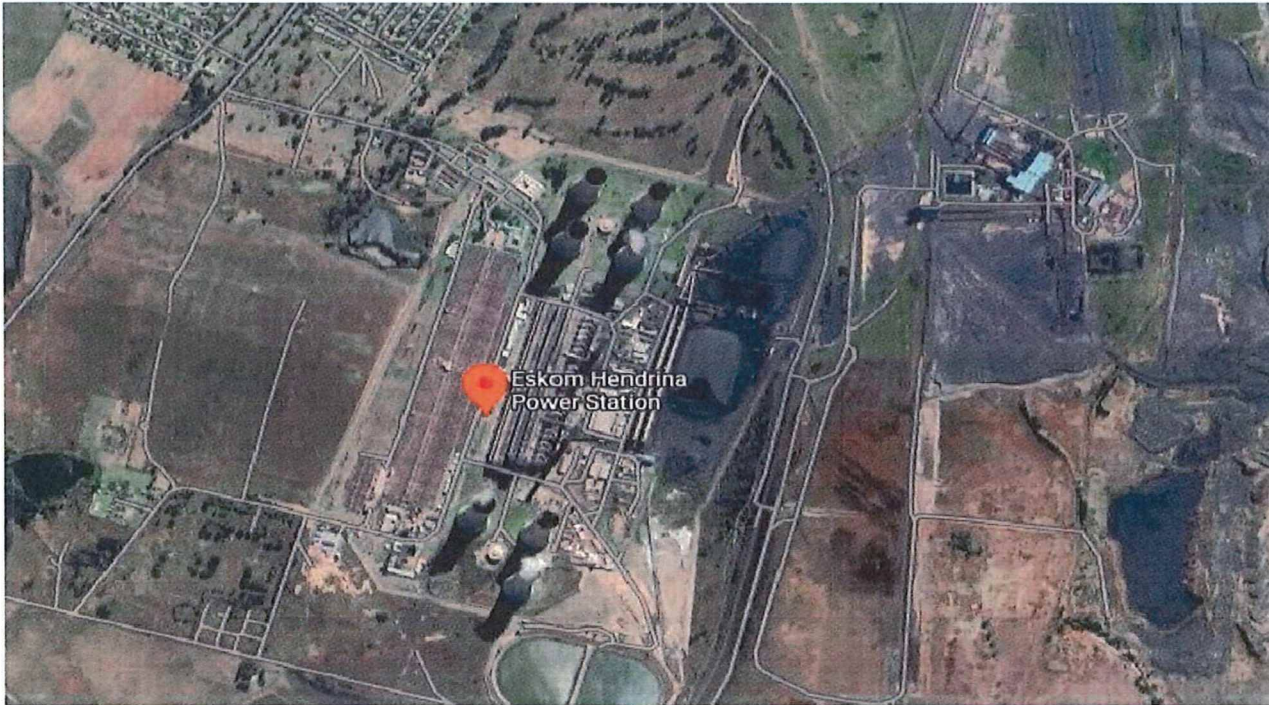


HENDRINA POWER STATION MONTHLY EMISSIONS REPORT

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 Nov-2025
	Coal	Tons	820 000	124 650
Fuel Oil	Tons	3 200	930.300	

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Nov-2025
	Energy	GWh	1355.76	199.146
Ash	Tons	290 000	32 857.740	
RE Ash	kg/MWh	not specified	0.051	

Note: Max energy rate = AEL capacity [1,883MW] × 24 hrs × days in month ÷ 1,000 (to convert to GWh).

2 ENERGY SOURCE CHARACTERISTICS

Coal Characteristic	Units	Stipulated Range	Monthly Average Content
CV Content	MJ/kg	18-22 (MJ/kg)	21.4
Sulphur Content	%	0.6 to < 1 (%)	0.8
Ash Content	%	20 to < 35 (%)	26.4

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)	100%
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	100.0	99.3	75.4	77.4
South	100.0	99.3		78.7

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 November 2025

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	0.7	361	246
Unit 5	Off	Off	Off
Unit 6	3.9	746	
Unit 7	Off	Off	Off
Unit 8	Off	Off	Off
Unit 9	Off	Off	Off
Unit 10	5.7	1 104	
SUM	10.25	2 211	246

South Stack NO_x Monitor reliability value has been removed because of a suspected error which is still under investigation. This report will be updated with a verified value after the investigation is concluded.

Values for the South Stack NO_x (Units 6, and 10) will be submitted one the investigation is concluded as indicated on item 5 above.

Table 6 2 PM AEL Daily Compliance - November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	13	0	0	0	0	3.1
South	29	0	0	0	0	8.3
SUM	42	0	0	0	0	

Table 6 3 SO₂ AEL Daily Compliance - November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	15	0	0	0	0	1.4074
South	30	0	0	0	0	1.4888
SUM	45	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	15	0	0	0	0	644.8
South						
SUM	44	1	0	0	1	

South Stack NO_x readings are suspected of an error and still 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 - November 2025

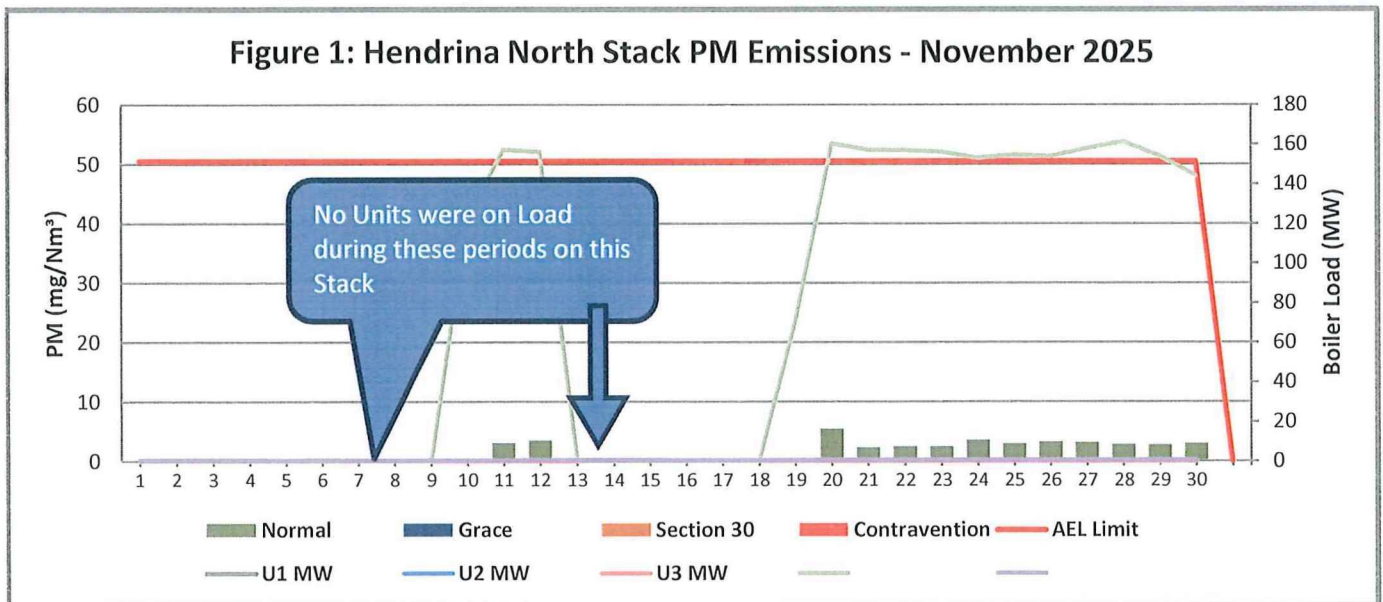


Figure 2: Hendrina South Stack PM Emissions - November 2025

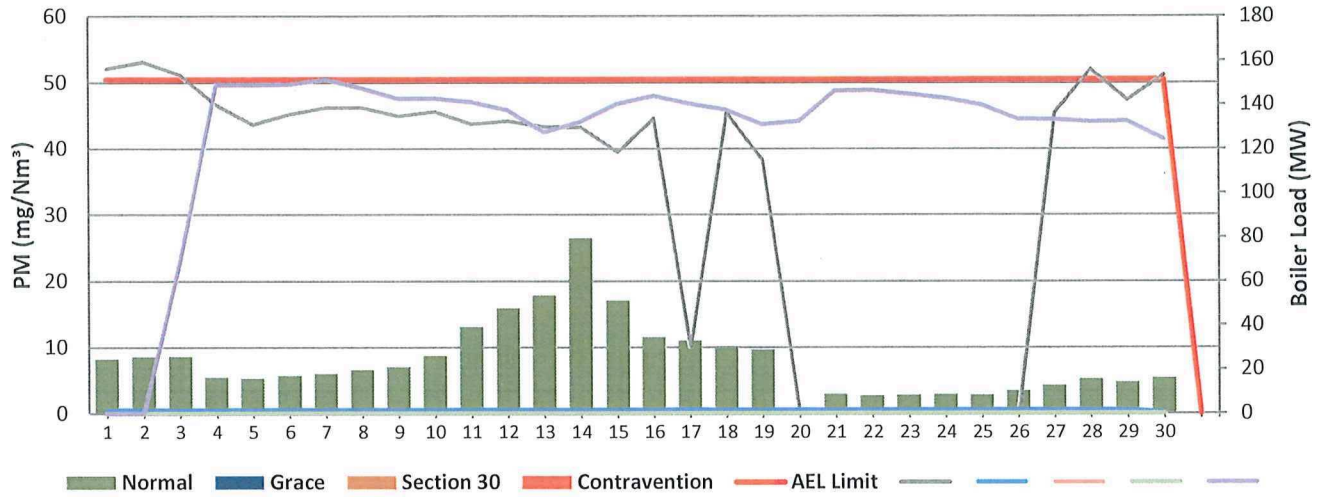


Figure 3: Hendrina North Stack SO₂ Emissions - November 2025

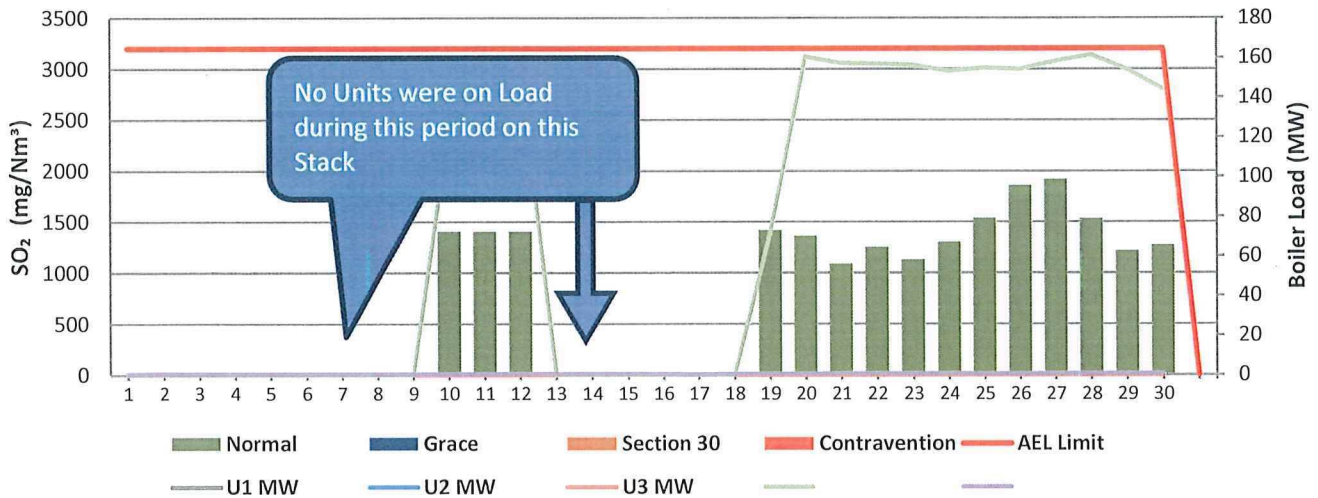


Figure 4: Hendrina South Stack SO₂ Emissions - November 2025

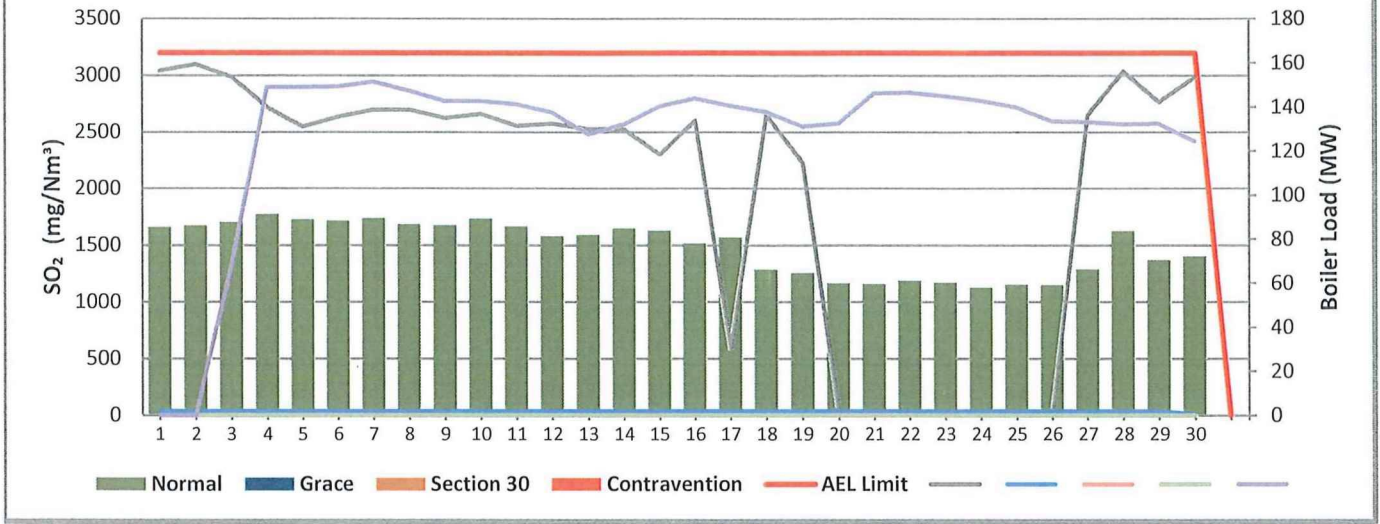


Figure 5: Hendrina North Stack NO_x Emissions - November 2025

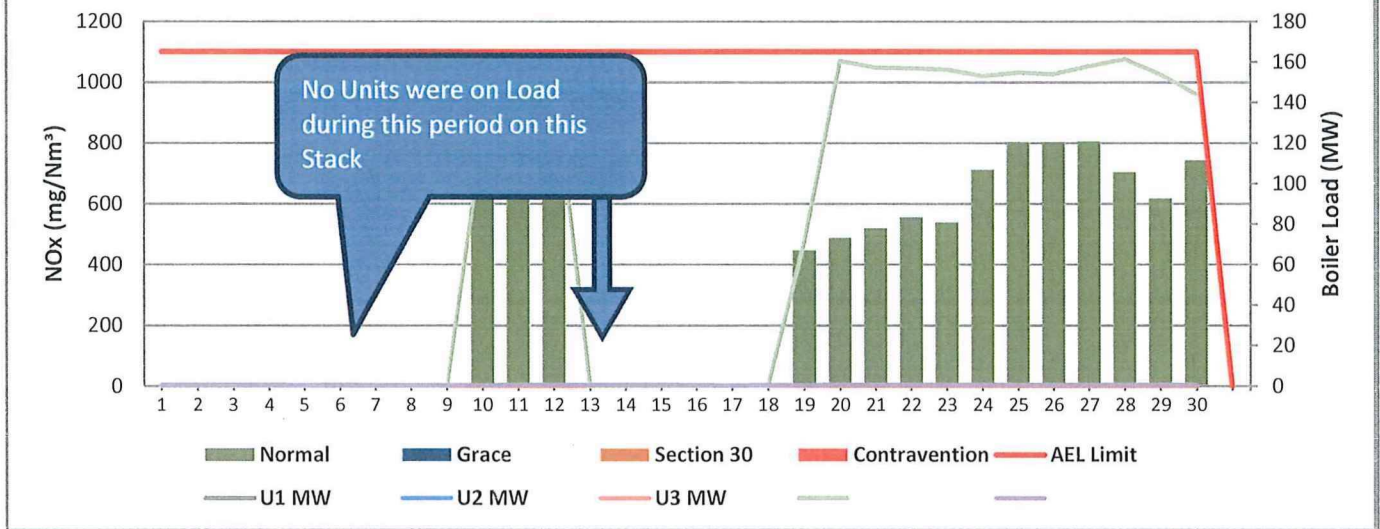
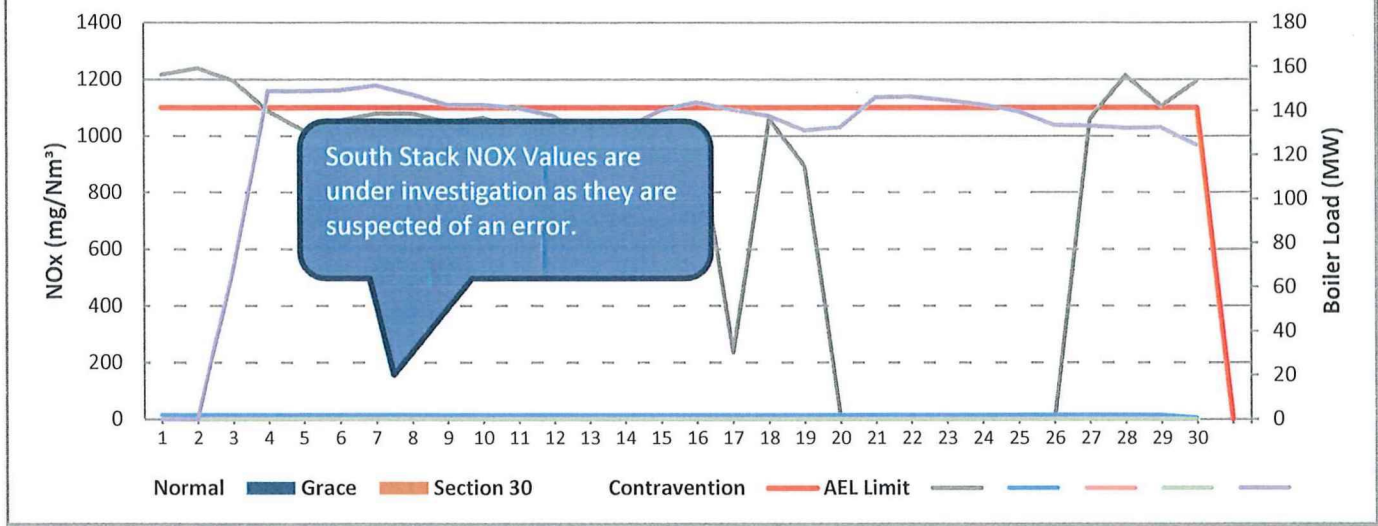


Figure 6: Hendrina South Stack NO_x Emissions - November 2025



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	Measures implemented to prevent reoccurrence

8 GENERAL

Units 2 and 5 on the North Stack and Unit 7 on the South Stack were offload during the month of November 2025.

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 conducted and implemented.

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 November 2025

A. Boja

17 April 2026

Compiled: Environmental Officer Date
A. Boja

Moyahabo

20 April 2025

Checked by: System
Engineer Boiler/ FFP
Moyahabo Cetlyff Maoto

pp

Moyahabo

2026/04/20

Validated by Manager: Boiler Engineering Manager
G. Kgwatlhe

G. Kgwatlhe

21/04/2026

Supported by: Environmental Manager
L. Ntila

T. Lekalakala

22/04/2026

Authorised by: GM Date
T. Lekalakala

Compiled by Boiler Engineering Department

For. Nkangala District Municipality

Copies Eskom Environmental Management

Group Technology Engineering

Hendrina Power Station

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