

HENDRINA POWER STATION MONTHLY EMISSIONS REPORT

Atmospheric Emission License: 17/4/AEL/MP312/11/16



1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Feb-2026
	Coal	Tons	820 000	57 471
	Fuel Oil	Tons	3 200	762.2

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Feb-2026
	Energy	GWh	1265.376	104.6
	Ash	Tons	290 000	12 293.0
	RE Ash	kg/MWh	not specified	0.08

2 ENERGY SOURCE CHARACTERISTICS

Coal Characteristic	Units	Stipulated Range	Monthly Average Content
CV Content	MJ/kg	18-22 (MJ/kg)	23.1
Sulphur Content	%	0.6 to < 1 (%)	0.7
Ash Content	%	20 to < 35 (%)	21.4

3 EMISSION LIMITS (mg/Nm³)

Associated Unit/Stack	Daily Limit		
	PM	SO ₂	NO _x
North	50	3200	1100
South	50	3200	1100

4 ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	FFP Efficiency
North	Fabric Filter Plant (FFP)	Off-line
South	Fabric Filter Plant (FFP)	100%

Note: The FFP does not have a bypass mode; therefore, it operates at 100% utilization.

5 DATA RELIABILITY (%)

Associated Unit/Stack	PM	SO ₂	NO	O ₂
North	Off	Off	Off	Off
South	100.0	95.1		96.1

Note: NO_x emissions are measured as NO in PPM. The final NO_x value is expressed as total NO₂ equivalent.

6 EMISSION PERFORMANCE

Table 6.1: Monthly tonnages for February 2026

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	Off	Off	Off
Unit 2	Off	Off	Off
Unit 3	Off	Off	Off
Unit 4	Off	Off	Off
Unit 5	Off	Off	Off
Unit 6	1.6	391	
Unit 7	7.1	435	
Unit 8	Off	Off	Off
Unit 9	Off	Off	Off
Unit 10	0.1	35	
SUM	8.85	861	

South Stack NO_x Monitor reliability value will be input when the error under investigation has been resolved. This report shall be updated with a verified value and submitted to the Licensing Authority.

Final figures for the South Stack NO_x under investigation because of a suspected error.

Table 6.2: PM AEL Daily Compliance - February 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	Off	Off	Off	Off	Off	Off
South	25	0	0	0	0	17.3
SUM	25	0	0	0	0	

Table 6.3: SO₂ AEL Daily Compliance - February 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	Off	Off	Off	Off	Off	Off
South	28	0	0	0	0	1 269.1
SUM	28	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - February 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	Off	Off	Off	Off	Off	Off
South						
SUM	0	0	0	0	0	

South Stack NO_x error under investigation.

Table 6.5: Legend Description

Condition	Colour	Description
Normal	Green	Emissions below Emission Limit Value (ELV)
Grace	Blue	Emissions above the ELV during grace period
Section 30	Orange	Emissions above ELV during a NEMA S30 incident
Contravention	Red	Emissions above ELV but outside grace or S30 incident conditions

Figure 1: Hendrina North Stack PM Emissions - February 2026

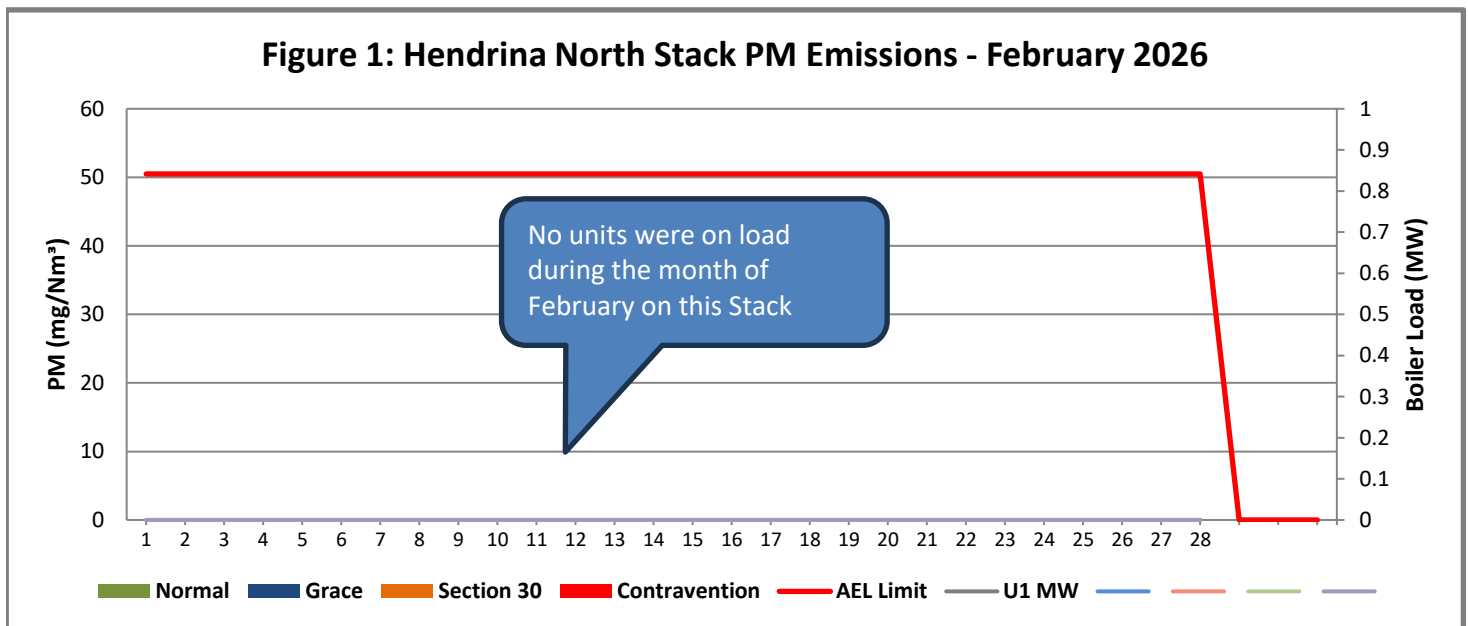


Figure 2: Hendrina South Stack PM Emissions - February 2026

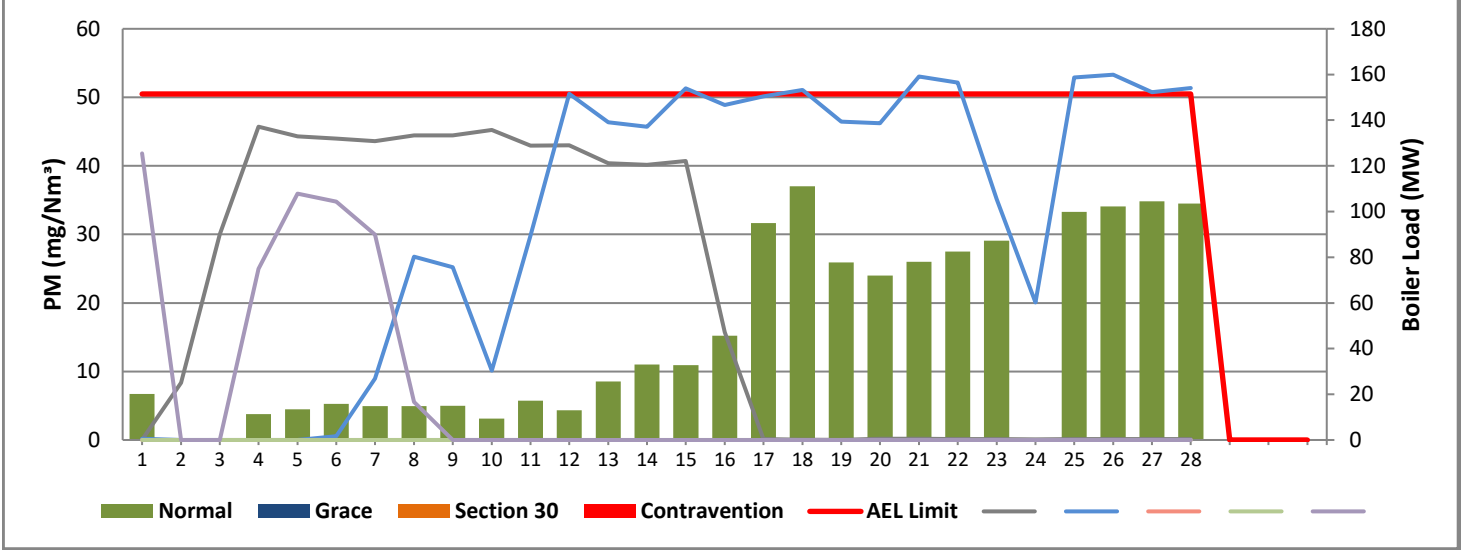


Figure 3: Hendrina North Stack SO₂ Emissions - February 2026

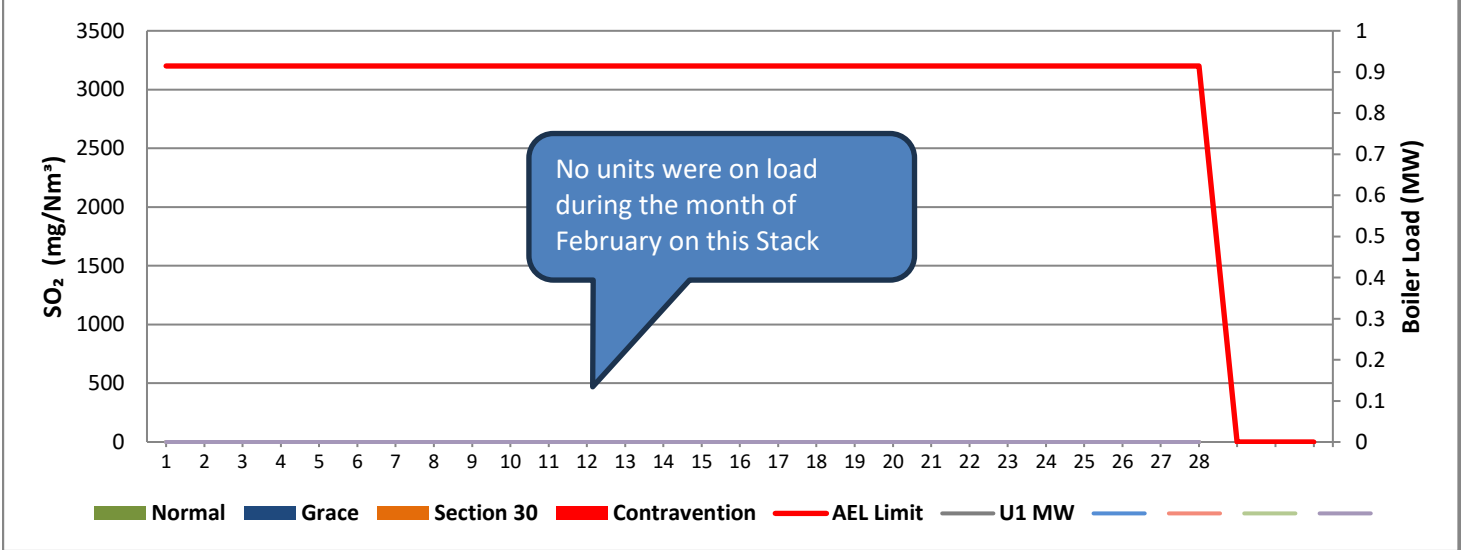


Figure 4: Hendrina South Stack SO₂ Emissions - February 2026

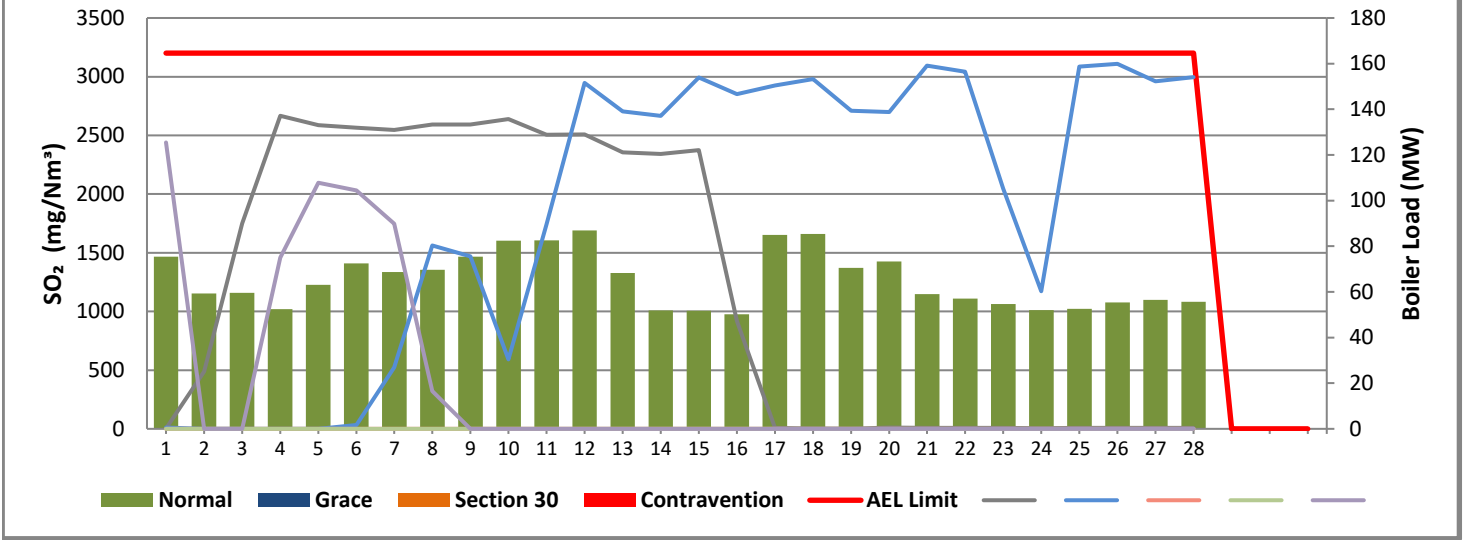
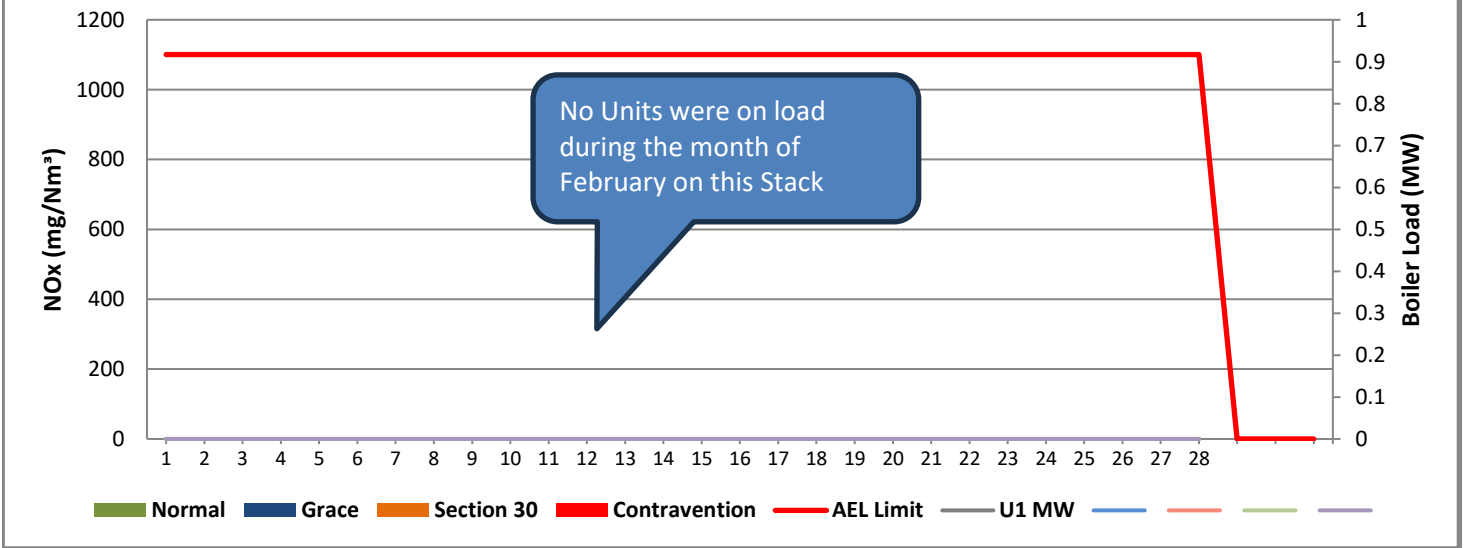
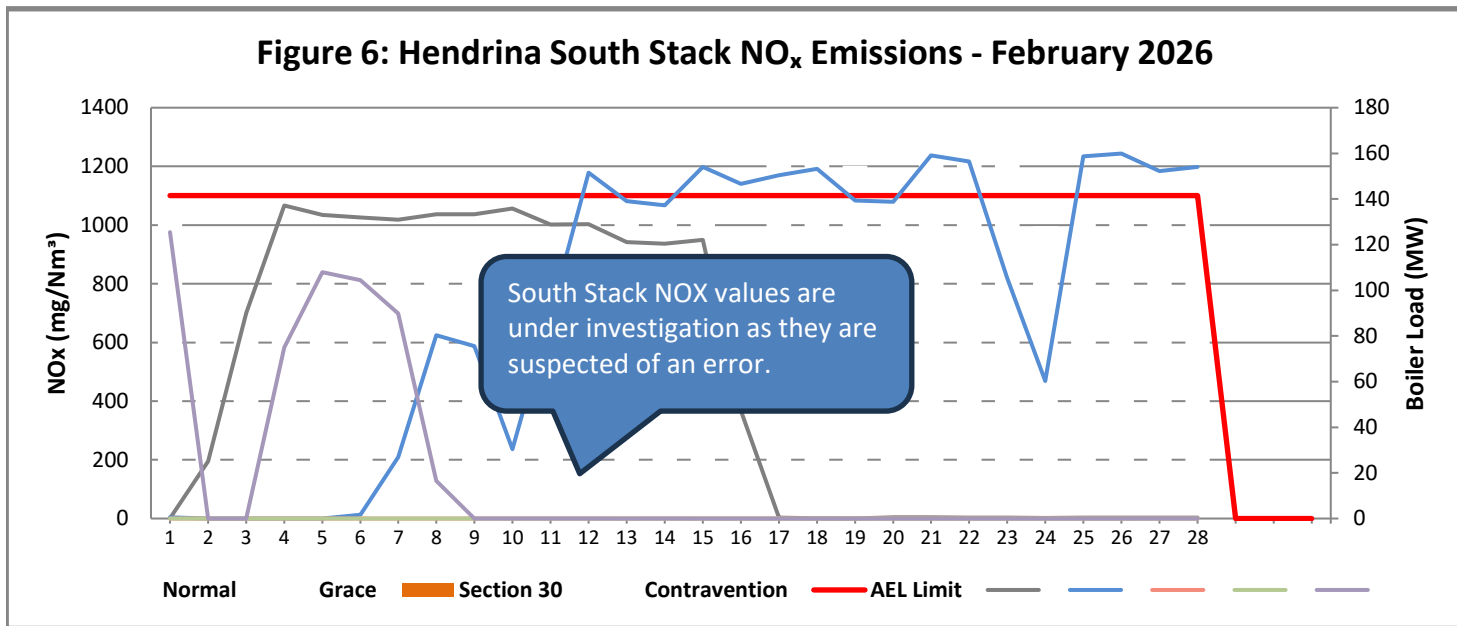


Figure 5: Hendrina North Stack NO_x Emissions - February 2026





7 COMPLAINTS

There were no complaints for this month

Source Code / Name	Root Cause Analysis	Calculation of Impacts / emissions associated with	Dispersion modeling of pollutants where applicable	Measures implemented to prevent reoccurrence

8 GENERAL

Units 2, 4, and 5 on the North Stack were offload during the month of February 2026.

The South Stack is currently using a spot test curve because the units do not meet the minimum operating conditions for a full correlations test (3200 operating hours for FFP bags per unit, and 2 units should be on load at the time of the test). The reports will be updated once valid correlations have been implemented.

Surrogate values measured from QAL2 25/R3193-A3 were used to report the values for CO₂, CO, and H₂O because of a faulty GM35 probe.

South Stack NO_x monitor readings are under investigation because of suspected erroneous data. Once the investigation is concluded, the value will be stated and the report will be resubmitted. Additional information demonstrating compliance as per the annual reporting requirements will be submitted to the authorities within the stipulated timeframe.

9 Complaints and S30 Incidents Register

No Section 30 or Complaints were reported for the Month of February 2026

A. Boja

18 May 2026

Compiled: Environmental Officer
A. Boja

Date

T. Lekalakala

22 May 2026

Authorised by: GM
T. Lekalakala

Date

Compiled by: Boiler Engineering Department

For: Nkangala District Municipality

Copies: Eskom Environmental Management

Group Technology Engineering

Hendrina Power Station:

Moyahabo Cetlyff Maoto

2026/05/19

Checked by: System
Engineer Boiler/ FFP
Moyahabo Cetlyff Maoto

G. Kgwatlhe

Validated by Manager: Boiler Engineering Manager
G. Kgwatlhe

L. Ntila

Supported by: Environmental Manager
L. Ntila

FFP SE/ Environmental Officer

Air Quality Officer

D Herbst
B Mccourt

R Rampiar
E. Patel

Engineering Manager
Operating Manager
Maintenance Manager
Unit Production Manager
Boiler Engineering Manager
System Engineer: Boiler Engineering
Environmental Officer
C & I Engineering Manager
Production Manager
Environmental Manager
PSM