

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 Apr-2026
	Coal	Tons	550 000	130 780
	Fuel Oil	Tons	6 500	452.500
Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Apr-2026
	Energy	GWh	1 123.920	223.038
	Ash	Tons	200 000	28 052.310
	RE Ash	kg/MWh	not specified	0.033

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)	22.380
Sulphur Content	%	<2 (%)	0.900
Ash Content	%	<34 (%)	21.450

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 Apr-2026
Unit 1	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 2	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 3	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 4	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 5	<i>Fabric Filter Plant (FFP)</i>	99.954%
Unit 6	<i>Fabric Filter Plant (FFP)</i>	99.964%
Unit 7	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 8	<i>Fabric Filter Plant (FFP)</i>	99.987%

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	<i>Off</i>	<i>Off</i>	<i>Off</i>	<i>Off</i>
Stack 2	<i>Off</i>	<i>Off</i>	<i>Off</i>	<i>Off</i>
Stack 3	100.0	89.8	91.5	94.2
Stack 4	100.0	61.4	100.0	100.0

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 April 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	4.3	1 095	550
Unit 6	1.7	529	245

Unit 7	Off	Off	Off
Unit 8	1.4	959	1 096
SUM	7.37	2 582	1 890

Table 6.2: PM AEL Daily Compliance - April 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	Off	Off	Off	Off	Off	Off
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	27	0	0	0	0	6.3
Stack 4	30	0	0	0	0	1.4
SUM	57	0	0	0	0	

Table 6.3: SO₂ AEL Daily Compliance - April 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	Off	Off	Off	Off	Off	Off
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	28	0	0	0	0	1 593.2
Stack 4	30	0	0	0	0	918.4
SUM	58	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - April 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	Off	Off	Off	Off	Off	Off
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	28	0	0	0	0	791.2
Stack 4	29	1	0	0	1	1 050.2
SUM	57	1	0	0	1	

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 - April 2026

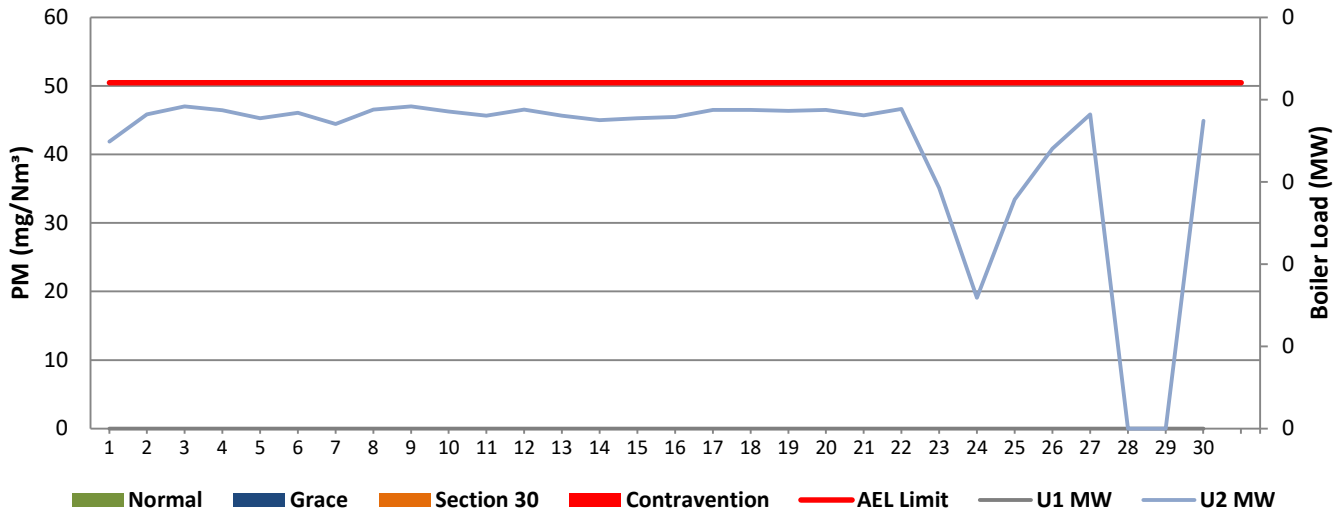


Figure 2: Camden Stack 2 PM Emissions - April 2026

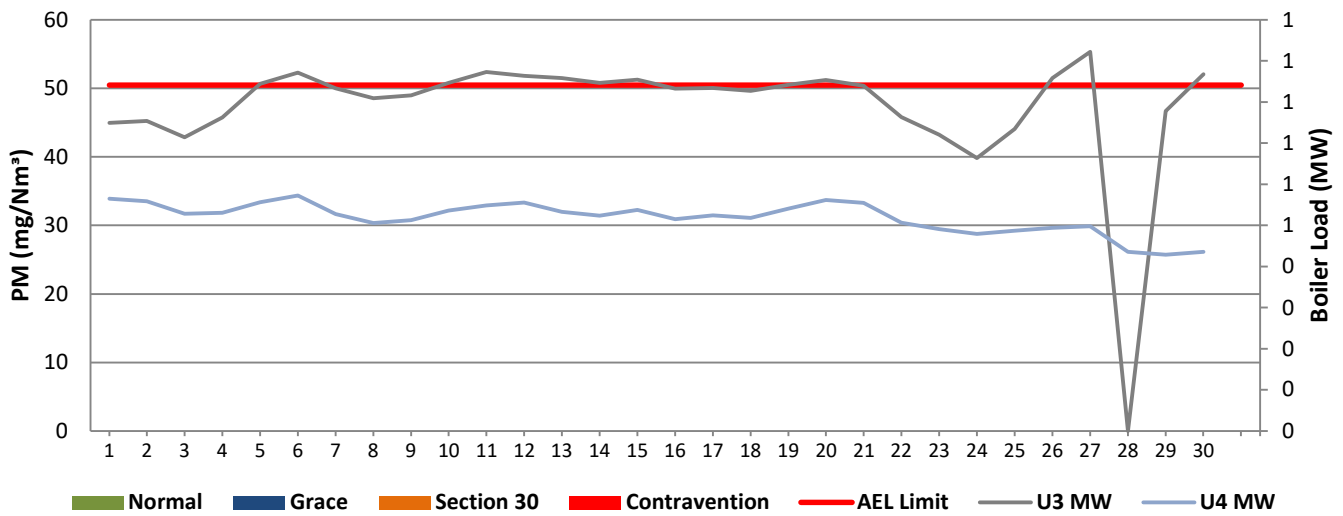


Figure 3: Camden Stack 3 PM Emissions - April 2026

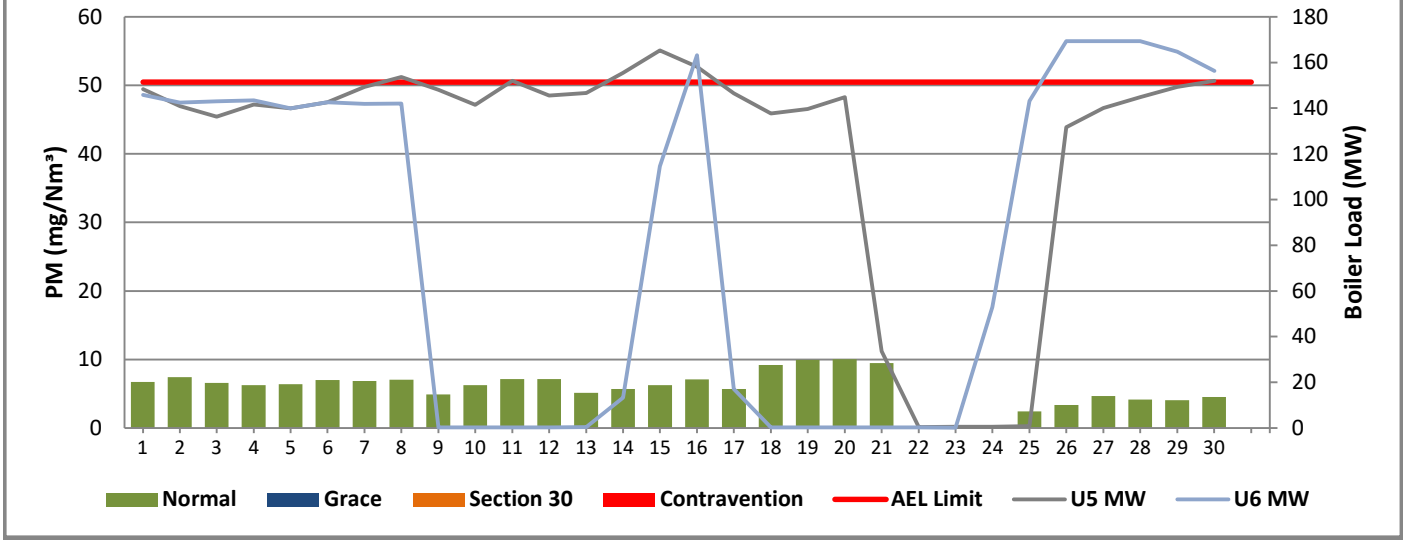


Figure 4: Camden Stack 4 PM Emissions - April 2026

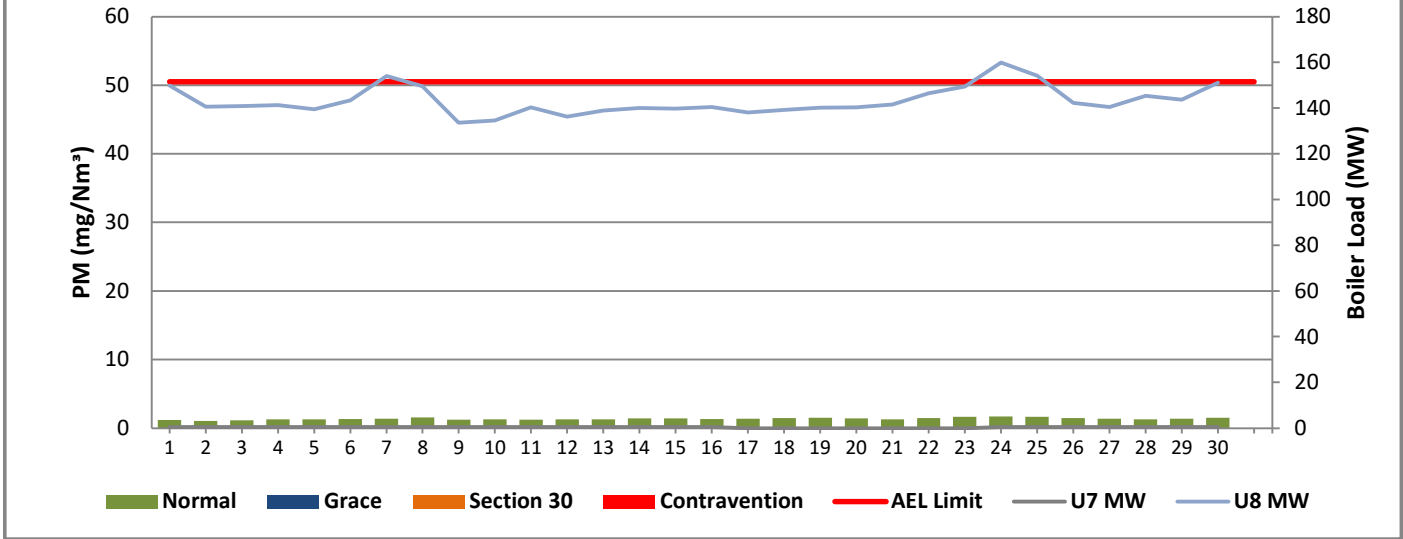


Figure 5: Camden Stack 1 SO₂ Emissions - April 2026

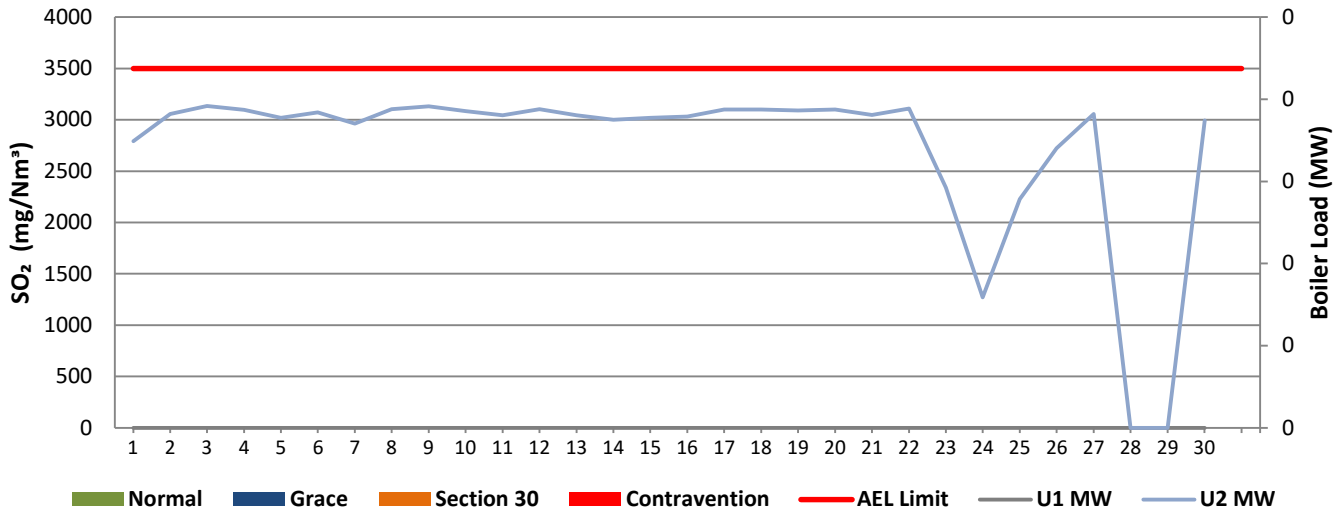


Figure 6: Camden Stack 2 SO₂ Emissions - April 2026

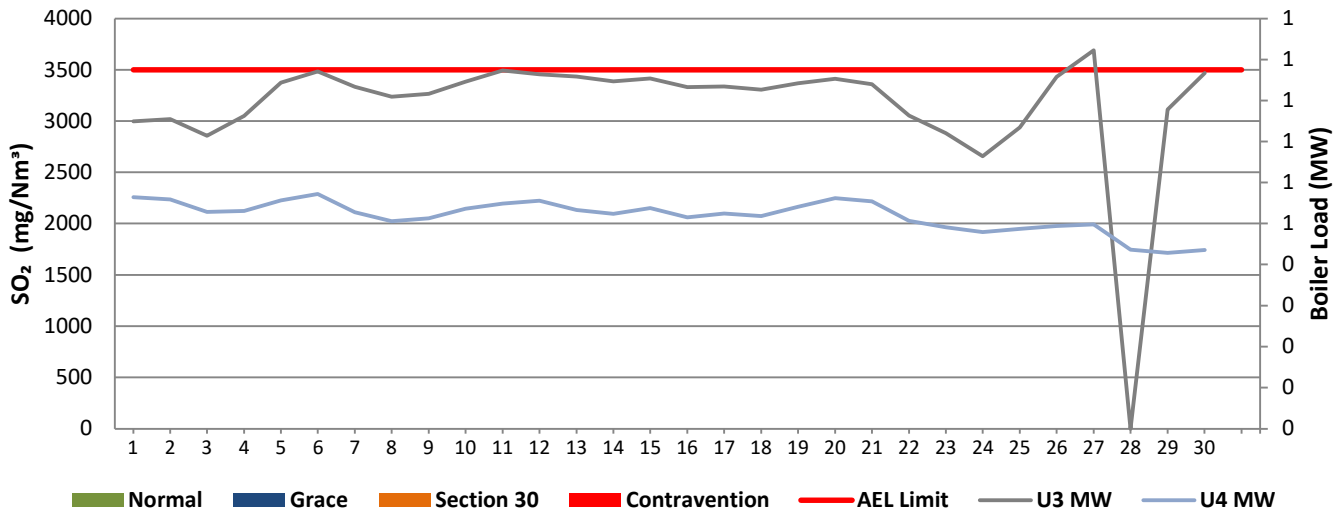


Figure 7: Camden Stack 3 SO₂ Emissions - April 2026

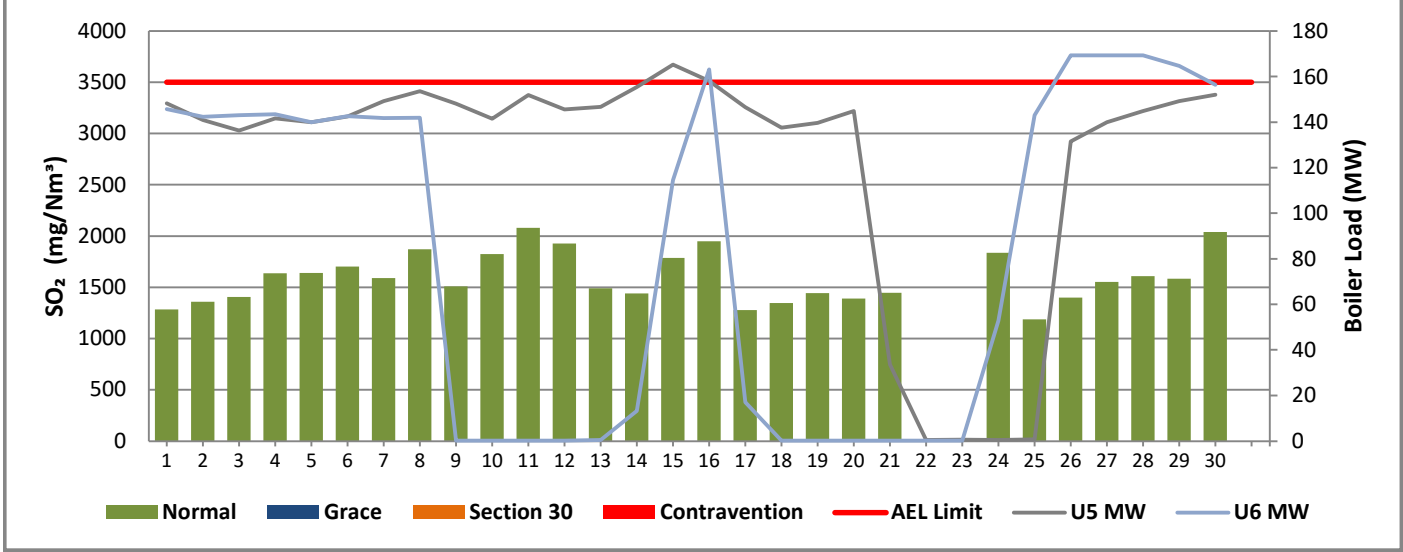


Figure 8: Camden Stack 4 SO₂ Emissions - April 2026

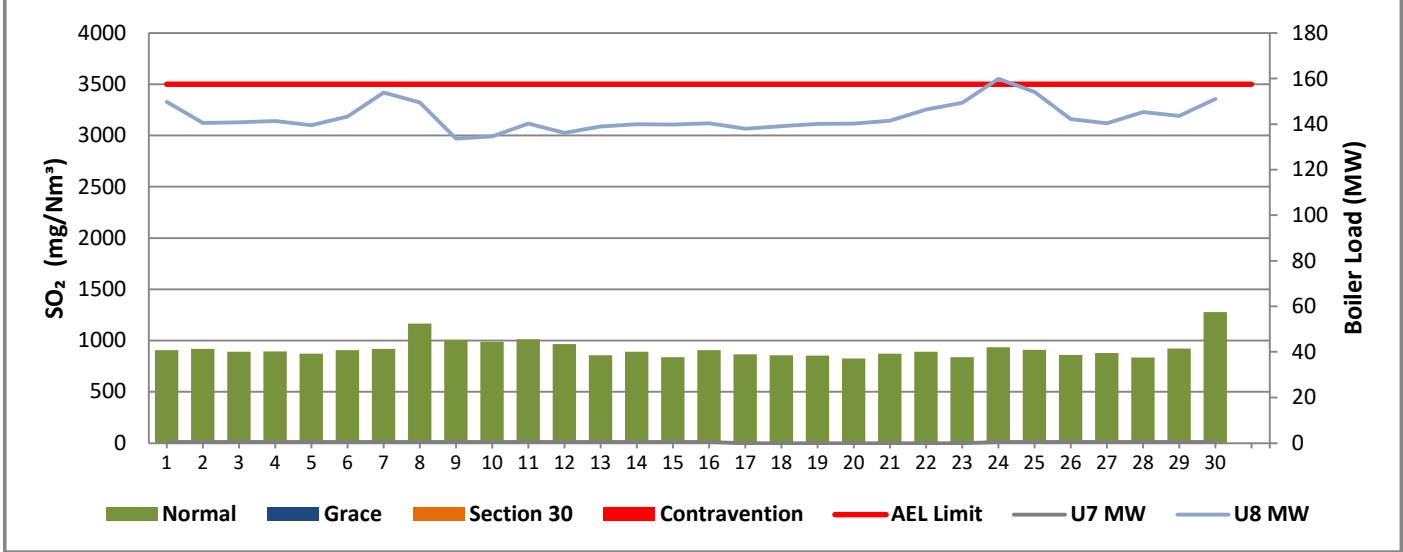


Figure 9: Camden Stack 1 NO_x Emissions - April 2026

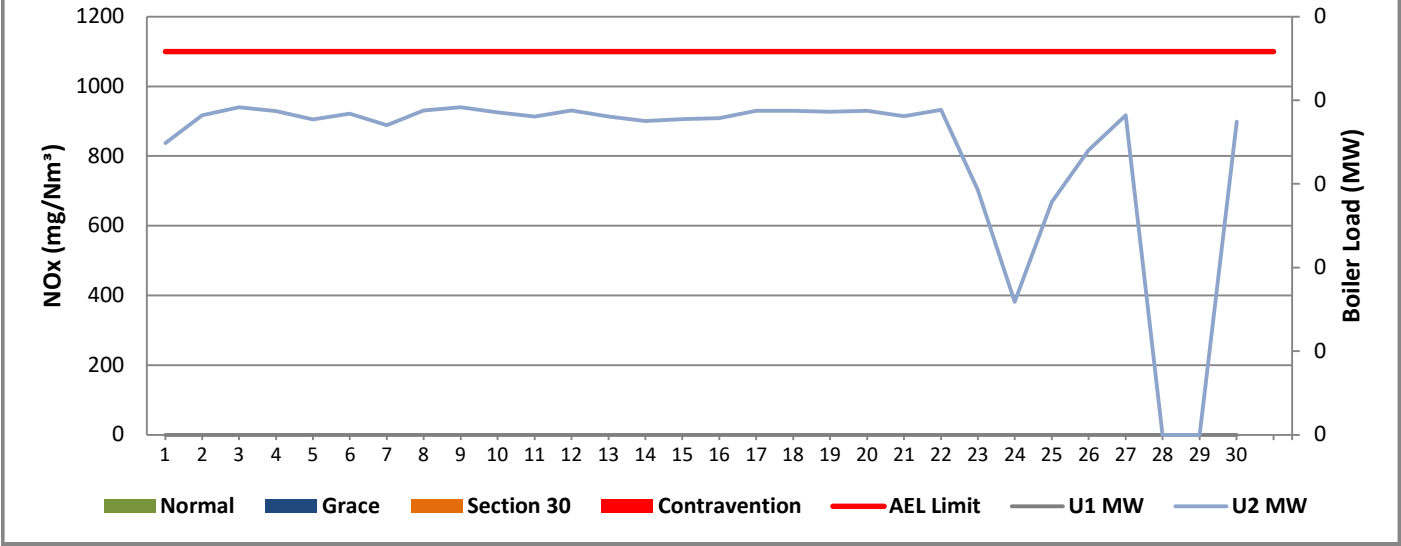


Figure 10: Camden Stack 2 NO_x Emissions - April 2026

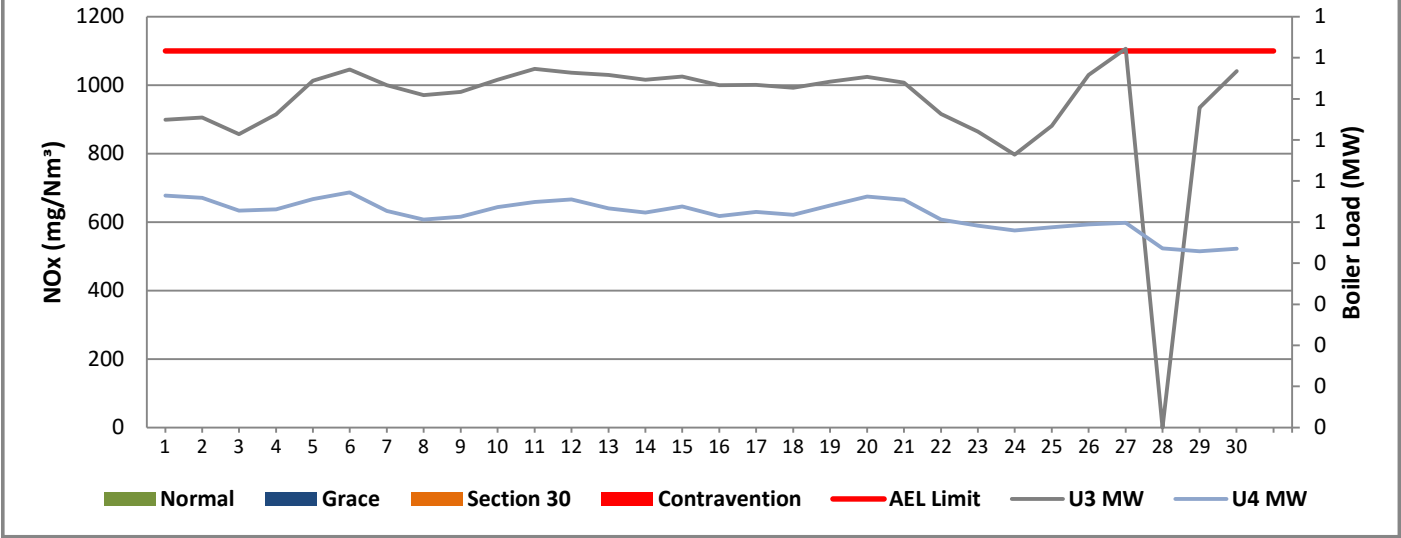


Figure 11: Camden Stack 3 NO_x Emissions - April 2026

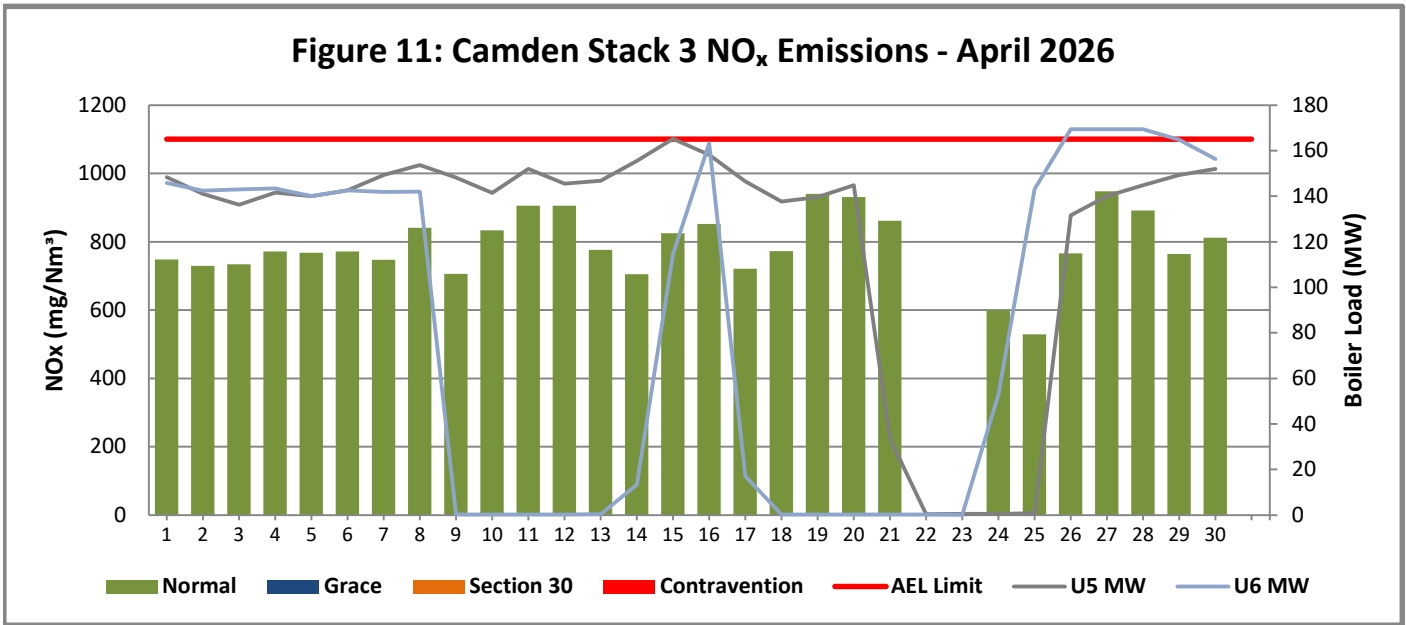
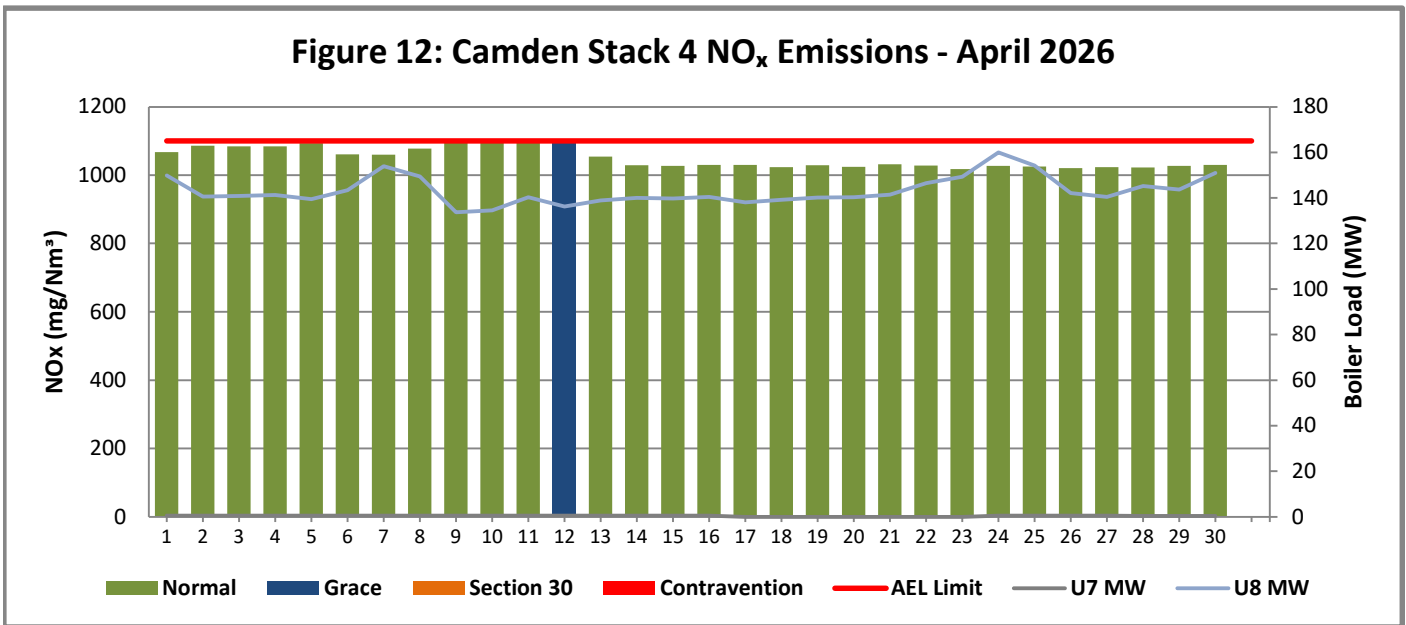


Figure 12: Camden Stack 4 NO_x Emissions - April 2026



7 COMPLAINTS

There were ~~no~~ complaints for this months

Source Code / Name	Root Cause Analysis	Calculation of Impacts / emissions associated with	Dispersion modeling of pollutants where	Measures implemented to prevent reoccurrence
EU009 & 11	Dust during windy days	Air pollution	Fugitive dust below the limit	Engagement with affected parties
				Frequent dust suppression

8 GENERAL

No PM, SOx & NOx Exceedances for the month of April 2026, except for Stack 4 NOx on 12/04/2026

Stack 4 NOx & O2 surrogate values used due to CEMS issues.

No fugitive emission dust fallout exceedances recorded.

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

Unit 1 to 4 HSSD. Unit 7 in GO.

FFP bag replacement: 87

Unit 1: 5 bags Unit 5: 0 bags

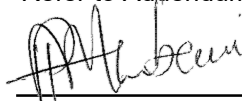
Unit 2: 70 bags Unit 6: 7 bags


Unit 3: 5 bags Unit 7: 0 bags


Unit 4: 0 bags Unit 8: 0 bags

9 Complaints and S30 Incidents Register

Refer to Addendum (If any)


 18/05/2026
 Boiler Plant Engineering Manager Date


 18/05/2026
 Environmental Manager Date


 18/05/2026
 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