Ms Tebogo Mogakabe
Manager: Municipal Environmental Services
Gert Sibande District Municipality
PO BOX 1748
ERMELO
2350

Date:
25 May 2026

Enquiries: William Malapane
Tel +27 17 799 2047

Dear Ms Mogakabe,

MAJUBA POWER STATION ANNUAL EMISSIONS REPORT FOR THE 2025/2026 FINANCIAL YEAR

This serves as the annual report which is required in terms of Section 7.6 of Majuba Power Station's Atmospheric Emission License (AEL License No. Dr PKI Seme/Eskom H SOC Ltd/ MPS/0014/2025/F05. The emissions data reported is for Majuba's (hereafter referred to as "the station") 2025/2026 Financial Year (FY), from 1 April 2025 to 31 March 2026 and includes verified emissions figures of particulate matter (PM), SO_2 and NO_x (as NO_2). CO_2 and O_2 are excluded as per the agreement between Eskom and DFFE.

A. LOCATION AND EXTENT OF THE PLANT

Table 1: Facility Address

Physical Address of the Premises	Between Amersfoort and Volksrust towns, Volksrust, 2470
Description of Site (Erf)	Farm Roodekoppies 67HS, Mezig No. 70HS, Holfontein 80HS and Witkoppies No. 81HS
Coordinates of Approximate Centre of Operations	Latitude: -27.0999°S Longitude: 29.771194°E
Extent (km²)	15
Elevation Above Mean Sea Level (m)	1 740
Province	Mpumalanga
Metropolitan/District Municipality	Gert Sibande District Municipality
Local Municipality	Dr Pixley Ka Isaka Seme Local Municipality
Designated Priority Area	Highveld Priority Area

Table 2: Listed activities as per the station's AEL

Category of Listed Activity	Sub-category of the Listed Activity	Listed Activity Name	Description of the Listed Activity
Category 1	Sub-category 1.1	Solid Fuel Combustion Installations	Solid fuel combustion installations used primarily for steam raising or electricity generation

Category 1	Sub-category 1.4	Gas Combustion Installation	Gas combustion (including gas turbines burning natural gas) used primarily for steam raising or electricity generation
Category 2	Sub-category 2.4	Storage of Petroleum Products	Petroleum products storage tanks and product transfer facilities, except those used for liquefied petroleum gas
Category 5	Sub-category 5.1	Storage and handling of ore and coal	Storage and handling of ore and coal not situated on a premises of a mine or works as defined in the Mines Health and Safety Act 29/1996.

B. DETAILS OF THE ACCREDITED MEASUREMENT SERVICE PROVIDER

Table 3: Levego Environmental Services Details

Name	Levego Environmental Services
Physical Address	Building R6, Pinelands Site, Ardeer Rd, Modderfontein, 1645.
SANAS Accreditation No	T0846

C. STATUS OF STRATIFICATION (PARALLEL AND CORRELATION) TESTS

The results of the most recent tests will be attached as annexures to this report wherein date and time of the tests are included. All tests are still within the stipulated timeframe as tabulated below.

Table 4: Parallel and Correlation Test Dates and Validity

Unit	Current Correlation test completion date	Correlation Curve expiry date	Planned correlation test date	Current validity
1	24 March 2026	24 March 2028	24 December 2027	Valid
2	10 February 2026	10 February 2028	10 November 2027	Valid
3	15 February 2026	15 February 2028	15 November 2027	Valid
4	24 October 2024	24 October 2026	24 July 2026	Valid
5	26 February 2026	26 February 2028	26 November 2027	Valid
6	23 August 2025	23 August 2027	23 May 2027	Valid
Gaseous Parallel Test				

1	10 May 2025	10 May 2027	10 February 2027	Valid
2	02 December 2025	02 December 2027	02 September 2027	Valid
3	20 September 2024	28 September 2026	20 June 2026	Valid
4	28 February 2025	28 February 2027	28 November 2026	Valid
5	07 April 2025	07 April 2027	07 January 2027	Valid
6	23 August 2025	23 August 2027	23 May 2027	Valid

Sampling Methods used: Parallel Tests

The following sampling methods were used in accordance with Annexure 2 of the NEM: AQA Listed Activities (GN 893 of 2013):

Table 5: Sampling methods used in parallel tests.

Compound	Method	Comment
Combustion gases	Using the Horiba PG 250 Portable gas analyzer (SRM)	
O_2	Based on USEPA Method 3A - Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure)	Zirconium cell measuring principle
CO_2		NDIR measuring principle
CO	Based on USEPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources	NDIR measuring principle
SO_2	Based on USEPA Method 6C - Determination of Sulphur Dioxide Emissions from Stationary Sources (Instrumental Analyzer Procedure)	NDIR measuring principle
NOx	Based on USEPA Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)	Chemiluminescence measuring principle
Moisture (H_2O)	Base on USEPA Method 4- Determination of moisture content in stack gases	-
Report format	BS EN 15259:2007 - Air quality. Measurement of stationary source emissions. Measurement strategy, measurement planning, reporting and design of measurement sites	-
Variability test	Based on BS EN 14181: 2014	CEMS Review Template V16.2018
Calibration functions		

Sampling Methods used: Correlation tests

The following sampling methods were used in accordance with Annexure 2 of the NEM: AQA Listed Activities (GN 893 of 2013):

Table 6: Sampling methods used in correlation tests

Compound	Method	Comment
Particulate Matter	Based on ISO 9096: 2003 Stationary source emissions - Manual Determination of mass concentration of particulate matter.	-
Low mass concentrations	Based on BS EN 13284-1:2002 Stationary source emissions — Determination of low range mass concentration of dust — Part 1: Manual gravimetric method	Based on ISO 9096 with additional requirements on the filter preparation and procedures before and after the tests.
Velocity	Based on USEPA Method 2 - Velocity - Pitot tube	Std-type Pitot.
Correlation function	VDI 2066, Part 4	In particular giving the 75% Tolerance and 95% Confidence bands.

D. OPERATING CONDITIONS DURING EMISSION TESTS

The Station declares that normal operating conditions were maintained during the emissions tests.

E. NEM: AQA SECTION 21 POLLUTANT EMISSION TREND FOR LISTED ACTIVITY

The emissions in the tables and graphs below are for the 2025/2026 financial year.

Table 7: Summary of total emissions at Majuba Power Station 2025/2026 FY

Power Station	Coal-fired emissions (tons/annum)	Fuel-oil emissions (tons/annum)	Total (tons/annum)
Majuba Power Station	**PM:** 2 135, 46 **SO_2**: 262 498.9 **NOx:** 126 846	**PM: -** **SO_2:** **NOx: -**	**PM:** 2 135, 46 **SO_2**: 262 498.9 **NOx:** 126 846

Table 8: Pollutant Emission Trends for 2025/2026 FY

Month	PM (tons)	SO_2 (Tons)	NO_x (Tons)
April 2025	188.28	19 939	10407.0
May 2025	263.2	24203	13052
June 2025	295.7	29494	14750
July 2025	218.1	29999.0	14502.0
August 2025	106.5	15671.0	8168.0
September 2025	95.0	17737.0	7 570
October 2025	142.5	24441.0	10511.0
November 2025	126.5	18750.0	8172.0
December 2025	198.0	19795.9	10420.0
January 2026	122.64	22037.0	9683.0
February 2026	130.92	18 563	9 586
March 2026	248.27	20067.0	11 503

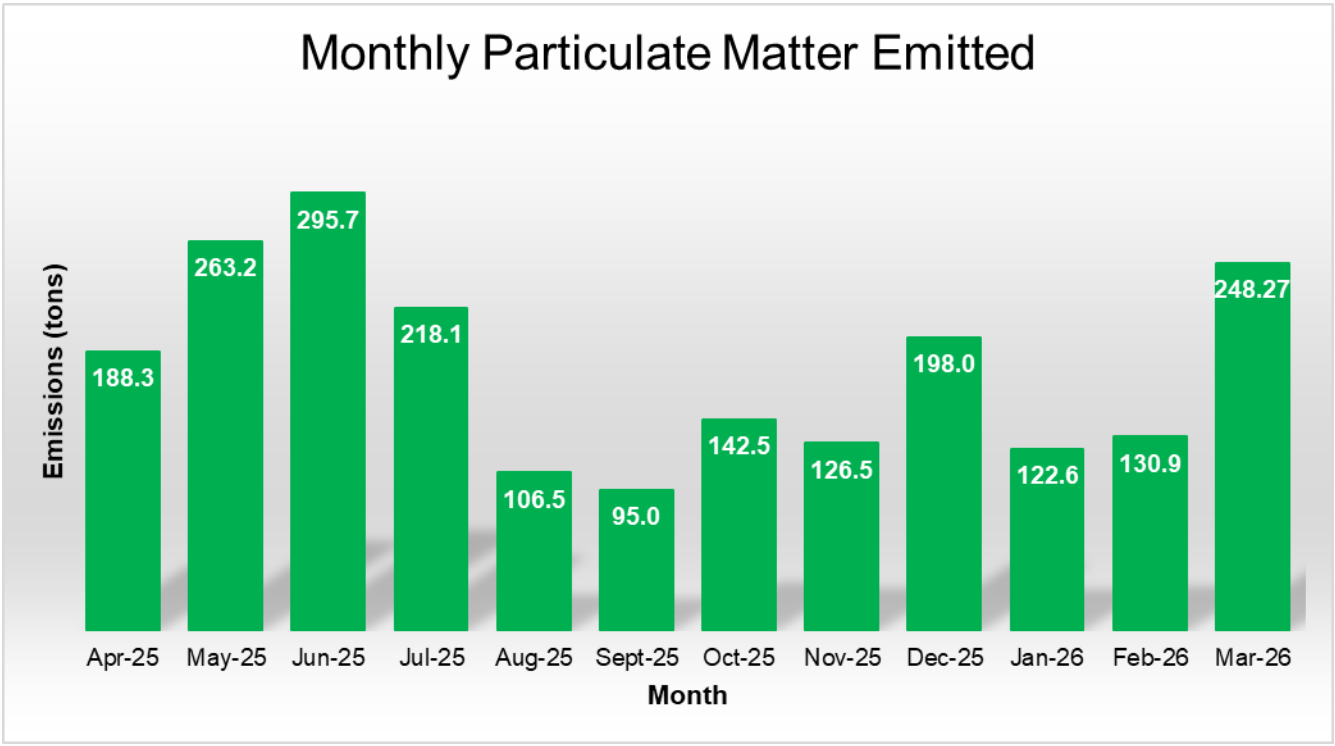

Figure 1: Monthly Particulate Emissions in tons for FY2025/2026

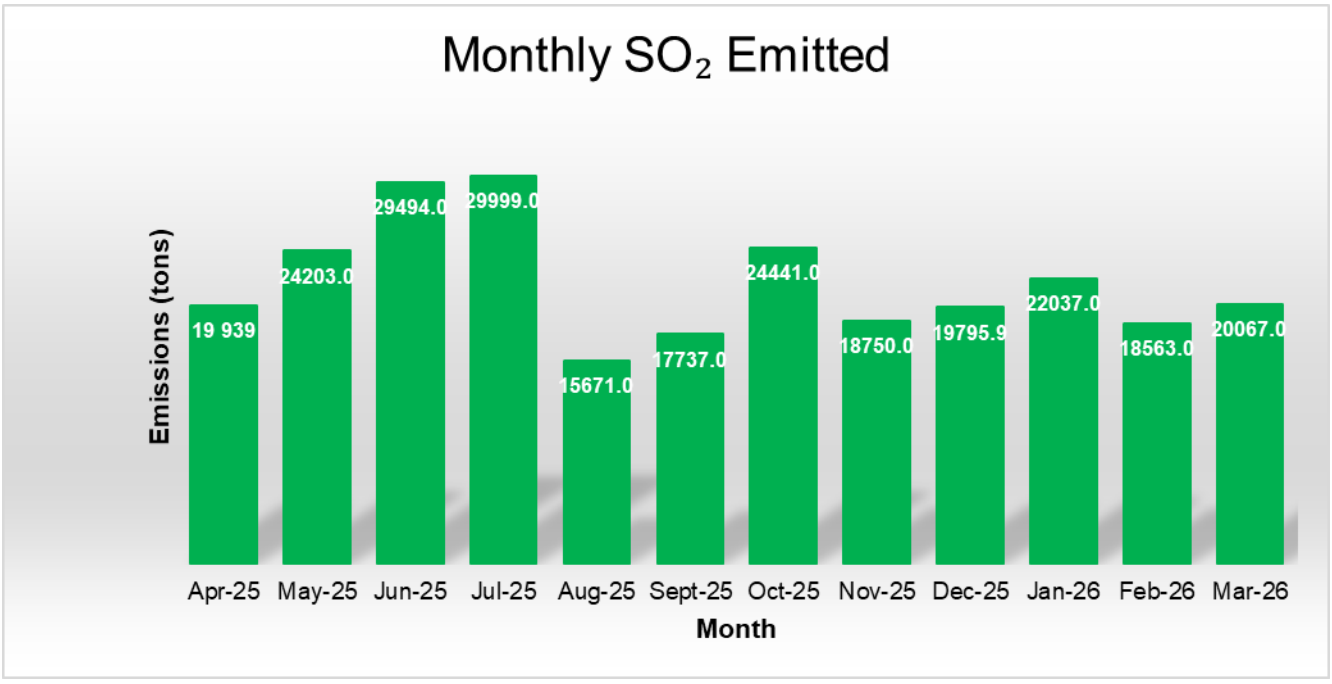

Figure 2: Monthly SO_2 Emissions in tons from Majuba FY2025/2026

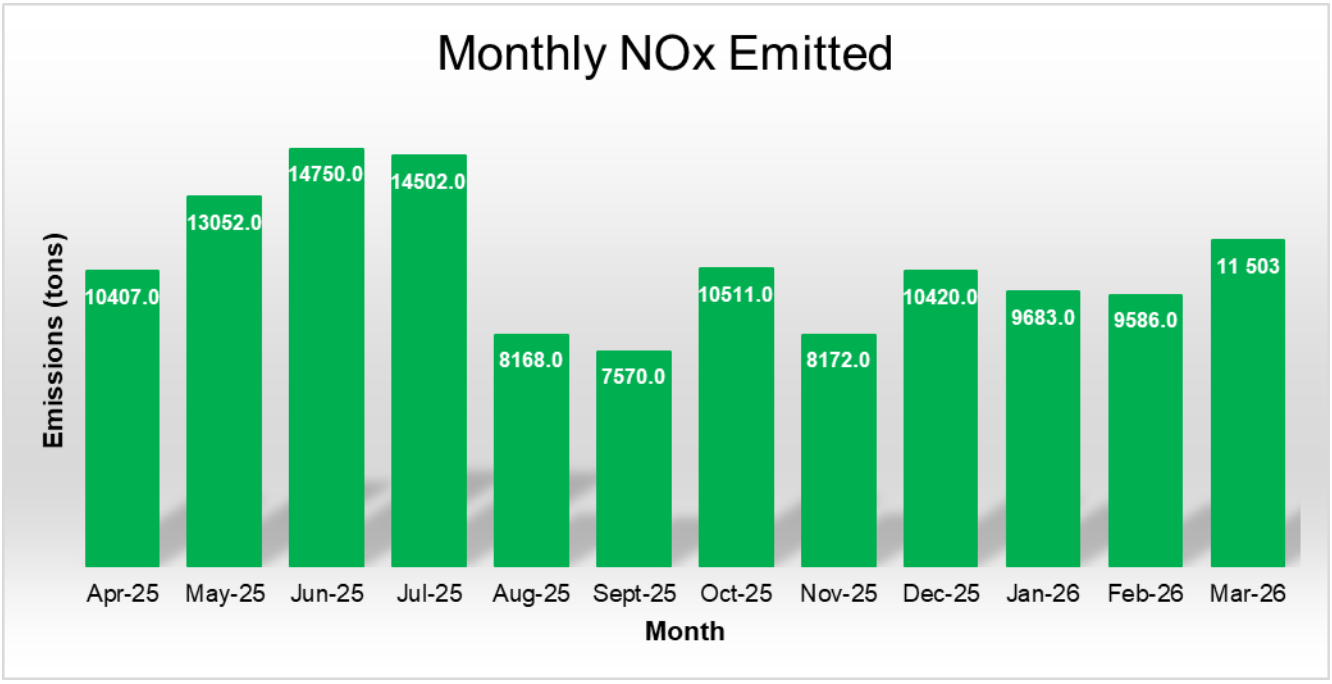

Figure 3: Monthly NOx Emissions in tons for FY2025/2026

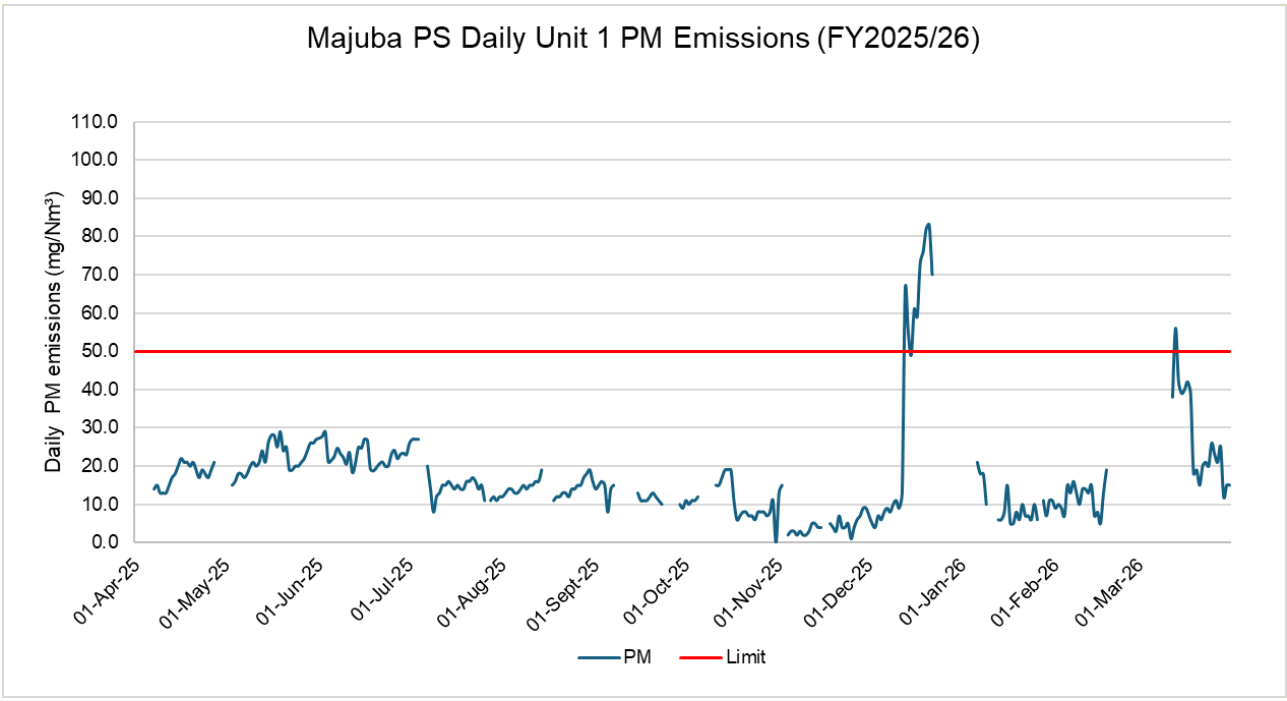

Figure 4: Unit 1 daily Particulate Matter emissions for FY2025/2026

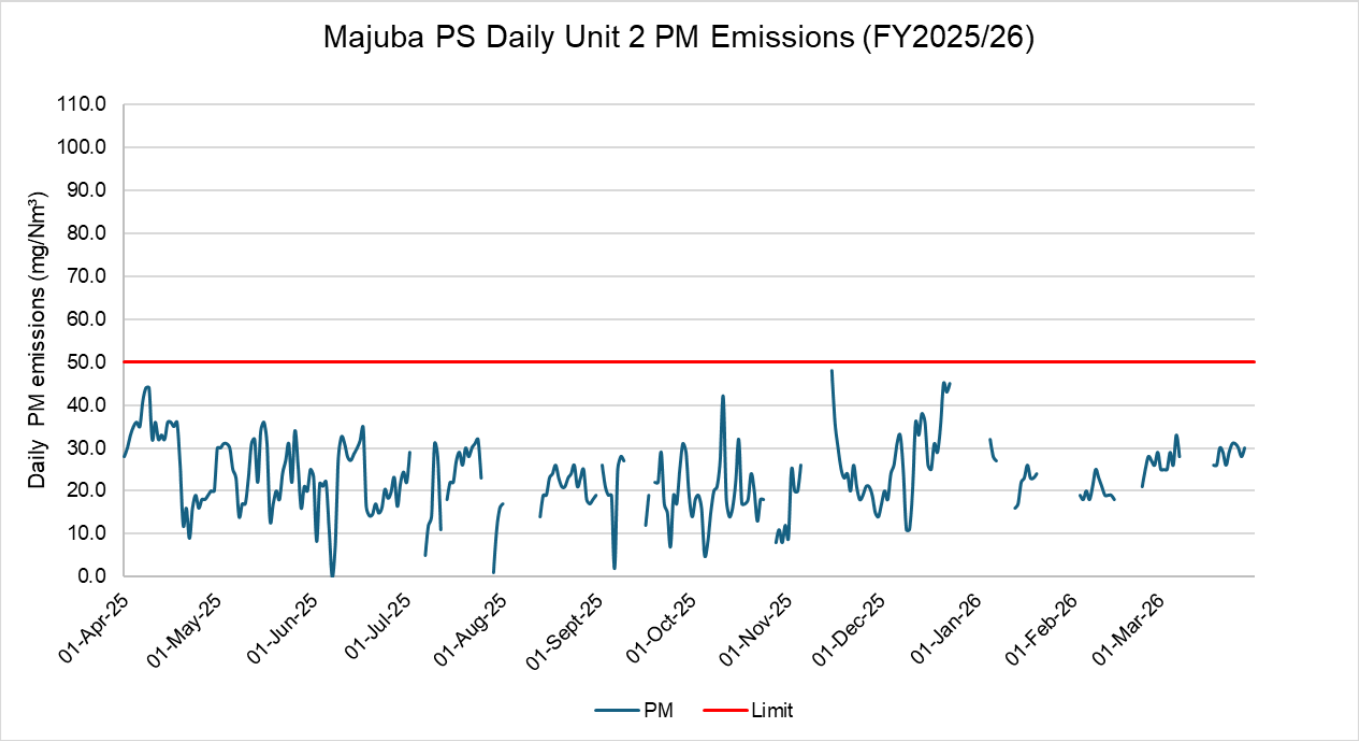

Figure 5: Unit 2 daily Particulate Matter emissions for FY2025/2026

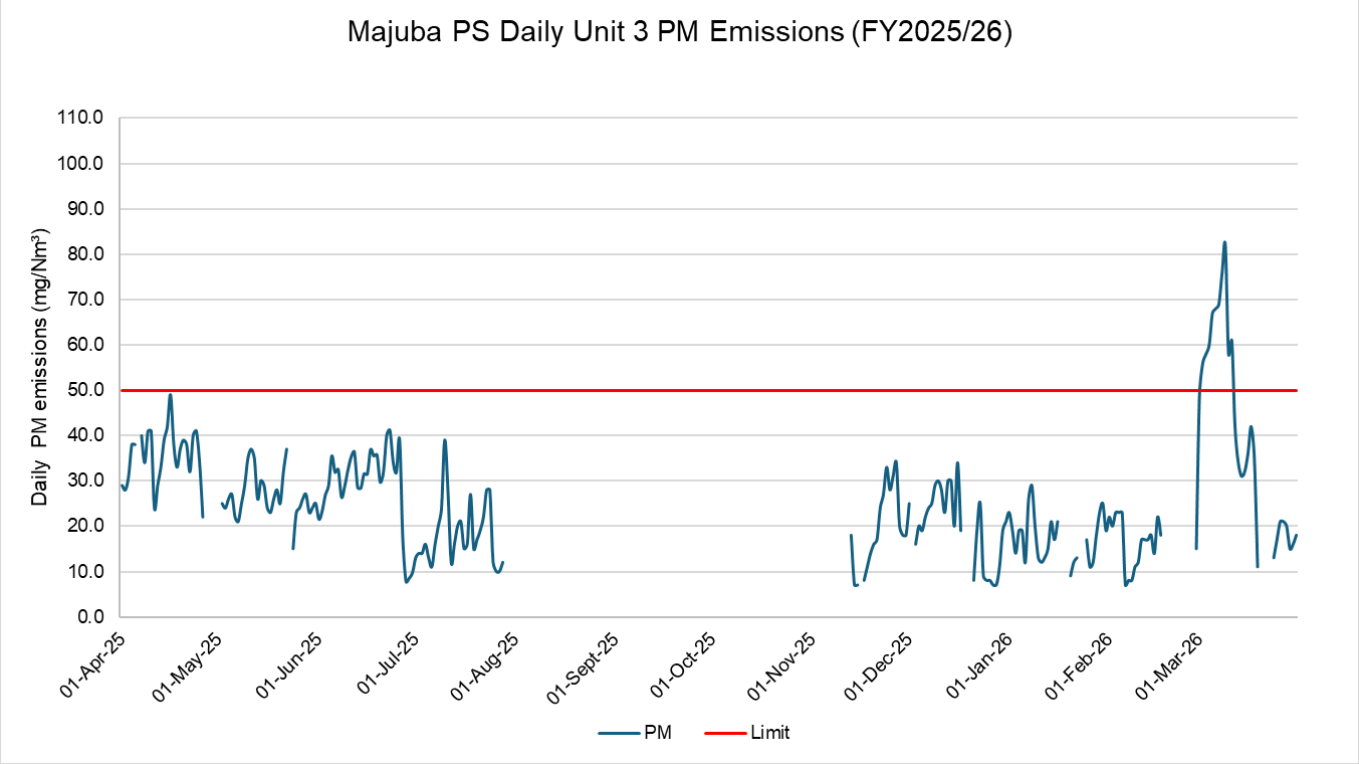

Figure 6: Unit 3 daily Particulate Matter emissions for FY2025/2026

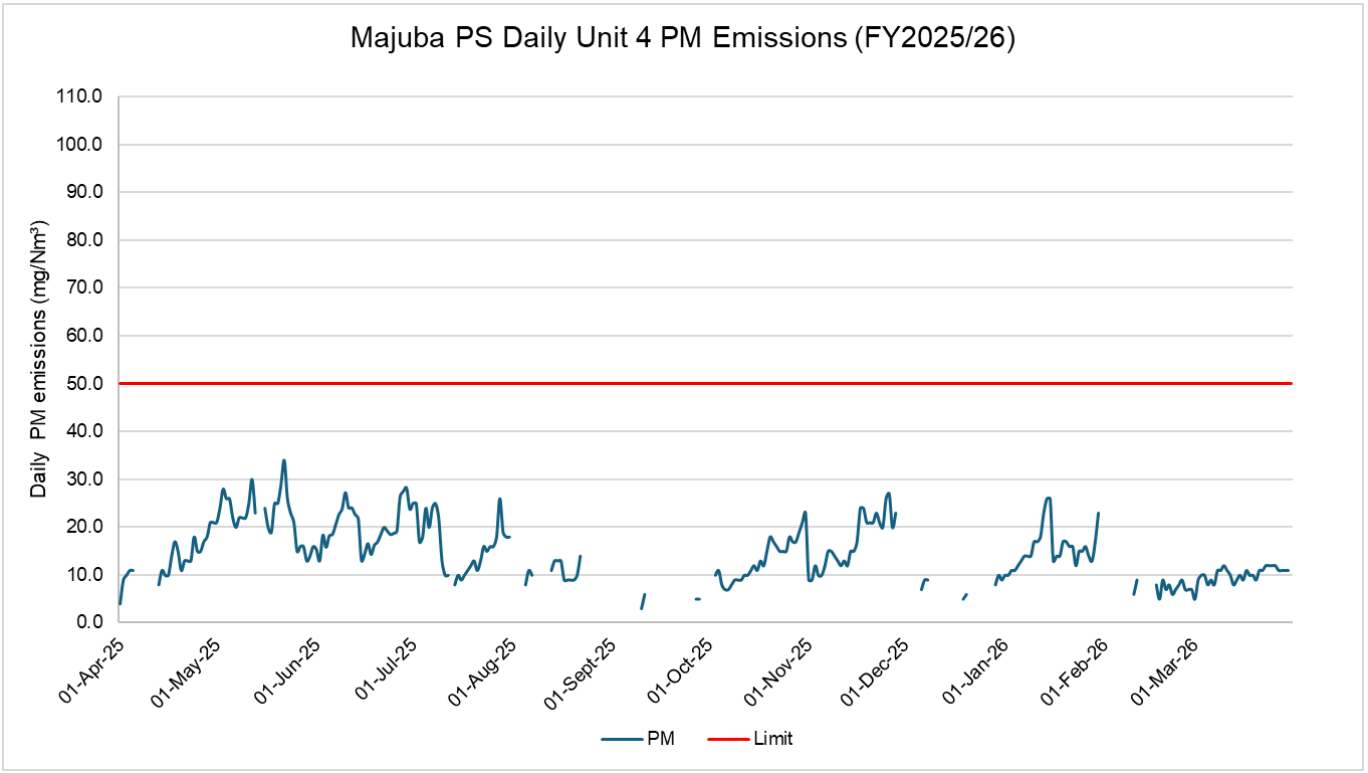

Figure 7: Unit 4 daily Particulate Matter emissions for FY2025/2026

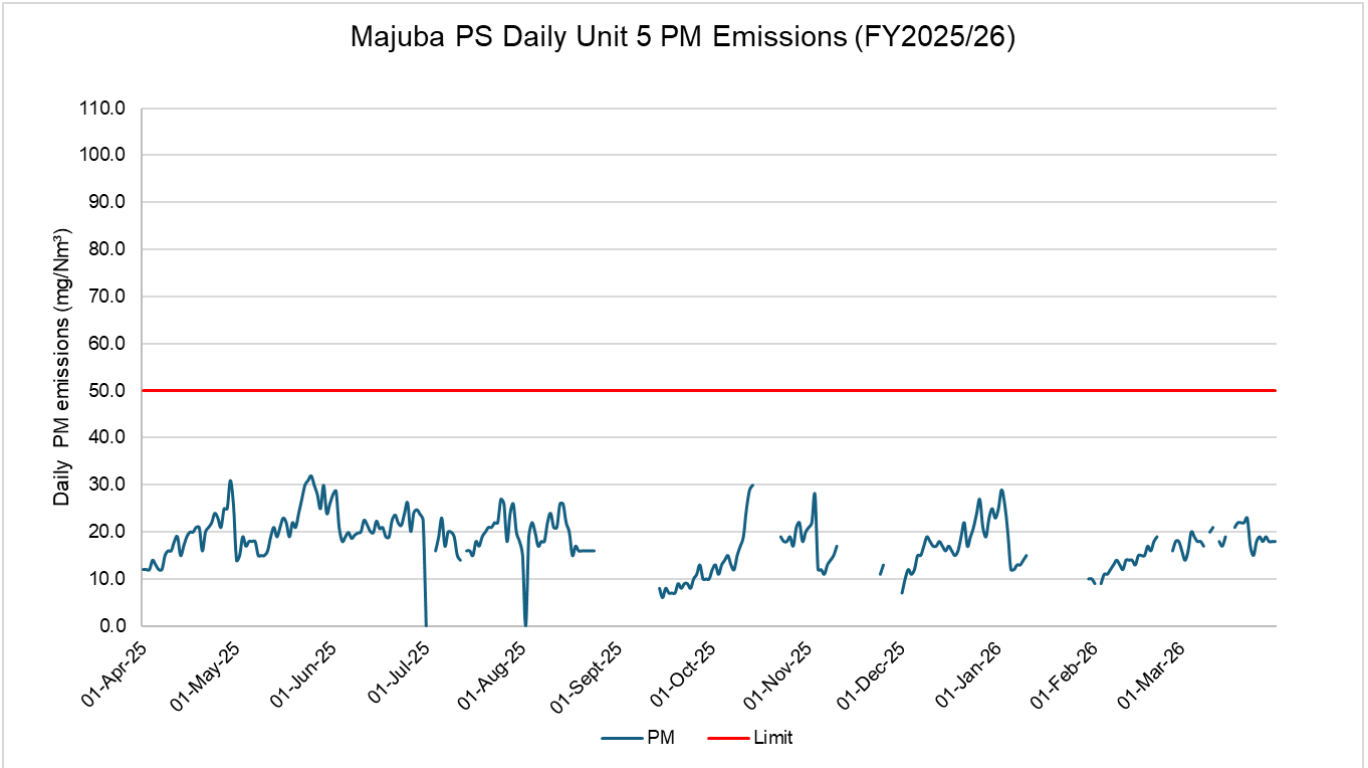

Figure 8: Unit 5 daily Particulate Matter emissions for FY2025/2026

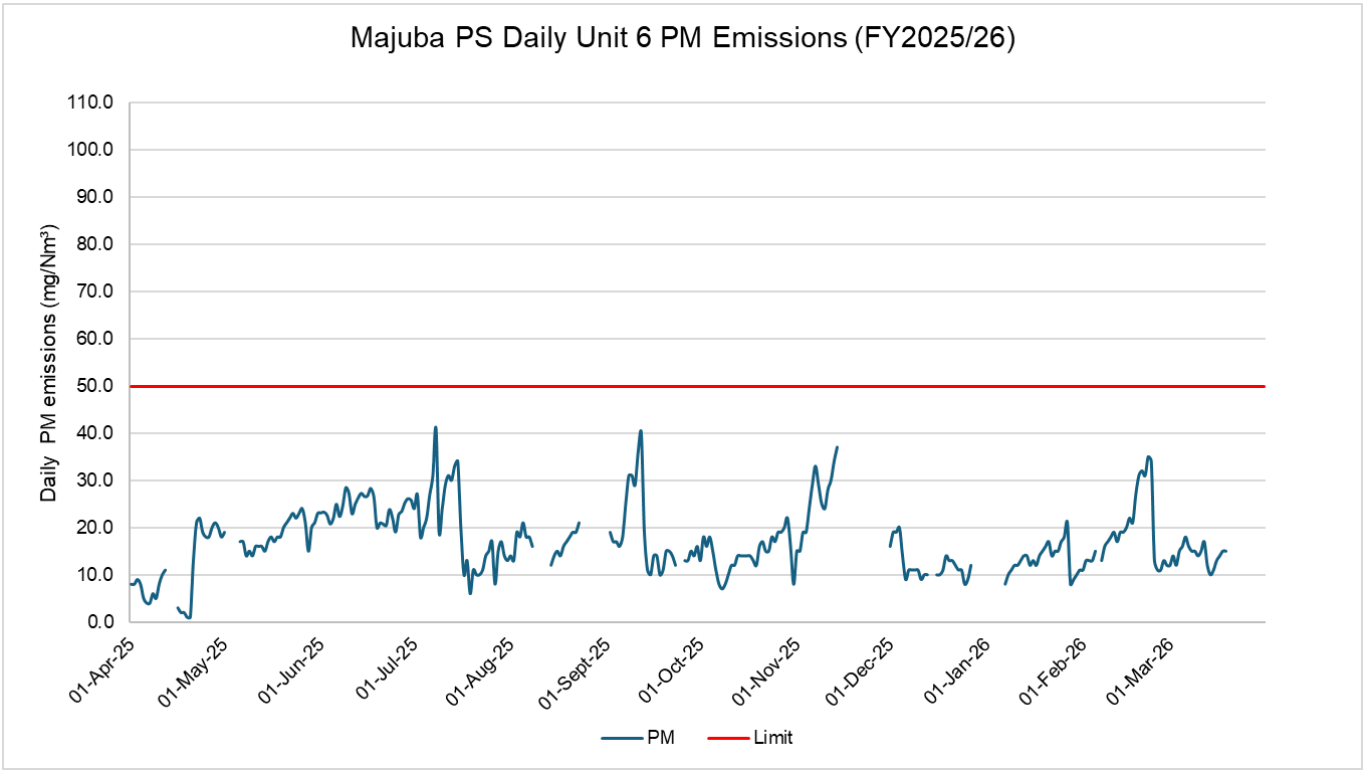

Figure 9: Unit 6 daily Particulate Matter emissions for FY2025/2026

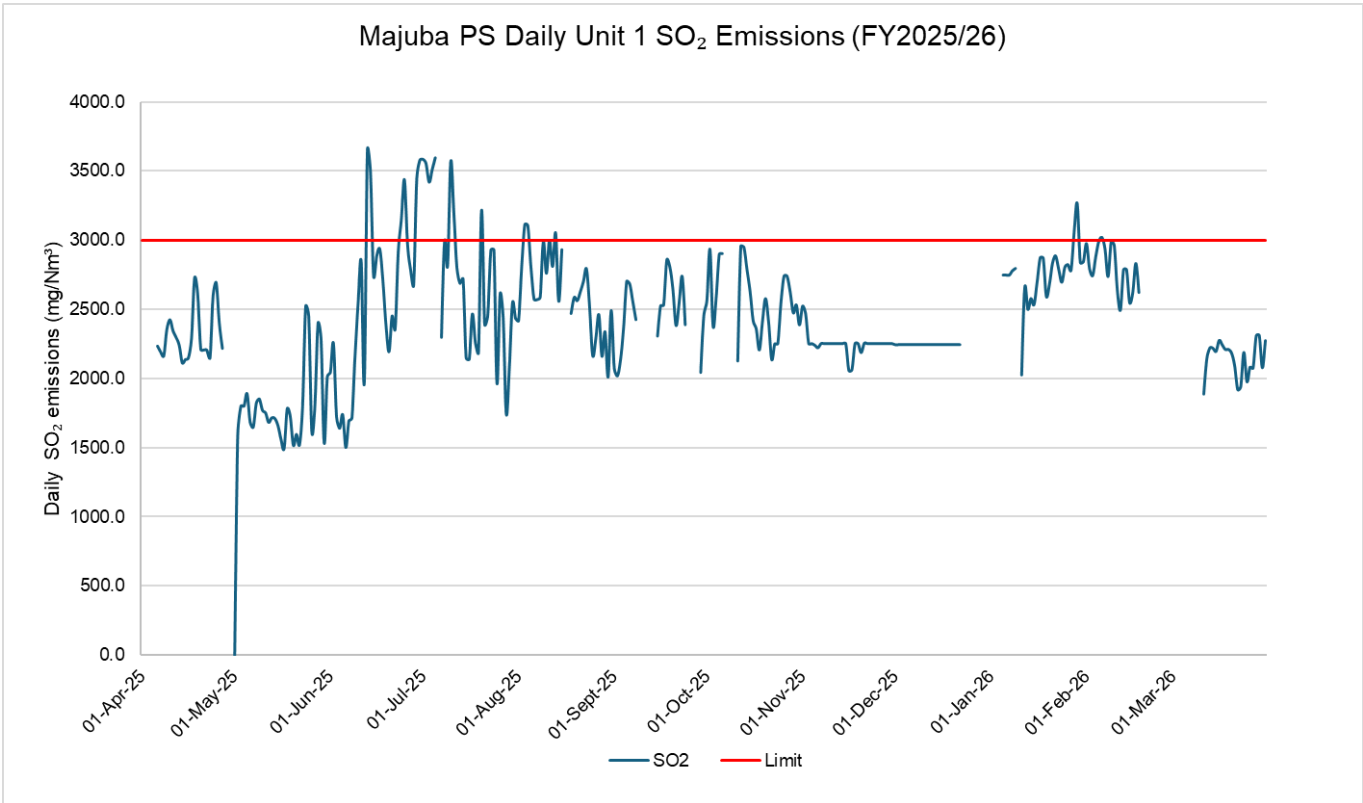

Figure 10: Unit 1 daily SO_2 emissions for FY2025/2026

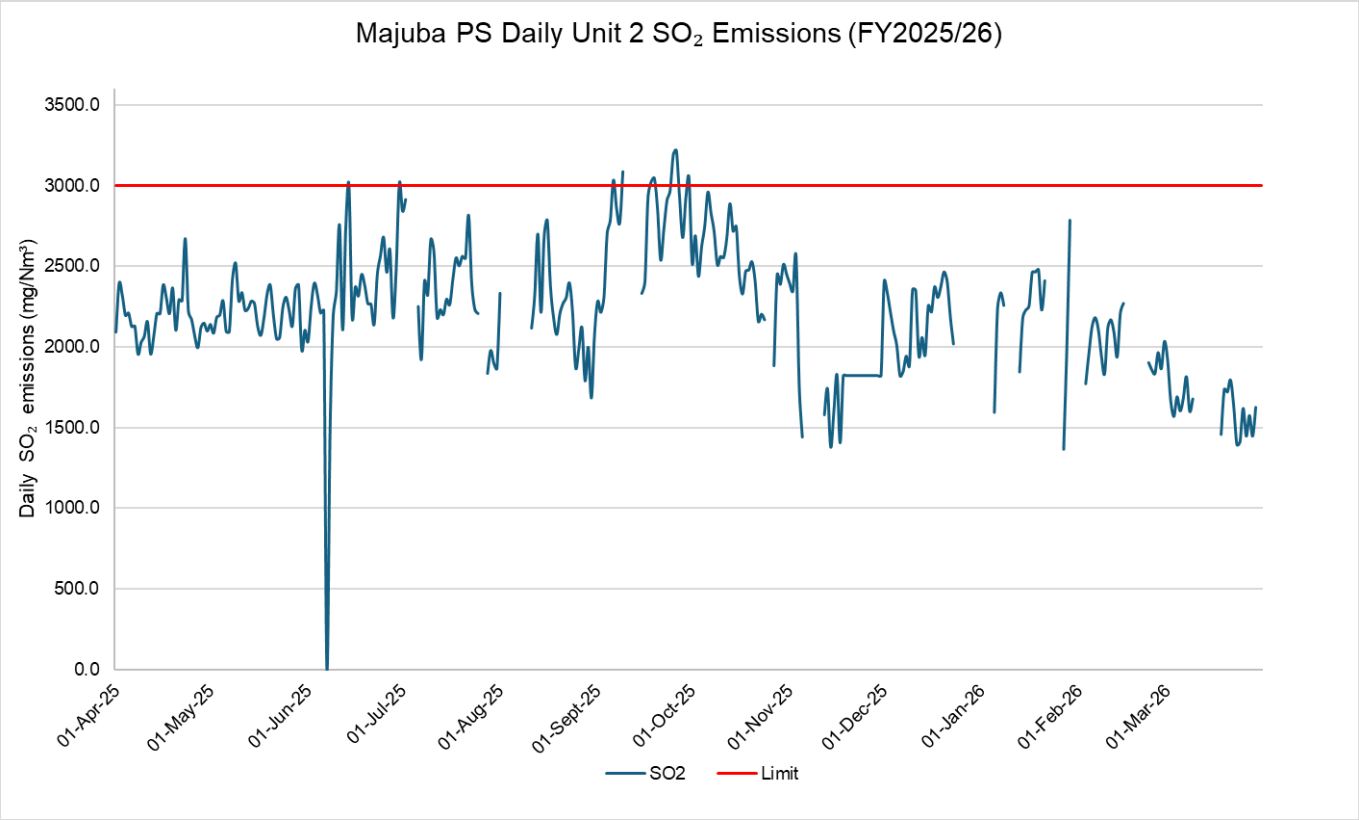

Figure 11: Unit 2 daily SO_2 emissions for FY2025/2026

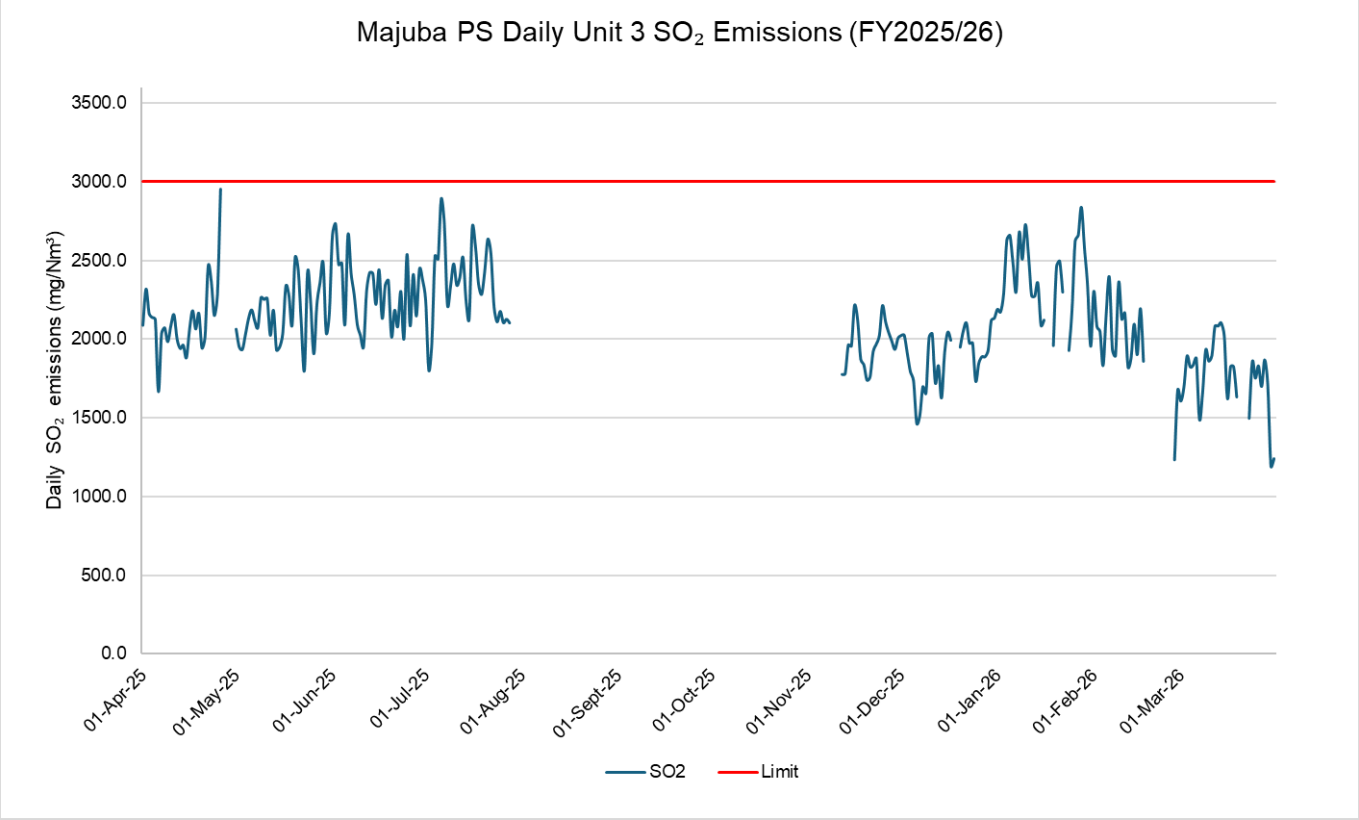

Figure 12: Unit 3 daily SO_2 emissions for FY2025/2026

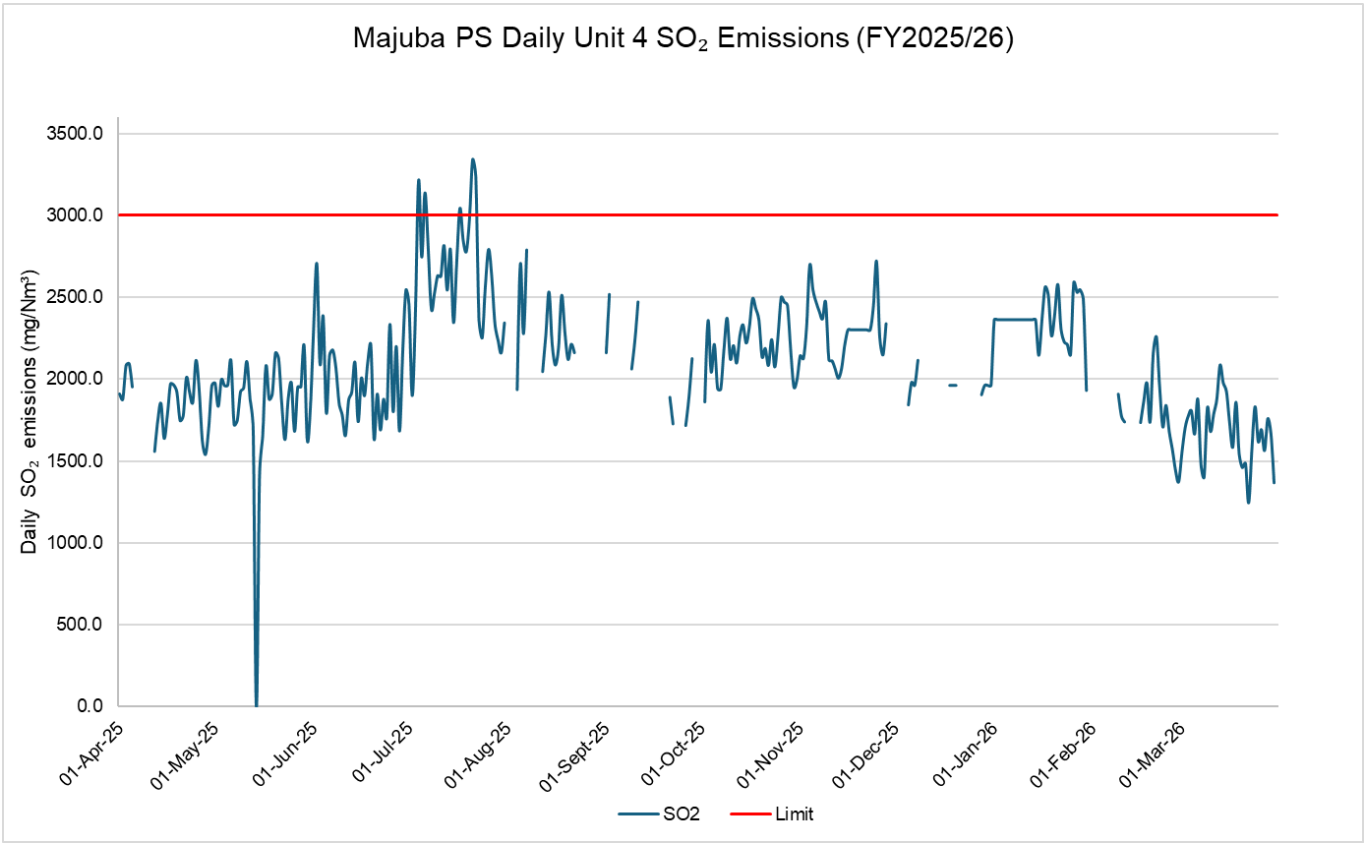

Figure 13: Unit 4 daily SO_2 emissions for FY2025/2026

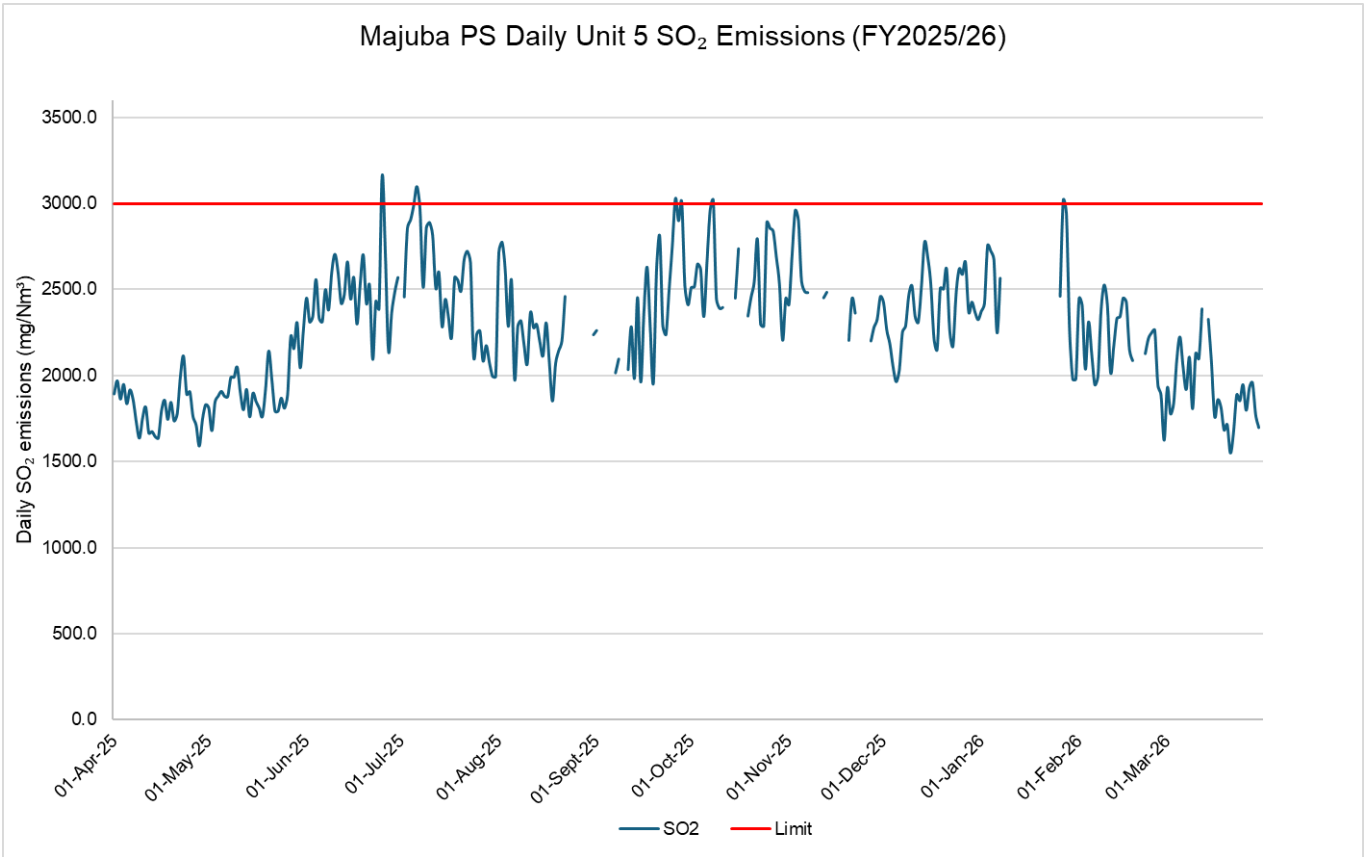

Figure 14: Unit 5 daily SO2 emissions for FY2025/2026

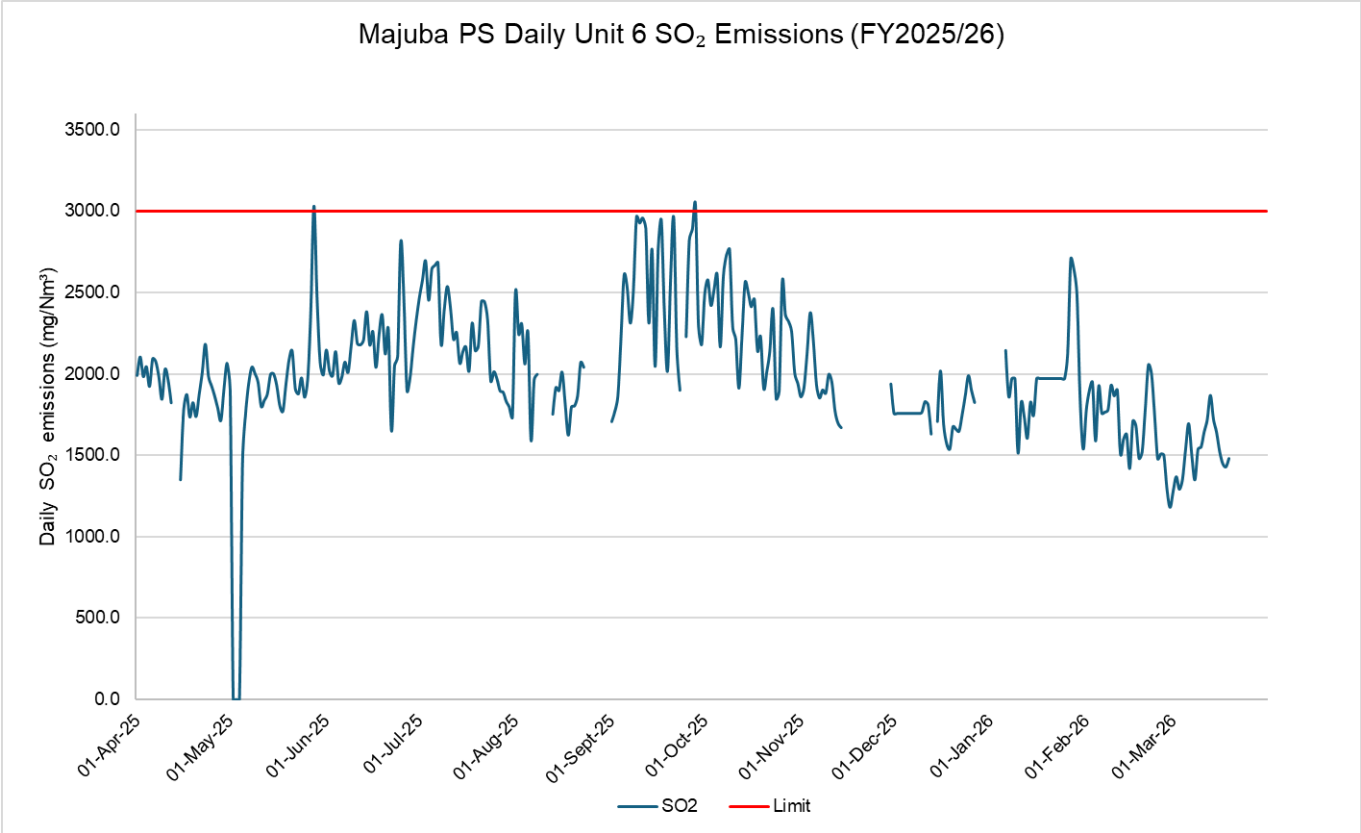

Figure 15: Unit 6 daily SO_2 emissions for FY2025/2026

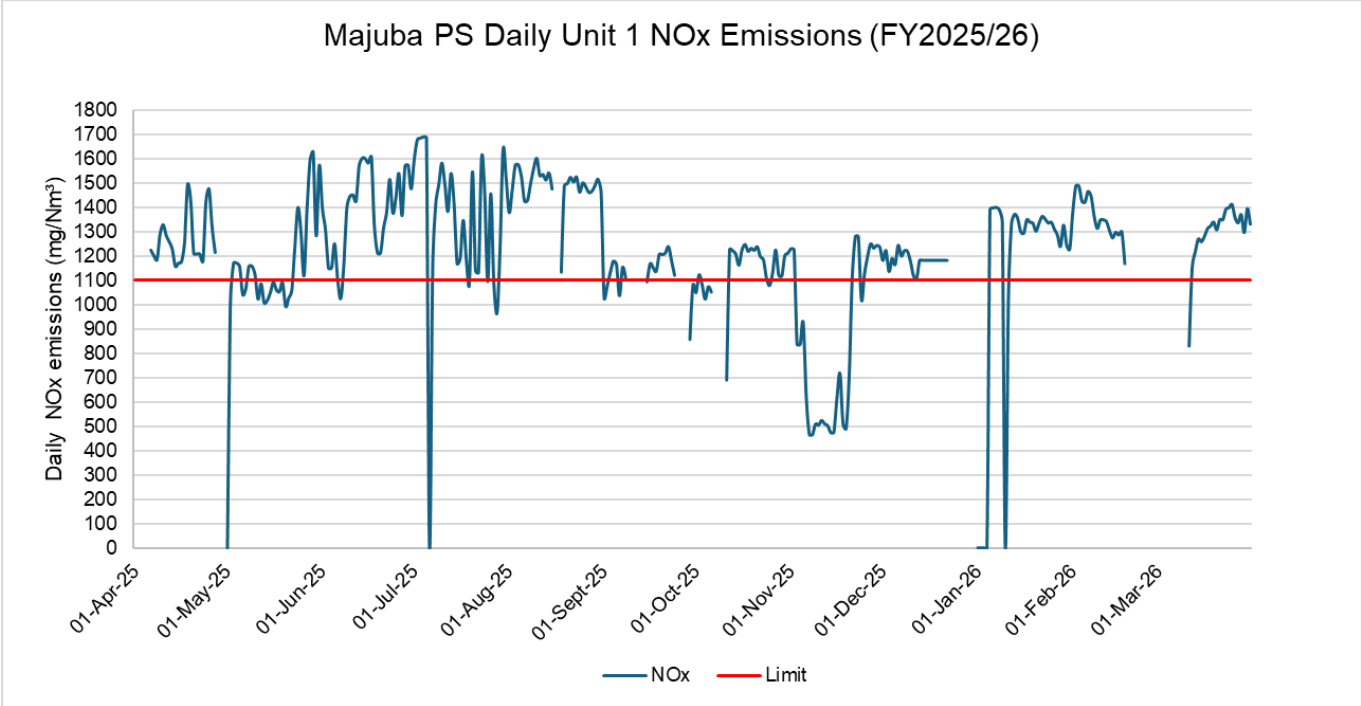

Figure 16: Unit 1 daily NOx emissions for FY2025/2026

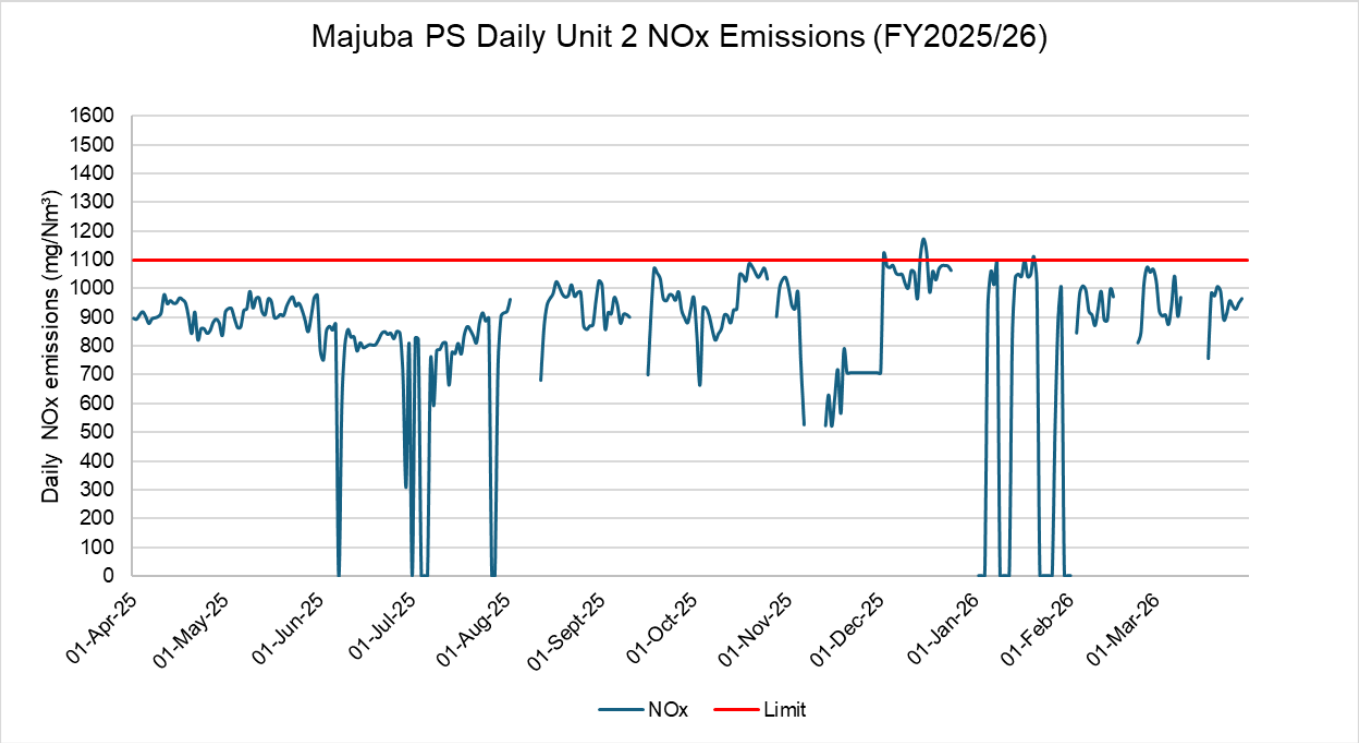

Figure 17: Unit 2 daily NOx emissions for FY2025/2026

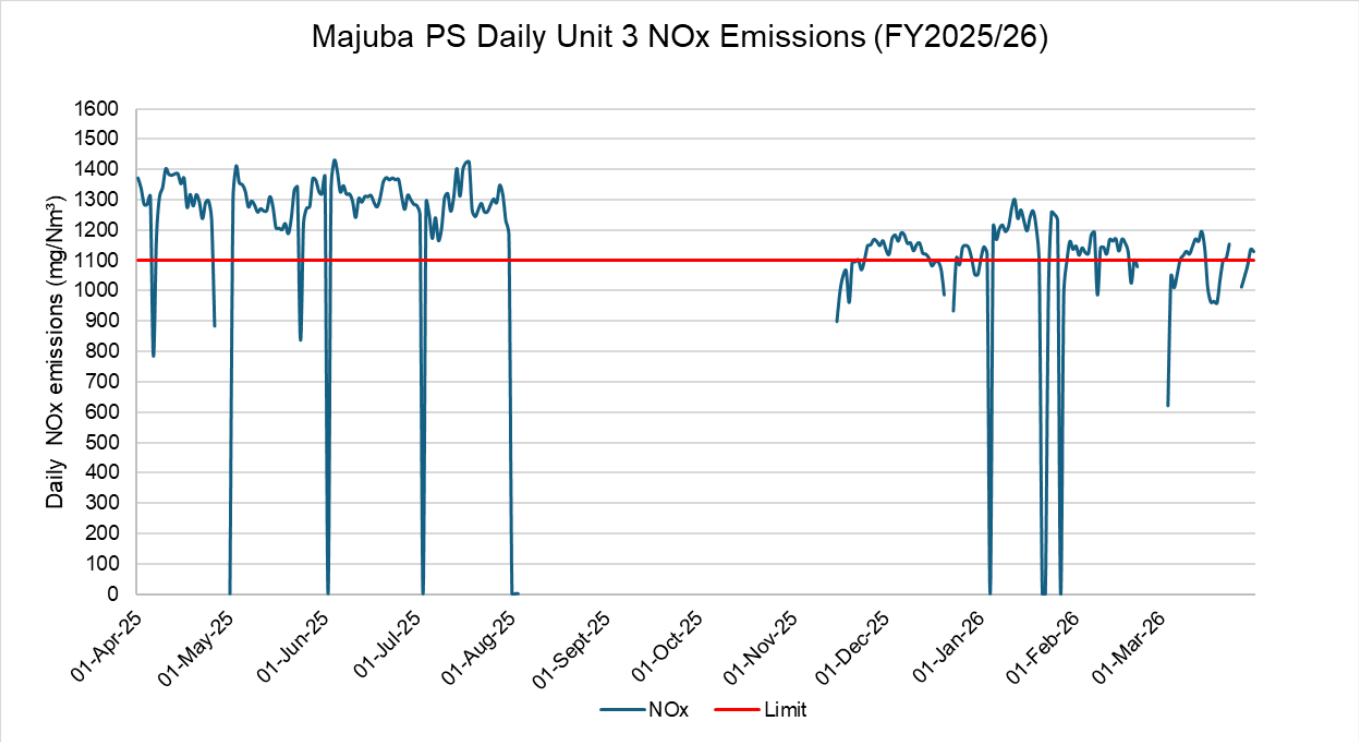

Figure 18: Unit 3 daily NOx emissions for FY2025/2026

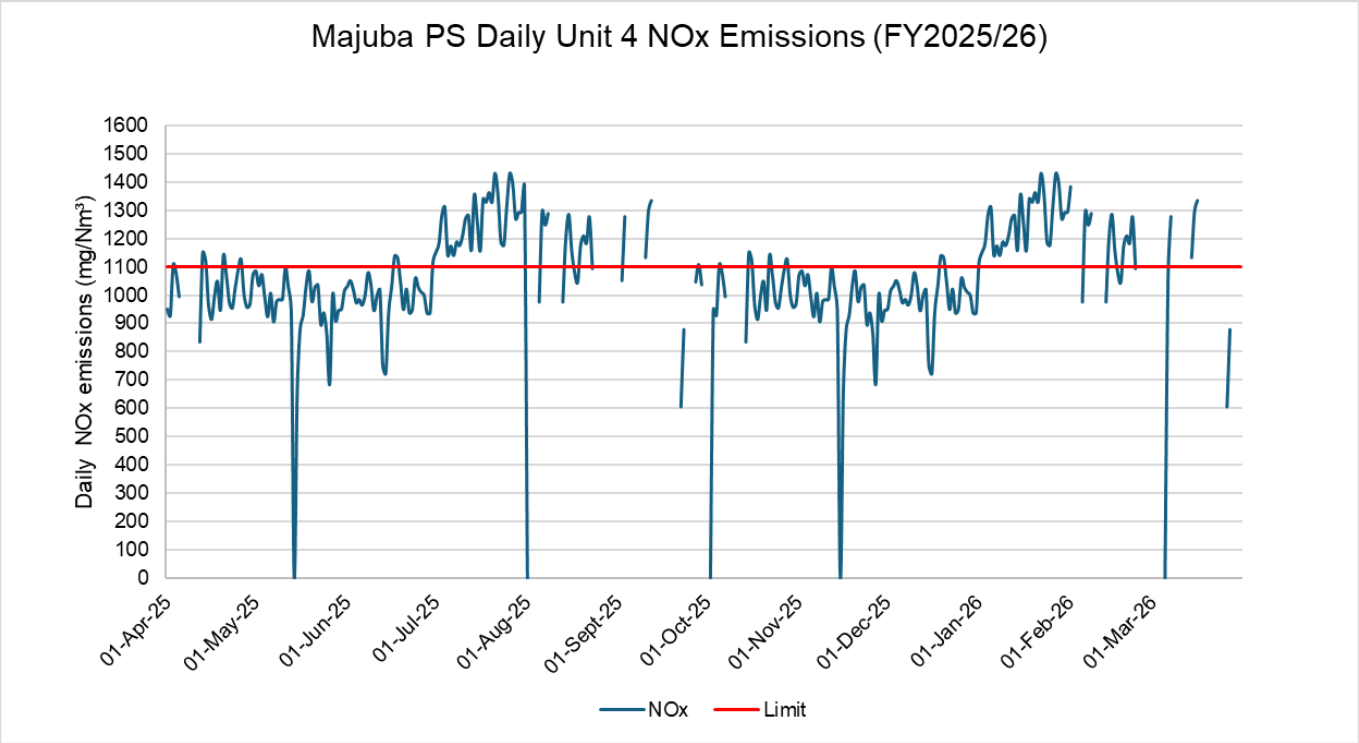

Figure 19: Unit 4 daily NOx emissions for FY2025/2026

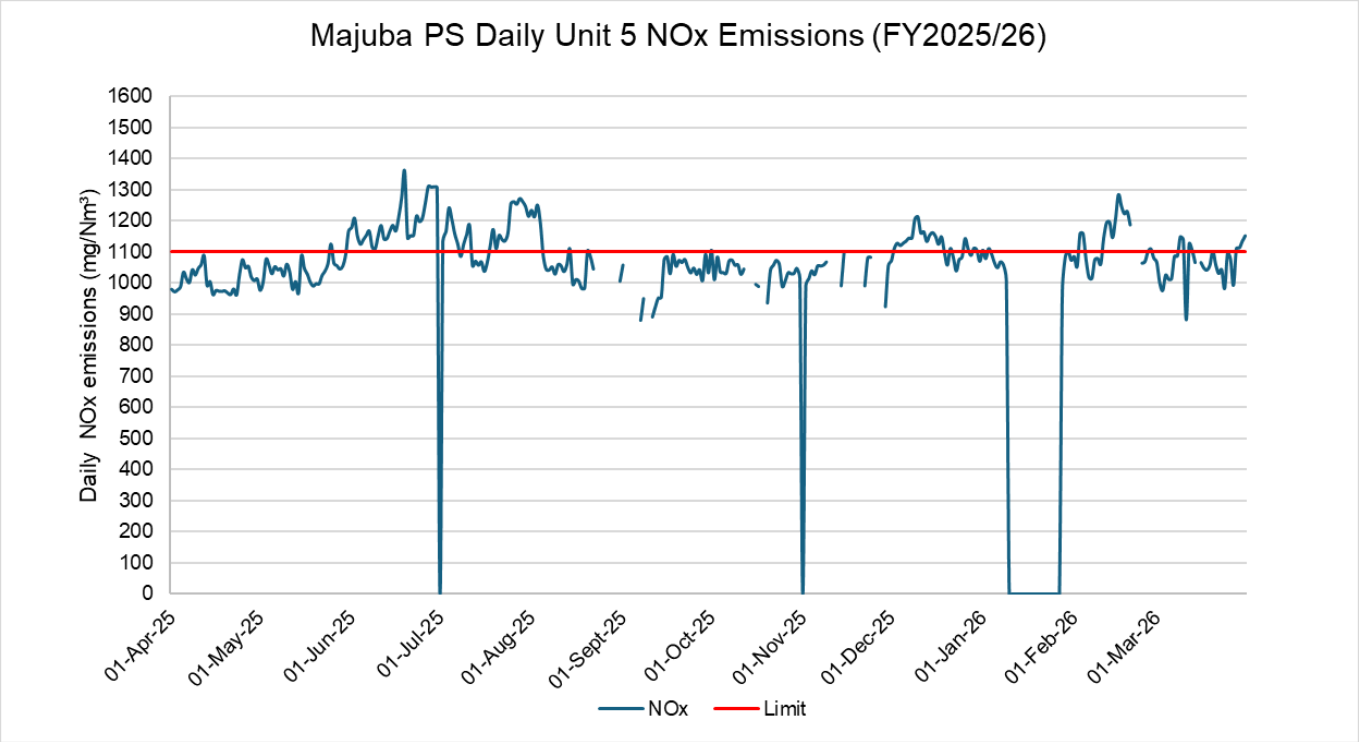

Figure 20: Unit 5 daily NOx emissions FY2025/2026

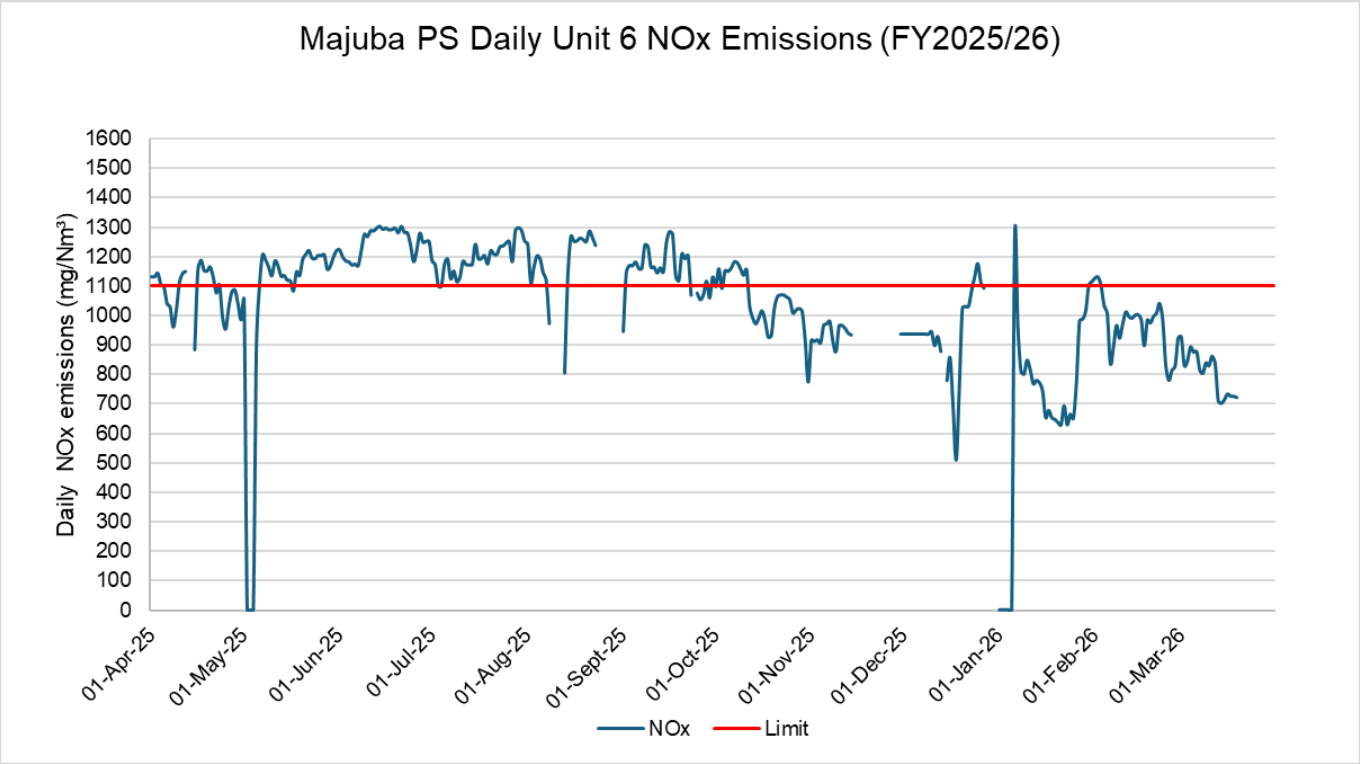

Figure 21: Unit 6 daily NOx emissions for FY2025/2026

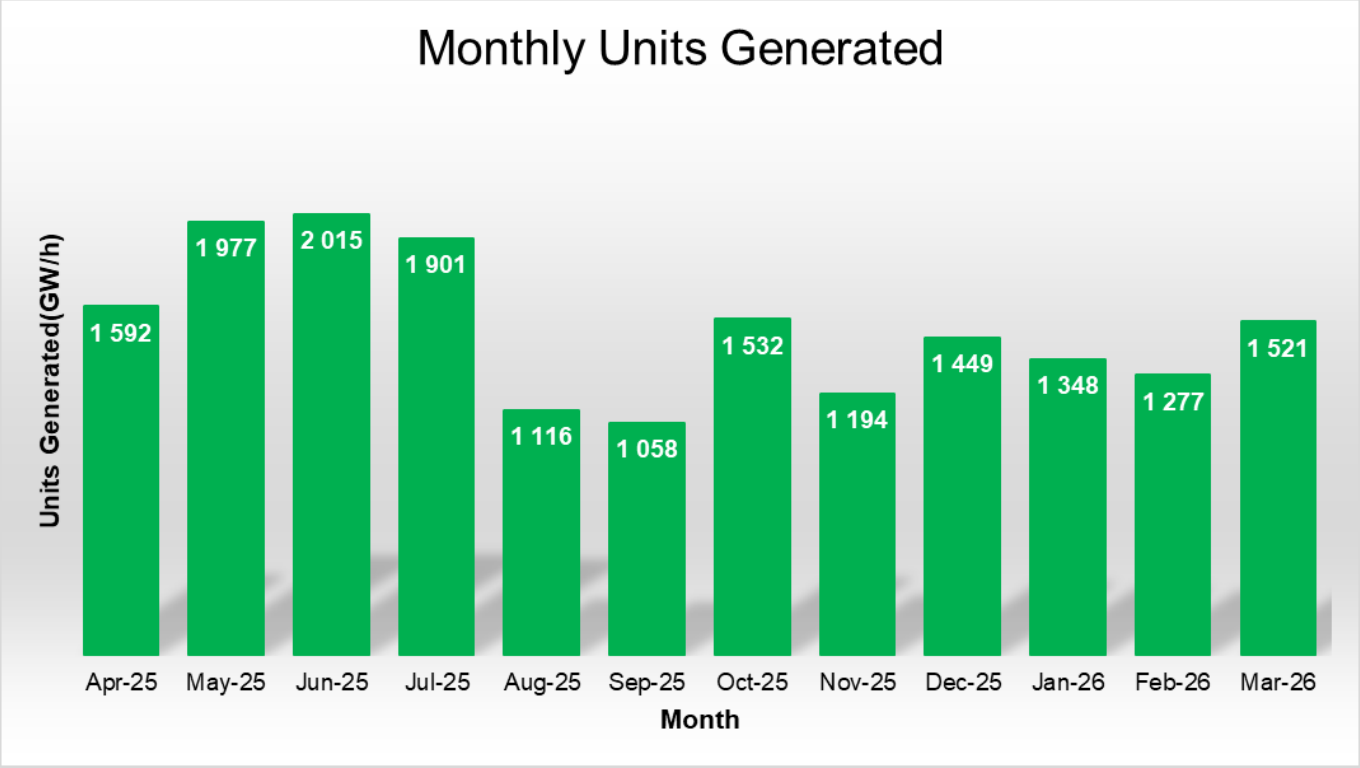

Figure 22: Monthly GWh Generated for FY2025/2026

Monitor Reliability

Table 4 indicates monitor reliability throughout the 2025/26 monitoring period. These values indicate compliance to the requirement of a minimum of 80% valid hourly average values during the reporting period as stipulated within the National Environmental Management: Air Quality Act, 39 of 2004 - GN 893 - Listed activities and associated Minimum Emission Standards identified in terms of section 21 of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 Of 2004). This is except for November 2025 to January 2026 where the SO_2 and NOx monitor reliability was below

80% for certain units. The faulty monitors have since been repaired and now maintain a minimum reliability of 80%.

Table 9: Monitor Reliability per/month

Monthly AVG	PM	SO_2	NOx	CO2
April 2025	99.87	99.88	100.00	87.98
May 2025	100.00	97.13	98.12	87.57
June 2025	99.83	98.32	100.00	99.90
July 2025	98.82	99.12	99.50	99.80
August 2025	83.23	83.25	83.08	75.43
September 2025	82.77	82.25	82.85	64.13
October 2025	82.73	82.10	83.32	80.30
November 2025	82.73	69.55	82.70	91.05
December 2025	99.65	65.07	74.03	85.95
January 2026	99.10	79.90	90.38	98.67
February 2026	99.57	99.63	99.60	95.78
March 2026	99.90	99.53	99.98	99.62
Annual Averages	**94.02**	**87.98**	**91.13**	**88.85**

F. EXTERNAL COMPLIANCE AUDIT REPORT(S):

An internal Atmospheric Emissions Licence compliance review was carried out on 10-11 September 2025. The following non-compliances were raised:

- The station experienced continuous exceedances of gaseous emissions during the review period
- The station has not updated its induction materials to include relevant license conditions and environmental management issues, particularly those related to air quality.
- During start-up operations, the station exceeded the permissible emission duration limit of 48 hours for the gases, resulting in non-compliance with condition requirements.

The non-compliances are being tracked through an internal system for audit actions (SAP QIM) and one has been closed. The report will be submitted together with this plan.

G. MAJOR UPGRADES PROJECTS:

No major upgrades were conducted at Majuba during the 2025/2026 financial year. There were no fabric filter bags replacement conducted during this financial year.

The Low NOx Burner Replacement Project has been deferred to FY 2028

H. COMPLAINS RECEIVED AND ACTIONS TAKEN TO ADDRESS COMPLAINTS RECEIVED

No air quality related complaints were received for this reporting period.

I. GREENHOUSE GAS EMISSIONS ANNUAL REPORT IN LINE WITH THE NATIONAL GREENHOUSE GAS EMISSION REPORTING REGULATIONS NO. 40762 GOVERNMENT GAZETTE 03 APRIL 2017

Greenhouse gases are reported as per the agreement between DFFE and Eskom (proof attached).

National Atmospheric Emissions Inventory System

NAIES reporting for 2025 calendar year is currently underway following the manual reporting process as per GN 50284 and will be concluded before the due date in June.

J. COMPLIANCE STATUS TO STATUTORY OBLIGATION INCLUDING ANY OTHER ISSUED AUTHORISATIONS

The current compliance to the statutory obligations as per Section 4.6 of the AEL is shown in Table 10 below:

Table 10: Compliance to Statutory Obligations

Act	Act Number	Act Year	Chapters (where applicable)	Compliance Status	Comment
National Environmental Management: Air Quality Act	39	2004	5	Mostly Compliant	The Station has exceeded the Nox, SO_2 and PM during the reporting period. The Station also exceeded the fuel oil limit as per the AEL.
National Health Act	61	2003	10 & 11	Compliant	
National Environmental Management Act	107	1998		Compliant	
National Water Act	36	1998		Compliant	
National Environmental Management: Waste Act	59	2008		Compliant	
Gert Sibande District Municipality: Air Quality Management By-law	n/a	2025		Compliant	
Gert Sibande District Municipality: Municipal Health By-law	n/a	2025		Compliant	
Gert Sibande District Municipality: Noise Control By-law	n/a	2014		Compliant	
Gert Sibande District Municipality: Waste By-laws	n/a	2025		Compliant	

K. ANNUAL REPORT ON IMPLEMENTATION OF HIGHVELD PRIORITY AIR QUALITY MANAGEMENT PLAN AND OFFSET PROGRAM / PROJECTS

The Highveld Priority Air Quality Management Plan was submitted in 2017 as the first generation AQMP, its progress is being tracked by head office. In line with the Second-Generation Highveld Priority Area Air Quality Management Plan (R6040) and the Regulation for Implementing and Enforcing Priority Air Quality Management Plans of 26 August 2024 (GNR 5153), Eskom submitted its Priority Area Emission Reduction and Management Plan to the authorities on 03 November 2025. A progress report on the implementation of the Air Quality Offset Plans was submitted to the Licensing Authority on the 30th of March 2026 detailing progress made on the offset projects.

Additional information demonstrating compliance to the station's atmospheric emissions license conditions is supplied in the monthly emission reports sent to Gert Sibande District Municipality.

Hoping the above will meet your satisfaction.

Yours sincerely

Yangaphe Ngcashi
GENERAL MANAGER: MAJUBA POWER STATION