



Ms Nompumelelo Simelane
Nkangala District Municipality
PO Box 437
Middleburg
1050

Date:

February 2026

Enquiries: Lesiba Kgobe
Tel: +27 13 699 7817

Ref: *Kusile Power Station AEL (17/4/AEL/MP311/12/01)*

Dear Ms. Simelane

KUSILE POWER STATION'S MONTHLY EMISSIONS REPORT FOR JANUARY 2026

This serves as the monthly report required in terms of Section 7.6 in Kusile Power Station's Atmospheric Emission License: 17/4/AEL/MP311/12/01. The emissions are for the month of January 2026.

Hoping the above will meet your satisfaction.

Yours sincerely

26/02/2026

Christopher Nani
GENERAL MANAGER
DATE:

**1. KUSILE POWER STATION MONTHLY EMISSIONS REPORT: Atmospheric Emission
License 17/4/AEL/MP311/12/01**



2. Raw Materials and Products

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Jan-2026
	Coal	Tons	1 818 083	914 927
	Fuel Oil	Tons	5 533	4 888
	Limestone	Tons	72 017	30 464

Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Jan-2026
	Energy	GWh	3 321.216	1 694.17
	Ash	Tons	796 300	287 718
	Gypsum	Tons	155 100	17 060
	RE PM	kg/MWh	not specified	0.02
	RE SOx	kg/MWh	not specified	0.70

Note: Maximum energy rate is as per the maximum capacity stated in the AEL: [4 464 MW] x 24 hrs x days in Month/1000 to convert to GWh

3. Energy source characteristics

Fuel Characteristic	Units	Stipulated Range	Monthly Average Content
Coal Sulphur	%	1.3	0.83
Ash in Coal	%	38	31.45
Fuel Oil Sulphur	%	3.5	2.20

4. Emissions Limits (mg/Nm³)

Associated Unit/Stack	PM	SO ₂	NO _x
North Stack	50	1000	750
South Stack	50	1000	750

5. Abatement Technology (%)

Associated Unit/Stack	Technology Type	FFP Efficiency	Technology Type	FGD Efficiency
Unit 1	Fabric Filter Plant (FFP)	99.99%	Flue Gas Desulphurisation (FGD)	99.88%
Unit 2	Fabric Filter Plant (FFP)	99.97%	Flue Gas Desulphurisation (FGD)	99.93%
Unit 3	Fabric Filter Plant (FFP)	99.98%	Flue Gas Desulphurisation (FGD)	99.96%
Unit 4	Fabric Filter Plant (FFP)	99.98%	Flue Gas Desulphurisation (FGD)	99.90%
Unit 5	Fabric Filter Plant (FFP)	Off-line	Flue Gas Desulphurisation (FGD)	Off-line
Unit 6	Fabric Filter Plant (FFP)	99.99%	Flue Gas Desulphurisation (FGD)	99.92%

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

6. Monitoring reliability (%)

Associated Unit/Stack	PM	SO ₂	NO
Unit 1	100.0	100.0	100.0
Unit 2	100.0	100.0	100.0
Unit 3	100.0	100.0	91.7
Unit 4	100.0	99.6	99.3
Unit 5	Off	Off	Off
Unit 6	100.0	99.2	99.3

Note: NO_x emissions are measured as NO in PPM. The final NO_x value is expressed as total NO₂ equivalent.

KUSILE POWER STATION'S MONTHLY EMISSIONS REPORT FOR JANUARY 2026 -
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Table 7.1: Monthly tonnages for the month of January - 2026

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	5.0	349	676
Unit 2	16.0	172	339
Unit 3	6.0	76	359
Unit 4	9.9	327	767
Unit 5	Off	Off	Off
Unit 6	1.1	265	825
SUM	38.10	1 189	2 966

Table 7.2: PM AEL Daily Compliance – January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	30	0	0	0	0	2.6
Unit 2	27	0	0	0	0	9.2
Unit 3	22	0	0	0	0	3.7
Unit 4	31	0	0	0	0	3.8
Unit 5	Off	Off	Off	Off	Off	Off
Unit 6	31	0	0	0	0	0.5
SUM	141	0	0	0	0	

Table 7.3: SO₂ AEL Daily & Monthly Compliance – January 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	31	0	0	0	0	169.0
Unit 2	28	0	0	0	0	93.6
Unit 3	24	0	0	0	0	42.3
Unit 4	31	0	0	0	0	123.4
Unit 5	Off	Off	Off	Off	Off	Off
Unit 6	31	0	0	0	0	115.5
SUM	145	0	0	0	0	

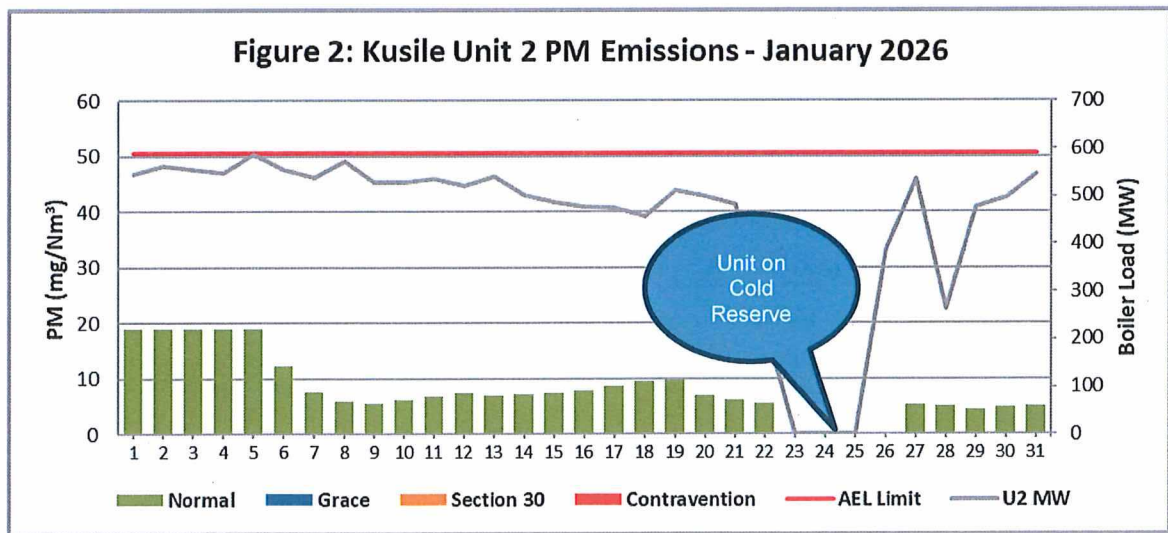
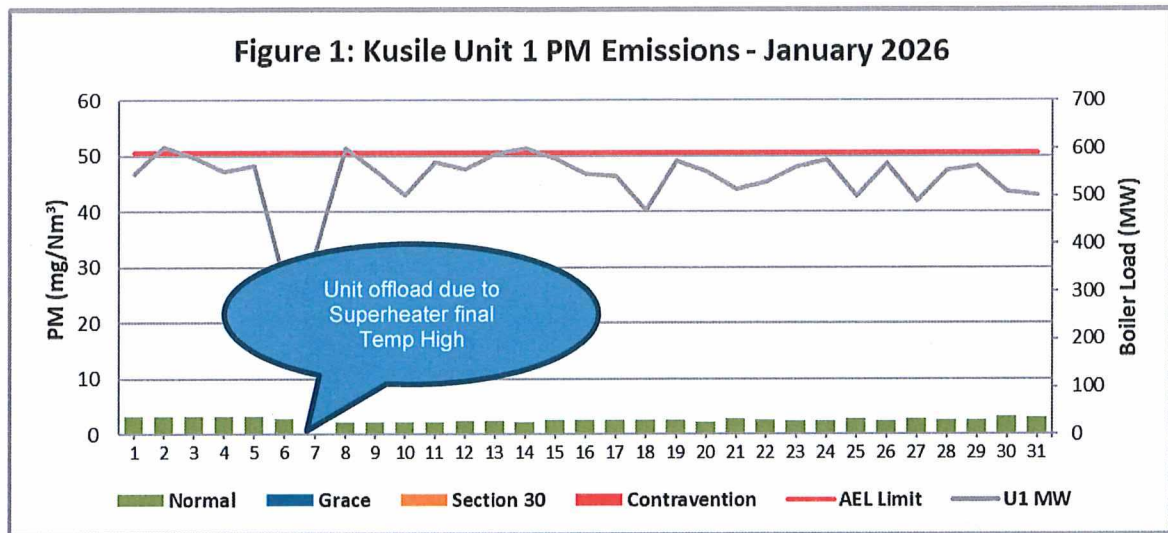
Table 7.4: NO_x AEL Daily Compliance – January 20256

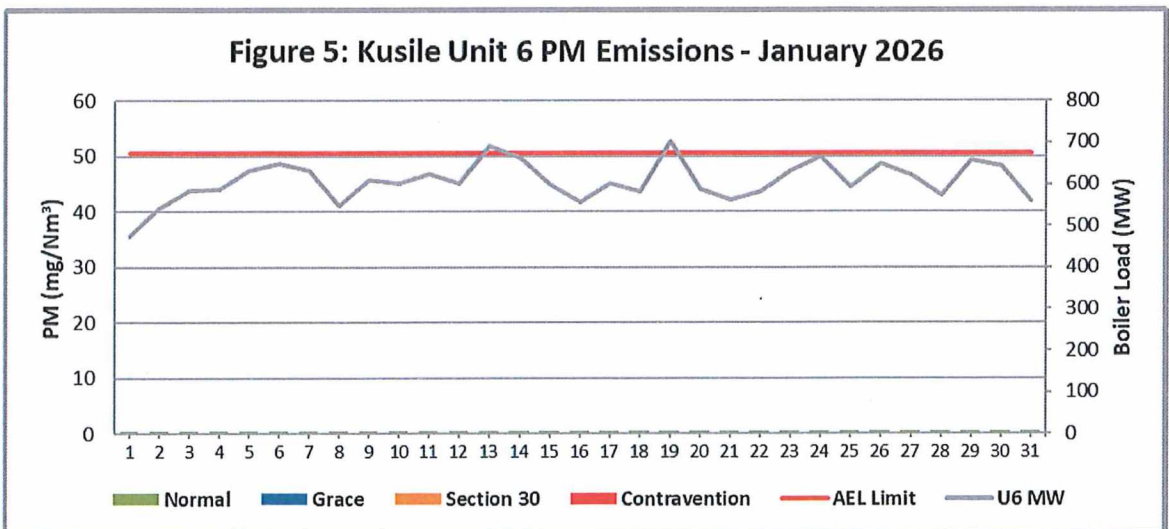
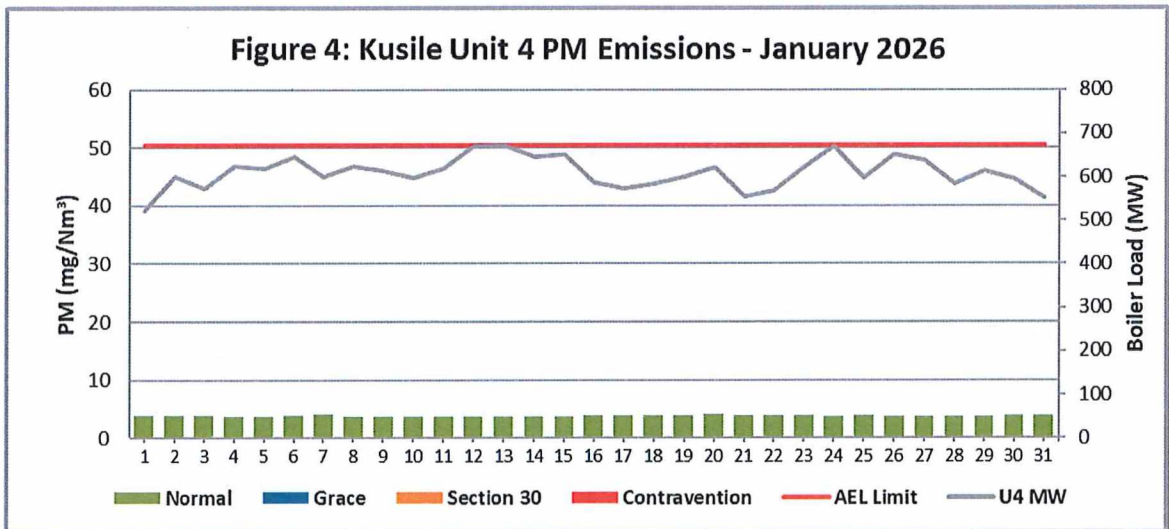
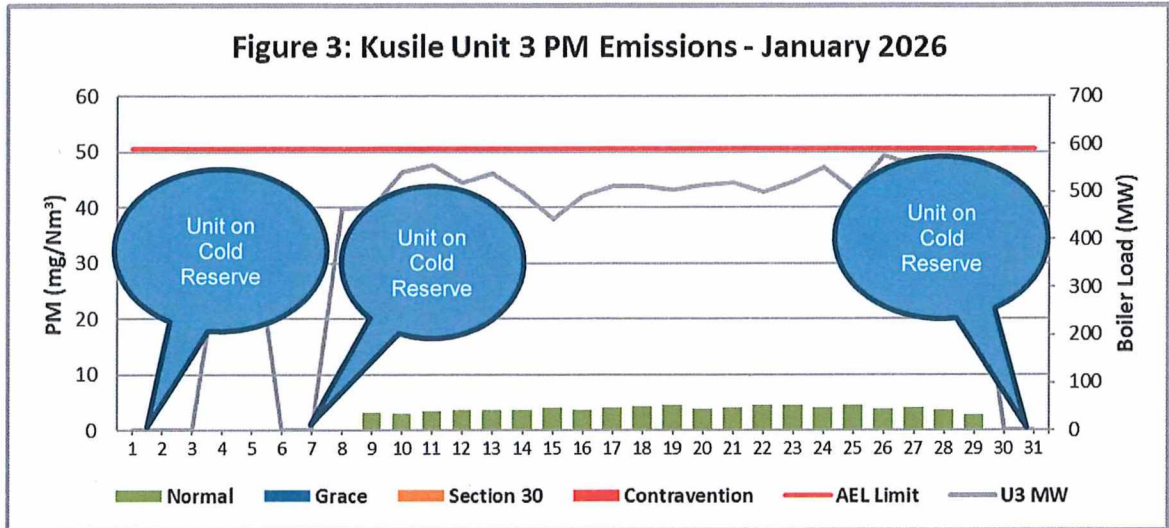
Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	31	0	0	0	0	337.7
Unit 2	28	0	0	0	0	187.2
Unit 3	24	0	0	0	0	203.9
Unit 4	31	0	0	0	0	292.4
Unit 5	Off	Off	Off	Off	Off	Off
Unit 6	31	0	0	0	0	370.7
SUM	145	0	0	0	0	

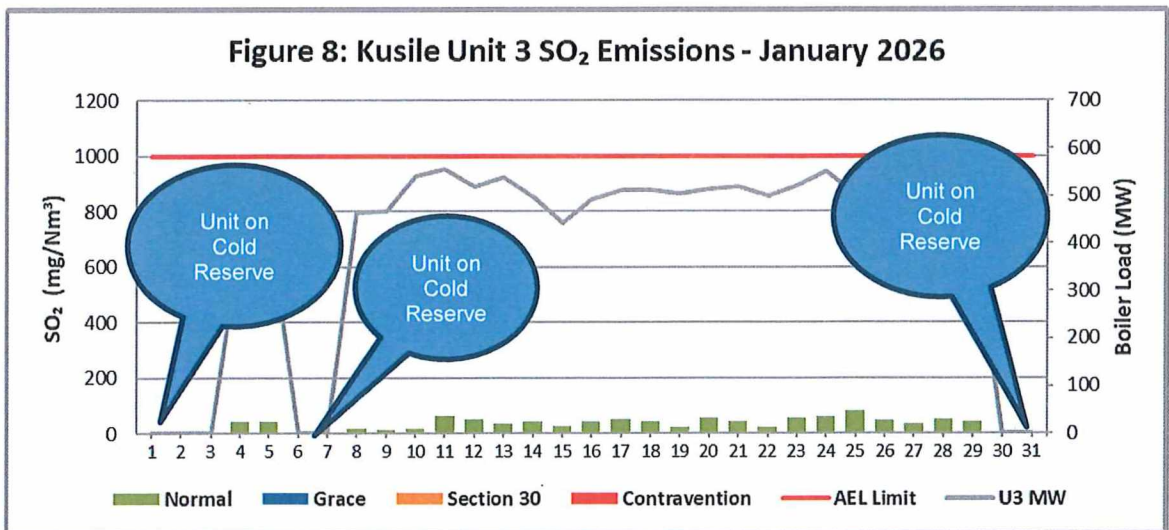
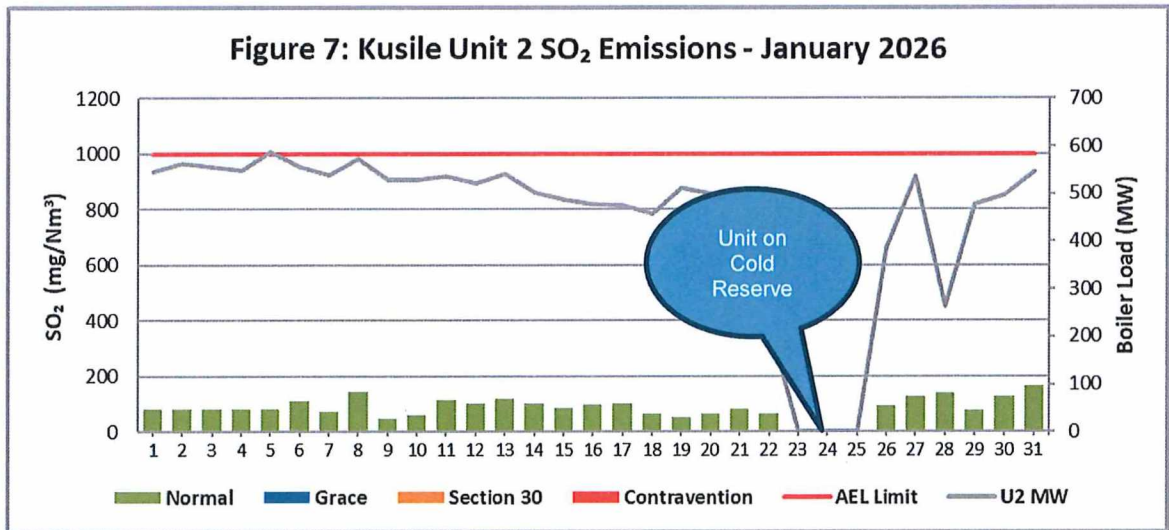
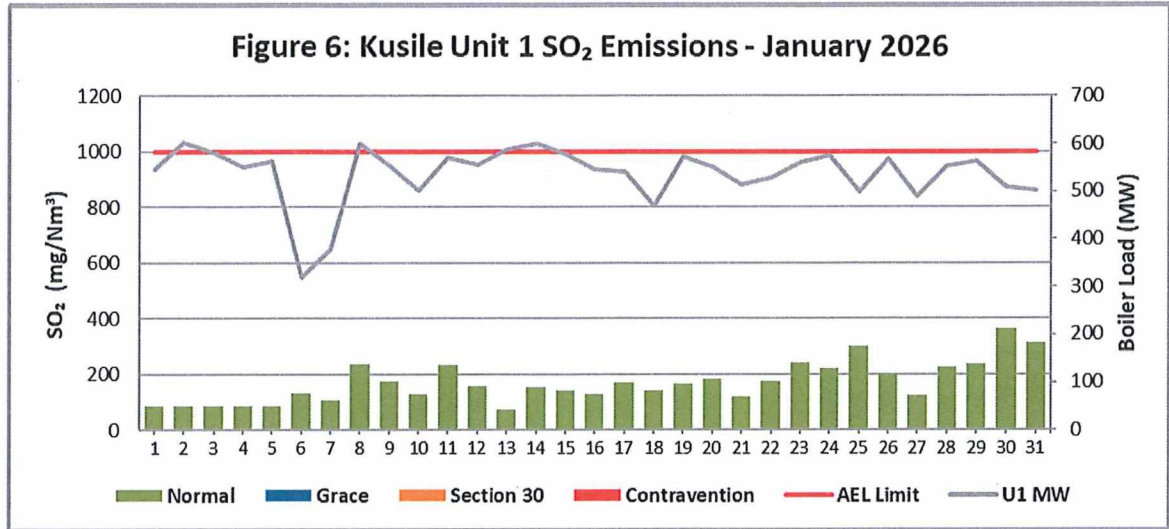
Table 7.5: Legend Description

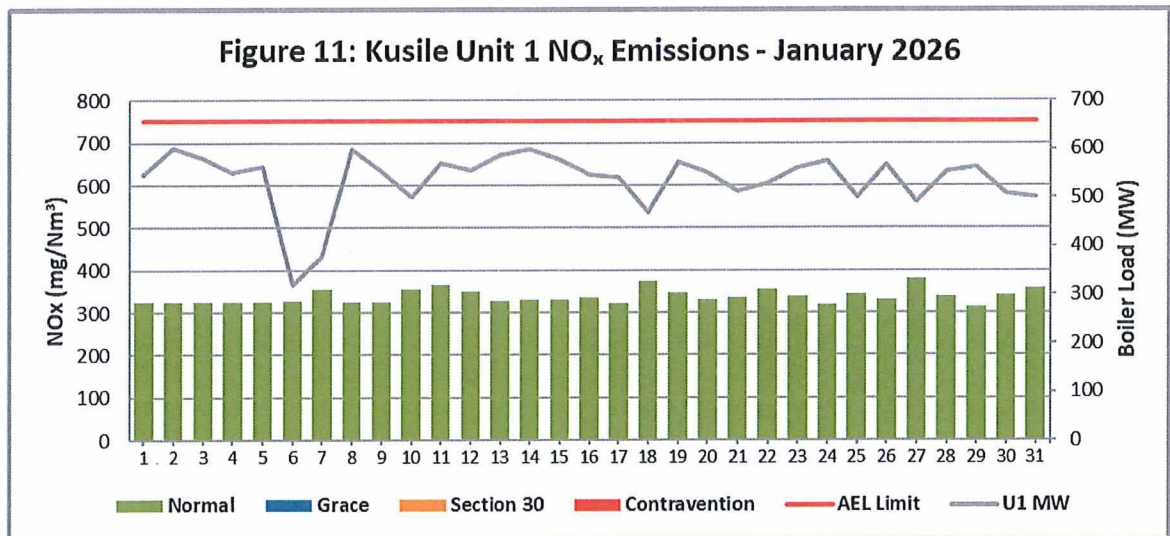
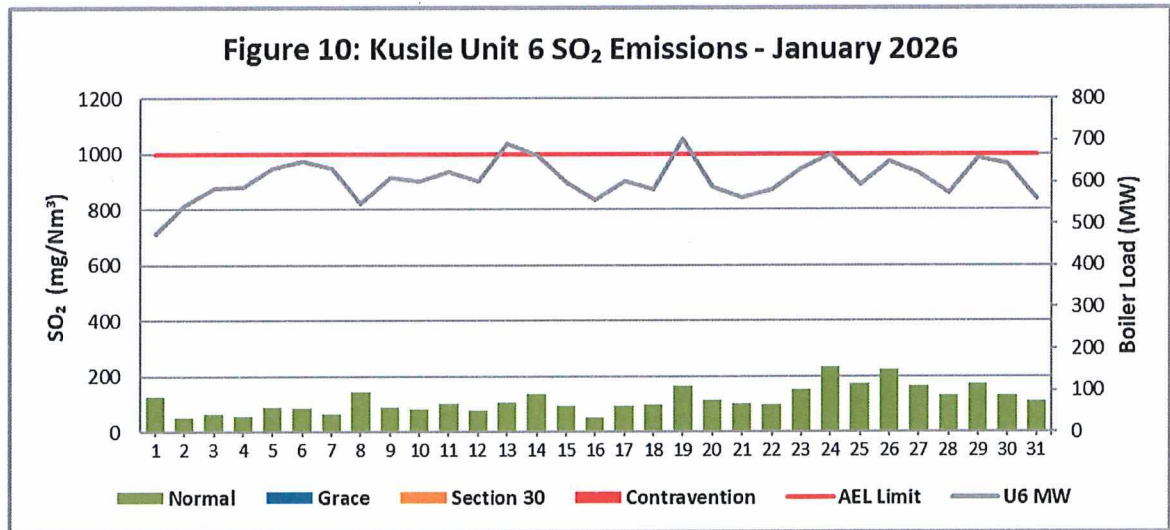
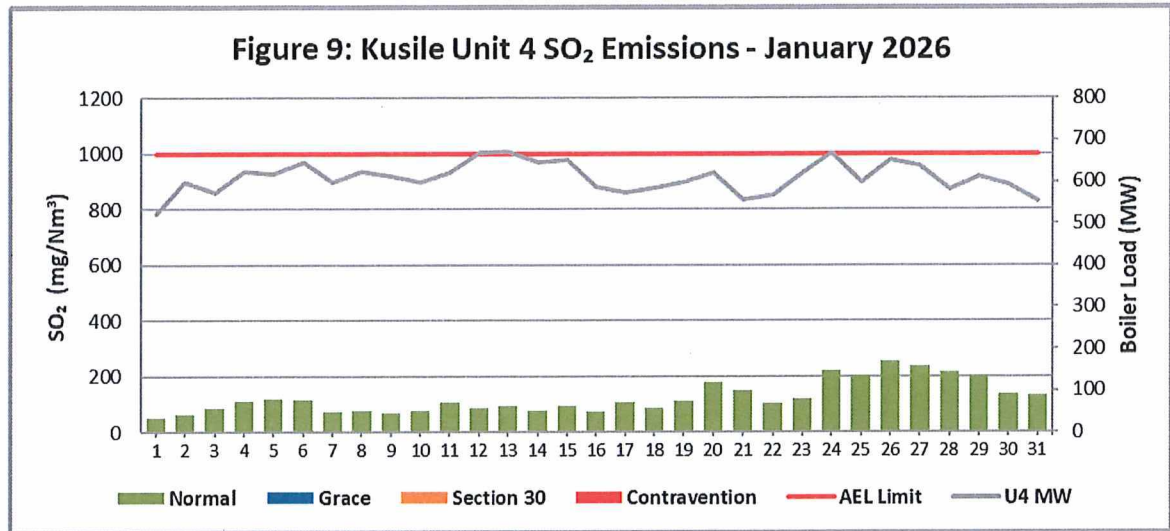
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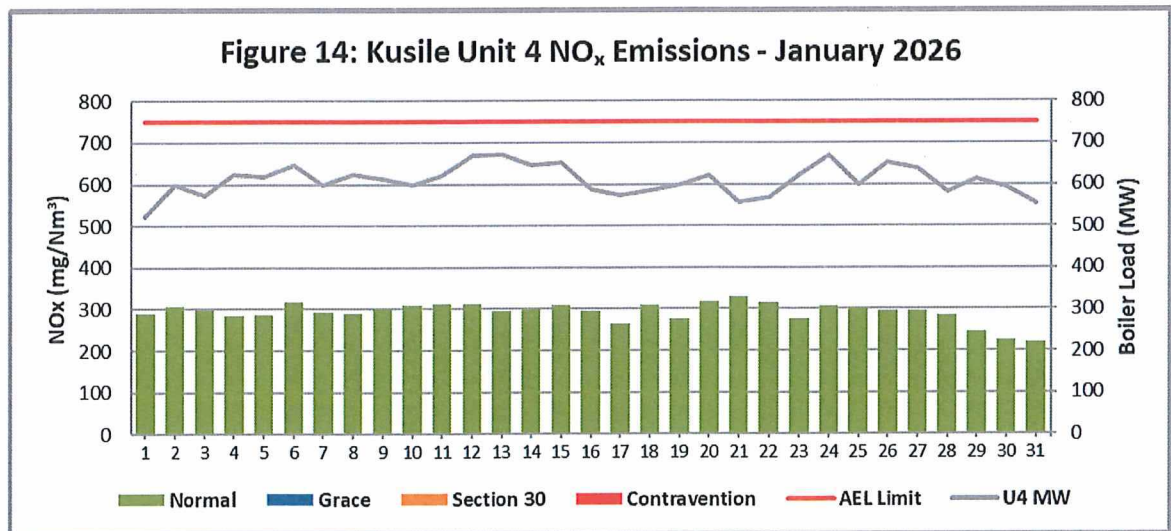
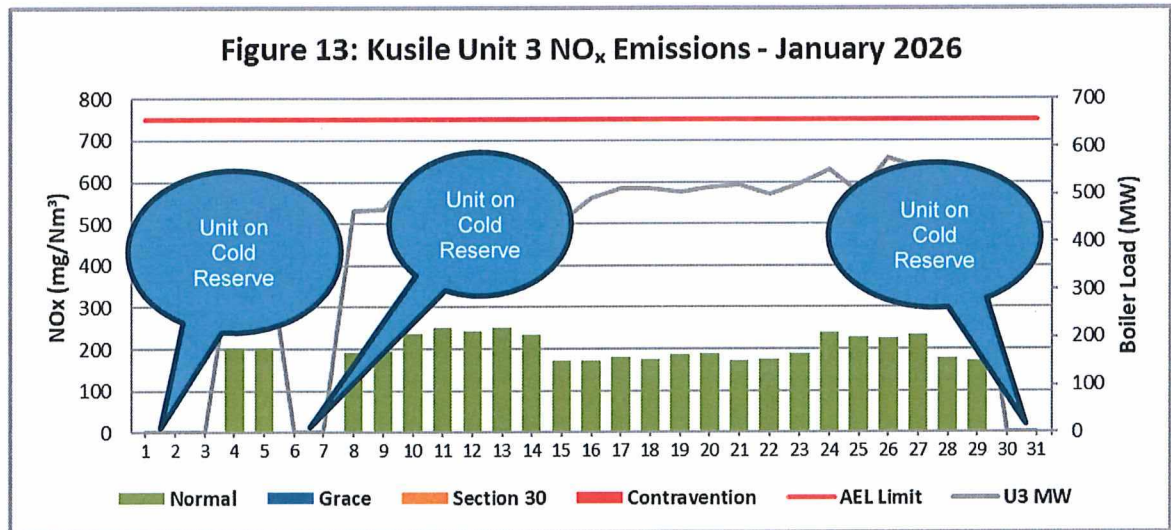
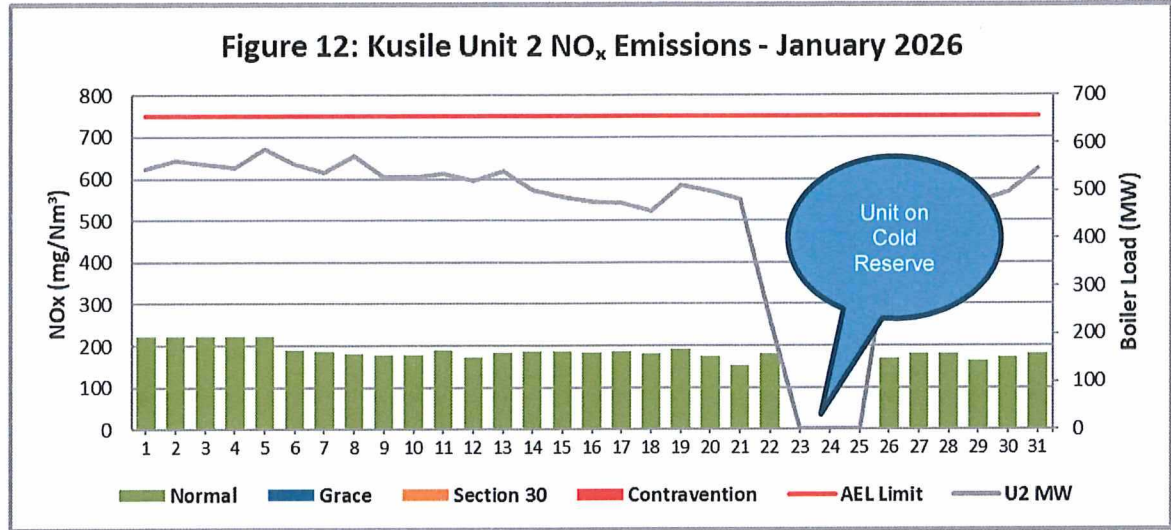
Condition	Colour	Description
Normal	Green	Emissions below Emission Limit Value (ELV)
Grace	Blue	Emissions above the ELV during grace period
Section 30	Orange	Emissions above ELV during a NEMA S30 incident
Contravention	Red	Emissions above ELV but outside grace or S30 incident conditions

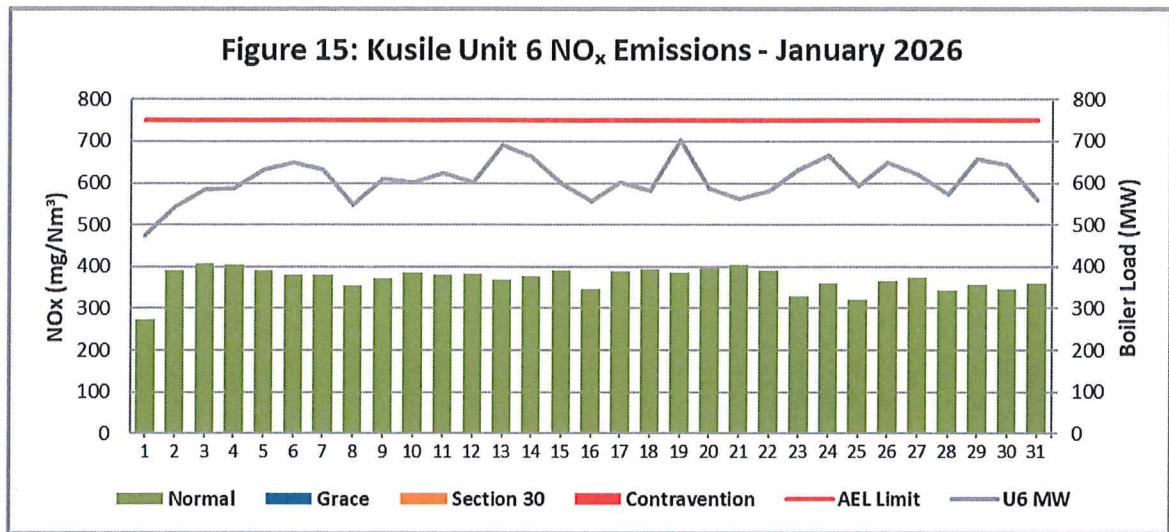












8. Correlation and Parallel test status

Unit 1:

- Unit 1 is operating with valid correlation curves and parallel factors.

Unit 2:

- Unit 2 is operating with valid correlation curves and parallel factors.

Unit 3:

- Unit 3 is operating with valid correlation curves and parallel factors.

Unit 4:

- Unit 4 is operating with valid correlation curves and parallel factors.

Unit 5:

- Unit 5 is operating with valid correlation curves and parallel factors.

Unit 6:

- Unit 6 is operating with valid correlation curves and parallel factors.

9. Shut down and Light up information

Event Description	Event 1		
Unit 1	Breaker Open (BO)	12:45 pm	2026/01/06
	Draught Group (DG) Shut Down (SD)	1:50 pm	2026/01/06
	BO to DG SD (duration)	00:01:05	DD:HH:MM
	Fires in time	1:20 pm	2026/01/07
	Synch. to Grid (or BC)	6:10 pm	2026/01/07
	Fires in to BC (duration)	00:04:50	DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2026/01/09
	Emissions below limit from BC (duration)	01:05:50	DD:HH:MM

Event Description	Event 1		Event 2		Event 3		
Unit 2	Breaker Open (BO)	10:40 am	2026/01/22	12:30 pm	2026/01/28	BO previously	BO previously
	Draught Group (DG) Shut Down (SD)	DG did not trip or SD	DG did not trip or SD	DG did not trip or SD	DG did not trip or SD	n/a	n/a
	BO to DG SD (duration)	n/a	DD:HH:MM	n/a	DD:HH:MM	n/a	DD:HH:MM
	Fires in time			2:15 am	2026/01/26	9:05 pm	2026/01/28
	Synch. to Grid (or BC)			5:55 am	2026/01/26	11:30 pm	2026/01/28
	Fires in to BC (duration)		DD:HH:MM	00:03:40	DD:HH:MM	00:02:25	DD:HH:MM
	Emissions below limit from BC (end date)			12:00 am	2026/01/28	12:00 am	2026/01/30
	Emissions below limit from BC (duration)		DD:HH:MM	01:18:05	DD:HH:MM	01:00:30	DD:HH:MM

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Event Description	Event 1		Event 2		Event 3		
Unit 3	Breaker Open (BO)	6:40 am 2025/12/29	3:45 pm 2026/01/05	4:25 pm 2026/01/29			
	Draught Group (DG) Shut Down (SD)	DG did not trip or SD	DG did not trip or SD	DG did not trip or SD	DG did not trip or SD	DG did not trip or SD	
	BO to DG SD (duration)	n/a	DD:HH:MM	n/a	DD:HH:MM	n/a	DD:HH:MM
	Fires in time						
	Synch. to Grid (or BC)						
	Fires in to BC (duration)		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)						
	Emissions below limit from BC (duration)		DD:HH:MM		DD:HH:MM		DD:HH:MM

Event Description	Event 1	
Unit 6	Breaker Open (BO)	6:40 am 2026/01/08
	Draught Group (DG) Shut Down (SD)	DG did not trip or SD DG did not trip or SD
	BO to DG SD (duration)	n/a DD:HH:MM
	Fires in time	
	Synch. to Grid (or BC)	
	Fires in to BC (duration)	DD:HH:MM
	Emissions below limit from BC (end date)	
	Emissions below limit from BC (duration)	DD:HH:MM

10.Complaints

There were no complaints for the month of January 2026

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
No complaints reported for the month of January 2026.				