

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 Jan-2026
	Coal	Tons	820 000	104 931
Fuel Oil	Tons	3 200	874.110	

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Jan-2026
	Energy	GWh	1400.952	192.917
Ash	Tons	290 000	27 177.129	
RE Ash	kg/MWh	not specified	0.07	

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)	21.5
Sulphur Content	%	0.6 to < 1 (%)	0.8
Ash Content	%	20 to < 35 (%)	25.9

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	99.7	99.3	99.0
South	100.0	99.7		95.1

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 January 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	4.0	557	369
Unit 5	Off	Off	Off
Unit 6	6.1	716	
Unit 7	Exempt	1	
Unit 8	Off	Off	Off
Unit 9	Off	Off	Off
Unit 10	4.3	834	
SUM	14.38	2 108	369

South Stack NO_x Monitor reliability value is not reported 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, 7, and 10) will be submitted one the investigation is concluded as indicated on item 5 above.

Table 6 2 PM AEL Daily Compliance - January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	19	0	0	0	0	12.0
South	30	0	0	0	0	9.9
SUM	49	0	0	0	0	

Table 6 3 SO₂ AEL Daily Compliance - January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	20	0	0	0	0	1.6011
South	31	0	0	0	0	1.5362
SUM	51	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
North	20	0	0	0	0	741.0
South						
SUM	20	0	0	0	0	

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 - January 2026

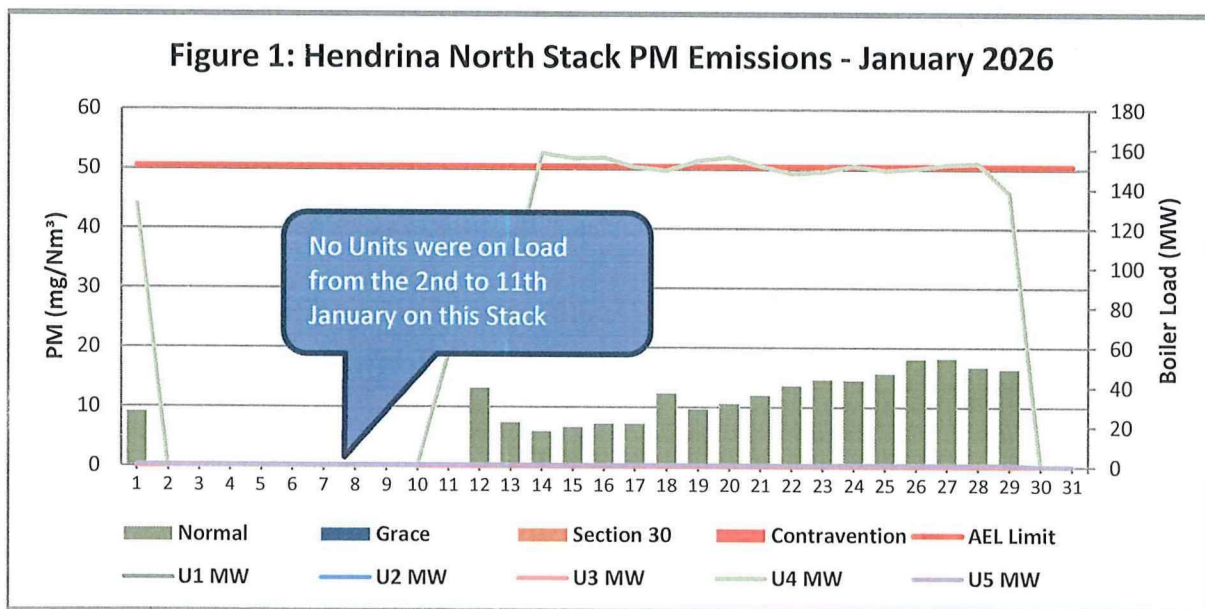


Figure 2: Hendrina South Stack PM Emissions - January 2026

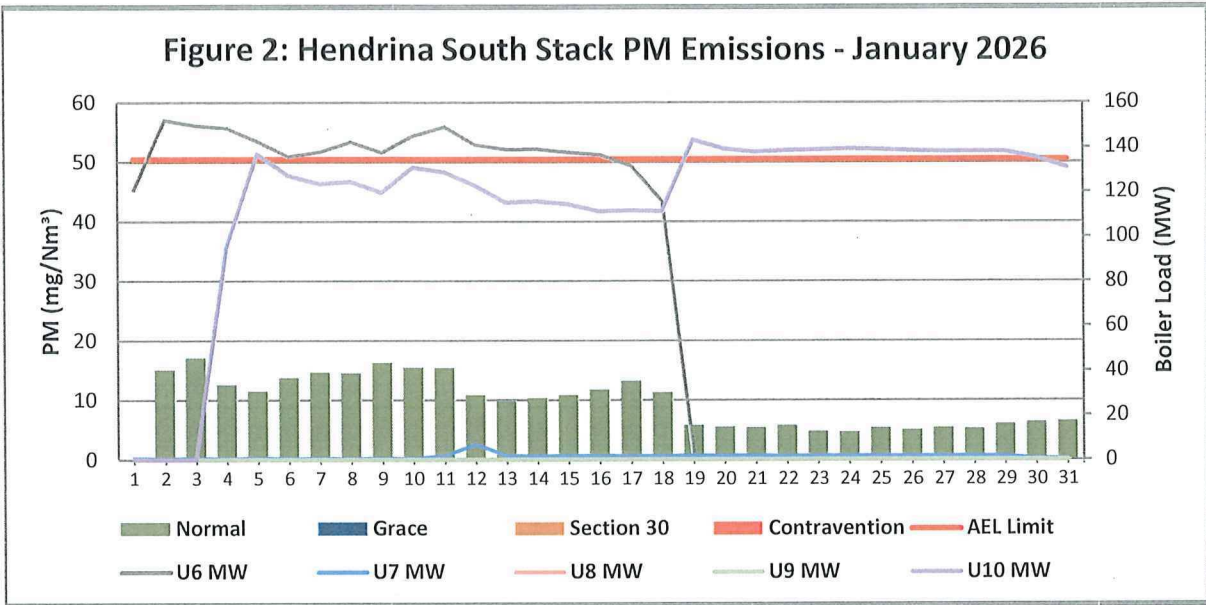


Figure 3: Hendrina North Stack SO₂ Emissions - January 2026

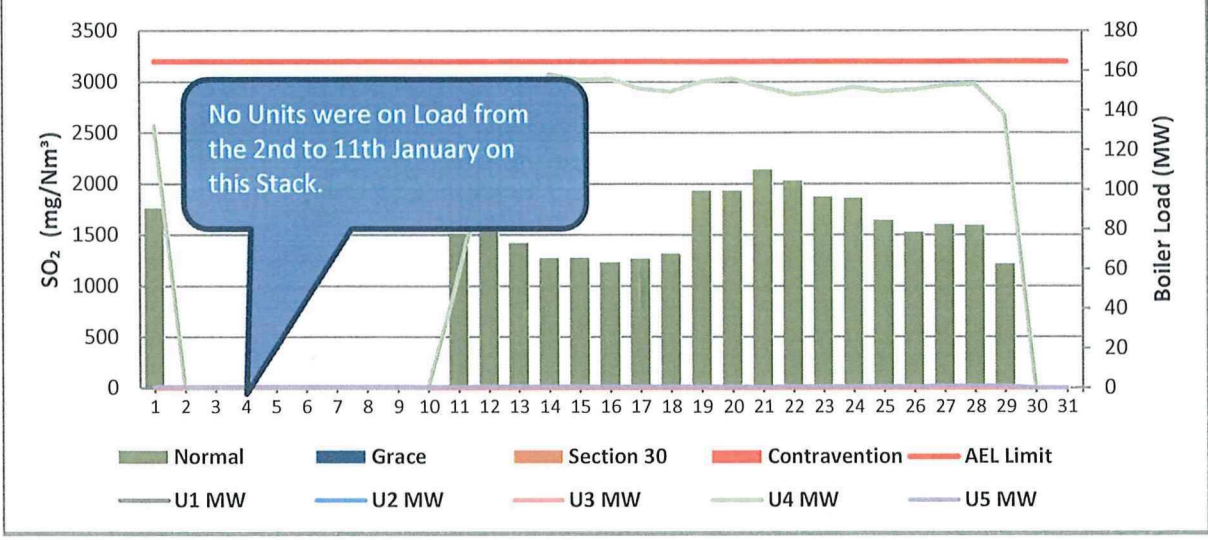


Figure 4: Hendrina South Stack SO₂ Emissions - January 2026

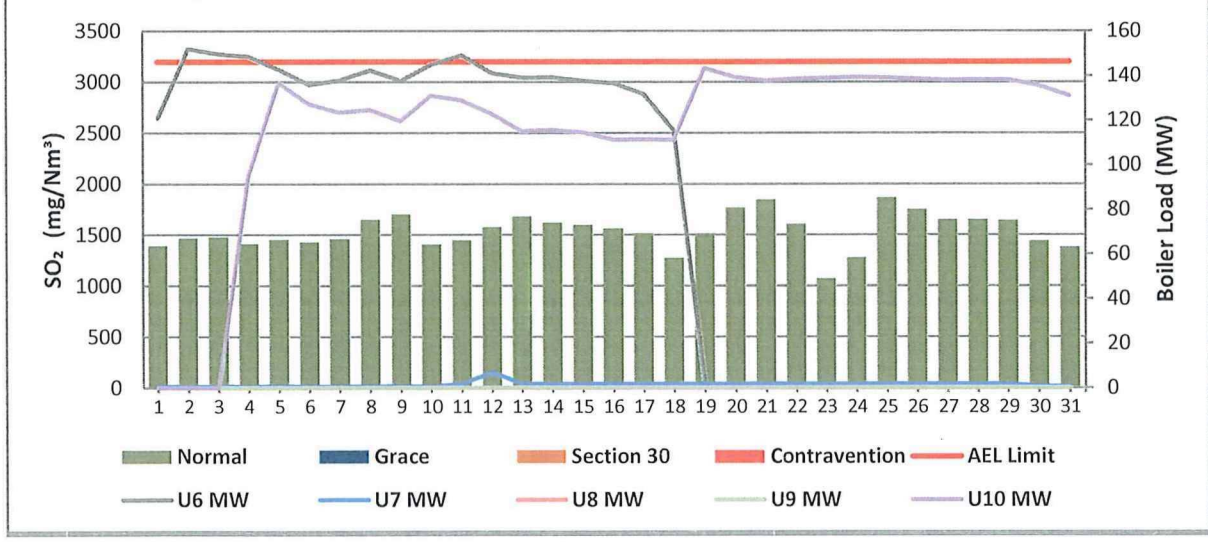


Figure 5: Hendrina North Stack NO_x Emissions - January 2026

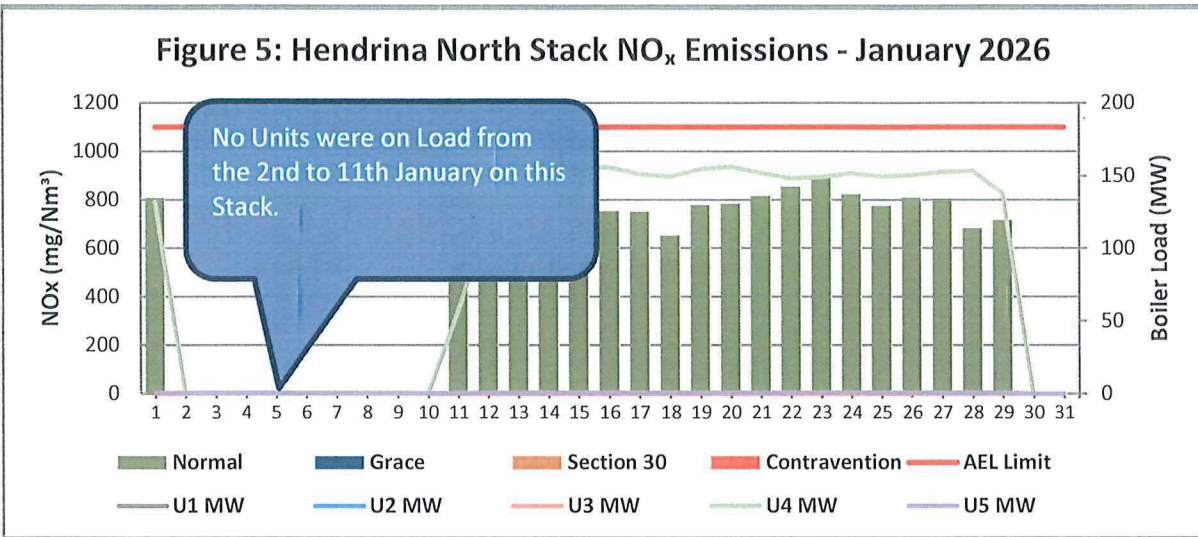
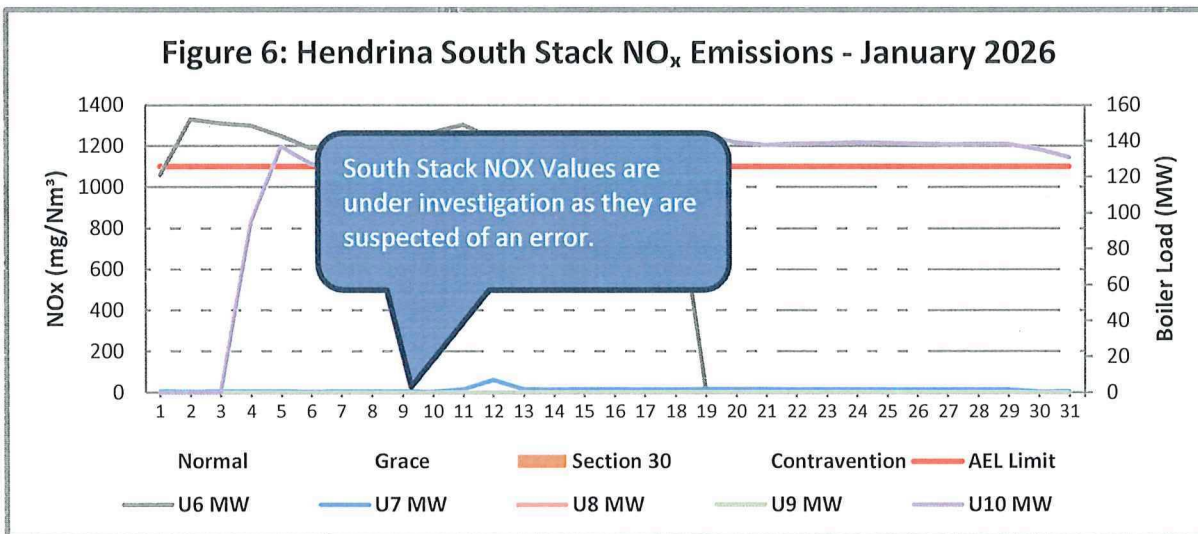


Figure 6: Hendrina South Stack NO_x Emissions - January 2026



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	Measures implemented

8 GENERAL


Units 2 and 5 on the North Stack and unit 7 on the South Stack were offload during the month of January 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 conducted and implemented
 South Stack NOx 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 January 2026

A. Boja 02 April 2026

Compiled by: Environmental Officer Date
 A. Boja

 2026/04/08


Checked by: System Engineer Boiler/ FFP
 Moyaabo Cetlyff Maoto

pp  2026/04/14

Validated by Manager: Boiler Engineering
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T. Lekalakala 22/04/2026

Authorised by: GM Date
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Supported by:  20/04/2026
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Compiled by: Boiler Engineering Department
 For Nkangala District Municipality

FFP SE/ Environmental Officer
 Air Quality Officer

Copies. Eskom Environmental Management
 Group Technology Engineering
 Hendrina Power Station

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