



Generation

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Date: 2026/04/16

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CAMDEN POWER STATION

Atmospheric Emission License: CPS/0012/2024/F04

ENGINEERING MANAGER

16/04/2026

DATE

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 Mar-2026
	Coal	Tons	550 000	179 205
	Fuel Oil	Tons	6 500	1035.350
Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Mar-2026
	Energy	GWh	1 161.384	322.420
	Ash	Tons	200 000	38 797.960
	RE Ash	kg/MWh	not specified	0.169

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)	22.730
Sulphur Content	%	<2 (%)	0.900
Ash Content	%	<34 (%)	21.650

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 Mar-2026
Unit 1	<i>Fabric Filter Plant (FFP)</i>	99.726%
Unit 2	<i>Fabric Filter Plant (FFP)</i>	99.740%
Unit 3	<i>Fabric Filter Plant (FFP)</i>	Off-line
Unit 4	<i>Fabric Filter Plant (FFP)</i>	Off-line
Unit 5	<i>Fabric Filter Plant (FFP)</i>	99.865%
Unit 6	<i>Fabric Filter Plant (FFP)</i>	99.958%
Unit 7	<i>Fabric Filter Plant (FFP)</i>	Off-line
Unit 8	<i>Fabric Filter Plant (FFP)</i>	99.986%

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		97.2	100.0
Stack 2	Off	Off	Off	Off
Stack 3	100.0	85.1	91.0	95.8
Stack 4	91.6	47.2	60.8	95.2

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 March 2026

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	19.5	1 145	560
Unit 2	22.7	1 304	641
Unit 3	Off	Off	Off
Unit 4	Off	Off	Off
Unit 5	8.5	497	205
Unit 6	2.7	703	333
Unit 7	Off	Off	Off
Unit 8	0.9	256	239
SUM	54.39	3 905	1 977

Table 6.2: PM AEL Daily Compliance - March 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	28	0	0	0	0	31.6
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	29	0	0	0	0	15.0
Stack 4	14	0	0	0	0	4.6
SUM	71	0	0	0	0	

Table 6.3: SO₂ AEL Daily Compliance - March 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	28	0	0	0	0	1 806.8
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	31	0	0	0	0	1 470.8
Stack 4	17	0	0	0	0	1 066.0
SUM	76	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - March 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Stack 1	28	0	0	0	0	874.7
Stack 2	Off	Off	Off	Off	Off	Off
Stack 3	31	0	0	0	0	652.5
Stack 4	17	0	0	0	0	986.1
SUM	76	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 - March 2026

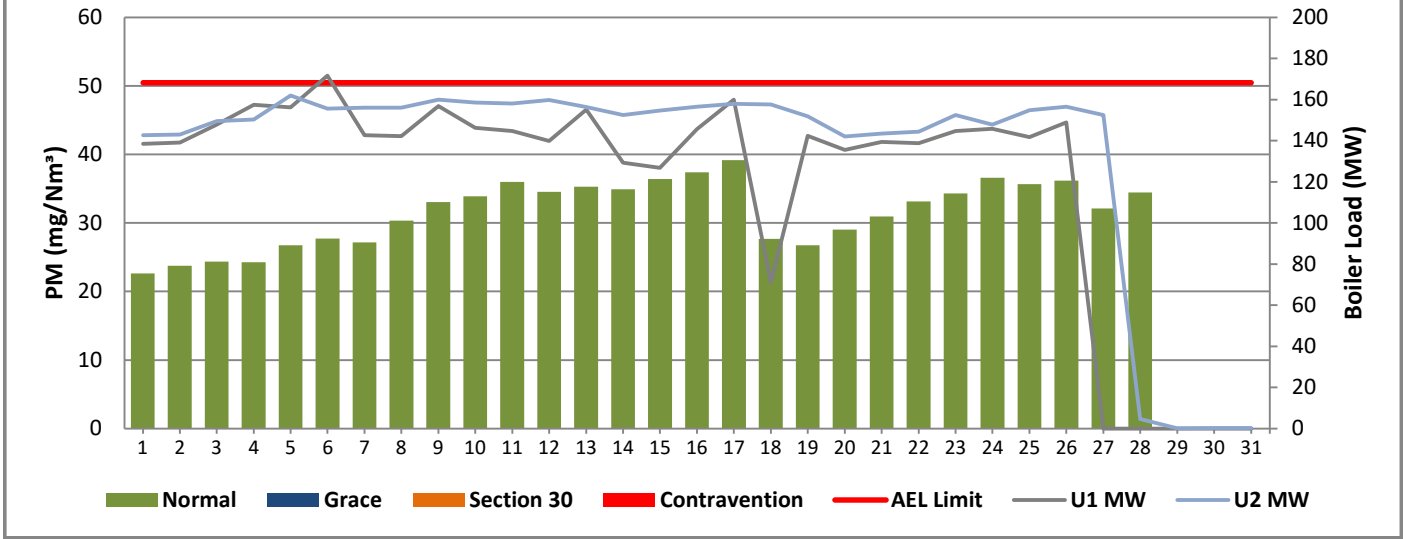


Figure 2: Camden Stack 2 PM Emissions - March 2026

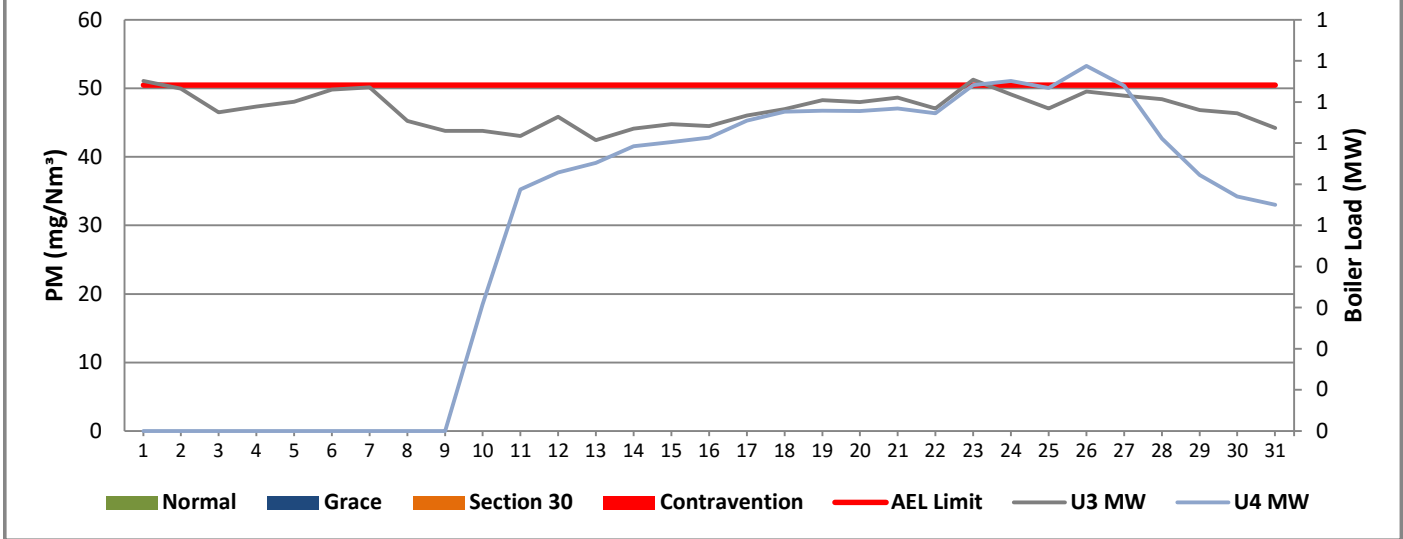


Figure 3: Camden Stack 3 PM Emissions - March 2026

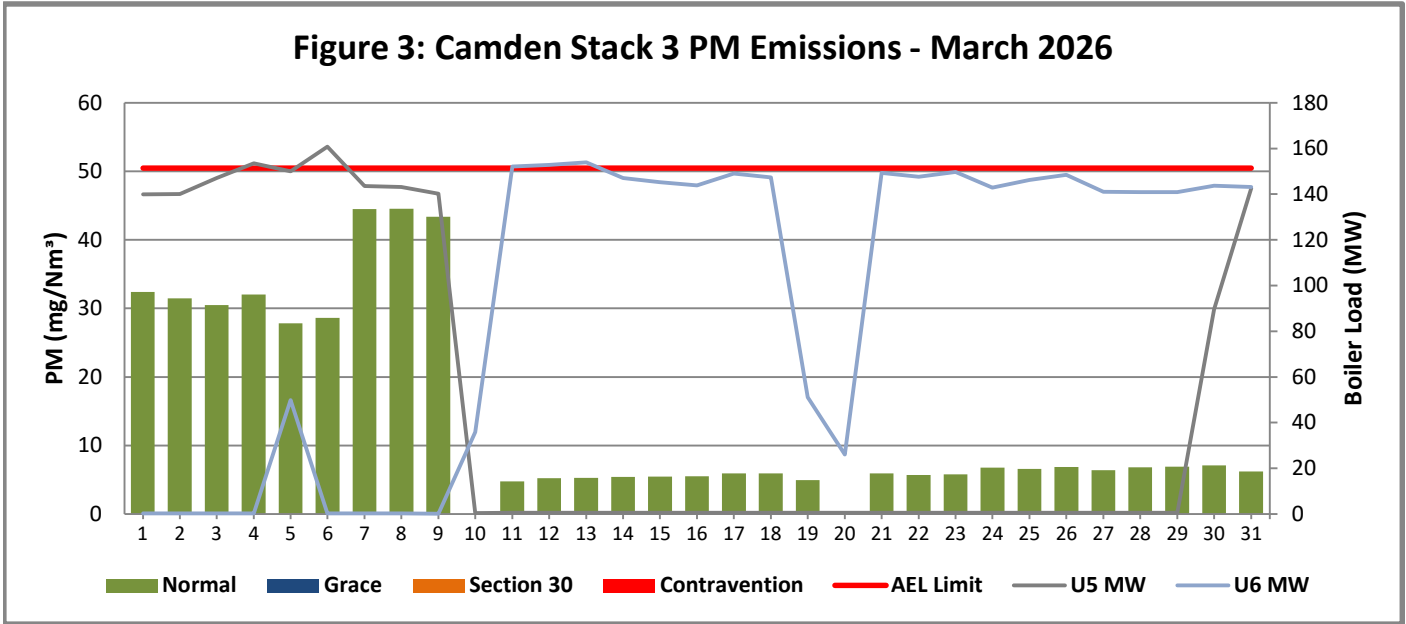


Figure 4: Camden Stack 4 PM Emissions - March 2026

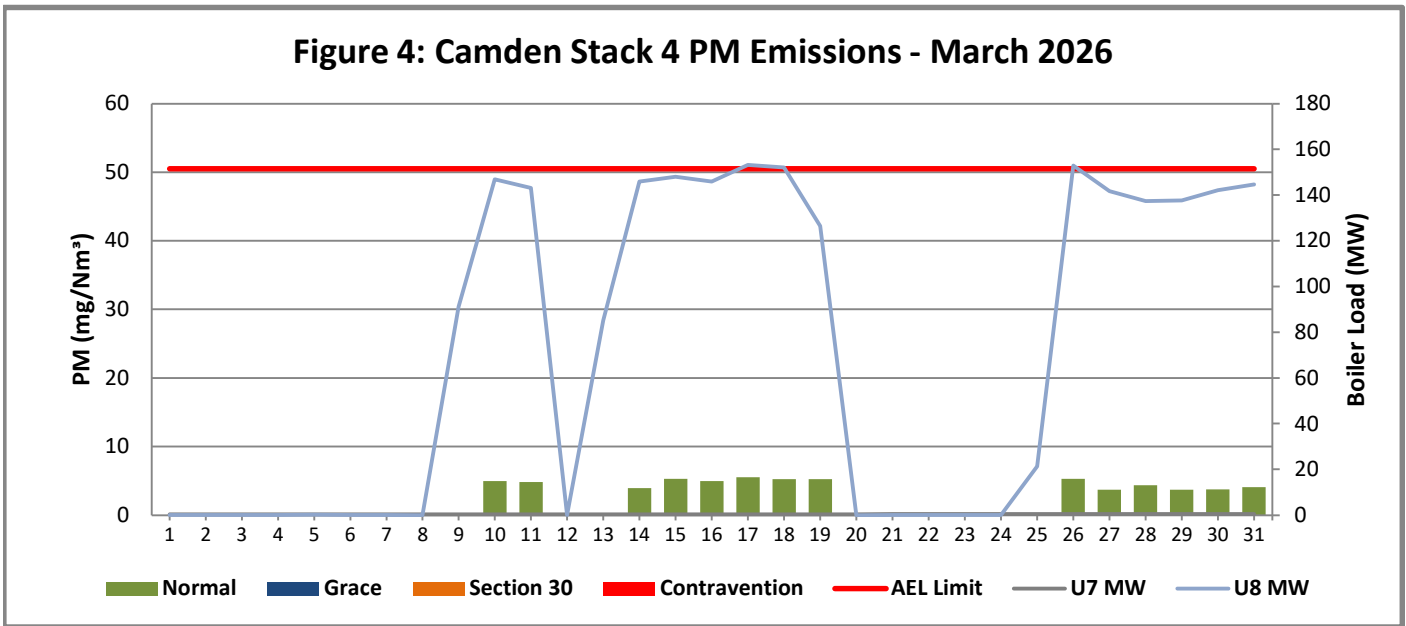


Figure 5: Camden Stack 1 SO₂ Emissions - March 2026

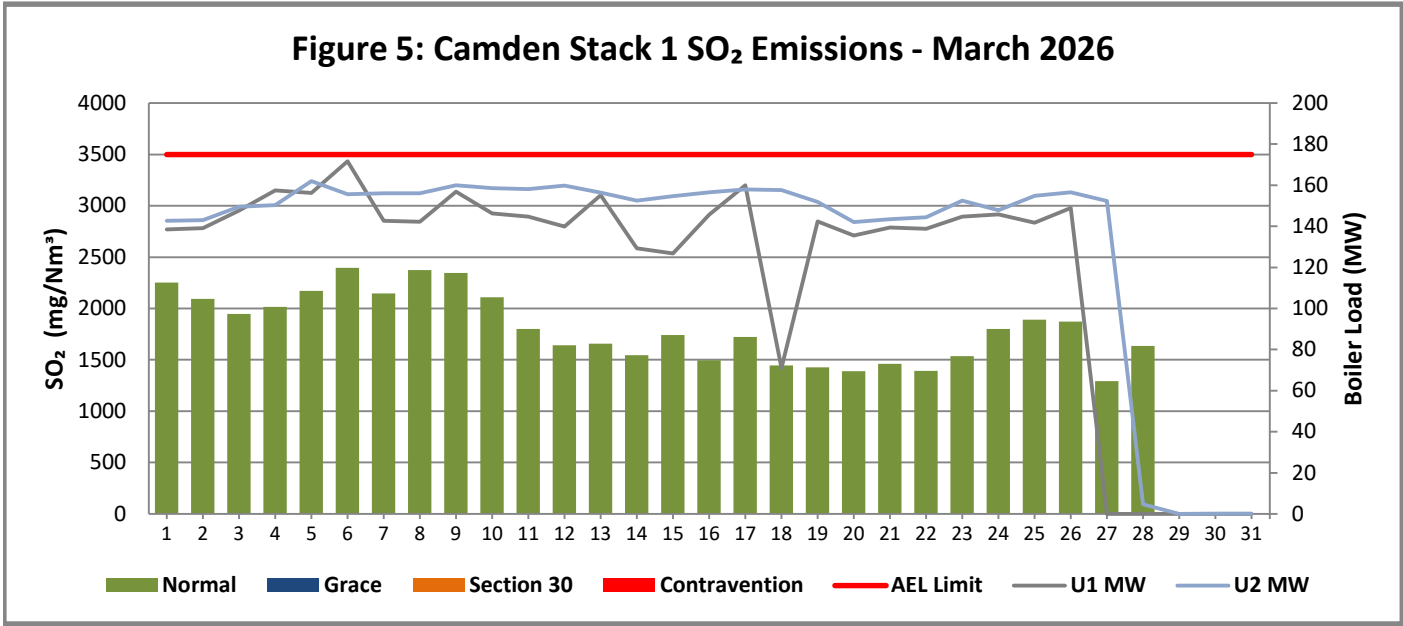


Figure 6: Camden Stack 2 SO₂ Emissions - March 2026

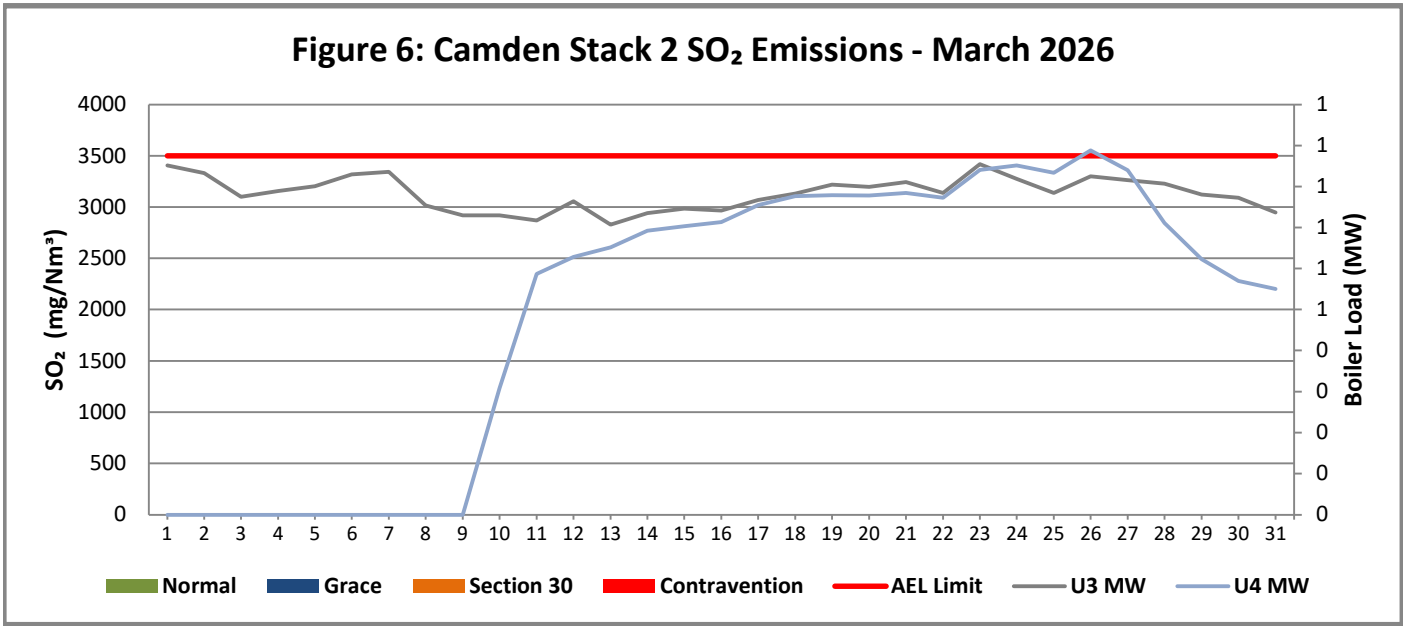


Figure 7: Camden Stack 3 SO₂ Emissions - March 2026

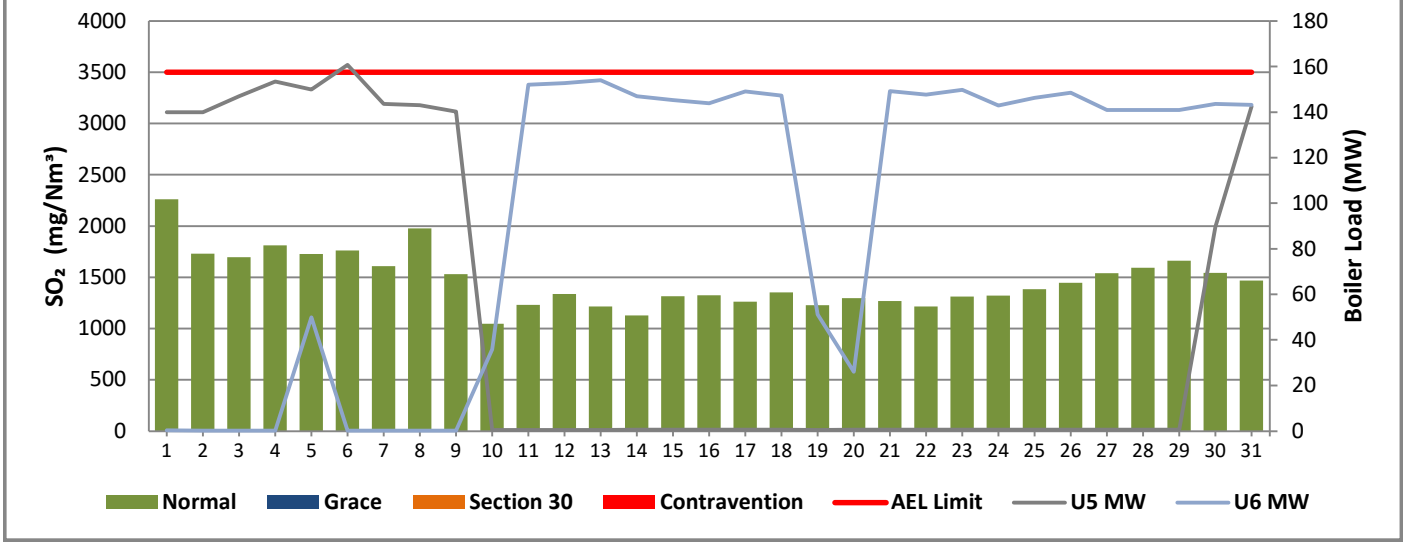


Figure 8: Camden Stack 4 SO₂ Emissions - March 2026

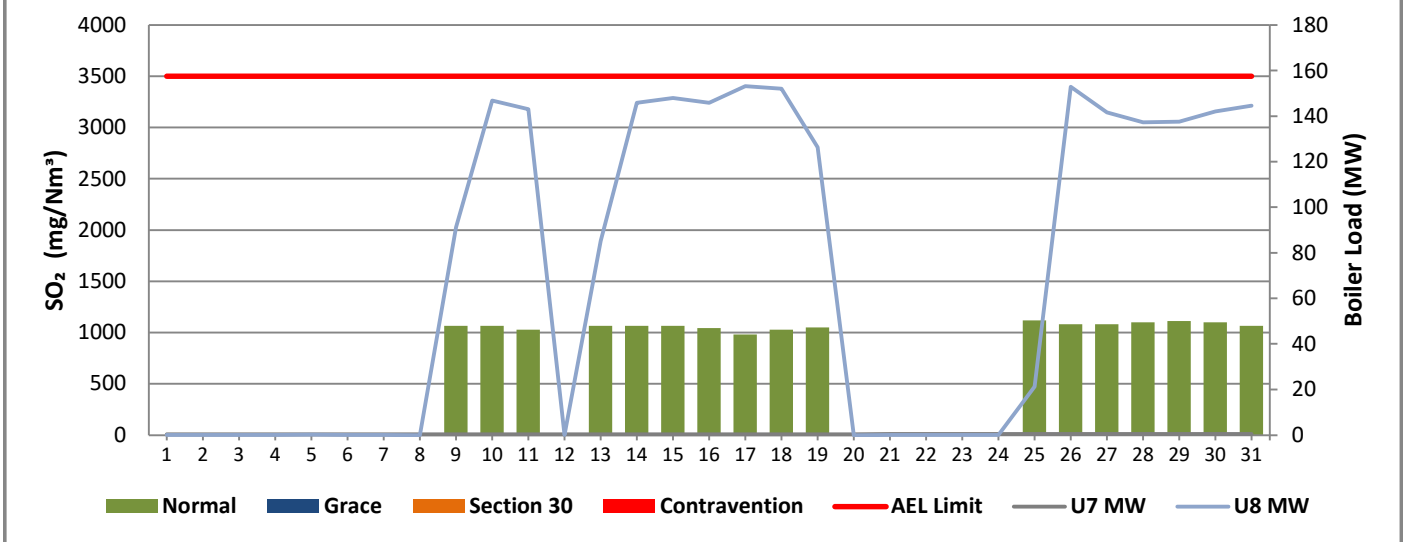


Figure 9: Camden Stack 1 NO_x Emissions - March 2026

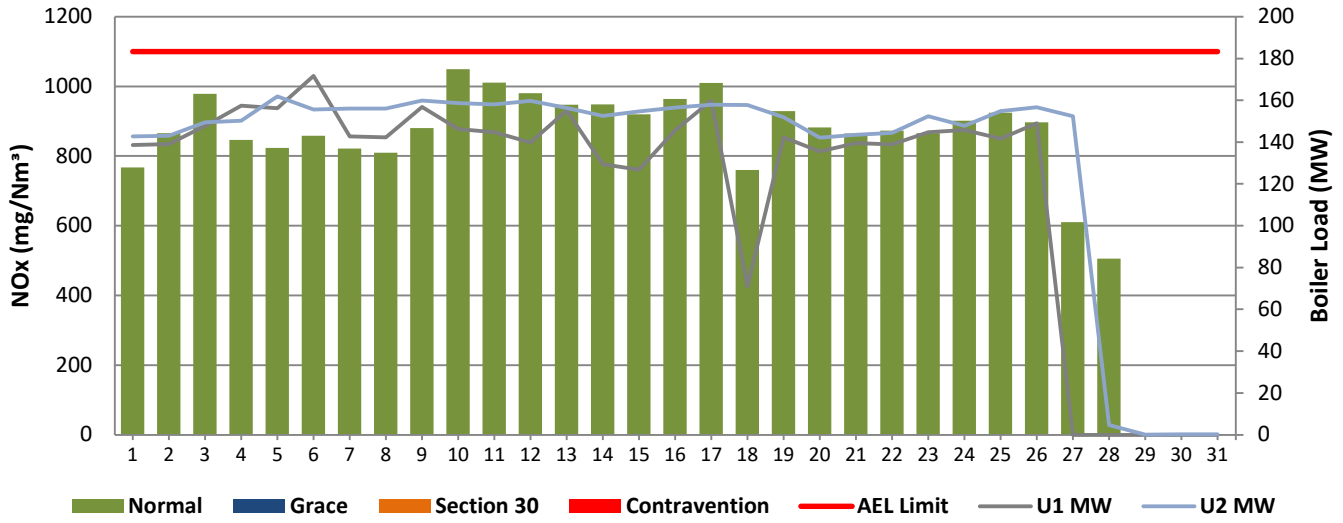


Figure 10: Camden Stack 2 NO_x Emissions - March 2026

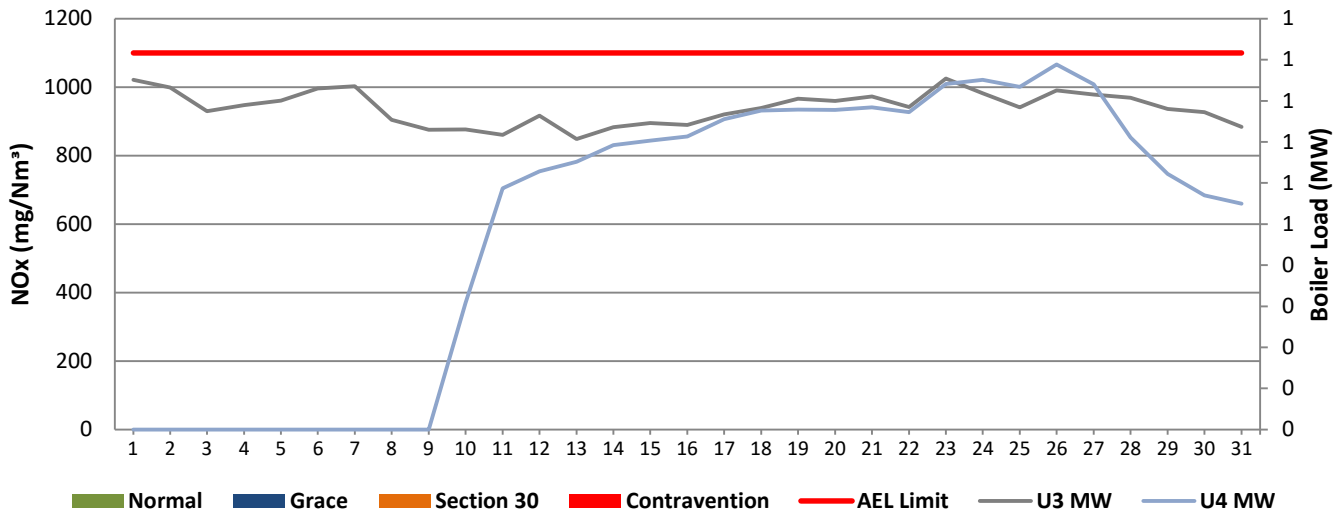


Figure 11: Camden Stack 3 NO_x Emissions - March 2026

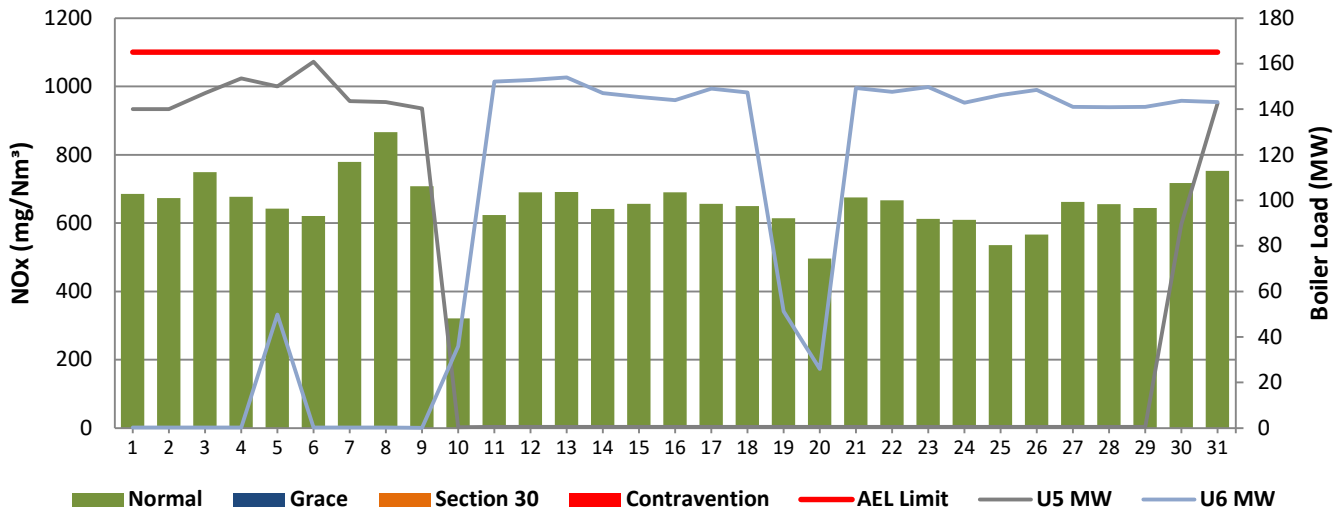
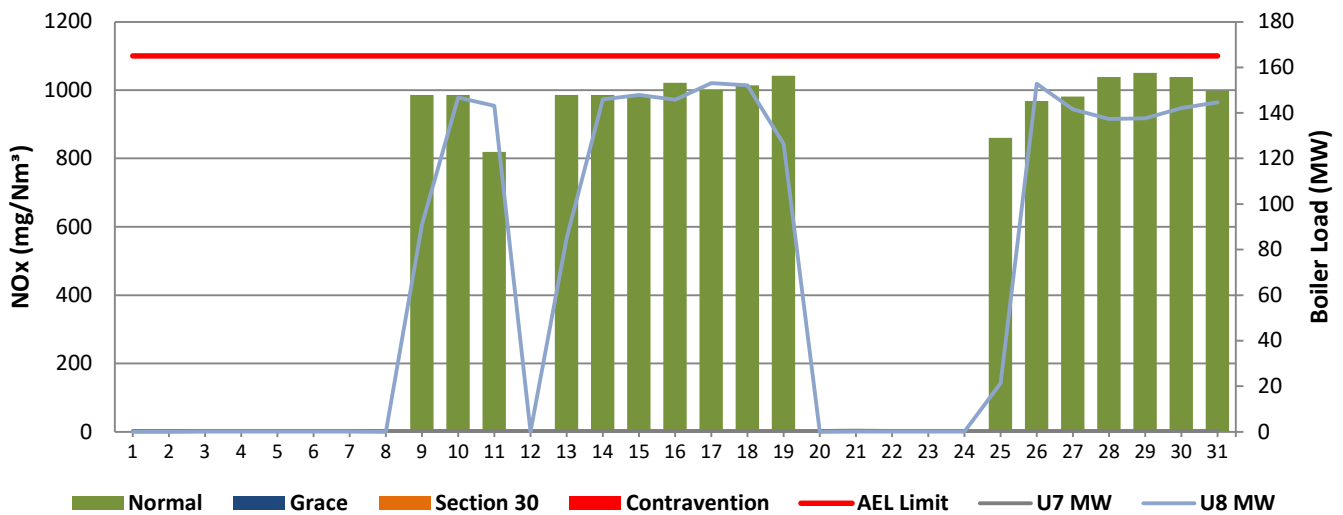


Figure 12: Camden Stack 4 NO_x Emissions - March 2026



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

8 GENERAL

No PM, SOx & NOx Exceedances for the month of March 2026
 Stack 4 NOx & SOx values removed due to maxed out data. Failure of monitor cards resulted in above normal values that was removed. Replacement of CEMS in progress.
 Spot Parallel test for Stack 4 Unit 8 only was done in March 2026. Full test for both uinits scheduled for May 2026
 No fugitive emission dust fallout exceedances recorded.
 Leak detection: No leaks identified at fuel oil tanks for March 2026
 Unit 3 & 7 off load to replace minor deffects. Unit 4 in GO.
 FFP bag replacement: 64
 Unit 1: 12 bags Unit 5: 52 bags
 Unit 2: 00 bags Unit 6: 00 bags
 Unit 3: 00 bags Unit 7: 00 bags
 Unit 4: 00 bags Unit 8: 00 bags


9 Complaints and S30 Incidents Register

Refer to Addendum (If any)



 Boiler Plant Engineering Manager 16/04/2026

 Date



 Environmental Manager 16/04/2026

 Date



 Engineering Manager 16/04/2026

 Date

Compiled by: Environmental Officer

For: Gert Sibande District Municipality

Air Quality Officer

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B Mccourt

Generation Compliance Management

R Rampiar

Generation Asset Management

E Patel

Camden Power Station:

- Engineering Manager
- Operating Manager
- Maintenance Manager
- Production Manager
- Boiler Engineering Manager
- System Engineer
- Environmental Manager