

CAMDEN POWER STATION MONTHLY EMISSIONS REPORT

Atmospheric Emission License: CPS/0012/2024/F04



1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Jan-2026
	Coal	Tons	550 000	184 624
	Fuel Oil	Tons	6 500	1098.360
Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Jan-2026
	Energy	GWh	1 161.384	326.257
	Ash	Tons	200 000	39 398.713
	RE Ash	kg/MWh	not specified	0.076

Note: Max energy rate = AEL capacity [1,561 MW] × 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	23.6 (MJ/kg)	22.910
Sulphur Content	%	<2 (%)	0.900
Ash Content	%	<34 (%)	21.340

3 EMISSION LIMITS (mg/Nm³)

Associated Unit/Stack	Daily Limit		
	PM	SO ₂	NO _x
Stack 1	50	3500	1100
Stack 2	50	3500	1100
Stack 3	50	3500	1100
Stack 4	50	3500	1100

4 ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	Efficiency Jan-2026
Unit 1	<i>Fabric Filter Plant (FFP)</i>	99.935%
Unit 2	<i>Fabric Filter Plant (FFP)</i>	99.939%
Unit 3	<i>Fabric Filter Plant (FFP)</i>	99.801%
Unit 4	<i>Fabric Filter Plant (FFP)</i>	Off-line
Unit 5	<i>Fabric Filter Plant (FFP)</i>	99.935%
Unit 6	<i>Fabric Filter Plant (FFP)</i>	Off-line
Unit 7	<i>Fabric Filter Plant (FFP)</i>	99.985%
Unit 8	<i>Fabric Filter Plant (FFP)</i>	99.983%

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

5 DATA RELIABILITY (%)

Associated Unit/Stack	PM	SO ₂	NO	O ₂
Stack 1	100.0	94.8	97.6	99.3
Stack 2	100.0	94.8	96.4	29.5
Stack 3	100.0	53.6	90.6	27.3
Stack 4	100.0	21.1	9.6	86.3

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	6.2	1 118	567
Unit 2	5.3	861	446
Unit 3	7.5	474	237
Unit 4	Off	Off	Off
Unit 5	4.8	646	346
Unit 6	Exempt	32	14

Unit 7	0.6	345	195
Unit 8	0.3	165	93
SUM	24.68	3 641	1 898

Table 6.2: PM AEL Daily Compliance - January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	29	0	0	0	0	8.5
Stack 2	12	0	0	0	0	26.8
Stack 3	19	0	0	0	0	10.4
Stack 4	12	0	0	0	0	2.5
SUM	72	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)
Stack 1	29	0	0	0	0	1 532.6
Stack 2	13	0	0	0	0	1 578.7
Stack 3	20	0	0	0	0	1 255.1
Stack 4	17	0	0	0	0	983.9
SUM	79	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)
Stack 1	29	0	0	0	0	776.1
Stack 2	13	0	0	0	0	786.5
Stack 3	20	0	0	0	0	659.5
Stack 4	17	0	0	0	0	557.9
SUM	79	0	0	0	0	

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: Camden Stack 1 PM Emissions - January 2026

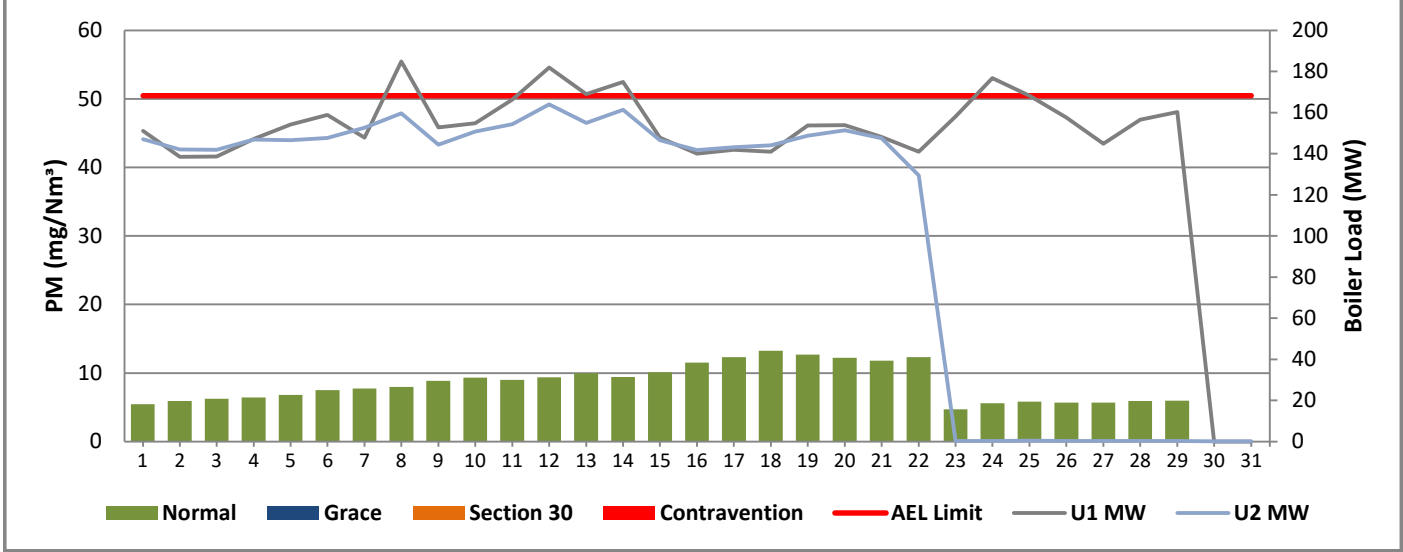


Figure 2: Camden Stack 2 PM Emissions - January 2026

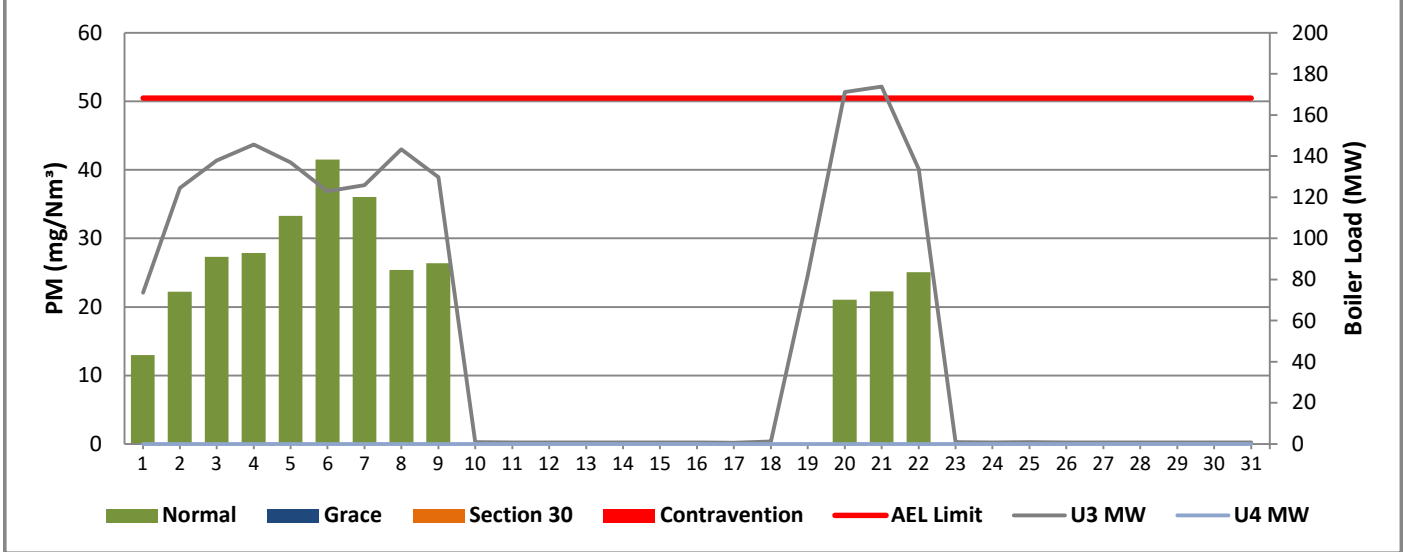


Figure 3: Camden Stack 3 PM Emissions - January 2026

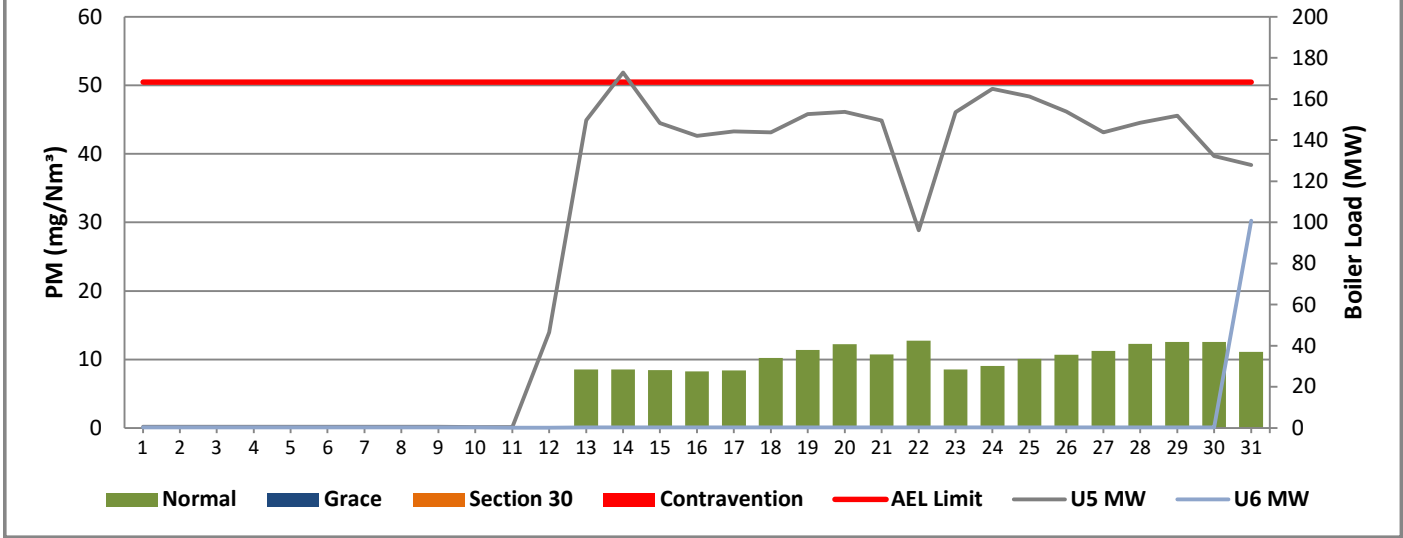


Figure 4: Camden Stack 4 PM Emissions - January 2026

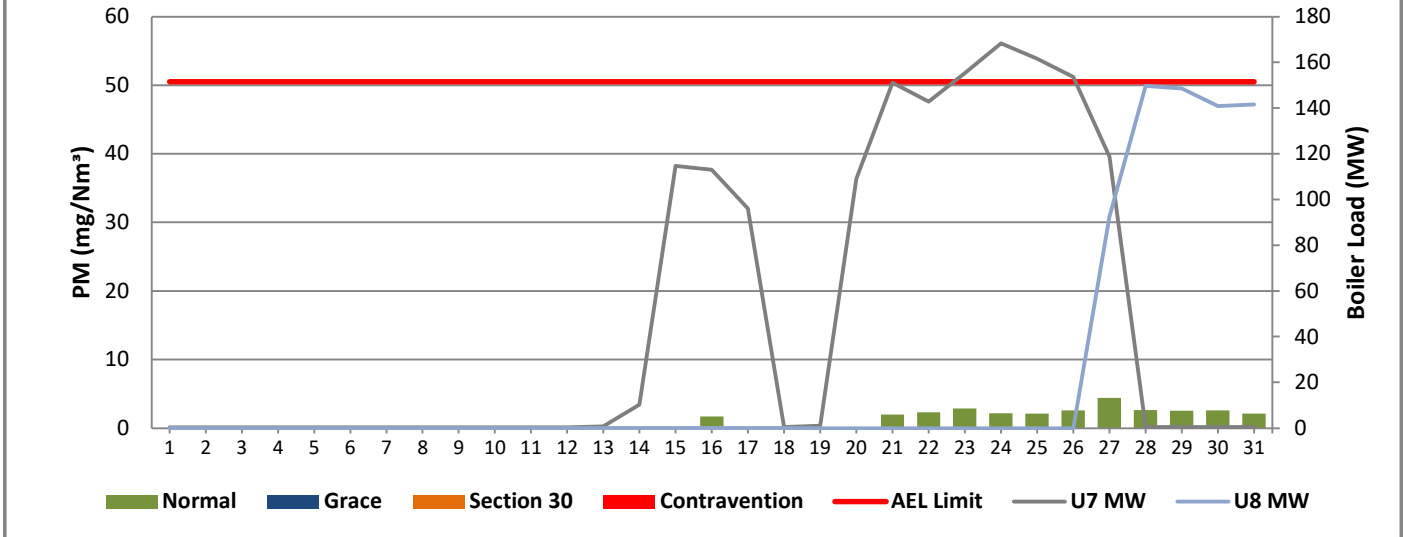


Figure 5: Camden Stack 1 SO₂ Emissions - January 2026

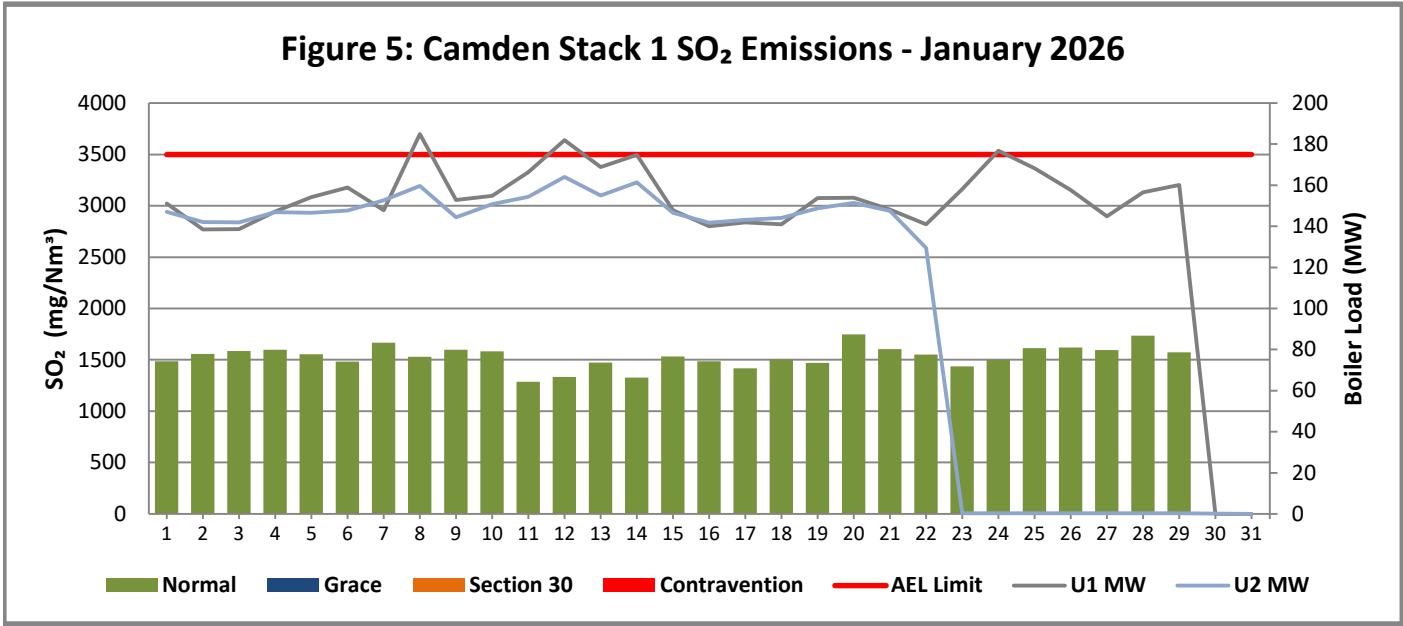


Figure 6: Camden Stack 2 SO₂ Emissions - January 2026

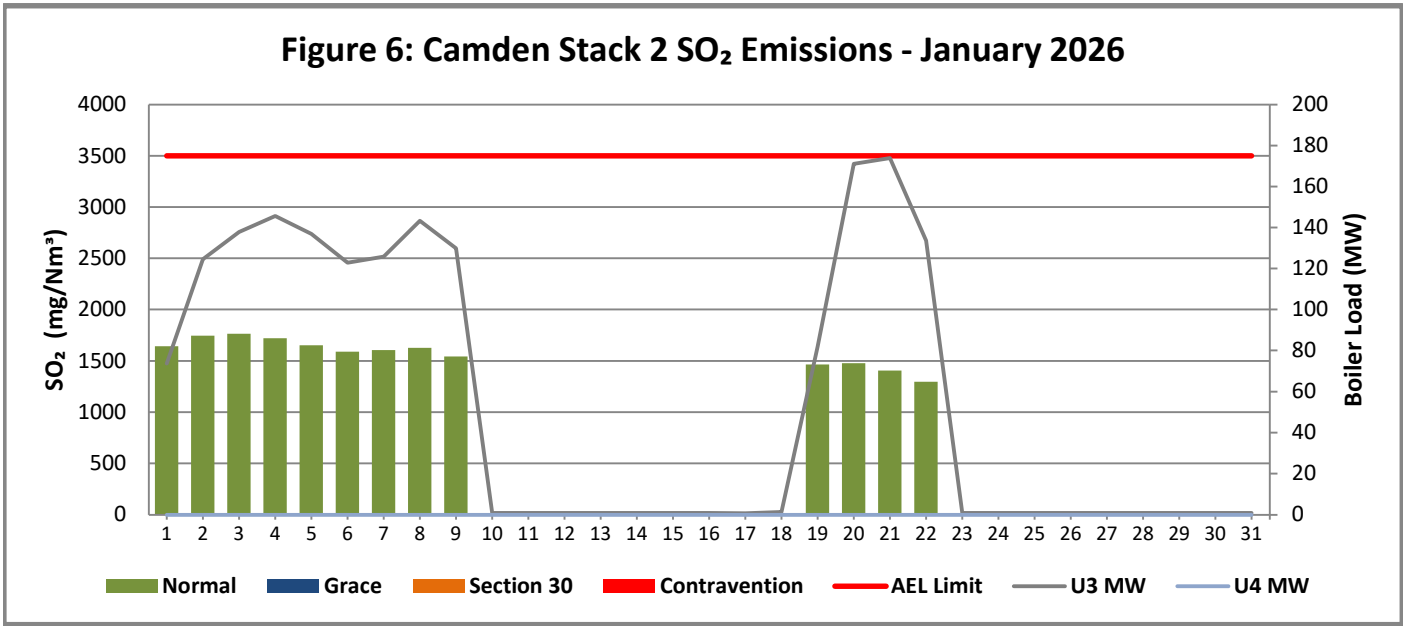


Figure 7: Camden Stack 3 SO₂ Emissions - January 2026

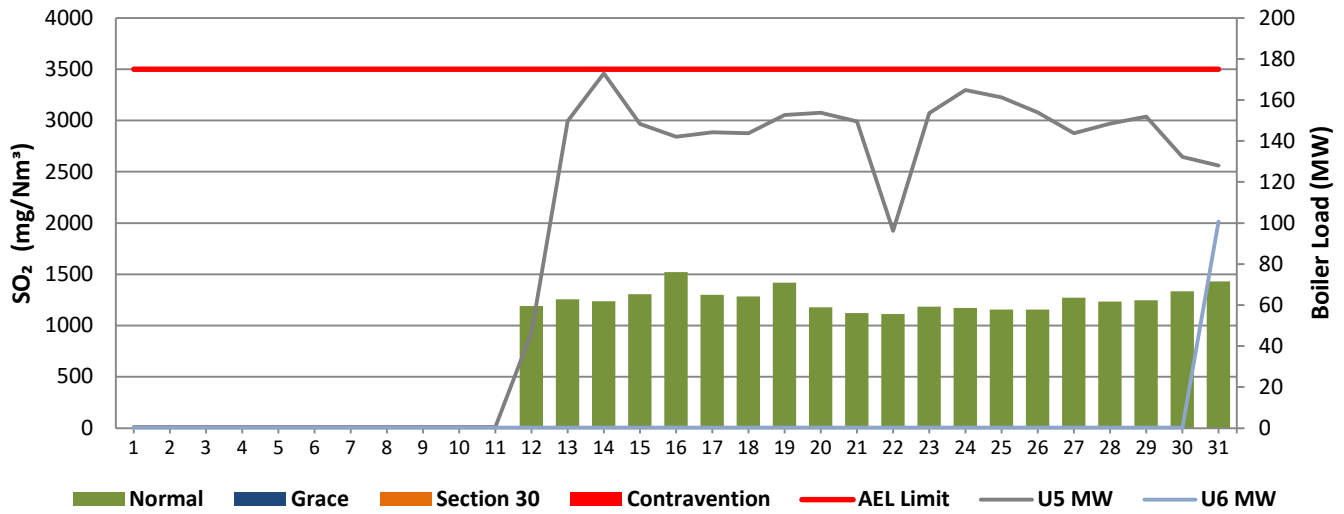


Figure 8: Camden Stack 4 SO₂ Emissions - January 2026

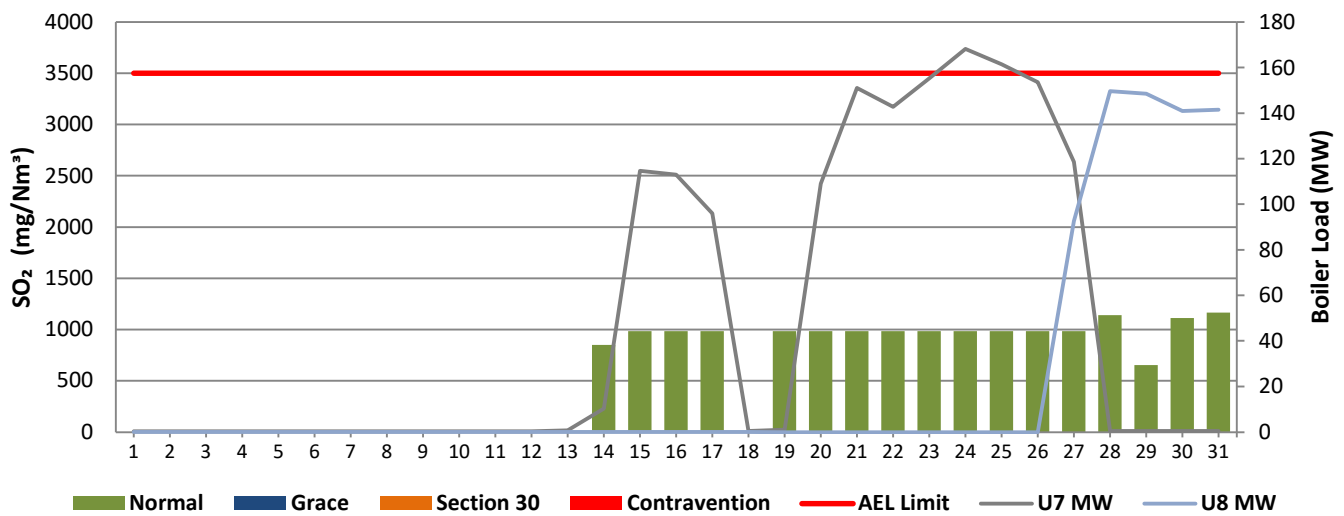


Figure 9: Camden Stack 1 NO_x Emissions - January 2026

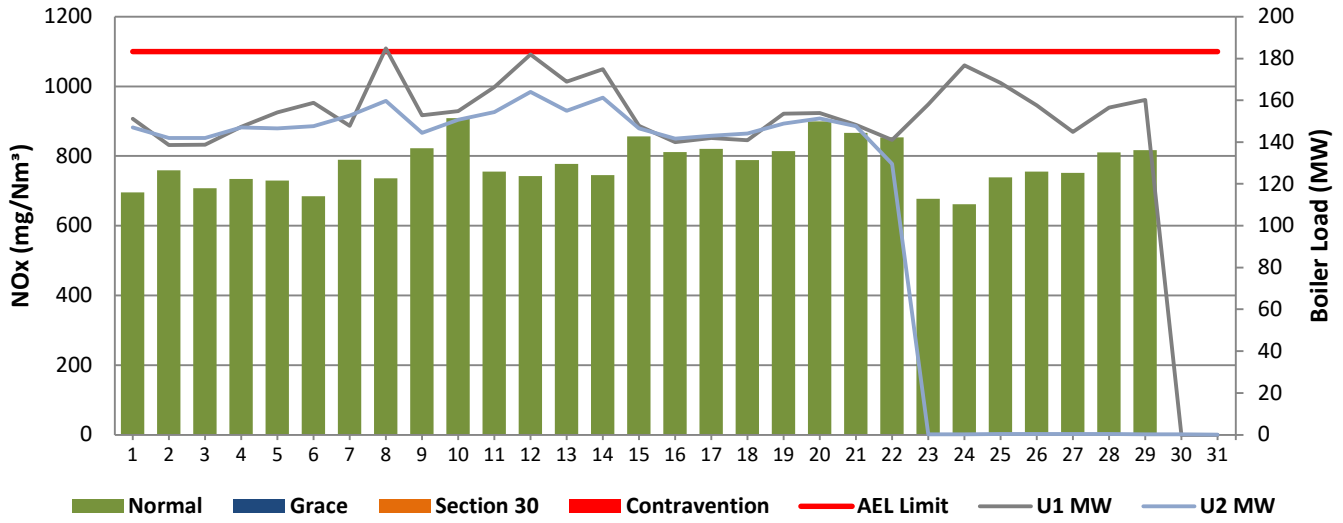


Figure 10: Camden Stack 2 NO_x Emissions - January 2026

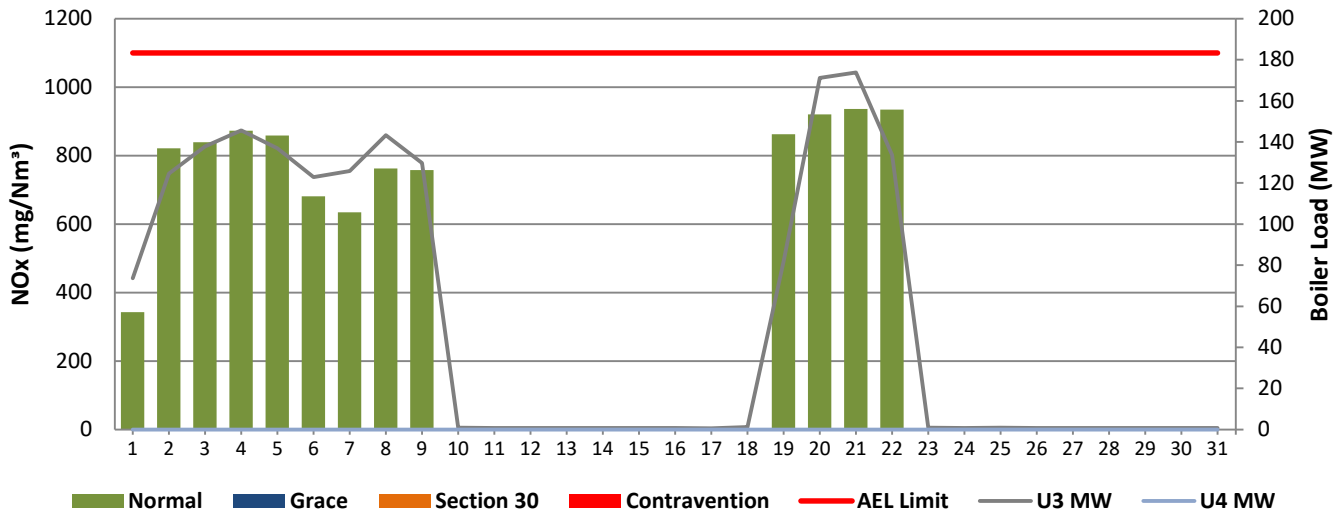


Figure 11: Camden Stack 3 NO_x Emissions - January 2026

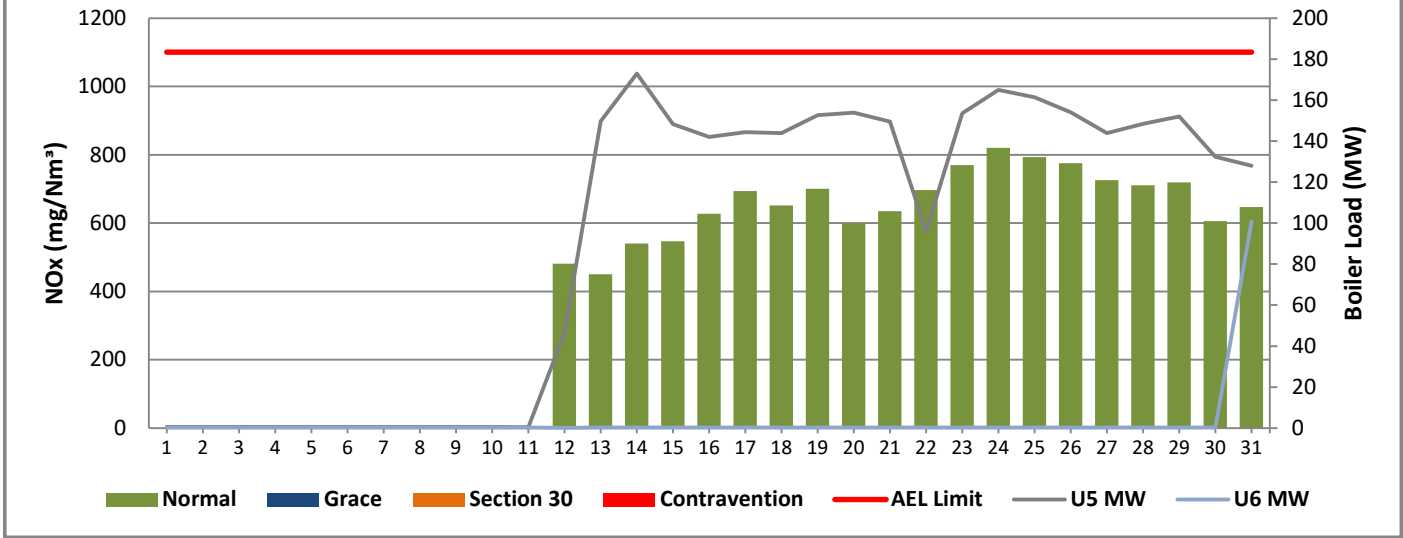
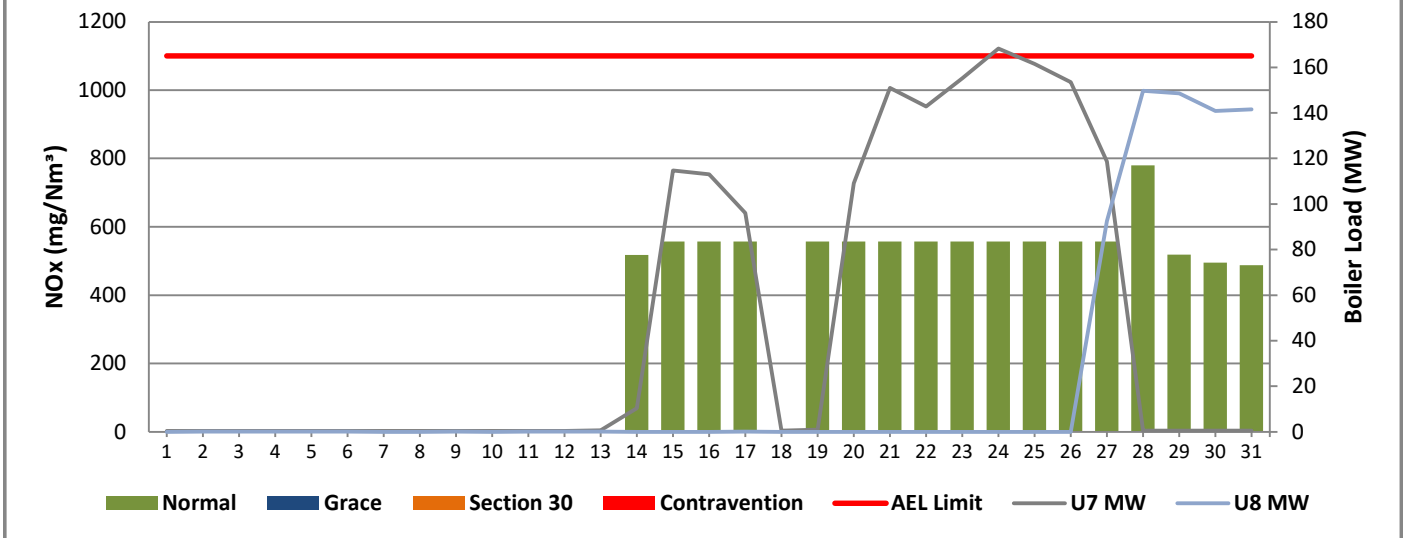


Figure 12: Camden Stack 4 NO_x Emissions - January 2026



7 COMPLAINTS

There were no complaints for this months

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

8 GENERAL

No PM, SOx & NOx Exceedances for the month of November 2025, except for Stack 3 PM on 20/11/2025
Stack 2 O2 values maxed out, bad data removed. Stack 4 monitor faulty, resulting in maxed out data for most of the gasses, bad data removed.

No fugitive emission dust fallout exceedances recorded.

Leak detection: No leaks identified at fuel oil tanks for January 2026

Unit 4 on GO Unit 6 & 8 was off for most of the month, Unit 7 & 3 partially off for the month.

FFP bag replacement: 162

Unit 1: 0 bags Unit 5: 0 bags


Unit 2: 42 bags Unit 6: 0 bags


Unit 3: 120 bags Unit 7: 0 bags


Unit 4: 0 bags Unit 8: 0 bags

9 Complaints and S30 Incidents Register

Refer to Addendum (If any)


19/02/2026
Boiler Plant Engineering Manager Date

pp 
2026/02/19
Environmental Manager Date

p.p 
20/02/2026
Engineering Manager Date

Compiled by: Environmental Officer

For: Gert Sibande District Municipality

Air Quality Officer

Copies: Generation Environmental Management

D Herbst
B Mccourt

Generation Compliance Management
Generation Asset Management

R Rampiar
E Patel

Camden Power Station:

Engineering Manager
Operating Manager
Maintenance Manager
Production Manager

Boiler Engineering Manager
System Engineer
Environmental Manager