

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 Dec-2025
	Coal	Tons	550 000	191 055
	Fuel Oil	Tons	6 500	1599.300

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Dec-2025
	Energy	GWh	1 161.384	308.825
	Ash	Tons	200 000	41 974.869
	RE Ash	kg/MWh	not specified	0.066

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)	22.660
Sulphur Content	%	<2 (%)	0.900
Ash Content	%	<34 (%)	21.970

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 Dec-2025
Unit 1	<i>Fabric Filter Plant (FFP)</i>	<i>99.980%</i>
Unit 2	<i>Fabric Filter Plant (FFP)</i>	<i>99.983%</i>
Unit 3	<i>Fabric Filter Plant (FFP)</i>	<i>99.820%</i>
Unit 4	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 5	<i>Fabric Filter Plant (FFP)</i>	<i>Off-line</i>
Unit 6	<i>Fabric Filter Plant (FFP)</i>	<i>99.973%</i>
Unit 7	<i>Fabric Filter Plant (FFP)</i>	<i>99.994%</i>
Unit 8	<i>Fabric Filter Plant (FFP)</i>	<i>99.991%</i>

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	83.7	100.0	96.1
Stack 2	100.0	83.7	85.7	100.0
Stack 3	100.0	56.9	97.0	100.0
Stack 4	100.0	94.9	96.5	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 December 2025

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	2.0	1 196	515
Unit 2	1.2	619	268
Unit 3	15.5	864	478
Unit 4	Off	Off	Off
Unit 5	Off	Off	Off
Unit 6	0.6	187	67
Unit 7	0.1	149	70
Unit 8	0.8	884	466
SUM	20.23	3 900	1 863

Table 6.2: PM AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm³)
Stack 1	30	0	0	0	0	3.0
Stack 2	18	2	0	0	2	35.2
Stack 3	5	0	0	0	0	5.0
Stack 4	19	0	0	0	0	1.3
SUM	72	2	0	0	2	

Table 6.3: SO₂ AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm³)
Stack 1	31	0	0	0	0	1 648.3
Stack 2	22	0	0	0	0	1 766.7
Stack 3	5	0	0	0	0	1 555.6
Stack 4	19	0	0	0	0	1 346.4
SUM	77	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm³)
Stack 1	31	0	0	0	0	703.4
Stack 2	16	2	0	4	6	970.7
Stack 3	5	0	0	0	0	556.8
Stack 4	19	0	0	0	0	710.1
SUM	71	2	0	4	6	

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 - December 2025

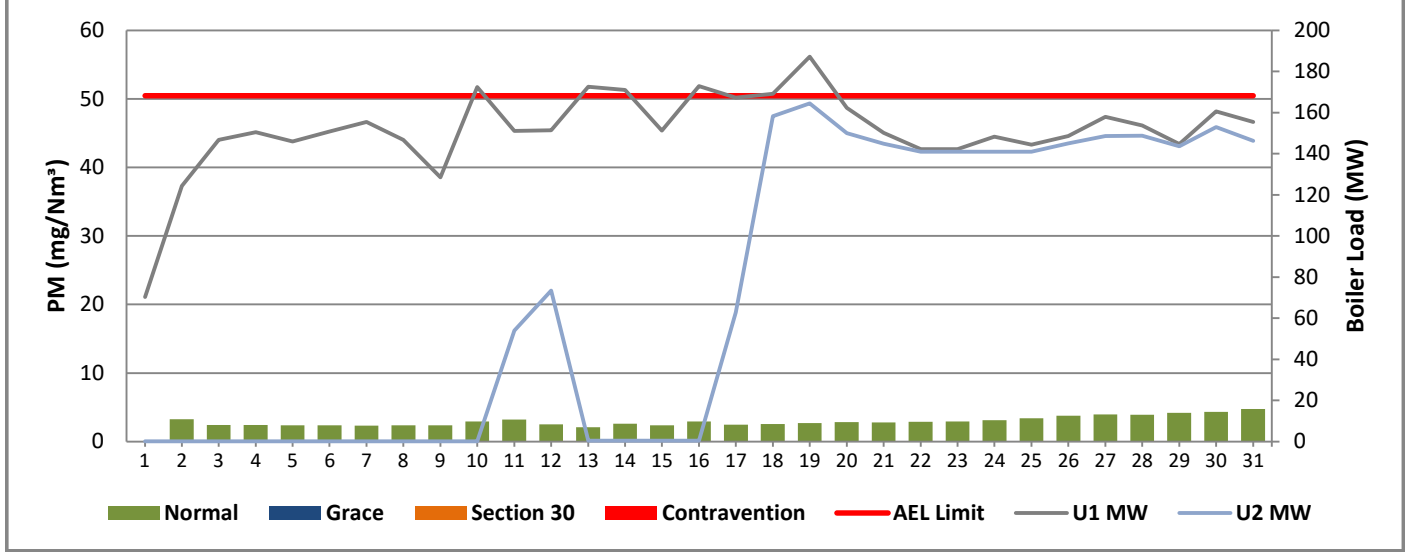


Figure 2: Camden Stack 2 PM Emissions - December 2025

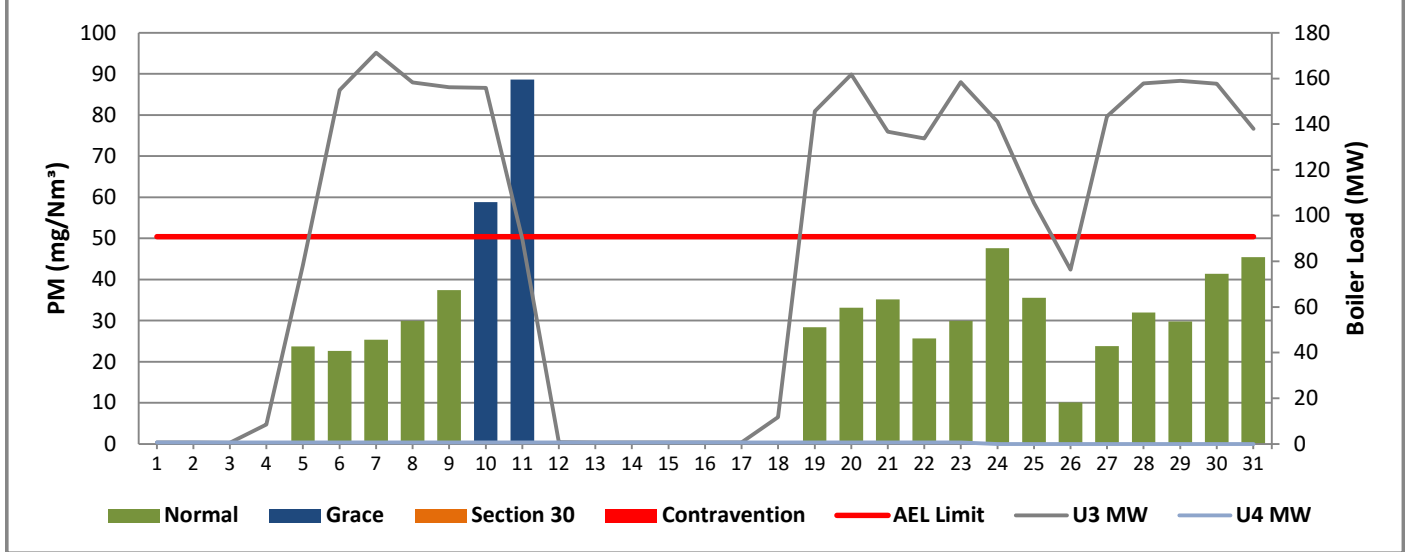


Figure 3: Camden Stack 3 PM Emissions - December 2025

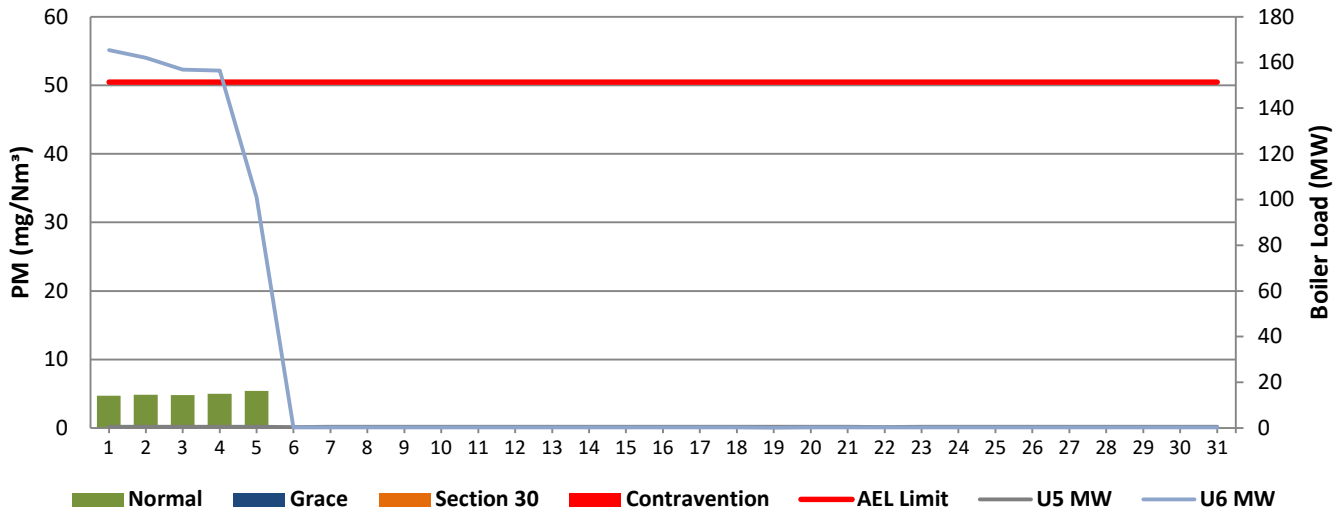


Figure 4: Camden Stack 4 PM Emissions - December 2025

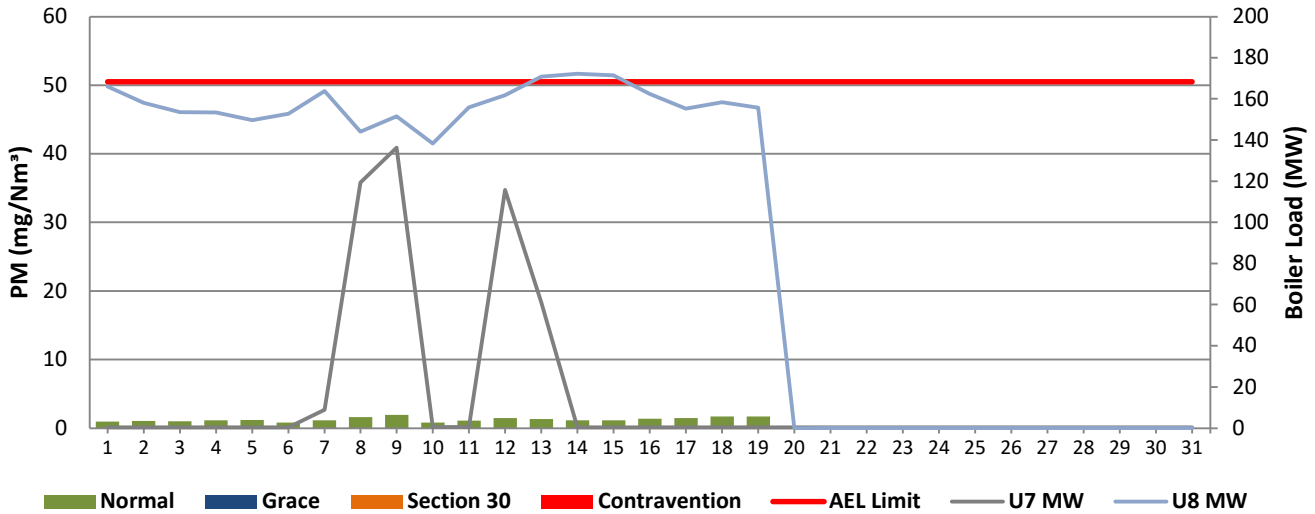


Figure 5: Camden Stack 1 SO₂ Emissions - December 2025

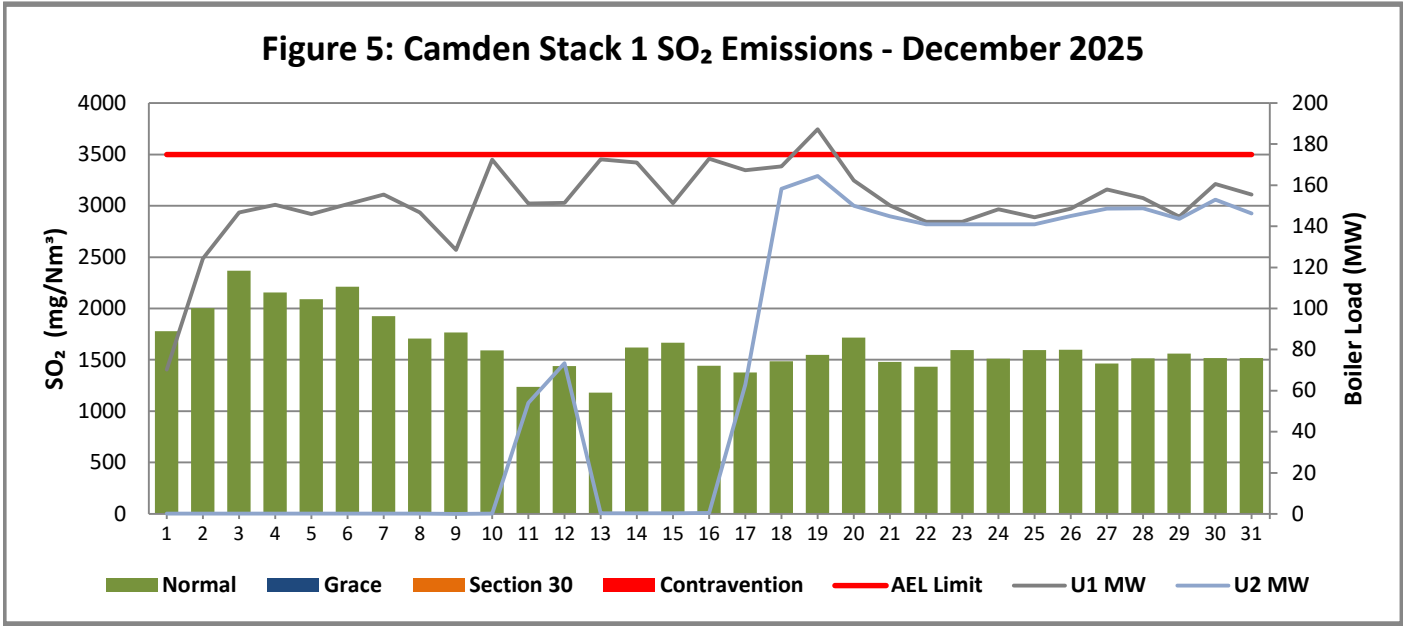


Figure 6: Camden Stack 2 SO₂ Emissions - December 2025

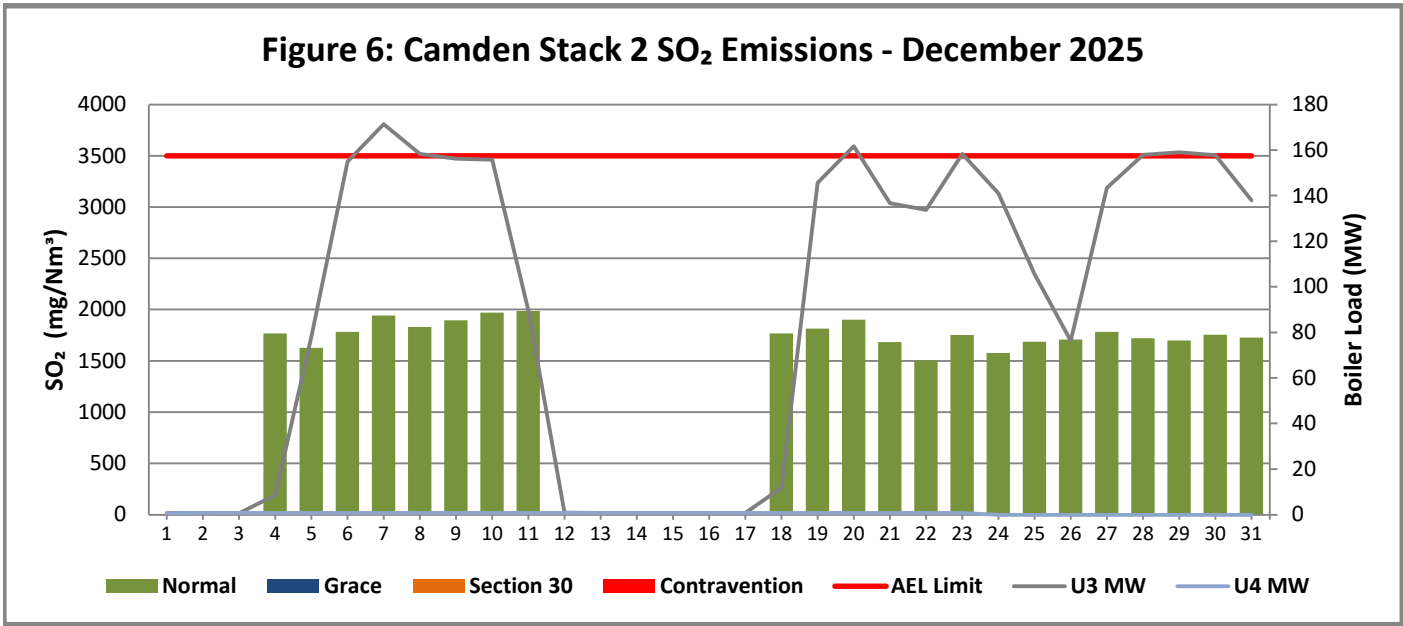


Figure 7: Camden Stack 3 SO₂ Emissions - December 2025

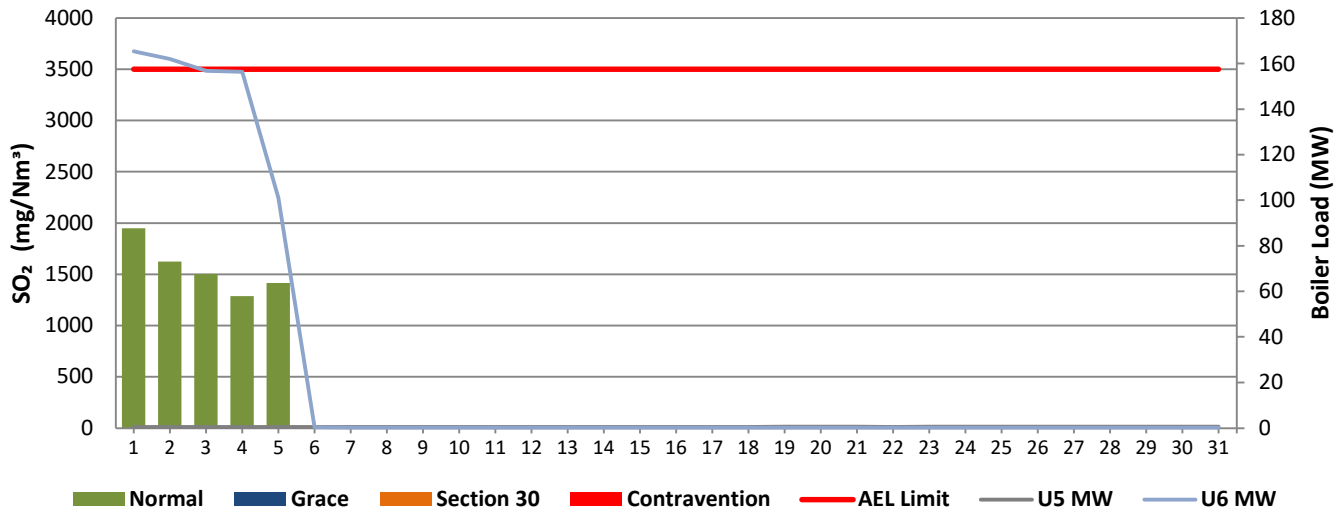


Figure 8: Camden Stack 4 SO₂ Emissions - December 2025

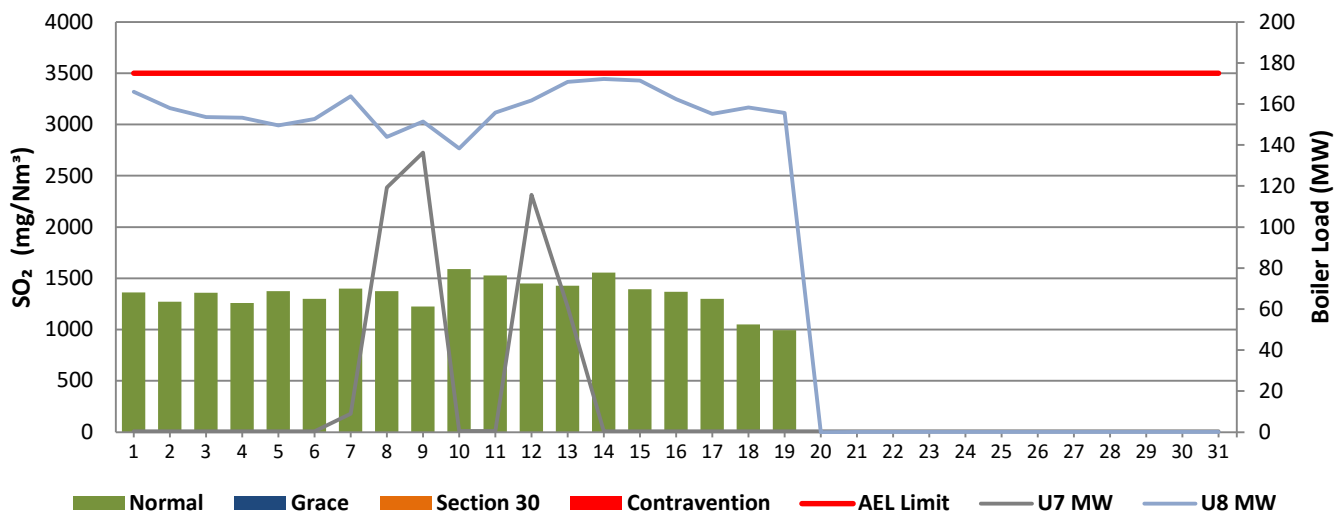


Figure 9: Camden Stack 1 NO_x Emissions - December 2025

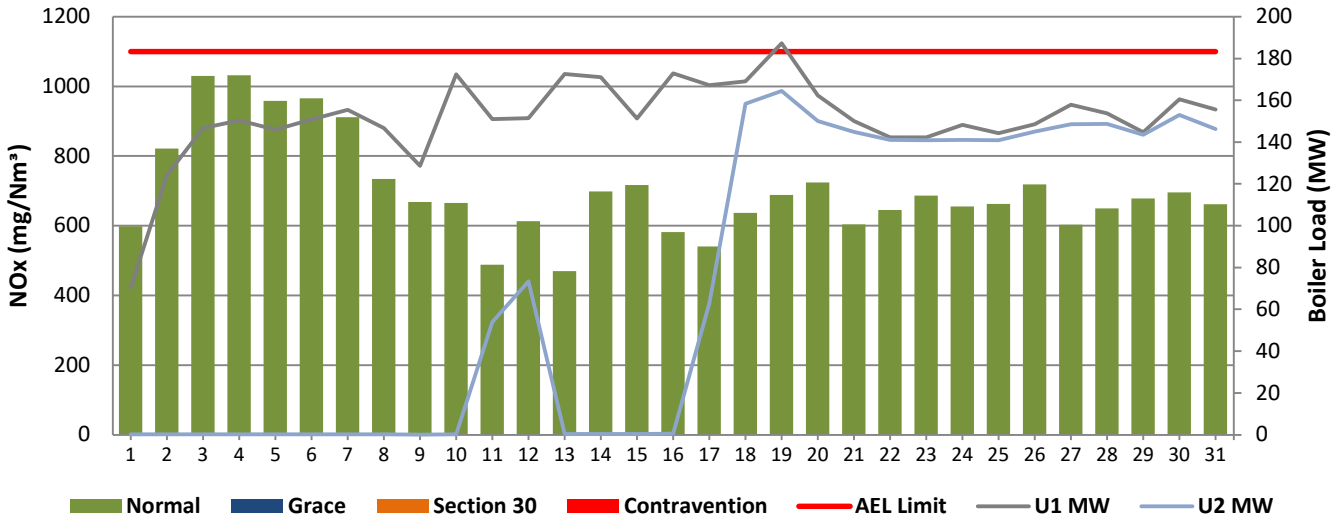


Figure 10: Camden Stack 2 NO_x Emissions - December 2025

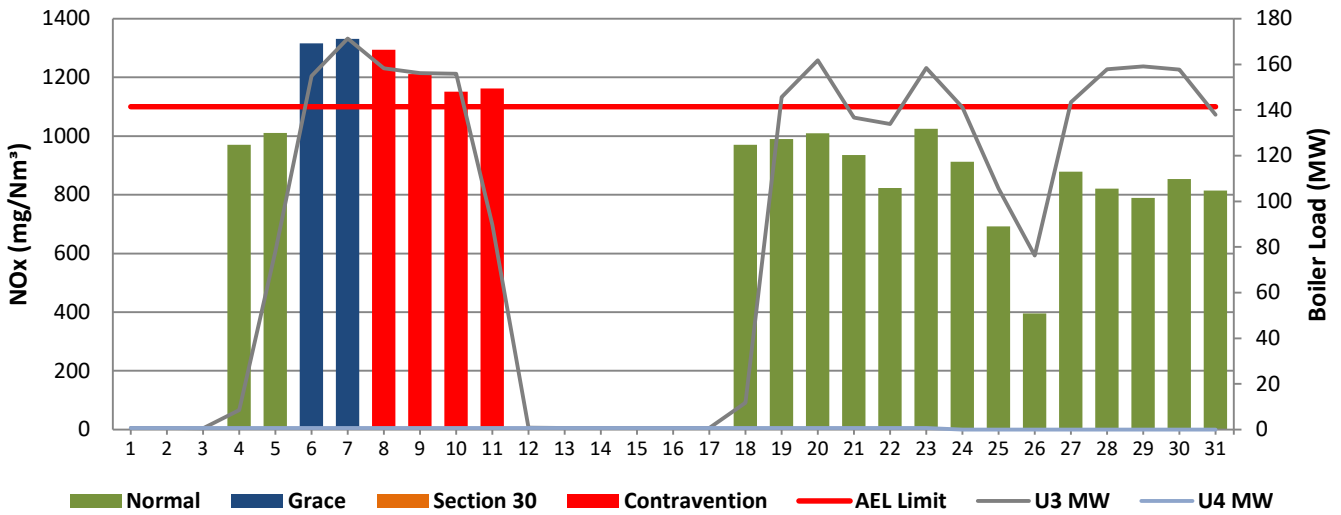


Figure 11: Camden Stack 3 NO_x Emissions - December 2025

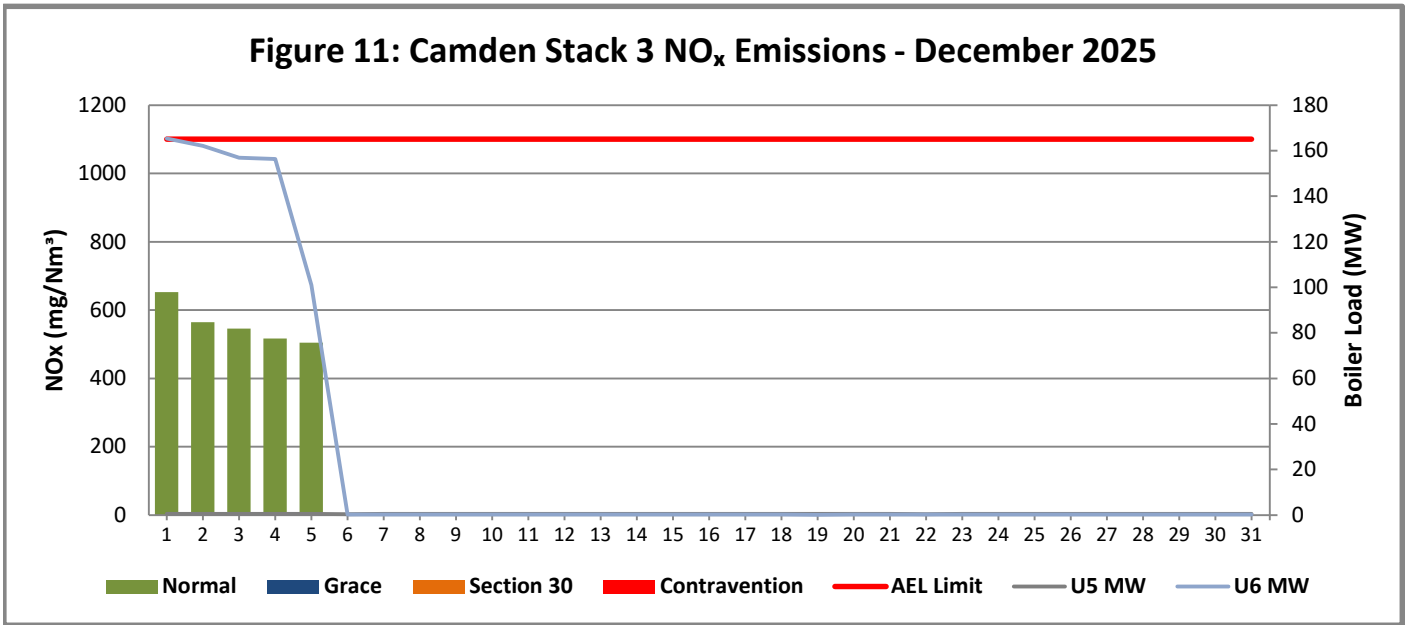
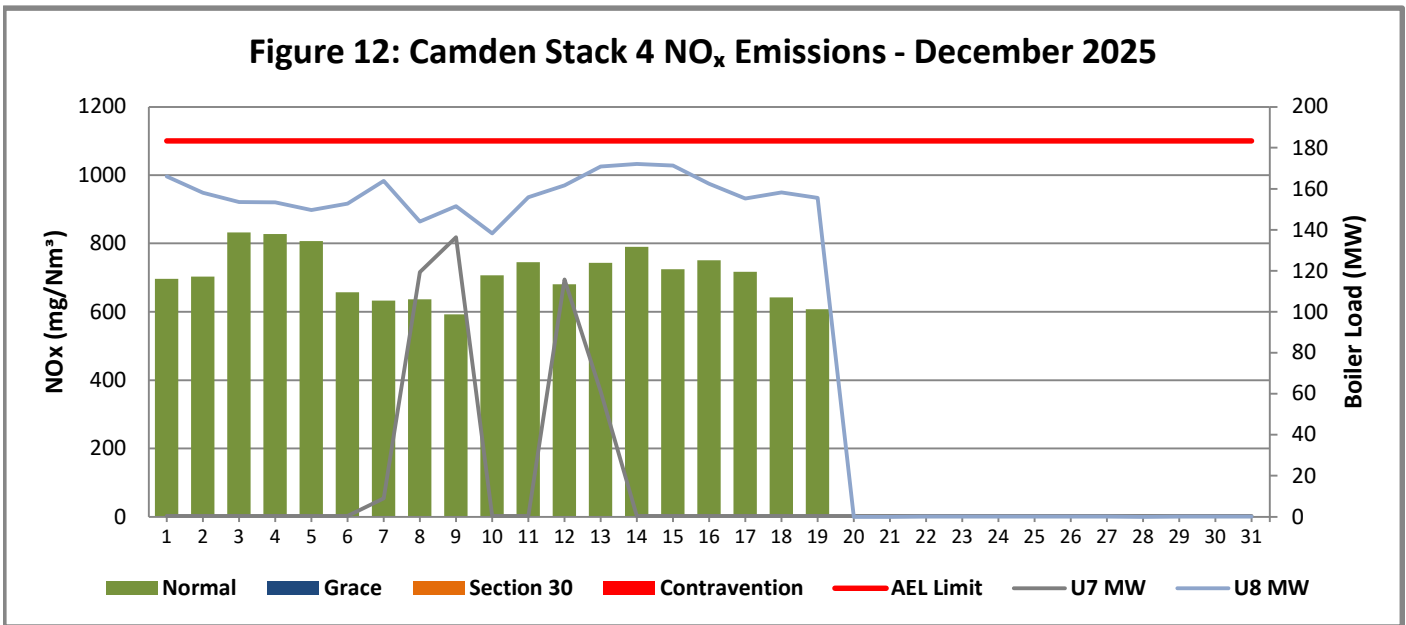


Figure 12: Camden Stack 4 NO_x Emissions - December 2025



7 COMPLAINTS

There were no complaints for this months

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

8 GENERAL

