



**Generation**

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**Attention:**

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AND

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**DUVHA POWER STATION**

Atmospheric Emission License: 17/4/AEL/MP312/11/07

  
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GENERAL MANAGER

  
\_\_\_\_\_  
DATE

**DUVHA POWER STATION MONTHLY EMISSIONS REPORT**  
Atmospheric Emission License: NDM/AEL/MP312/11/07



## 1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Feb-2026
	Coal	Tons	1 400 000.00	429 844.80
	Fuel Oil	Tons	5 000.00	3480.76

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Feb-2026
	Energy	GWh	2 160.00	826.22
	Ash	Tons	562 464.00	105 397.94

Note: Max energy rate = AEL capacity [3,600 MW] × 24 hrs × days in month ÷ 1,000 (to convert to GWh).

## 2 ENERGY SOURCE CHARACTERISTICS

Coal Characteristic	Units	Stipulated Range	Monthly Average Content
Sulphur Content	%	0.6 - 1.2	0.70
Ash Content	%	30.2	24.52

## 3 EMISSION LIMITS (mg/Nm<sup>3</sup>)

Associated Unit/Stack	Daily Limit		
	PM	SO <sub>2</sub>	NO <sub>x</sub>
Unit 1	50	2600	1100
Unit 2	50	2600	1100
Unit 4	100	2600	1100
Unit 5	50	2600	1100
Unit 6	100	2600	1100

## 4 ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	ESP Efficiency	Technology Type
Unit 1	FFP	99.946%	SO <sub>3</sub>
Unit 2	FFP	99.865%	SO <sub>3</sub>
Unit 4	ESP + SO <sub>3</sub>	99.774%	SO <sub>3</sub>
Unit 5	ESP + SO <sub>3</sub>	99.841%	SO <sub>3</sub>
Unit 6	ESP + SO <sub>3</sub>	99.776%	SO <sub>3</sub>

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

## 5 DATA RELIABILITY (%)

Associated Unit/Stack	PM	SO <sub>2</sub>	NO	O <sub>2</sub>
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	100.0	98.4	98.4	99.1
Unit 4	100.0	92.9	92.9	92.9
Unit 5	100.0	95.8	96.0	96.1
Unit 6	100.0	95.5	95.8	96.0

Note: NO<sub>x</sub> emissions are measured as NO in PPM. The final NO<sub>x</sub> value is expressed as total NO<sub>2</sub> equivalent.

## 6 EMISSION PERFORMANCE

Table 6.1 Monthly tonnages for February 2026

Associated Unit/Stack	PM (tons)	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)
Unit 1	Unit Offload	Unit Offload	Unit Offload
Unit 2	38.4	2,789	1,184
Unit 4	19.5	1,137	402
Unit 5	41.7	2,260	836
Unit 6	47.1	3,048	1,389
<b>SUM</b>	<b>146.67</b>	<b>9,234</b>	<b>3,813</b>

Table 6.2. PM AEL Daily - February 2026

Associated Unit/Stack	Normal Days	Number of days in Grace period	Number of Section 30 days	Number of days in contravention	Total Exceedance	Mo Avg (mg/Nm <sup>3</sup> )
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	28	0	0	0	0	20.2
Unit 4	12	0	0	0	0	35.3
Unit 5	28	0	0	0	0	30.2
Unit 6	26	0	0	0	0	27.3
<b>SUM</b>	<b>94</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Table 6.3: SO<sub>2</sub> AEL Daily - February 2026

Associated Unit/Stack	Normal Days	Number of days in Grace period	Number of Section 30 days	Number of days In contravention	Total Exceedance	Mo Avg (mg/Nm <sup>3</sup> )
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	28	0	0	0	0	1 466.6
Unit 4	13	0	0	0	0	1 741.5
Unit 5	28	0	0	0	0	1 655.5
Unit 6	27	0	0	0	0	1 719.5
<b>SUM</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Table 6.4: NO<sub>x</sub> AEL Daily - February 2026

Associated Unit/Stack	Normal Days	Number of days in Grace period	Number of Section 30 days	Number of days In contravention	Total Exceedance	Mo Avg (mg/Nm <sup>3</sup> )
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	28	0	0	0	0	622.2
Unit 4	13	0	0	0	0	587.8
Unit 5	28	0	0	0	0	613.2
Unit 6	27	0	0	0	0	779.2
<b>SUM</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Table 6.5: Legend Description

Condition	Colour	Description
Normal		Emissions below Emission Limit Value (ELV)
Grace		Emissions above the ELV during grace period
Section 30		Emissions above ELV during a NEMA S30 incident
Contravention		Emissions above ELV but outside grace or S30 incident conditions

Figure 1: Duvha Unit 2 PM Emissions - February 2026

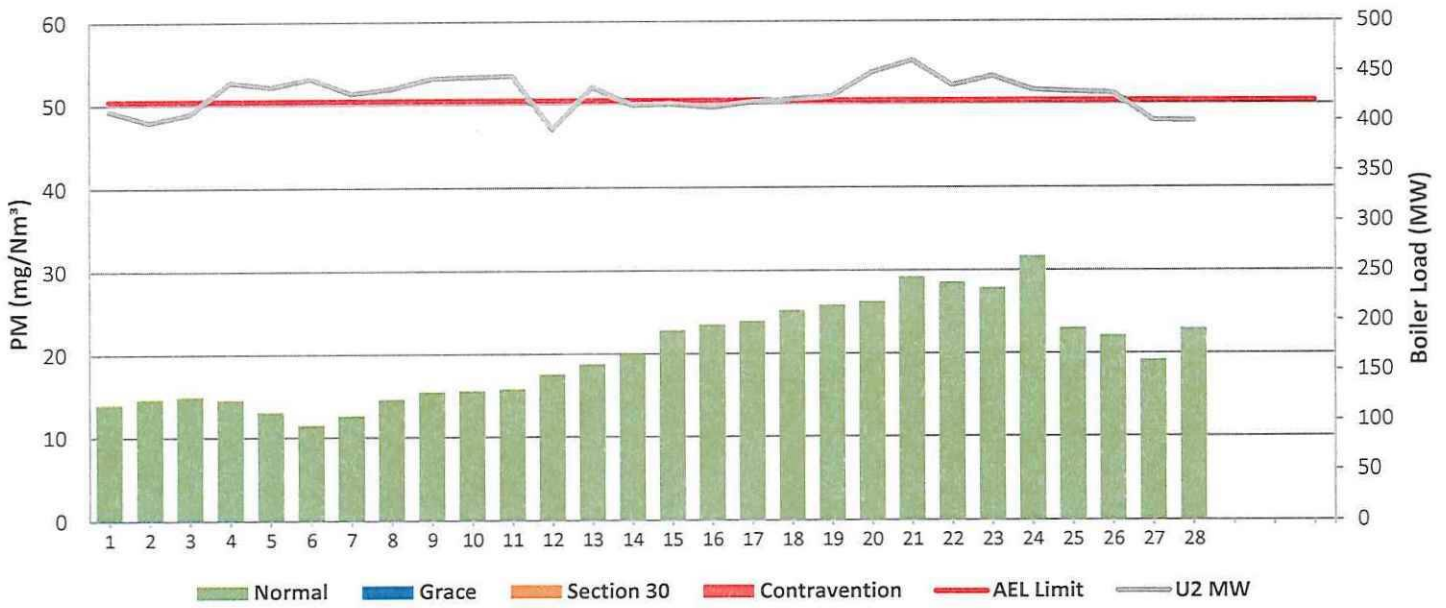


Figure 2: Duvha Unit 4 PM Emissions - February 2026

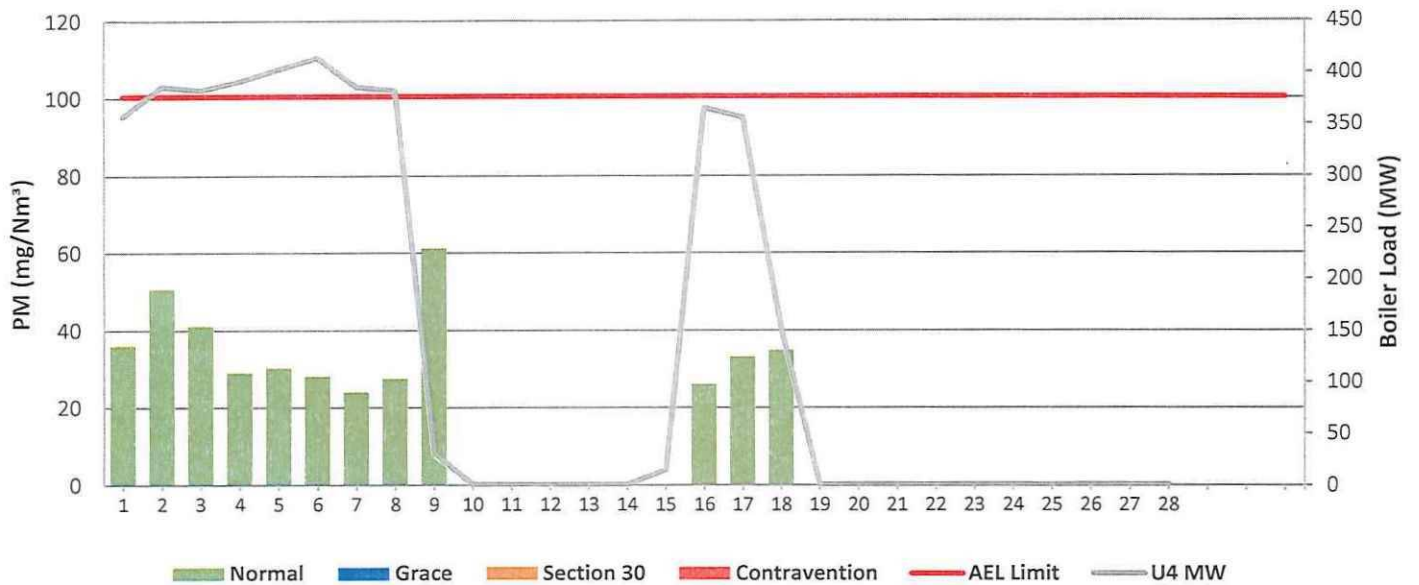


Figure 3: Duvha Unit 5 PM Emissions - February 2026

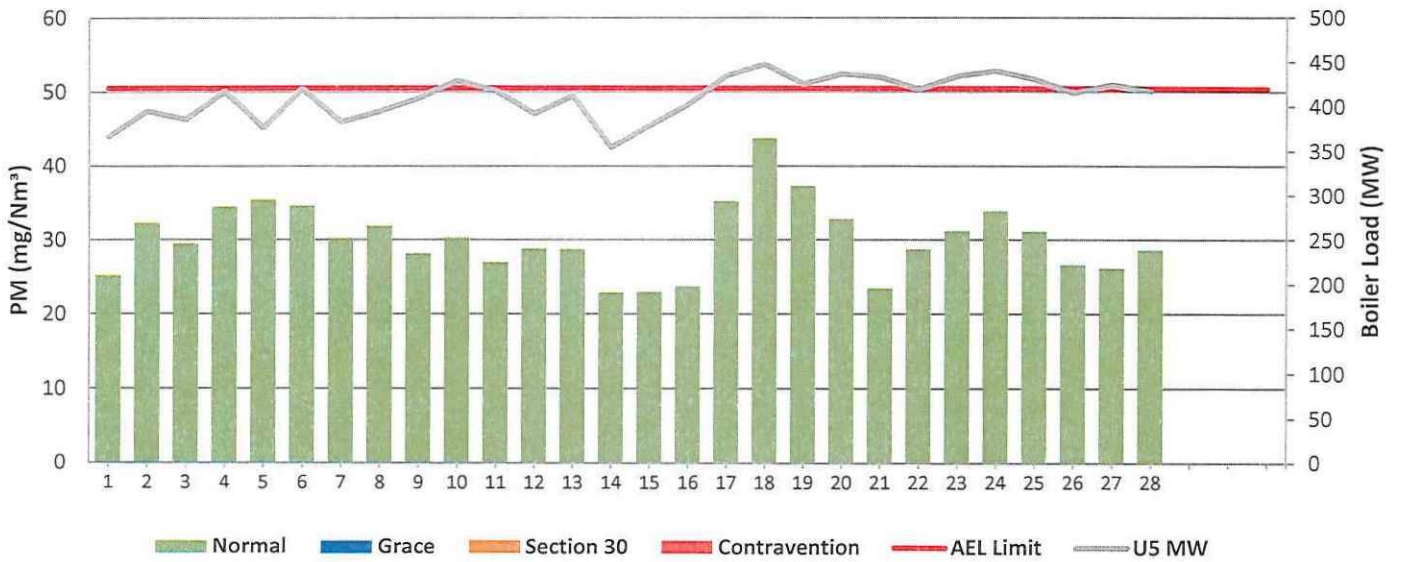


Figure 4: Duvha Unit 6 PM Emissions - February 2026

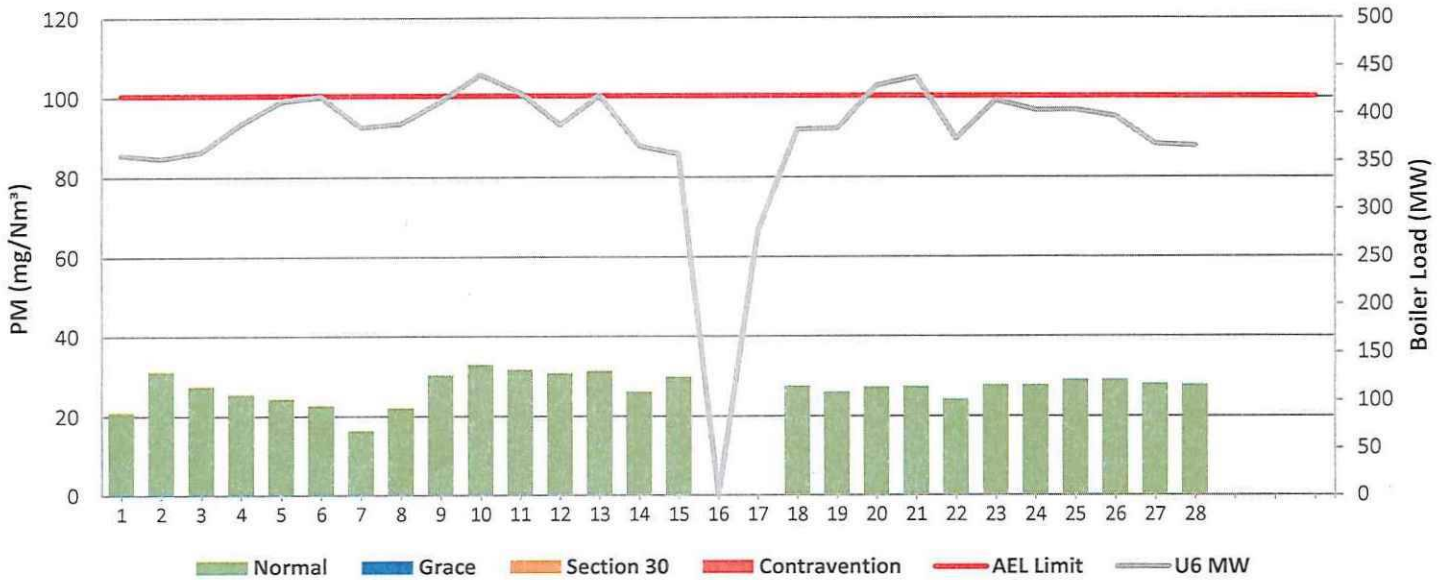


Figure 5: Duvha Unit 2 SO<sub>2</sub> Emissions - February 2026

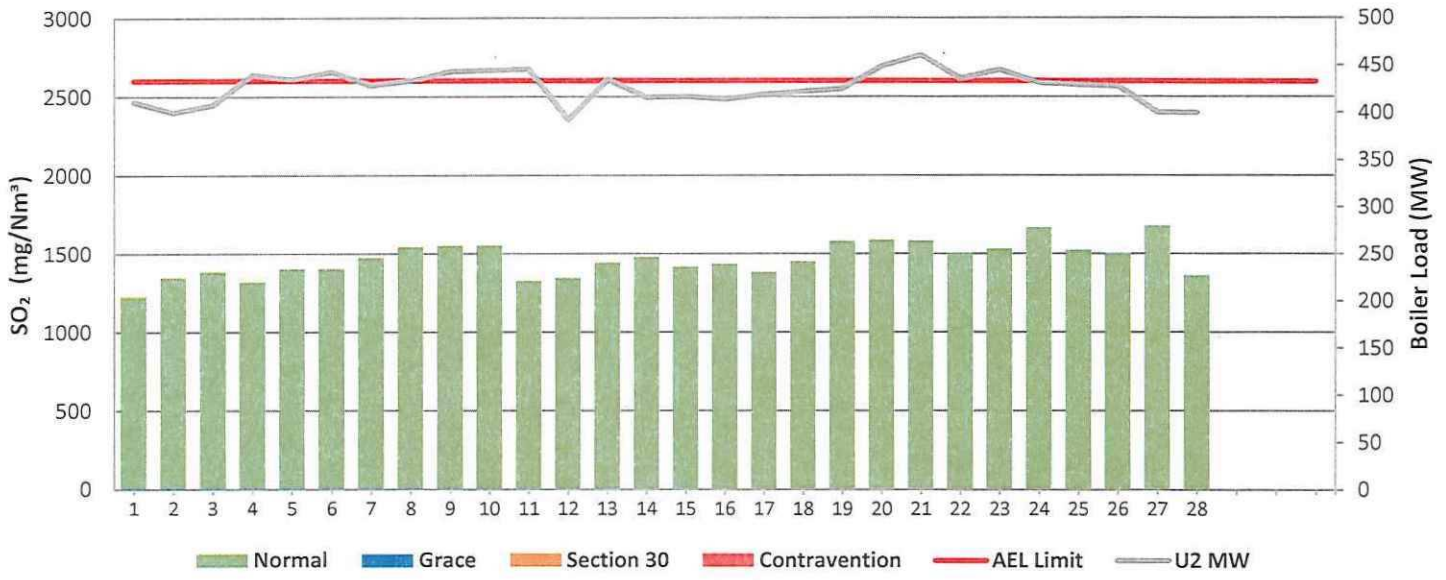


Figure 6: Duvha Unit 4 SO<sub>2</sub> Emissions - February 2026

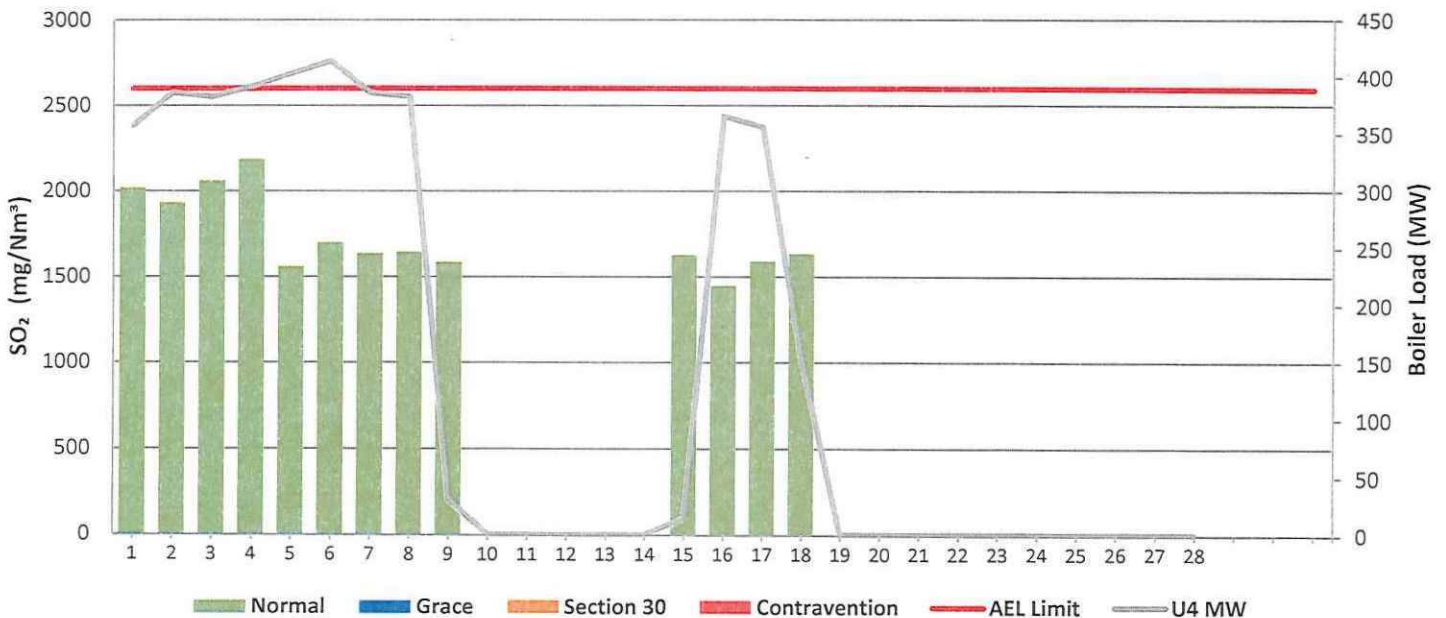


Figure 7: Duvha Unit 5 SO<sub>2</sub> Emissions - February 2026

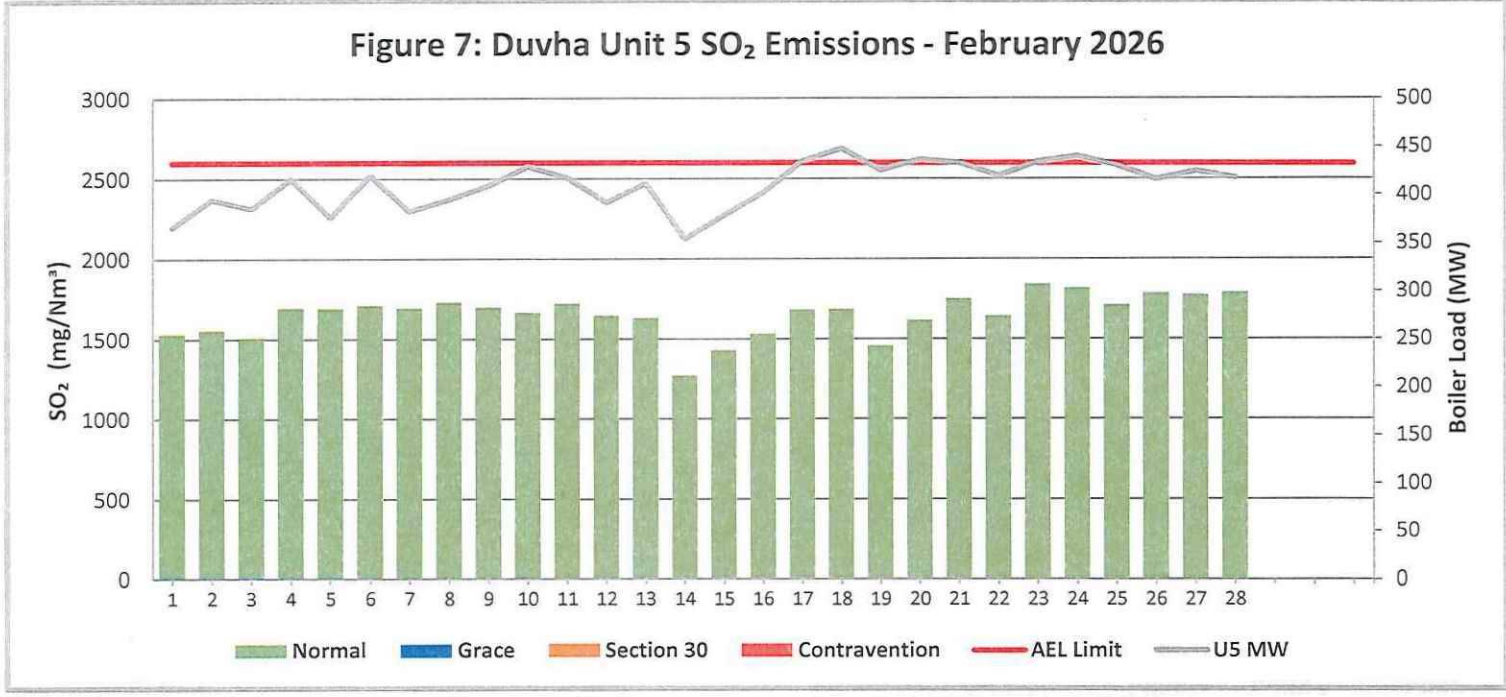


Figure 8: Duvha Unit 6 SO<sub>2</sub> Emissions - February 2026

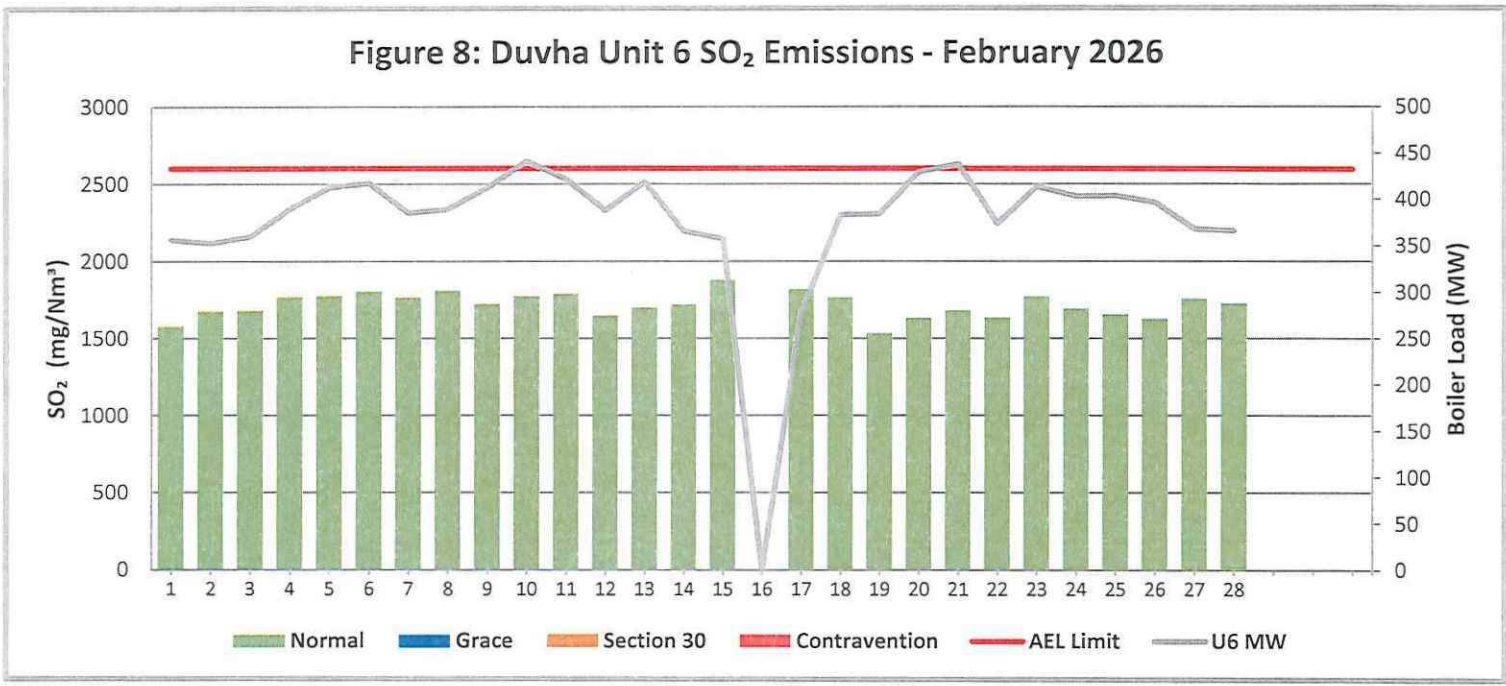


Figure 9: Duvha Unit 2 NO<sub>x</sub> Emissions - February 2026

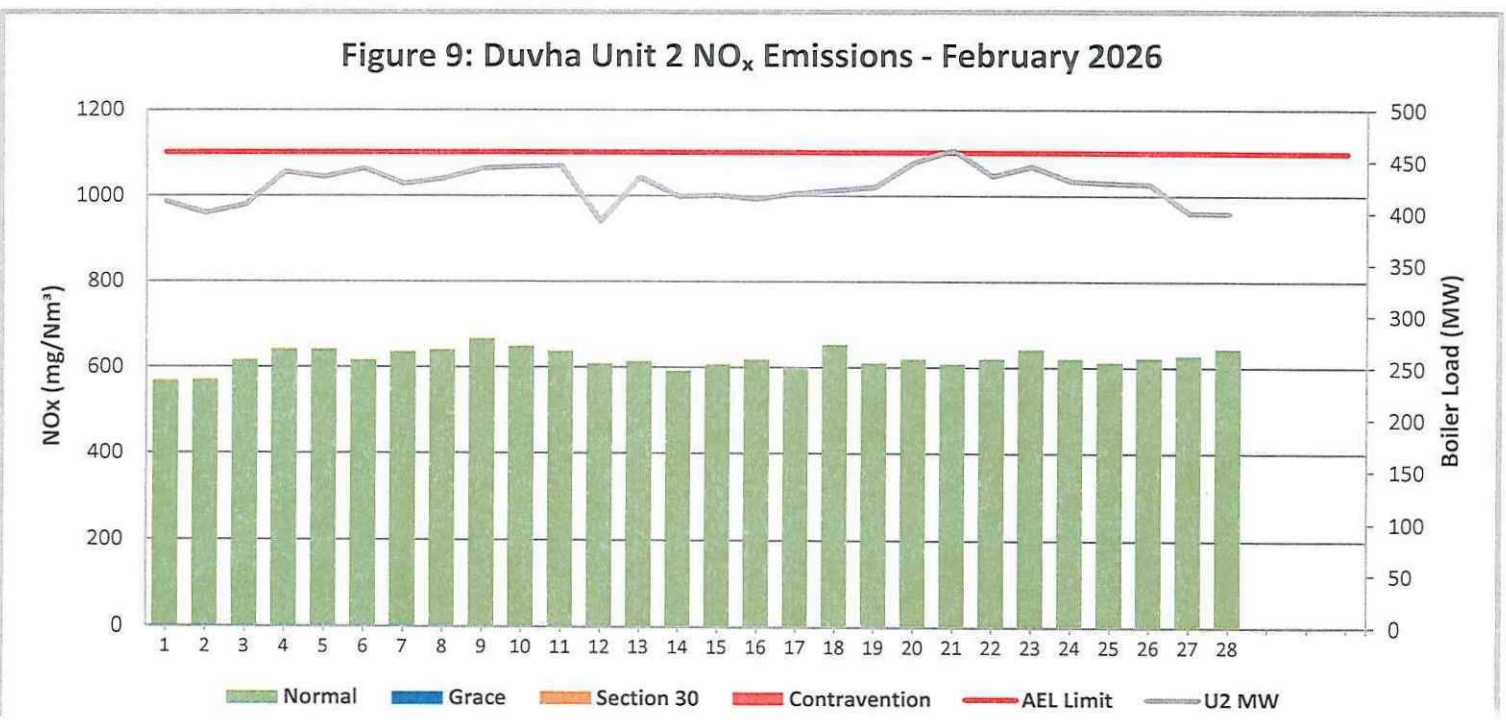


Figure 10: Duvha Unit 4 NO<sub>x</sub> Emissions - February 2026

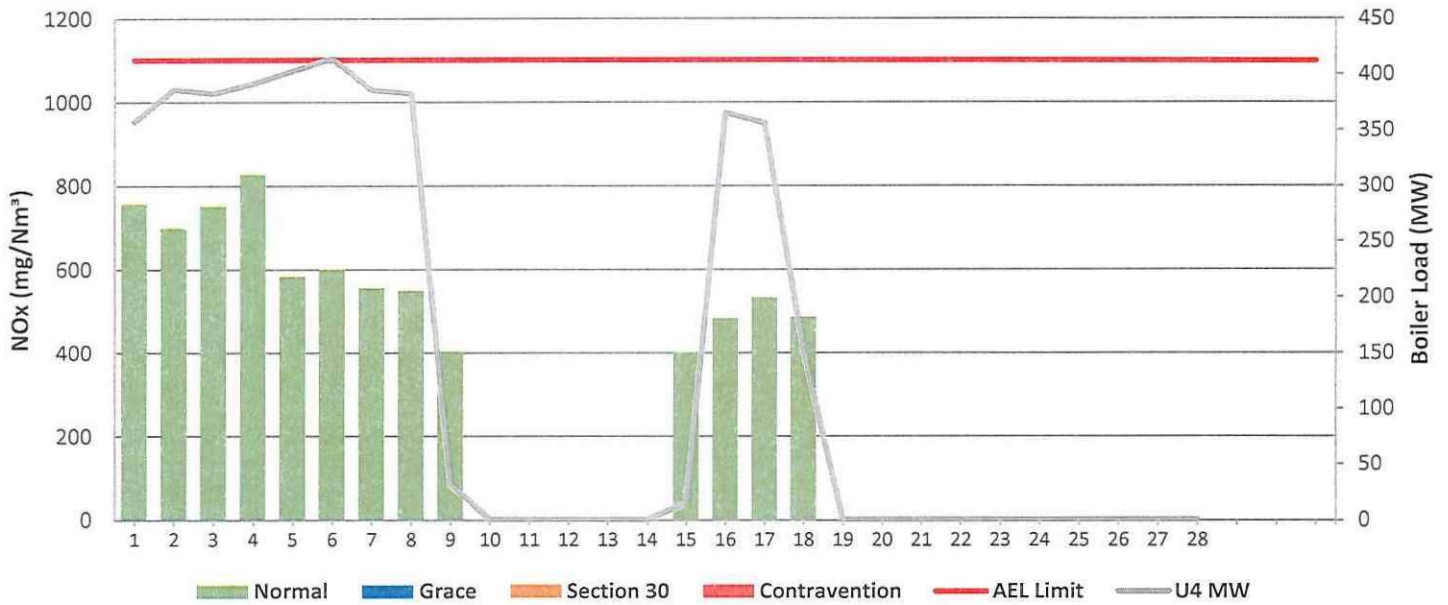


Figure 11: Duvha Unit 5 NO<sub>x</sub> Emissions - February 2026

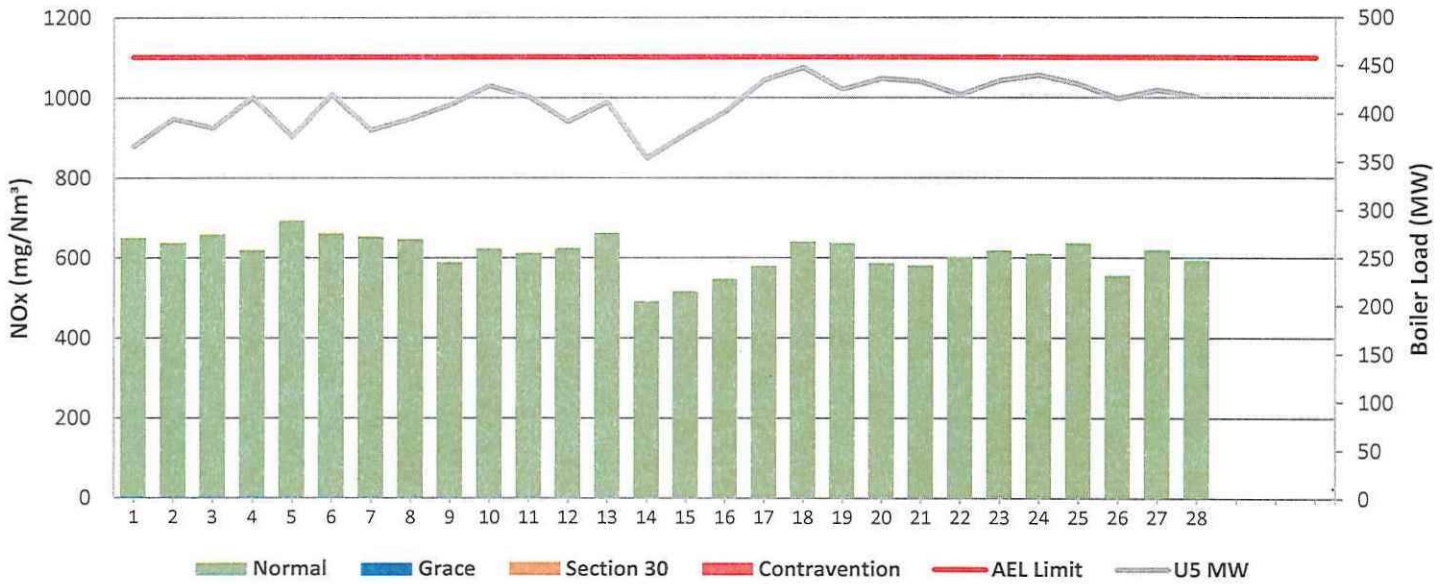
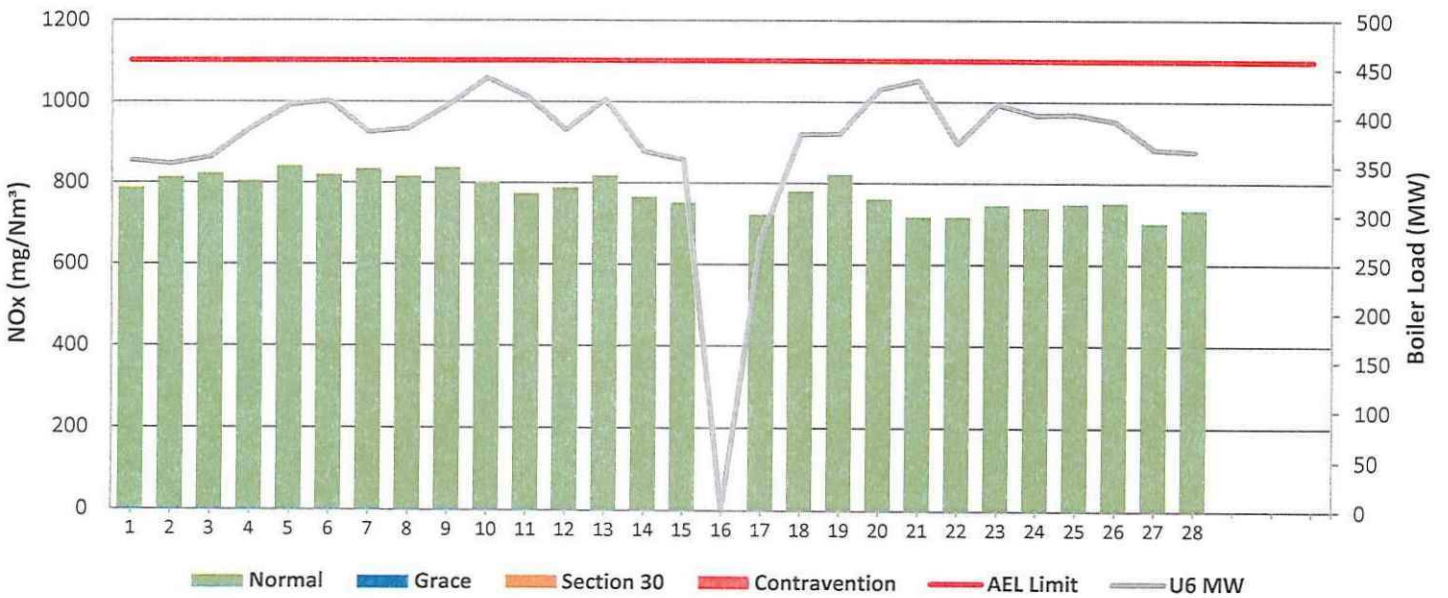


Figure 12: Duvha Unit 6 NO<sub>x</sub> Emissions - February 2026



Event Description	Event 1		Event 2		
Unit 4	Breaker Open (BO)	2:10 am	2026/02/09	9:40 am	2026/02/18
	Draught Group (DG) Shut Down (SD)	5:40 am	2026/02/09	1:10 pm	2026/02/18
	BO to DG SD (duration)	00:03:30	DD:HH:MM	00:03:30	DD:HH:MM
	Fires in time	2:05 pm	2026/02/15		
	Synch. to Grid (or BC)	9:15 pm	2026/02/15		
	Fires in to BC (duration)	00:07:10	DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2026/02/17		
	Emissions below limit from BC (duration)	01:02:45	DD:HH:MM		DD:HH:MM

Event Description	Event 1		
Unit 6	Breaker Open (BO)	10:40 pm	2026/02/15
	Draught Group (DG) Shut Down (SD)	12:05 am	2026/02/16
	BO to DG SD (duration)	00:01:25	DD:HH:MM
	Fires in time	6:10 am	2026/02/17
	Synch. to Grid (or BC)	2:40 pm	2026/02/17
	Fires in to BC (duration)	00:08:30	DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2026/02/18
	Emissions below limit from BC (duration)	00:09:20	DD:HH:MM

## 8 COMPLAINTS

There were no complaints for this month.

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

## 9 GENERAL

The rest of the information demonstrating compliance with the emission license conditions is supplied in the annual emission report which will be sent to your office

