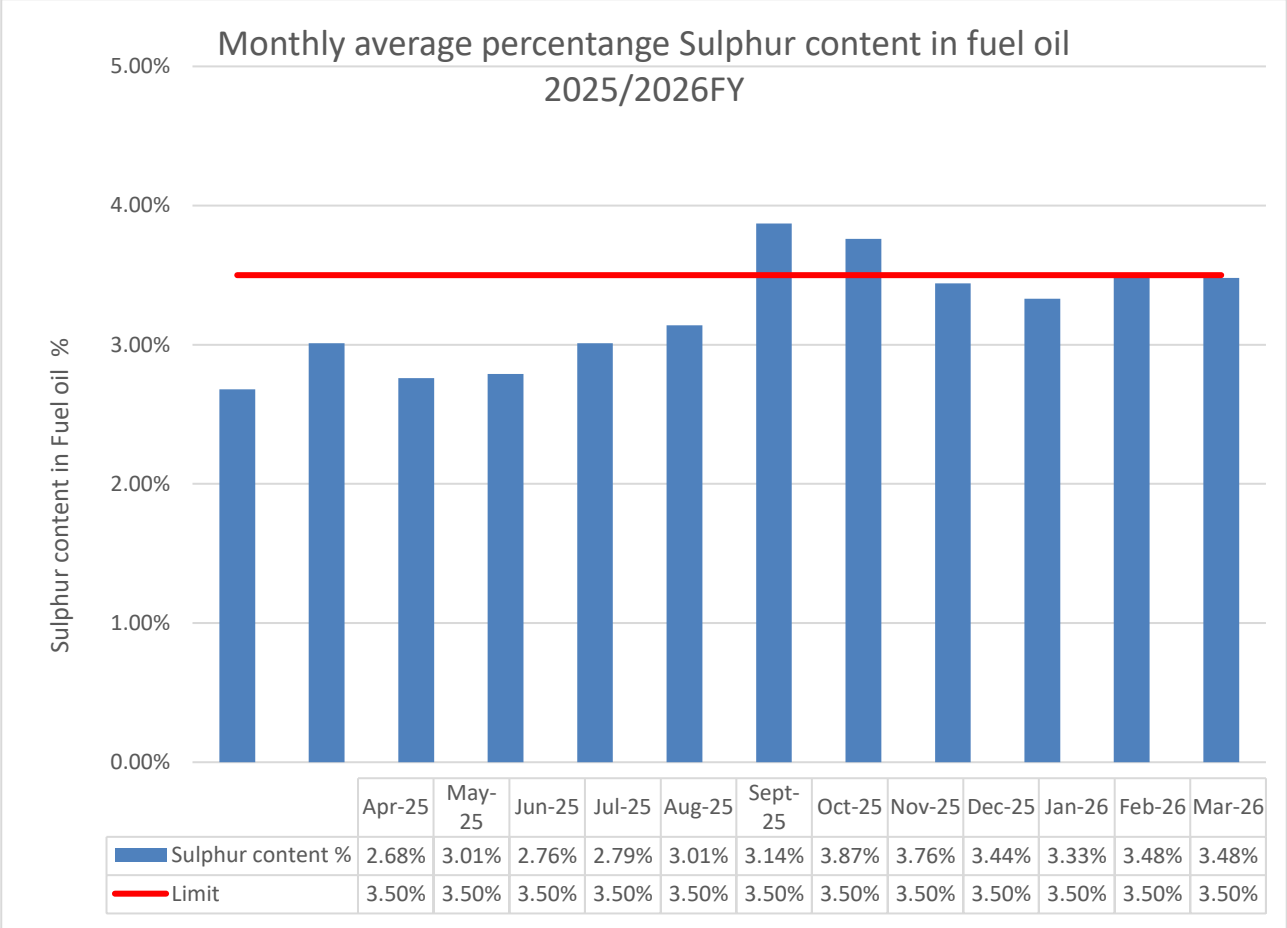
Monthly average Sulphur content of coal has remained within the specified range for 2025/2026 financial year.



	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
ash content %	32.66	33.45	33.87	33.75	32.51	34.47	33.68	31.75	32.77	32.30	32.04	30.99
Upper limit	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
Lower limit	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00

Figure 4: Ash content in coal for 2025/2026 financial year

The monthly average ash content within the coal remained within the required limits.



	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sept-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
Sulphur content %	2.68%	3.01%	2.76%	2.79%	3.01%	3.14%	3.87%	3.76%	3.44%	3.33%	3.48%	3.48%
Limit	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%

Figure 5: Sulphur content in fuel oil for 2025/2026 financial year

Sulphur content of the fuel oil has remained below the limit of 3,50% in the 2025/2026 financial year except to September 2025 and October 2025.

2.3. Emission trends

The emission tonnages in tables 3 below are that of the 2024/2025 financial year.

Table 2: General overview of emissions at Matimba Power Station 2024/2025

Power Station	Coal-fired emissions (tons/annum)	Fuel-oil emissions (tons/annum)	Total (tons/annum)
Matimba Power Station	**SO_2: 233632** **PM: 54452.87** **NO_x: 43534**	**SO_2: 1101.87**	**SO2: 233632** **PM: 54452.87** **NOx: 43534**

Table 3: Pollutant Emission Trends

Month	PM	NOx	SOx
Apr-25	8784.160	5233.000	26709.000
May-25	11741.590	4453.000	25992.000
Jun-25	5594.220	3543.000	20955.000
Jul-25	11042.580	4408.000	24760.000
Aug-25	11911.590	4919.000	28134.000
Sept-25	2048.540	4547.000	23674.000
Oct-25	482.060	4834.000	26516.000
Nov-25	335.500	3686.000	21743.000
Dec-25	318.750	3586.000	21529.000
Jan-26	294.030	3122.000	20185.000
Feb-26	259.770	3675.000	22139.000
Mar-26	417.660	3916.000	25054.000

Table 4: Total volatile organic compound emissions 2025/2026 financial year

Month	TVOC (Kg/month)
Apr-25	0.53
May-25	0.53
Jun-25	0.58
Jul-25	0.61
Aug-25	0.6
Sept-25	0.59
Oct-25	0.73
Nov-25	0.66
Dec-25	0.62
Jan-26	0.63
Feb-26	0.62
Mar-26	0.6

*Note: Total volatile organic compound emissions are calculated based on fuel oil quantities used within the specific month.

Figures 6 to 8 below illustrates the monthly tonnages of pollutants emitted in the 2025/2026 financial year.

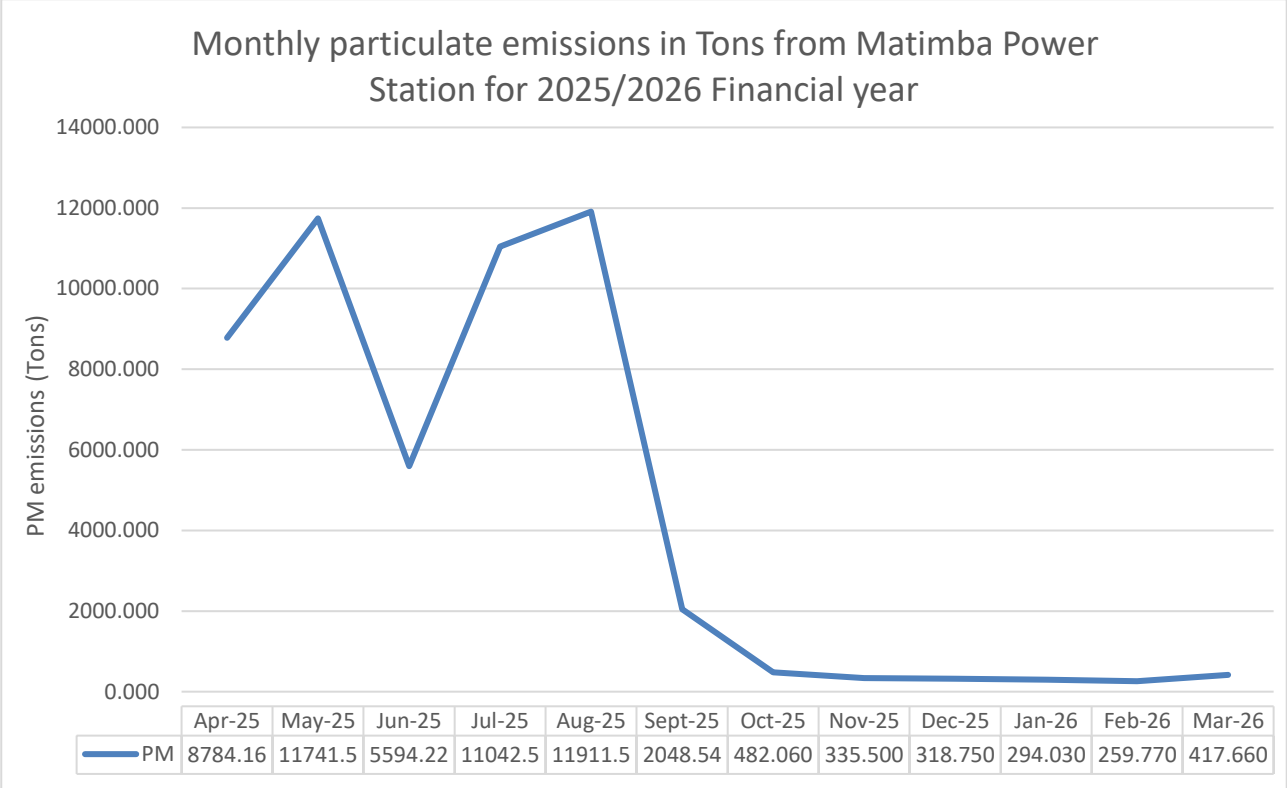


Figure 6: Monthly Particulate Emissions in tons from Matimba Power Station 2025/2026.

Matimba experienced increases in particulate emissions tonnages in the financial year 2025/2026. The station experienced challenges with the downstream ash evacuation due to the unreliability and poor performance of the ash conveyance plant. The ash conveyance plant issues lead to backlogs at the dust handling plant i.e. high hopper levels and precipitator fields trip or failure, then high emissions. The daily average limit of 50mg/Nm^3 was exceeded 823 times in the period between April 2025 and March 2026, no section 30 incidents were reported for the financial year. Corrective actions to repair defective plant areas are underway. More information on exceedances will be provided in annexure 1. Detailed daily emission concentrations are illustrated in the monthly reports submitted to your office.

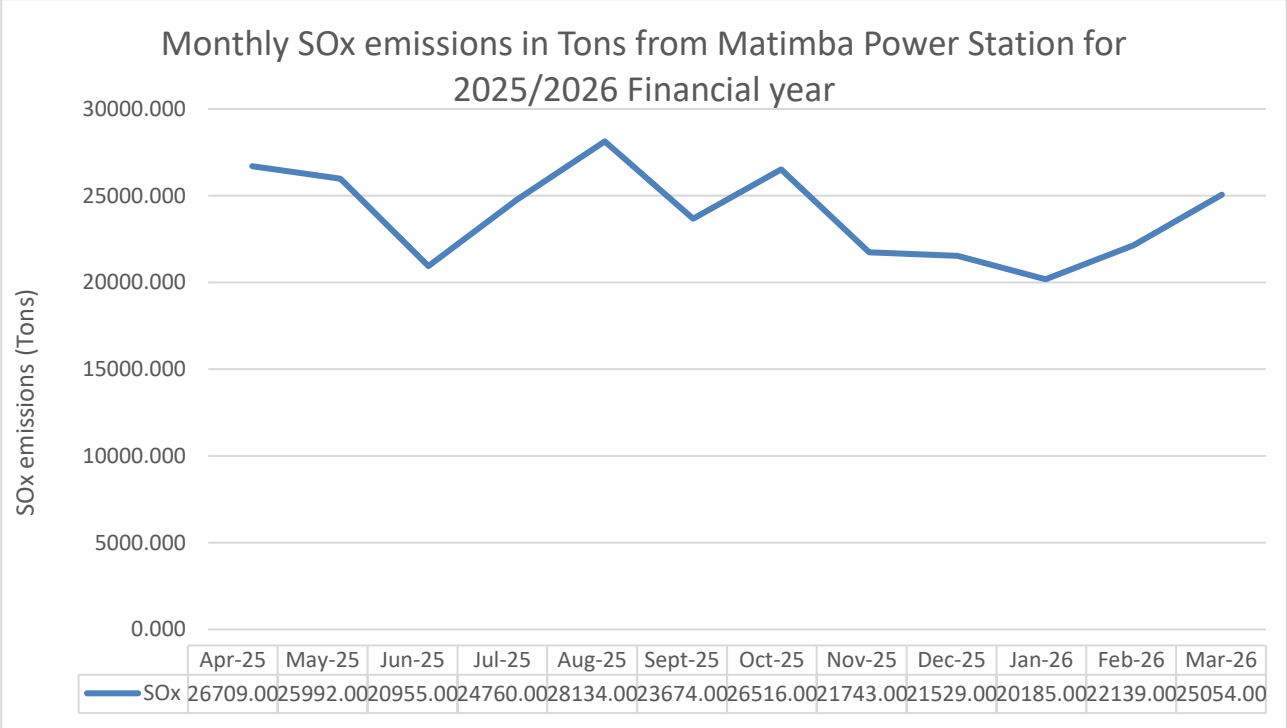


Figure 7: Monthly SO_2 Emissions in tons from Matimba Power Station 2025/2026

The reduction in SO_2 emissions from May 2025 to June and October 2025 to February 2026 was due to several units taken on outage and repairs. Occasional daily peaks were observed in the sulphur content of coal which leads to sporadic increases of the SOx emissions. Interventions such as blending high sulphur content coal with lower sulphur content coal, daily monitoring, and trending of sulphur content versus emissions is being conducted to manage the SO_2. There were no SOx daily exceedances in the reporting period. Detailed daily emission concentrations are illustrated in the monthly reports submitted to your office.

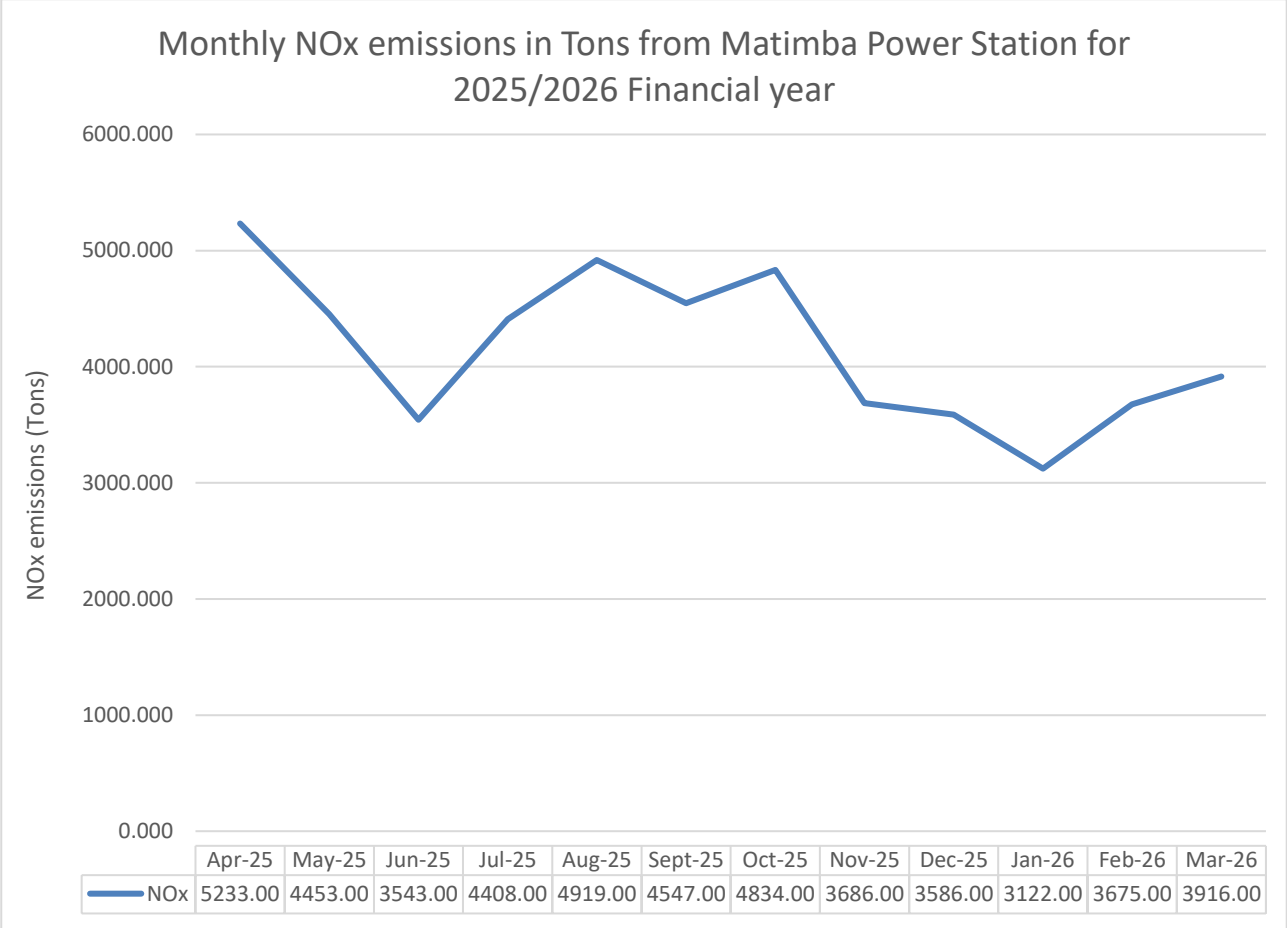


Figure 8: Monthly NO_2 Emissions in tons from Matimba Power Station 2025/2026

The decrease in Nox emissions from May 2025 to June and October 2025 to February 2026 was due to several units taken on outage and repairs There were no NOx daily exceedances in the reporting period. Detailed daily emission concentrations are illustrated in the monthly reports submitted to your office.

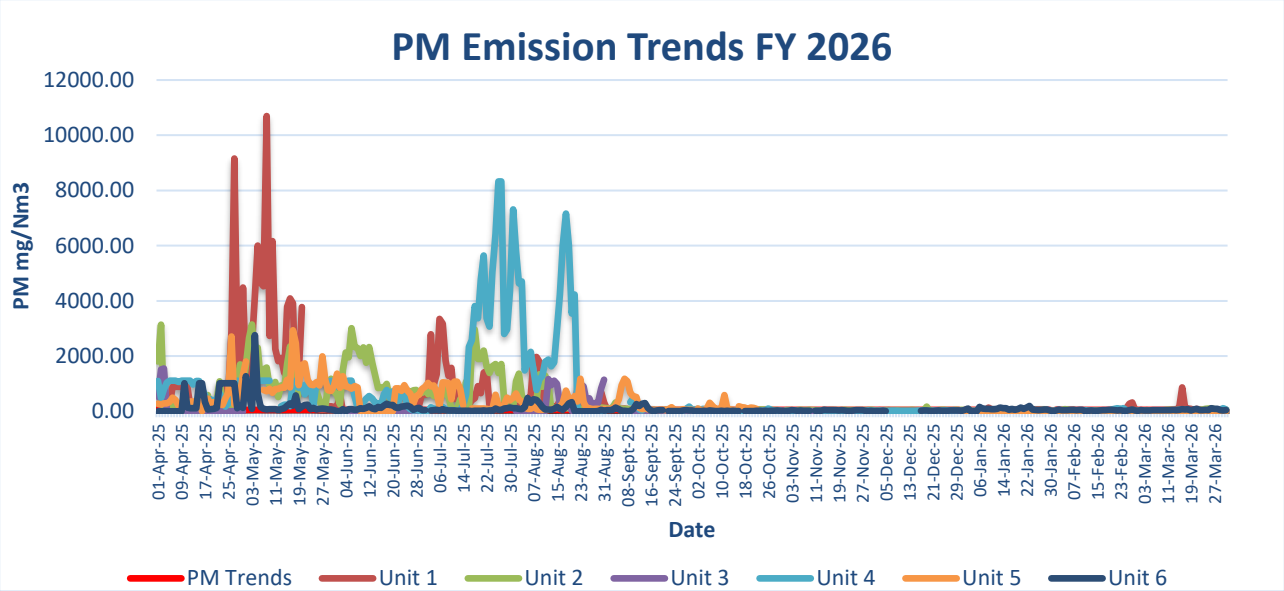


Figure 9: PM Emissions Trend in mg/Nm3 from Matimba Power Station 2025/2026.

Matimba experienced increases in particulate emissions tonnages around the first eight months of the financial year. The station experienced challenges with the downstream ash evacuation due to the unreliability and poor performance of the ash conveyance plant. The ash conveyance plant issues lead to backlogs at the dust handling plant i.e. high hopper levels and precipitator fields trip or failure, then high emissions. The daily average limit of 50mg/Nm3 was exceeded 823 times in the period between April 2025 and March 2026, no section 30 incidents were reported for the financial year. Corrective actions to repair defective plant areas are underway.

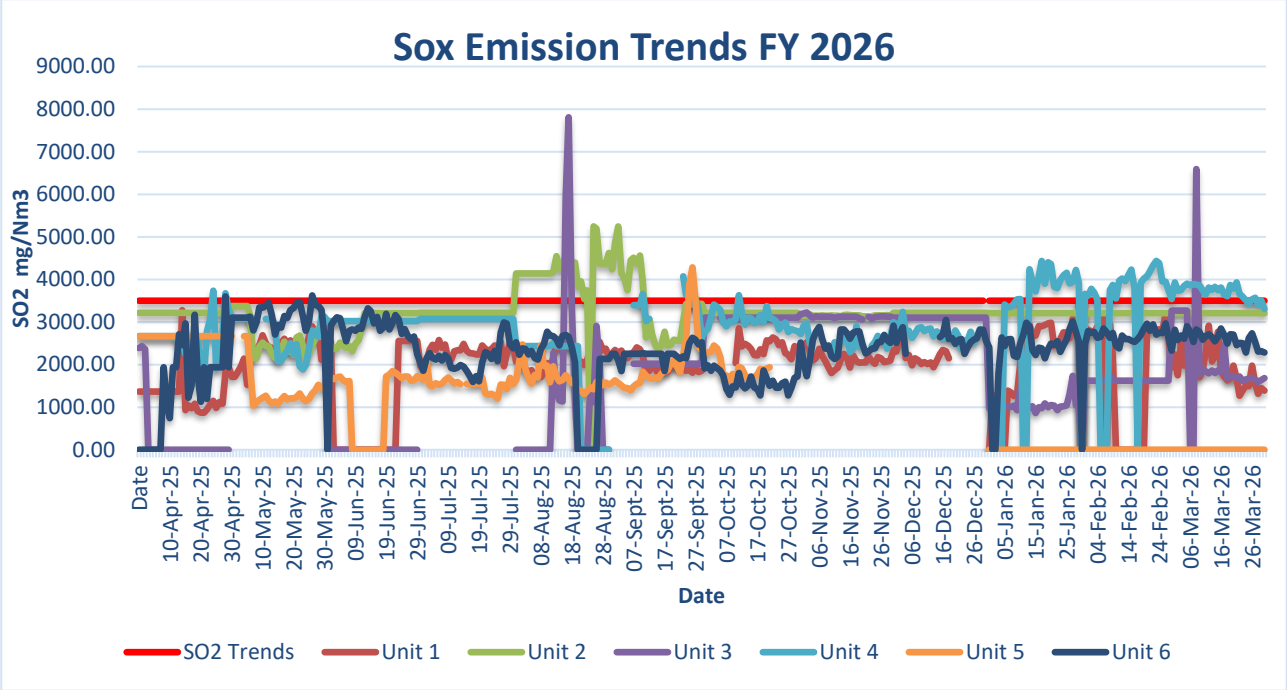


Figure 10: SOx Emissions Trend in mg/Nm3 from Matimba Power Station 2025/2026

There were sporadic daily Sox results that exceed the 3500 mg/Nm3 in the reporting period, however no monthly average exceedances of the Sox emission limit was recorded. Detailed daily emission concentrations are illustrated in the monthly reports submitted to your office.

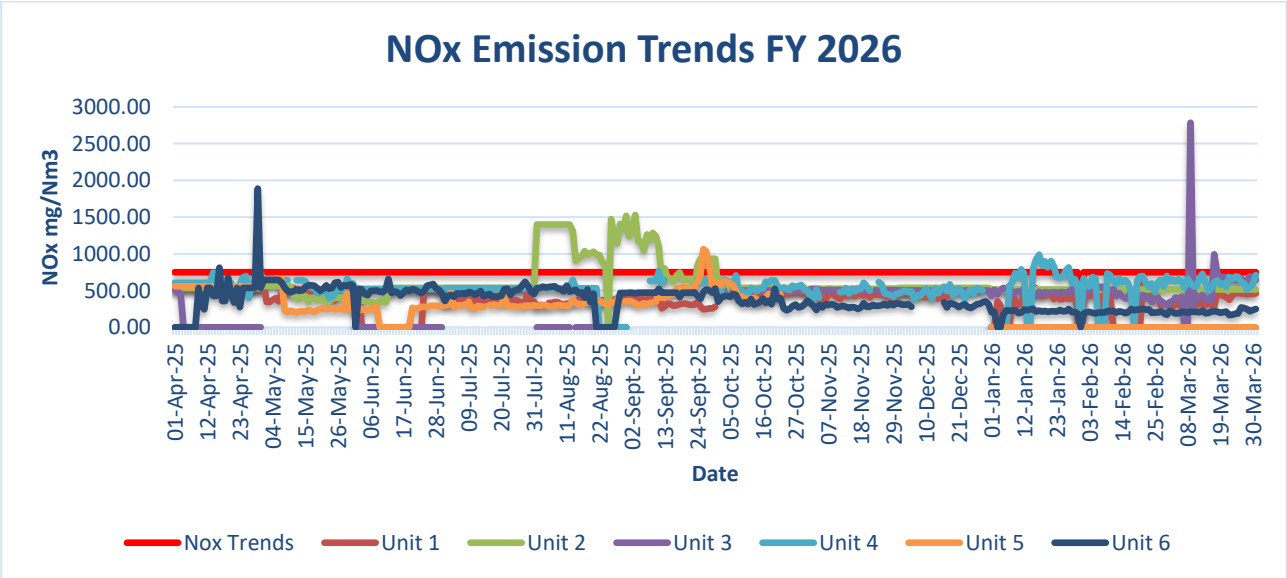


Figure 11: NOx Emissions Trend in mg/Nm3 from Matimba Power Station 2025/2026

There were sporadic daily Nox results that exceed the 750 mg/Nm3 in the reporting period, however no monthly average exceedances of the Sox emission limit was recorded. Detailed daily emission concentrations are illustrated in the monthly reports submitted to your office.

2.4. Energy sent out

Figure 9 illustrates the monthly energy sentout for the 2025/2026 financial year

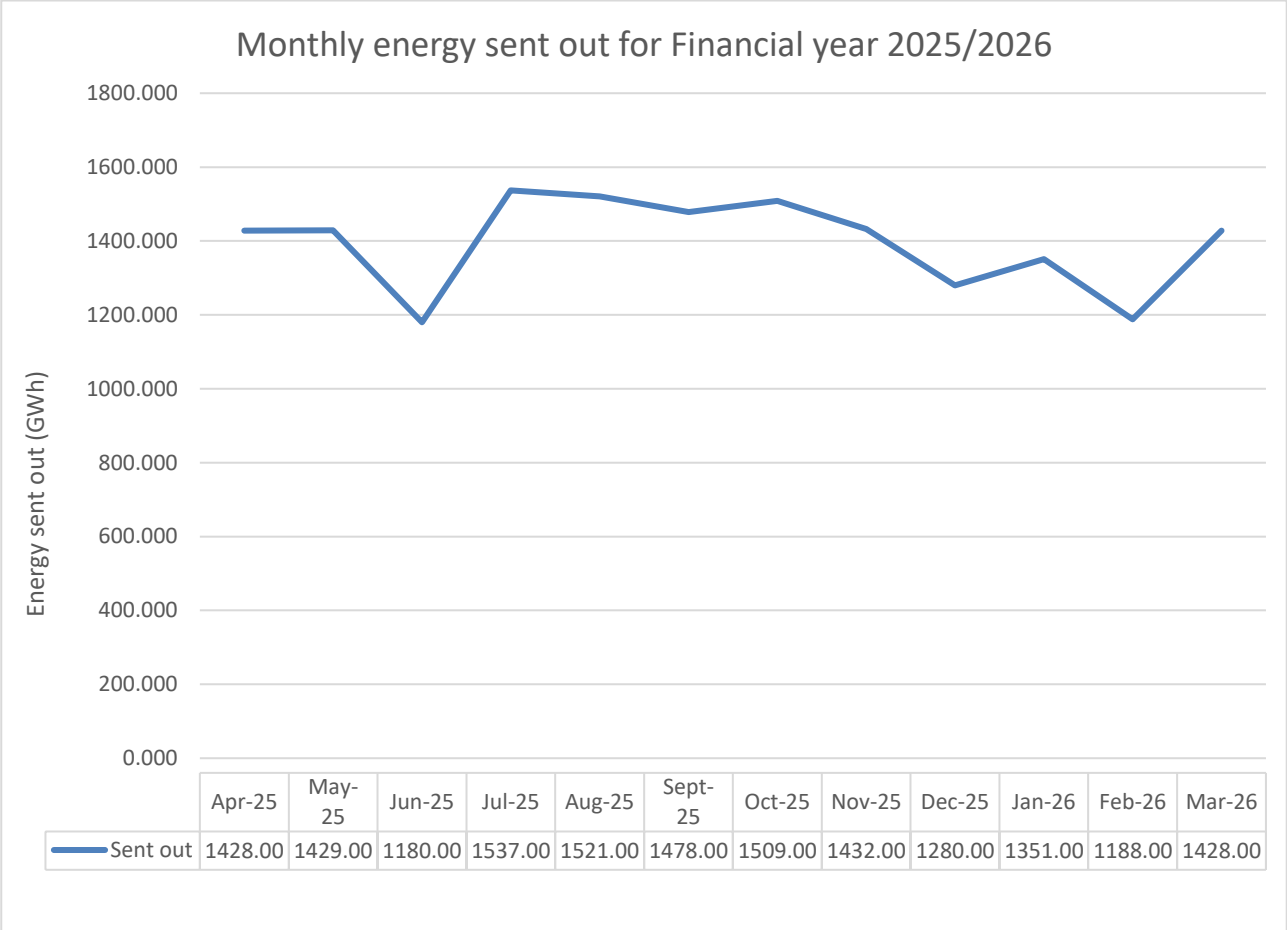


Figure 12: Monthly Energy Sent out GWh at Matimba Power Station 2025/2026

2.5. Ambient air quality monitoring

Matimba power Station monitors the effect of its emissions on the surrounding environment through an ambient air quality monitoring station located in the Marapong community. The station utilised Marapong ambient air quality monitoring station for reporting and detailed ambient monitoring reports were available and submitted to the licencing authority monthly along with the Matimba monthly emission report.

Table 5 and 6 below illustrates the compliance for the past financial year (April 2024 – March 2025) as per the National Air Quality Standards.

Ambient monitoring station availability															
	NO1	**NO2**	**NOX**	**O3**	**SO2**	**TMP**	**WDR**	**WSP**	**WVL**	**PM2.5**	**PM10**	**CO**	**HUM**	**Data Recovery**	**Station Availability**
Apr-25	78	78	78	100	100	100	100	100	100	ND	0	0	100	88	100
May-25	96	96	96	98	98	100	100	100	100	ND	98	98	100	98	98
Jun-25	53	53	53	99	99	99	99	99	99	ND	6	0	99	77	99
Jul-25	99	99	99	99	99	99	99	99	99	22	23	0	99	84	99
Aug-25	99	99	99	100	100	100	100	100	100	96	26	33	100	83	91
Sept-25	97	97	97	97	100	100	100	100	100	97	86	98	100	98	98
Oct-25	99	99	99	99	100	100	100	100	100	99	99	99	99	99	99
Nov-25	100	100	100	100	100	100	100	100	100	98	98	99	100	99	100
Dec-25	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
Jan-26	100	100	100	100	100	100	100	100	100	96	98	100	100	99	100
Feb-26	100	100	100	99	100	100	100	100	100	98	99	99	100	99	100

Mar-26	99	99	99	99	100	100	100	100	100	99	44	99	100	96	100
Average	93	93	93	99	99	100	100	100	100	89	64	68	99	93	98

*ND = No Data

Table 5: Ambient Monitoring station availability

Average data recovery was below the required 90% for all the Months of 2024/2025 financial year.

Table 6: National Ambient Air Quality Limits exceedances

Number of exceedances of the National Ambient Air Quality Limits							
	SO2 10-minute	SO2 hourly	SO2 daily	NO2 hourly	PM2.5 daily	CO hourly	O3 8-hourly
Apr-25	0	0	0	0	ND	ND	0
May-25	0	0	0	0	ND	ND	1
Jun-25	0	0	1	0	ND	ND	0
Jul-25	0	5	4	0	4	ND	0
Aug-25	0	0	0	0	1	0	44
Sept-25	0	0	0	0	11	0	68
Oct-25	0	0	0	0	2	0	37
Nov-25	0	0	0	0	0	0	17
Dec-25	0	0	0	0	0	0	0
Jan-26	0	0	0	0	0	0	0
Feb-26	0	0	0	0	0	0	0
Mar-26	0	0	0	0	0	0	20

*ND= No Data

The number of exceedances of the PM_{10}, , $PM_{2.5}$, SO_2 and O_3 daily limits has exceeded their allowed number of exceedances per year.

2.6. CEMS monitoring data availability/reliability.

Summary to put into annual report						
	Unit 1	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Unit 6**
PM (%)	77.34	75.83	70.09	75.23	36.14	87.06
SO_2 (%)	94.86	93.02	76.80	90.77	54.30	88.02
NO_x (%)	93.67	94.81	75.13	82.59	57.06	86.98
CO_2 (%)	100.00	100.00	75.10	100.00	49.78	99.25

Table 7: Monitoring data availability for Matimba Power Station 2025/2026

From the 18 December 2024 the station experienced and incident on the station service air failure which resulted in water ingress in the flue gas stack system that caused damaged to the gaseous monitors. The gaseous monitors for all unit were experiencing constant defects caused by the water ingress incident from the previous year and surrogate values obtained from the parallel/QAL 2 tests were used to calculate the emissions and the monitors reliability during the months where the monitor was operating optimally. The average monitor availability for the 2025/2026 financial year was above 80% for the units,1,2,4 and 6. The low monitor reliability for the PM monitors for all units was caused by the monitor maxing out during the period when the station was experiencing the high dust emissions on the units due to challenges experienced with the downstream ash evacuation due to the unreliability and poor performance of the ash conveyance plant.

2.7. Greenhouse gas emissions

Greenhouse Gas Reporting shall be done in accordance with the National Greenhouse Gas Reporting Regulations

2.8. Results of spot measurements or correlation tests:

Table 8: Dates of last conducted CEMS Spot verification tests for PM, SO2 and NOx for unit 5.

Name of service provider:		Levego Environmental services		
Address of service provider:		Building R6 Pineland site Ardeer Road Modderfontein 1645		
Stack/ Unit	**PM**	**SO_2**	**NOx**	**CO_2**
5	2023/08/05 07:30	2023/08/05 07:30	2023/08/05 07:30	2023/08/05 07:30

Table 9: Dates of last full conducted CEMS verification tests for PM for unit 2, unit 3 and 4 only

Name of service provider:		Levego Environmental services		
Address of service provider:		Building R6 Pineland site Ardeer Road Modderfontein 1645		
Stack/ Unit	**PM**	**SO_2**	**NOx**	**CO_2**
2	2024/07/02 08h50	2024/07/02 12h35	2024/07/02 12h35	2024/07/02 12h35
3	2024/06/23 16h34	2024/06/23 14h00	2024/06/23 14h00	2024/06/23 14h00
4	2024/06/29 16h05	2024/06/29 11h00	2024/06/29 11h00	2024/06/29 11h00

Table 10: Dates of last full conducted CEMS verification tests for PM for unit 1 and 6 only

Name of service provider:		Inthuu Measurement		
Address of service provider:		2/410 Seventh Road Bredell Kepton park 1619		
Stack/ Unit	**PM**	**SO_2**	**NOx**	**CO_2**
1	2025/09/22 17:22	2025/08/16 16h21	2025/08/16 16h21	2025/08/16 16h21
6	2025/10/01 17h30	2025/08/13 16h26	2025/08/13 16h26	2025/08/13 16h26

2.9. Action taken addressing complaints.

Source Code/ Name	**Root Cause Analysis**	**Calculation of Impacts/ emissions associated with the incident**	**Dispersion modelling of pollutants where applicable**	**Measures implemented to prevent reoccurrence**	**Date by which measure will be implemented**

None					

2.10

3.10 Summary of exceedances of emission limits

Refer to Annexure 1 - AEL exceedance reporting tool 2024/2025

2.11 NAEIS reporting.

Matimba Power Station has submitted all emission data On the NAEIS system before the 30th of March 2026 and still awaiting auditing feedback from the DEFF system administrators.

Declaration of accuracy

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

I hereby declare the following:

- Normal operating conditions were maintained during emission tests.
- The information in this report is correct

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JLJ van Renburg

GENERAL MANAGER: MATIMBA POWER STATION

Appendix 1: Yearly Emission Exceedances April 2025 -March 2026

	Exceedance			Exceedance within Grace Period			S.30 Reportable Exceedance			Non-Compliance (i.e. not a			CEMS Issues			Unaccounted Balance		
	PM	SO2	NOX	PM	SO2	NOX	PM	SO2	NOX	PM	SO2	NOX	PM	SO2	NOX	PM	SO2	NOX
Apr-25	143	0	0	-3	0	0	0	0	0	-140	0	0	0	0	0	0	0	0
May-25	140	0	0	-2	0	0	0	0	0	-133	0	0	0	0	0	0	0	0
Jun-25	108	0	0	-5	0	0	0	0	0	-103	0	0	0	0	0	0	0	0
Jul-25	123	0	0	-13	0	0	0	0	0	-110	0	0	0	0	0	0	0	0
Aug-25	146	0	0	-9	0	0	0	0	0	-137	0	0	0	0	0	0	0	0
Sept-25	65	0	0	-22	0	0	0	0	0	-43	0	0	0	0	0	0	0	0
Oct-25	46	0	0	-17	0	0	0	0	0	-29	0	0	0	0	0	0	0	0
Nov-25	3	0	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec-25	3	0	0	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan-26	4	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb-26	9	0	0	-5	0	0	0	0	0	-4	0	0	0	0	0	0	0	0
Mar-26	33	0	0	-21	0	0	0	0	0	12	0	0	0	0	0	0	0	0
Summary	**823**	**0**	**0**	**-107**	**0**	**0**	**0**	**0**	**0**	**-687**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**