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Date:
 14 May 2026

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MAJUBA POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF APRIL 2026

This serves as the monthly report required in terms of Majuba Power Station's Atmospheric Emission License (Dr PKI Seme/Eskom H SOC Ltd MPS/0014/2025/F05) under section 7.4 Point source – emissions monitoring and reporting requirements. The emissions are for the month of April 2026. Verified emissions of Particulate Matter, SO₂ and NO_x (as NO₂) are included for all units. Greenhouse gases are excluded as per the agreement reached between Eskom and the Department of Forestry, Fisheries and the Environmental in the first quarter of 2017/18 financial year's MINTEC and MINMEC management meeting.

Raw Materials and Products

Table 1. Quantity of Raw Materials and Products used/produced for the month of April 2026

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Consumption/ Rate in Month of April 2026
	Coal	Tons/month	1 800 000	650 287
	Fuel Oil	Tons/month	6 000	5 088.46
Production Rates	Product/ By-Product Name	Unit	Maximum Production Rate Permitted (Quantity)	Production Rate in Month of April 2026
	Energy	GWh	3 058	1 120.38
	Ash	Tons/month	429 746	192 289.86

Abatement Technology

Table 2. Abatement Equipment Control Technology for the month of April 2026

Associated Unit	Technology Type	Actual Utilisation (%) for the month of April 2026	*Minimum Control Efficiency (%)
Unit 1	Fabric Filter Plant	100	99.88
Unit 2	Fabric Filter Plant	100	99.85
Unit 3	Fabric Filter Plant	100	99.85
Unit 4	Fabric Filter Plant	100	99.97
Unit 5	Fabric Filter Plant	100	99.87
Unit 6	Fabric Filter Plant	0	0

*Calculated from the assumption of 90% fly ash to 10% bottom ash and percentage ash as measured in coal

Energy Source Characteristics

Table 3. Energy Source Material Characteristics for the month of April 2026

Raw Material	Coal		Fuel Oil	
Characteristic	Stipulated Limit (%)	Monthly Average Content	Stipulated Limit (%)	Monthly Average Content
Sulphur Content	<1.25	0.62	<3.5	1.63
Ash Content	<33.84	29.57	0.1	0.03

Emissions Reporting

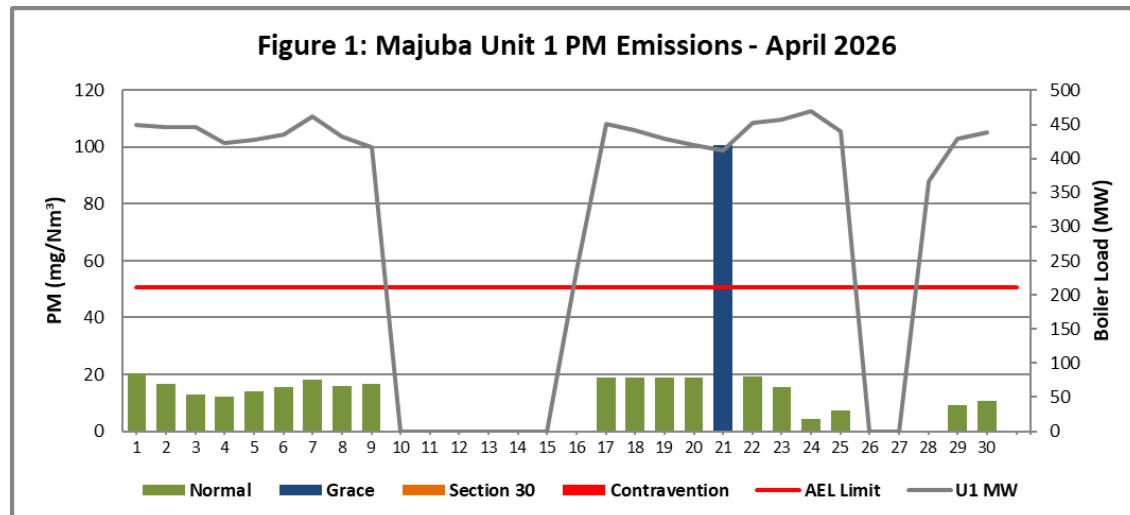


Figure 1. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 1.

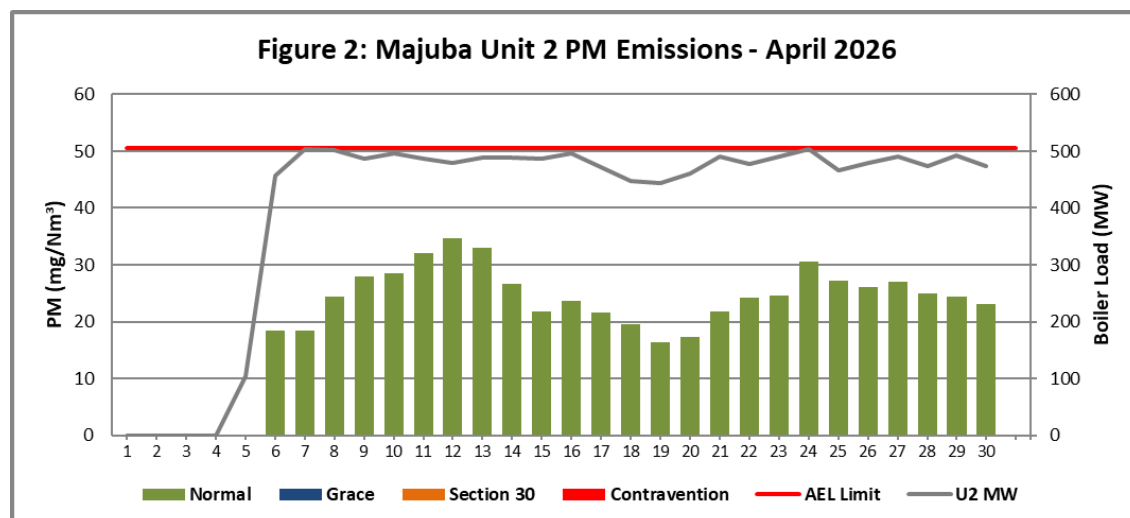


Figure 2. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 2.

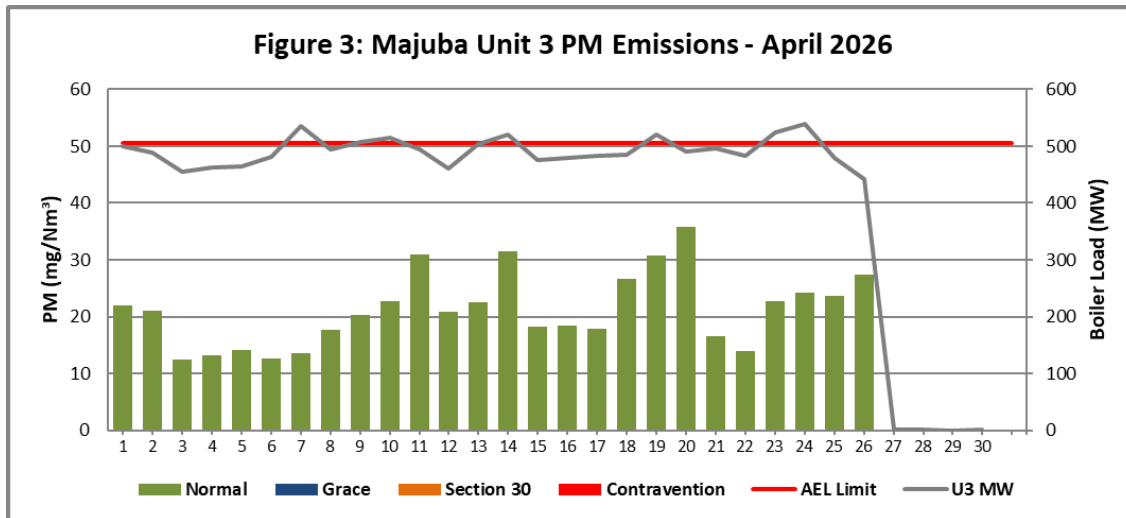


Figure 3. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 3.

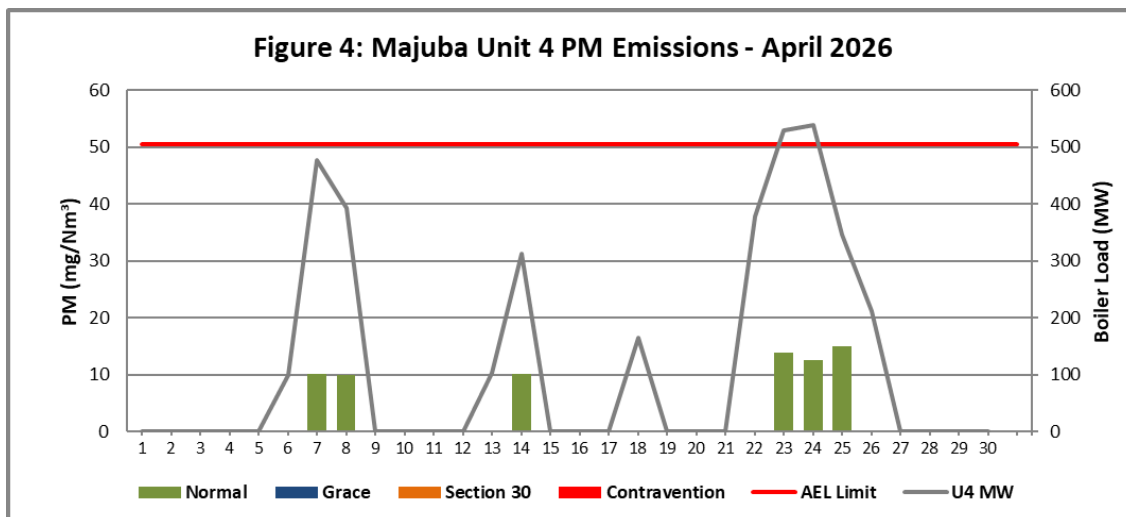


Figure 4. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 4.

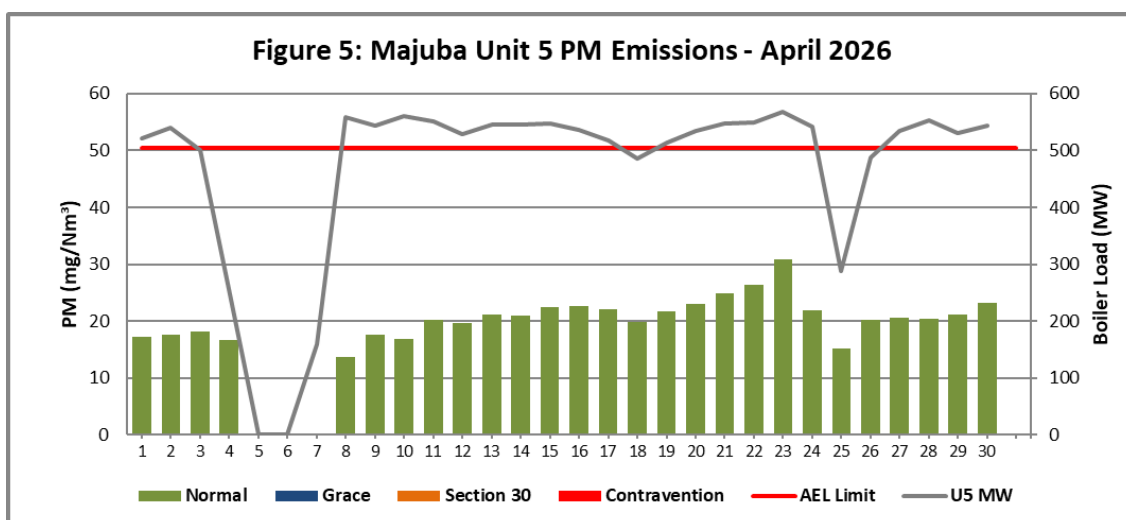


Figure 5. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 5.

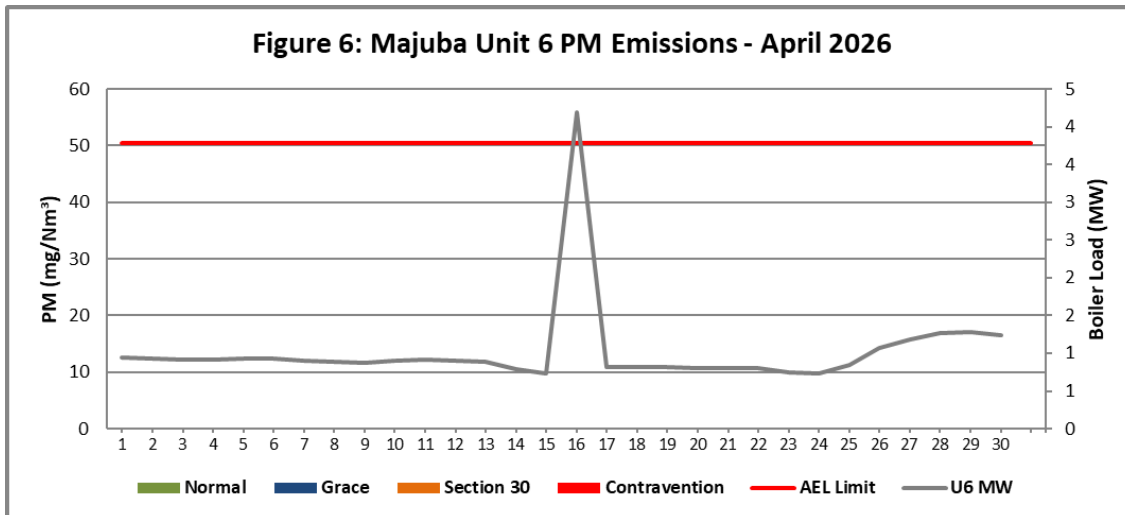


Figure 6. Particulate Matter emissions (daily averages) for the month of April 2026 against emission limit for Unit 6.

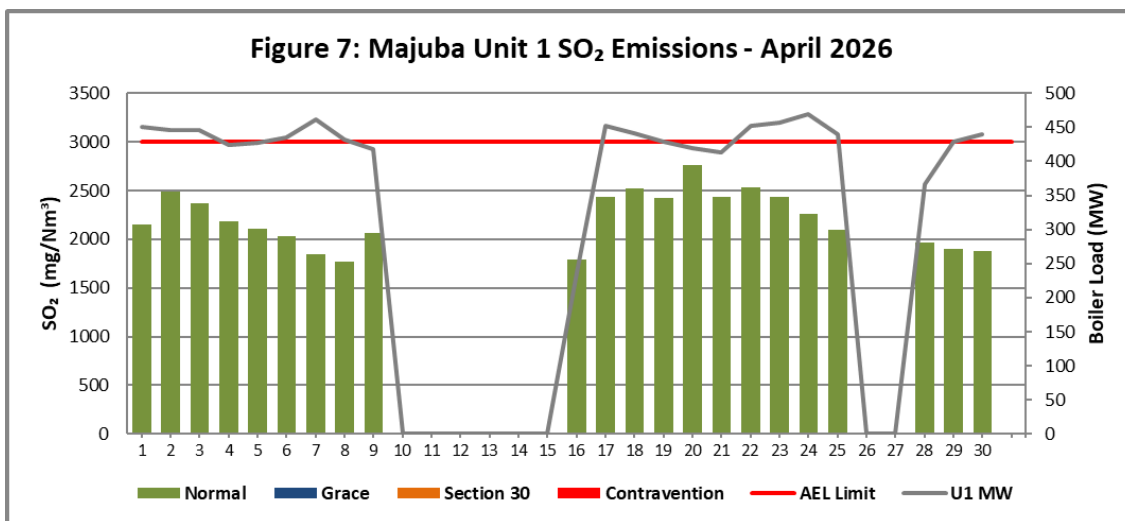


Figure 7. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 1.

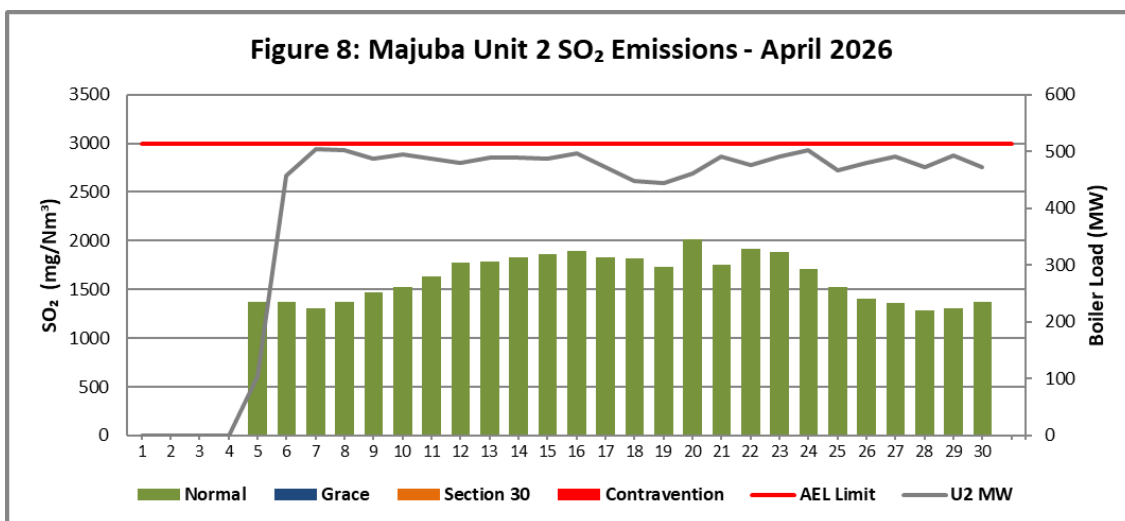


Figure 8. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 2.

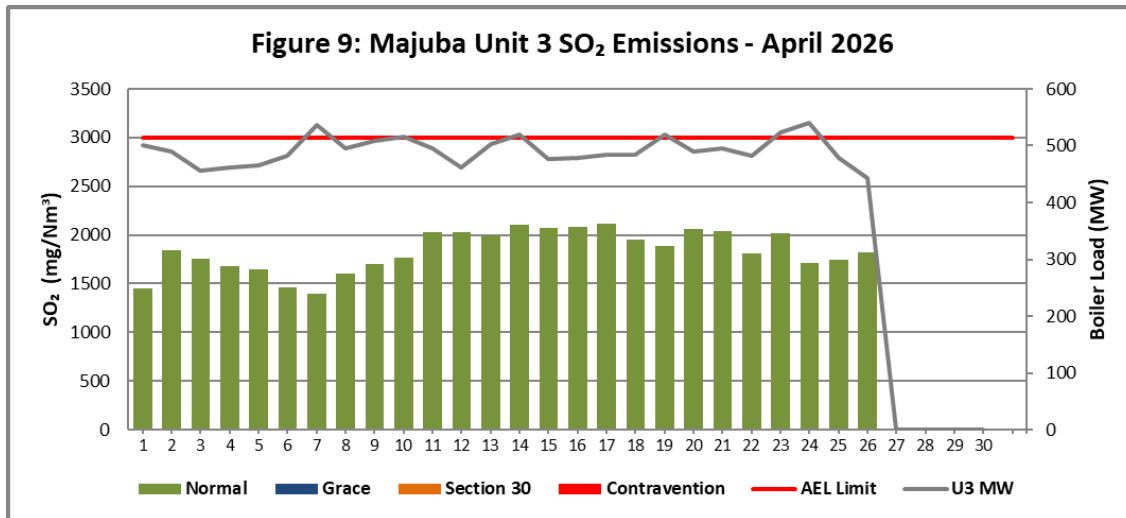


Figure 9. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 3.

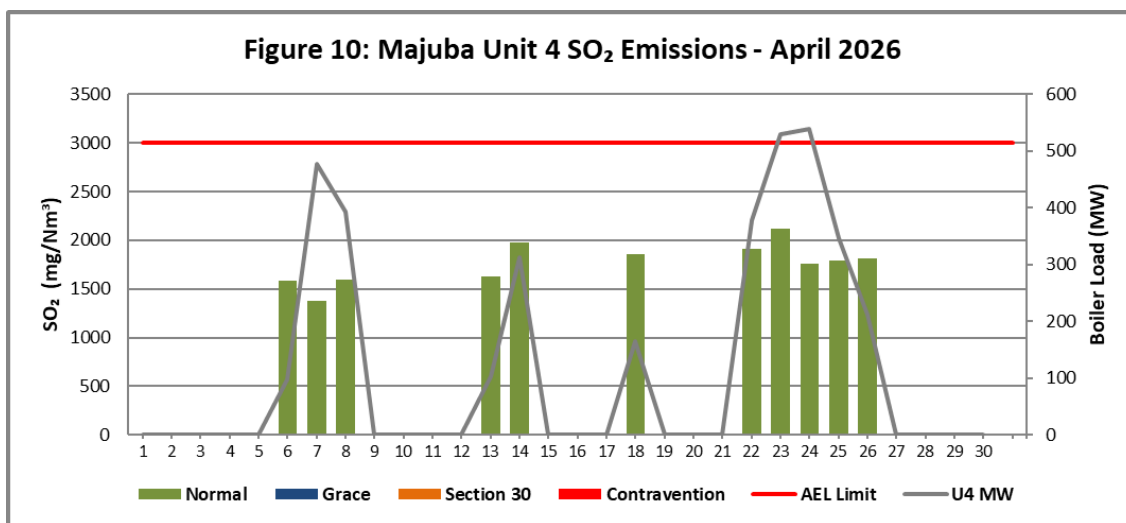


Figure 10. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 4.

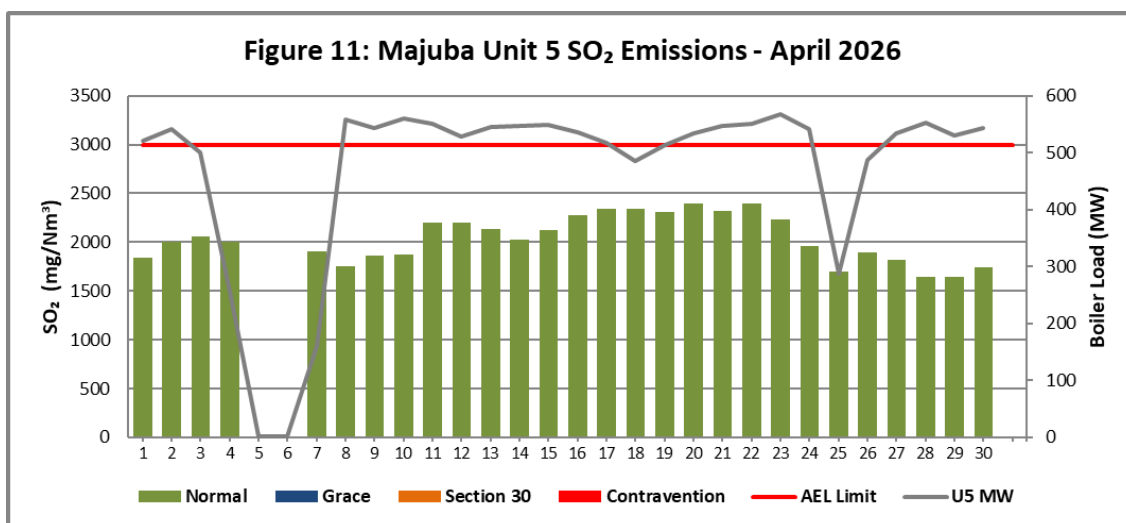


Figure 11. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 5.

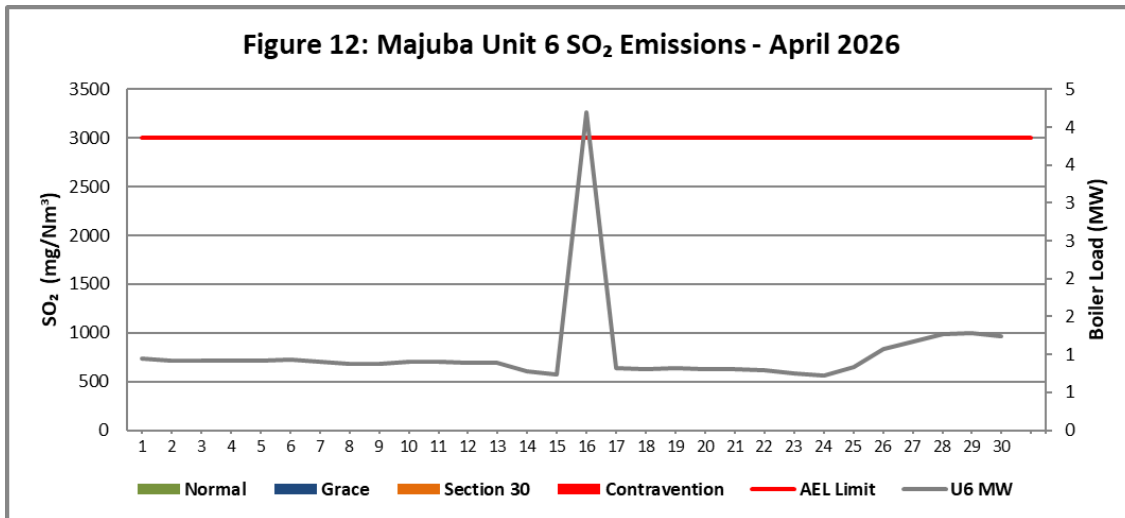


Figure 12. SO₂ emissions (daily averages) for the month of April 2026 against emission limit for Unit 6.

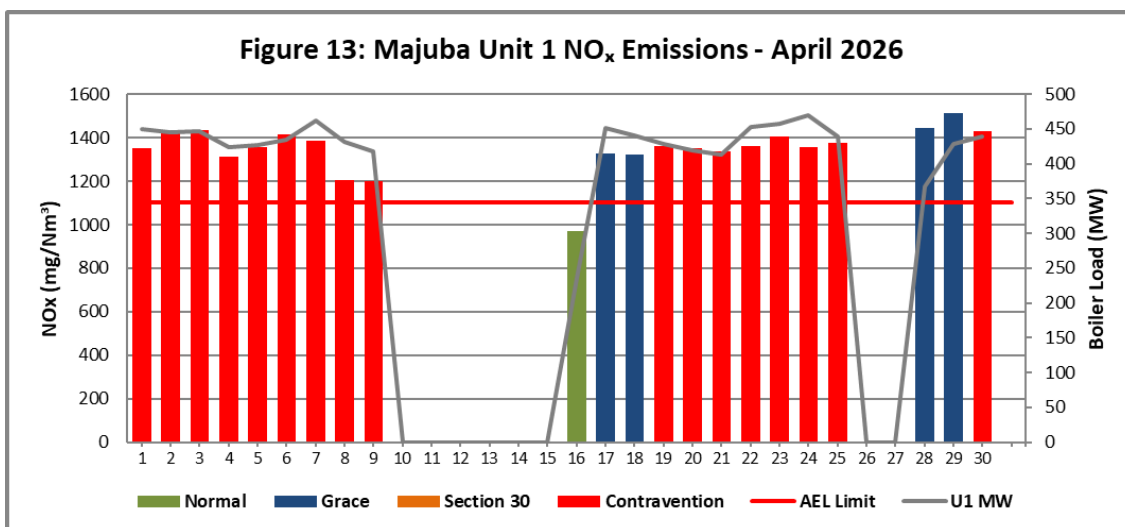


Figure 13. NO_x emissions (daily averages) for the month of April 2026 against emission limit for Unit 1.

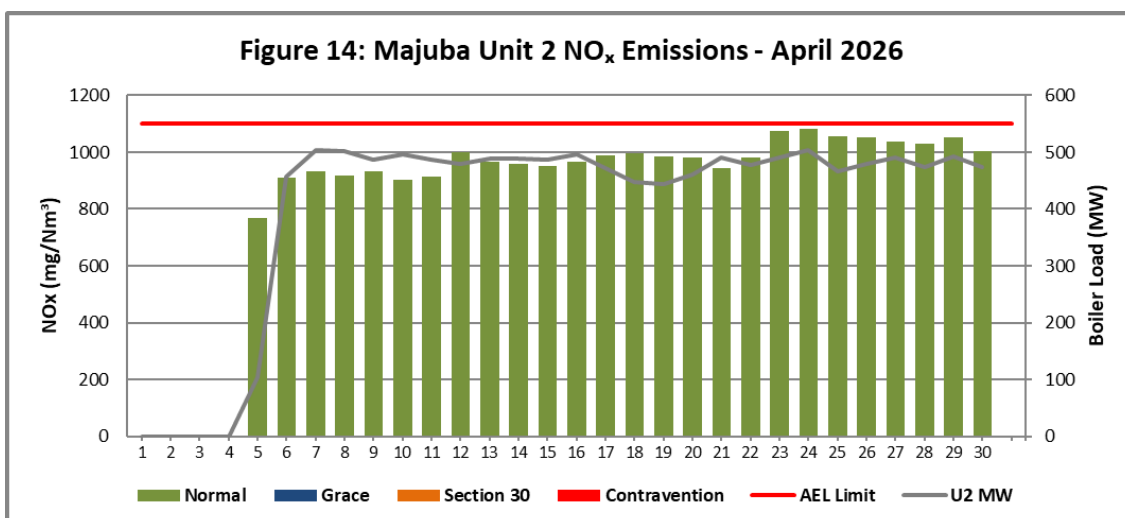


Figure 14. NO_x emissions (daily averages) for the month of April 2026 against emission limit for Unit 2.

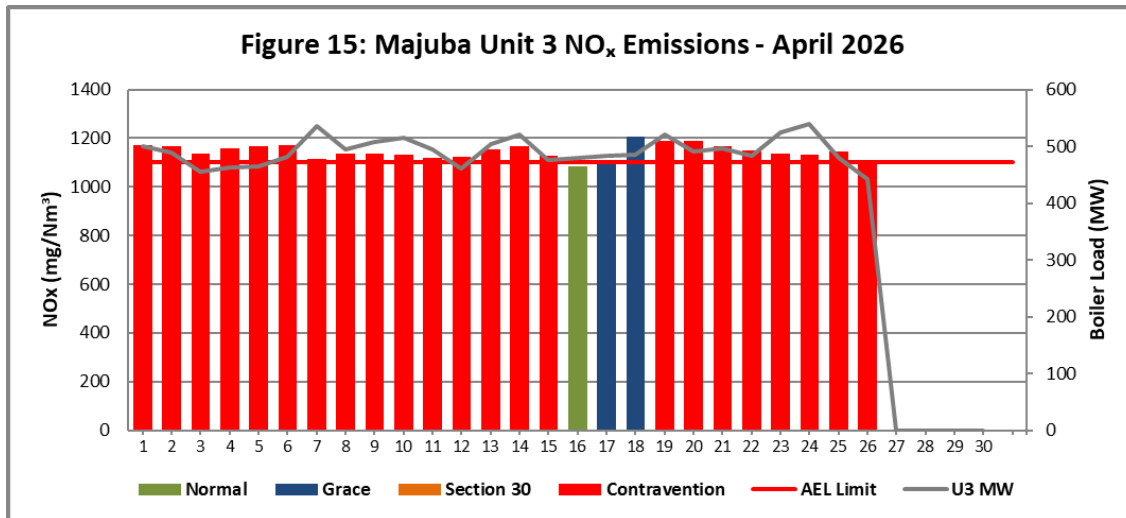


Figure 15. NOx emissions (daily averages) for the month of April 2026 against emission limit for Unit 3.

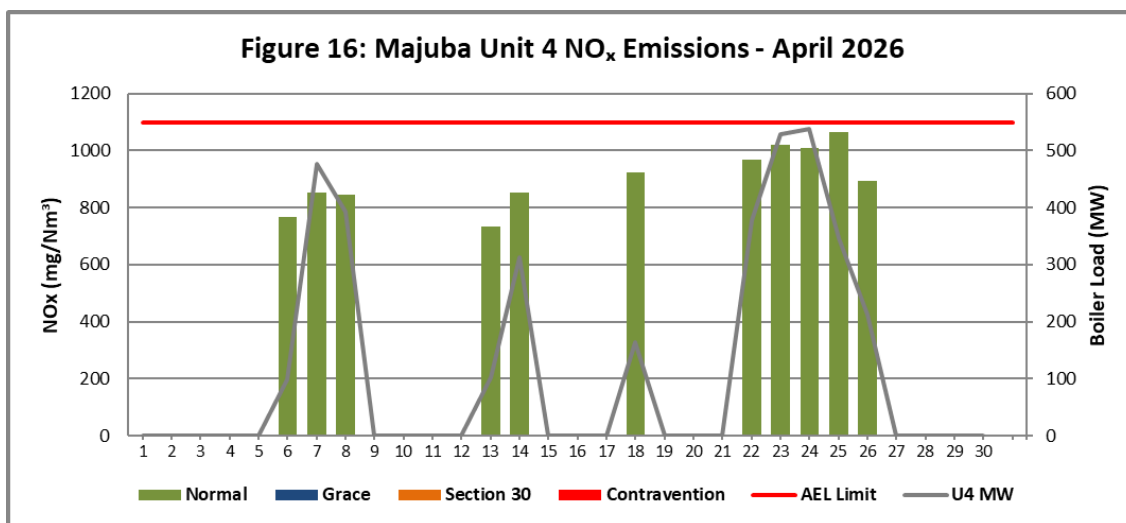


Figure 16. NOx emissions (daily averages) for the month of April 2026 against emission limit for Unit 4

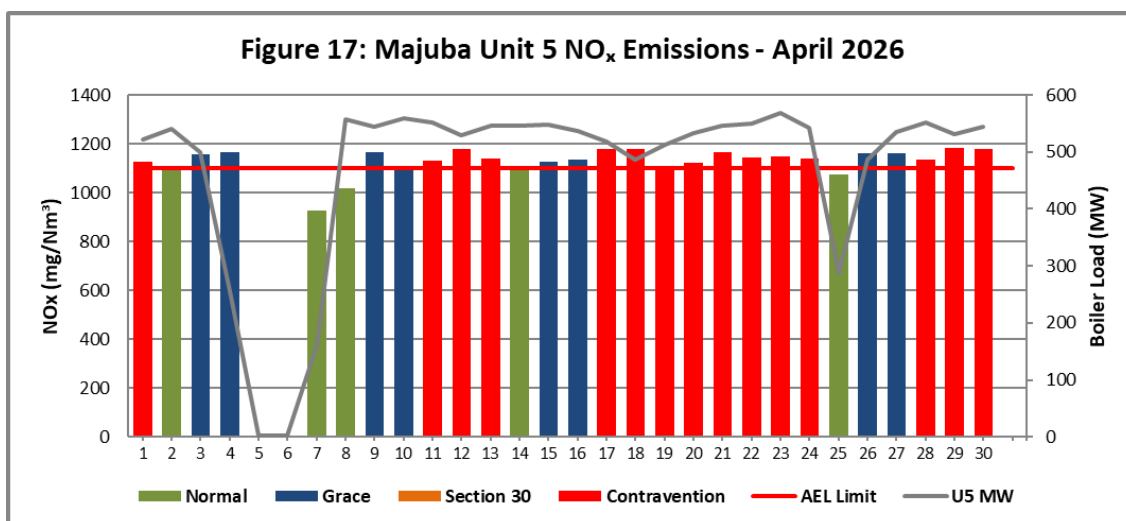


Figure 17. NOx emissions (daily averages) for the month of April 2026 against emission limit for Unit 5

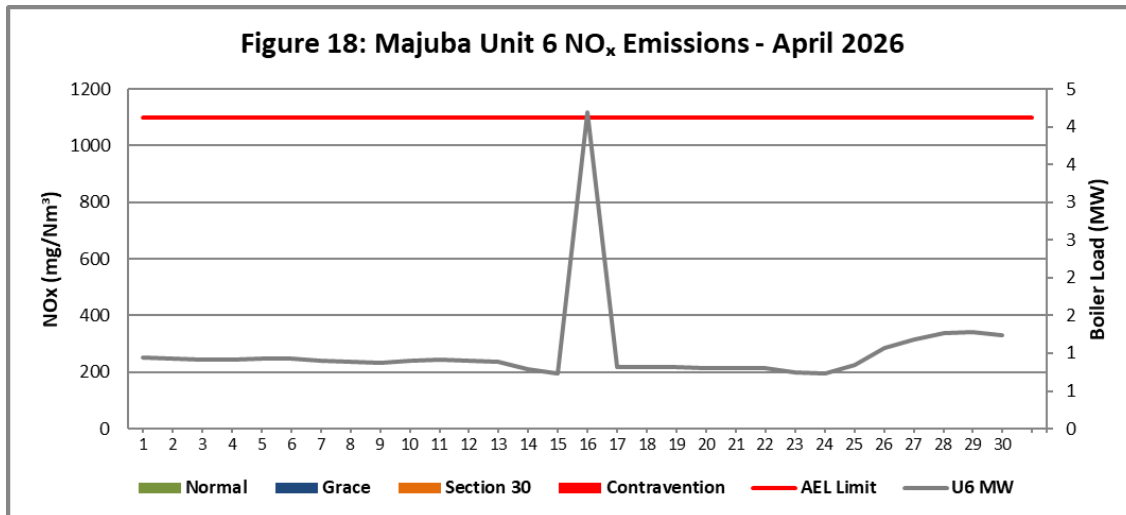


Figure 18. NOx emissions (daily averages) for the month April 2026 against emission limit for Unit 6

Table 4: Monthly tonnages for the month of April 2026

Unit	PM (tons)	SO ₂ (tons)	NOx (tons)
Unit 1	26.4	3 368	2 066
Unit 2	44.0	2 982	1 803
Unit 3	47.5	4 089	2 551
Unit 4	3.1	835	438
Unit 5	40.3	4 204	2 334
Unit 6	0	0	0

Table 5: Average monthly concentrations (mg/Nm³) for the month of April 2026

Unit	PM (Mg/Nm ³)	SO ₂ (Mg/Nm ³)	NOx (Mg/Nm ³)
1	19.2	2 202.2	1 347.6
2	24.7	1 619.0	976.1
3	21.2	1 836.3	1 145.3
4	12.0	1 765.9	903.3
5	20.6	2 036.5	1 129.8
6	0	0	0

Table 6: Each unit and respective days operating in compliance to the AEL PM Emission Limits

Associated Unit/Stack	Normal	Grace	Section 30	Contravention	Total Exceedance
Unit 1	19	1	0	0	1
Unit 2	25	0	0	0	0
Unit 3	26	0	0	0	0
Unit 4	6	0	0	0	0
Unit 5	27	0	0	0	0
Unit 6	0	0	0	0	0

Table 7: Each unit and respective days operating in compliance to the AEL SO₂ Emission Limits

Associated Unit/Stack	Normal	Grace	Section 30	Contravention	Total Exceedance
Unit 1	22	0	0	0	0
Unit 2	26	0	0	0	0
Unit 3	26	0	0	0	0
Unit 4	11	0	0	0	0
Unit 5	28	0	0	0	0
Unit 6	0	0	0	0	0

Table 8: Each unit and respective days operating in compliance to the AEL NO_x Emission Limits

Associated Unit/Stack	Normal	Grace	Section 30	Contravention	Total Exceedance
Unit 1	1	4	0	17	21
Unit 2	26	0	0	0	0
Unit 3	1	2	0	23	25
Unit 4	11	0	0	0	0
Unit 5	5	8	0	15	23
Unit 6	0	0	0	0	0

Table 9: Data Reliability (%)

Associated Unit/Stack	PM	SO ₂	NO	O ₂
Unit 1	66.7	100.0	100.0	99.5
Unit 2	100.0	100.0	100.0	100.0
Unit 3	100.0	100.0	100.0	100.0
Unit 4	100.0	96.7	100.0	99.4
Unit 5	100.0	100.0	100.0	99.2
Unit 6	0	0	0	0

Table 10: CO₂ and O₂ deviations of the Month of April 2026

2026/05/11	Final O ₂ CEMS Data (%)						CO ₂ (Actual Dry %)						SUM CO ₂ + O ₂ CEMS Data (%)					
	U1	U2	U3	U4	U5	U6	U1	U2	U3	U4	U5	U6	U1	U2	U3	U4	U5	U6
2026/04/01	10.2		9.6		10.3		9.5		9.9		10.3		19.8		19.4		20.6	
2026/04/02	11.2		9.0		9.8		9.0		10.4		10.7		20.1		19.4		20.5	
2026/04/03	11.3		9.4		10.7		8.9		10.1		10.0		20.1		19.4		20.7	
2026/04/04	11.4		9.9		11.4		8.7		9.7		9.5		20.2		19.5		20.8	
2026/04/05	11.5	11.8	9.9				8.7	7.3	9.6				20.2	19.2	19.5			
2026/04/06	11.1	9.9	9.7	13.0			9.0	8.9	9.8	7.7			20.1	18.8	19.5	20.7		
2026/04/07	10.5	9.4	8.2	11.4	12.1		9.5	9.5	11.2	9.3	8.6		20.0	18.9	19.4	20.6	20.7	
2026/04/08	10.4	9.6	9.0	11.4	9.4		9.3	9.5	10.4	9.1	11.0		19.7	19.0	19.4	20.5	20.4	
2026/04/09	10.5	9.8	8.4		9.9		9.2	9.3	10.9		10.6		19.7	19.1	19.3		20.4	
2026/04/10		9.6	8.3		9.3			9.5	11.0		11.0			19.1	19.3		20.3	
2026/04/11		9.7	8.5		9.9			9.5	10.8		10.6			19.2	19.4		20.5	
2026/04/12		10.1	8.9		10.3			9.2	10.5		10.3			19.3	19.4		20.6	
2026/04/13		9.9	8.7	13.2	9.4			9.4	10.7	7.6	10.9			19.3	19.4	20.8	20.4	
2026/04/14		9.9	8.4	12.6	9.4			9.5	11.0	8.1	11.0			19.4	19.4	20.7	20.4	
2026/04/15		10.1	8.8		9.9			9.4	10.5		10.7			19.4	19.4		20.5	
2026/04/16	12.5	10.0	8.7		10.2		6.9	9.4	10.7		10.4		19.4	19.4	19.4		20.7	
2026/04/17	11.2	10.6	8.6		10.8		8.8	9.0	10.6		10.1		20.0	19.6	19.2		20.9	
2026/04/18	10.8	11.2	8.8	13.1	11.1		9.1	8.5	10.4	8.0	9.7		19.9	19.7	19.2	21.0	20.8	
2026/04/19	11.0	11.2	8.0		10.5		9.0	8.6	11.0		10.1		20.0	19.7	19.1		20.7	
2026/04/20	11.2	10.9	8.6		10.5		8.8	8.8	10.5		10.2		20.1	19.7	19.1		20.7	
2026/04/21	11.5	10.2	8.7		10.3		8.6	9.4	10.5		10.4		20.1	19.5	19.2		20.7	
2026/04/22	10.7	10.4	9.3	12.6	10.0		9.2	9.2	10.0	8.7	10.6		20.0	19.6	19.3	21.3	20.6	
2026/04/23	10.9	10.1	8.2	11.7	9.8		9.2	9.6	11.1	9.4	10.8		20.1	19.7	19.3	21.1	20.6	
2026/04/24	11.2	10.0	7.8	11.5	9.7		9.0	9.6	11.4	9.6	10.9		20.2	19.6	19.2	21.1	20.6	
2026/04/25	11.6	10.4	9.2	12.2	12.0		8.7	9.3	10.2	9.1	9.0		20.2	19.7	19.4	21.3	20.9	
2026/04/26		10.1	8.4	13.0	11.0			9.5	10.8	8.0	9.8			19.6	19.2	21.0	20.8	
2026/04/27		10.2			10.2			9.4			10.4			19.6			20.6	
2026/04/28	12.5	10.5			9.9		8.1	9.2			10.6		20.6	19.7			20.6	
2026/04/29	11.7	10.1			10.4		8.7	9.5			10.3		20.3	19.6			20.7	
2026/04/30	11.4	10.4			9.8		8.8	9.3			10.7		20.2	19.7			20.6	

Calculation: CO₂% + O₂% = 19.5-21.5%

*Blank spaces indicate that the unit was offline during that period

Emergency Generation

Table 11: Emergency Generation for the month of April 2026

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Emergency Generation hours declared by national Control	0	0	0	0	0	0
Emergency Hours declared including hours after stand down	0	0	0	0	0	0
Hours over the Limit during Emergency Generation	0	0	0	0	0	0

Comments on the performance and availability of each unit

UNIT 1

The unit base loaded for most of the days during the month and off for 6 days. 27 fabric filter bags were replaced during the month.

UNIT 2

The unit base loaded for most of the days during the month and off for 4 days. 36 filter bags were replaced during the month.

UNIT 3

The unit base loaded for most of the days during the month and off for 3 days. 41 filter bags were replaced during the month.

UNIT 4

The unit base loaded for most of the days during the month and off for 14 days. 35 fabric filter bags were replaced during the month.

UNIT 5

The unit base loaded for most of the days during the month and off for 1 day. 20 fabric filter bags were replaced during the month.

UNIT 6

The unit is on outage.

Table 12: Complaints for the month of April 2026

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
	No complaints were received in April 2026.				

Area and or line source – management and mitigation measures

There were no incidents or leaks at the fuel oil tanks, loading and offloading area for the month of April 2026.

Table 13: LDAR Leak Register

Month	Leak Severity	Defect Number	Incident Number	Status	Actions taken to manage leak	Root Cause	Calculation of impacts/emissions where applicable
April 2026	No leaks reported for the month of April 2026						

General

The NO_x exceedances are highlighted in Table 8. They are linked to the previously reported and investigated exceedances. The Station is tracking the actions from the investigation conducted as per the investigation report submitted to the licensing authority. The Station has concluded the investigation on the unit 3 PM exceedances reported for the month of March 2026. The investigation report is attached

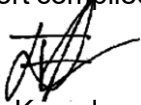
The Station has reduced its fuel oil limit consumption to below the limit of 6000 tons for the month of April 2026. Table 14 below shows the reasons for high consumption and the actions that are being taken to ensure sustained consumption that is below the AEL limit.

Table 14: Reduction of Fuel Oil Consumption

Events Contributing to High Fuel Oil Consumption	Actions Taken	Status
Milling plant failures	Maintenance addressing unreliability issues and revising failure strategy	In progress
Mill ball charge requirements	Mill to be empty when ball charges is done	Ongoing
Boiler tube failures	Root cause investigations to prevent failures	In progress
FFP bag replacement opportunities	Taking cells out of service to replace leaking bags and reduce load losses.	Ongoing
Units Return to Service (RTS) delays due to milling plant failures	Maintenance addressing unreliability issues and revising failure strategy	In progress

Yours sincerely

Report compiled by:



Faith Kagoda

ENVIRONMENTAL MANAGER: (MAJUBA)

Date: 14/05/2026

Report verified by:



Lindani Madonsela

BOILER ENGINEERING MANAGER: (MAJUBA)

Date: 18/05/2026

Report approved by:



William Malapane

ENGINEERING MANAGER (A): (MAJUBA)

Date: 20/05/2026