Eskom

Ms Nompumelelo Simelane
Nkangala District Municipality
PO Box 437
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1050

Date:
March 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 FEBRUARY 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 February 2026.

Hoping the above will meet your satisfaction.

Yours sincerely

Christopher Nani
GENERAL MANAGER
DATE: 2026-03-30

Generation Division – Coal New Build Unit
Management Department (Kusile Power Station)
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Eskom Holdings SOC Ltd Reg No 2002/015527/30

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 Feb-2026**
	Coal	Tons	*1 818 083*	*788 371*
	Fuel Oil	Tons	*5 533*	*4 331.61*
	Limestone	Tons	*72 017*	*32 118*
Production Rates	**Product / By-Product Name**	**Units**	**Max Production Capacity Permitted**	**Indicative Production Rate Feb-2026**
	Energy	GWh	*3 321.216*	*1 524.02*
	Ash	Tons	*796 300*	*276 228*
	Gypsum	Tons	*155 100*	*17 987*
	RE PM	kg/MWh	*not specified*	*0.02*
	RE SOx	kg/MWh	*not specified*	*0.37*

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*	*1.03*
Ash in Coal	%	*38*	*35.04*
Fuel Oil Sulphur	%	*3.5*	*2.51*

4. Emissions Limits (mg/Nm³)

Associated Unit/Stack	PM	SO_2	NOx
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)*	*99.89%*
Unit 2	*Fabric Filter Plant (FFP)*	*99.99%*	*Flue Gas Desulphurisation (FGD)*	*99.94%*
Unit 3	*Fabric Filter Plant (FFP)*	*99.99%*	*Flue Gas Desulphurisation (FGD)*	*99.95%*
Unit 4	*Fabric Filter Plant (FFP)*	*99.99%*	*Flue Gas Desulphurisation (FGD)*	*99.97%*
Unit 5	*Fabric Filter Plant (FFP)*	*99.99%*	*Flue Gas Desulphurisation (FGD)*	*99.99%*
Unit 6	*Fabric Filter Plant (FFP)*	*99.99%*	*Flue Gas Desulphurisation (FGD)*	*99.97%*

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*	*99.3*
Unit 2	*100.0*	*100.0*	*100.0*
Unit 3	*100.0*	*100.0*	*100.0*
Unit 4	*99.7*	*99.1*	*99.1*
Unit 5	*99.8*	*96.4*	*99.2*
Unit 6	*93.5*	*99.3*	*99.3*

Note: NO_x emissions are measured as NO in PPM. The final NO_x value is expressed as total NO_2 equivalent.

7. Emissions Performance

Table 7.1: Monthly tonnages for the month of February - 2026

Associated Unit/Stack	PM (tons)	SO_2 (tons)	NO_x (tons)
Unit 1	0.5	58	99
Unit 2	4.6	136	366
Unit 3	6.4	165	615
Unit 4	7.8	94	448
Unit 5	3.7	28	327
Unit 6	0.8	81	510
SUM	23.79	562	2 364

Table 7.2: PM AEL Daily Compliance – February 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	4	0	0	0	0	3.3
Unit 2	23	0	0	0	0	4.3
Unit 3	26	0	0	0	0	3.7
Unit 4	28	0	0	0	0	3.8
Unit 5	19	0	0	0	0	3.8
Unit 6	23	0	0	0	0	0.6
SUM	**123**	**0**	**0**	**0**	**0**	

Table 7.3: SO_2 AEL Daily & Monthly Compliance – February 2026

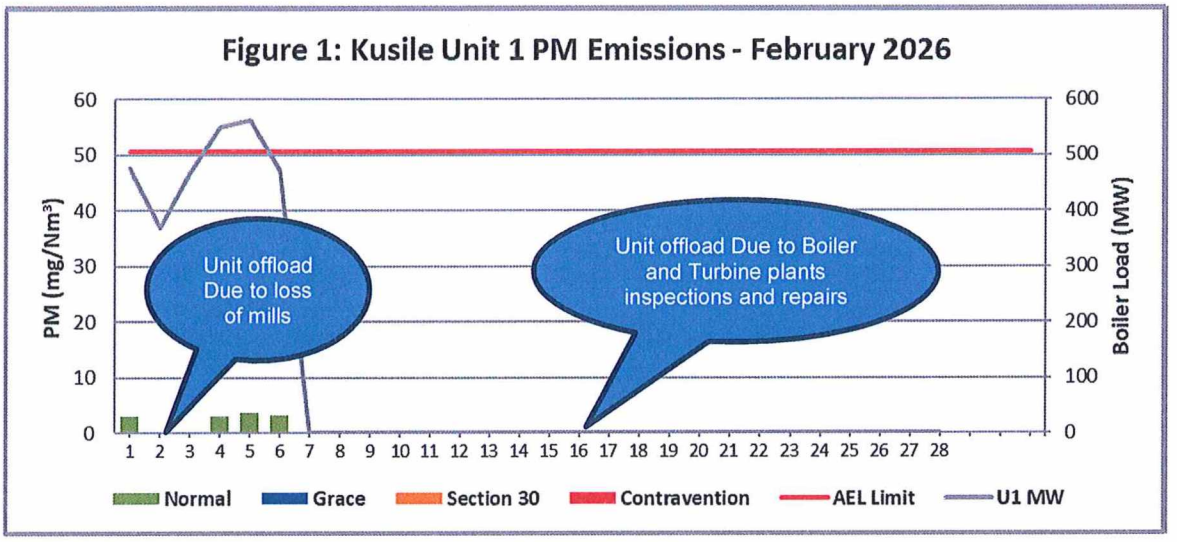
Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	6	0	0	0	0	211.0
Unit 2	25	0	0	0	0	104.3
Unit 3	27	0	0	0	0	88.4
Unit 4	28	0	0	0	0	44.5
Unit 5	21	0	0	0	0	26.7
Unit 6	23	0	0	0	0	54.0
SUM	**130**	**0**	**0**	**0**	**0**	

Table 7.4: NO_x AEL Daily Compliance – February 2026

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	6	0	0	0	0	394.8
Unit 2	25	0	0	0	0	308.0
Unit 3	27	0	0	0	0	340.2
Unit 4	28	0	0	0	0	216.2
Unit 5	21	0	0	0	0	307.4
Unit 6	23	0	0	0	0	353.7
SUM	**130**	**0**	**0**	**0**	**0**	

Table 7.5: 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



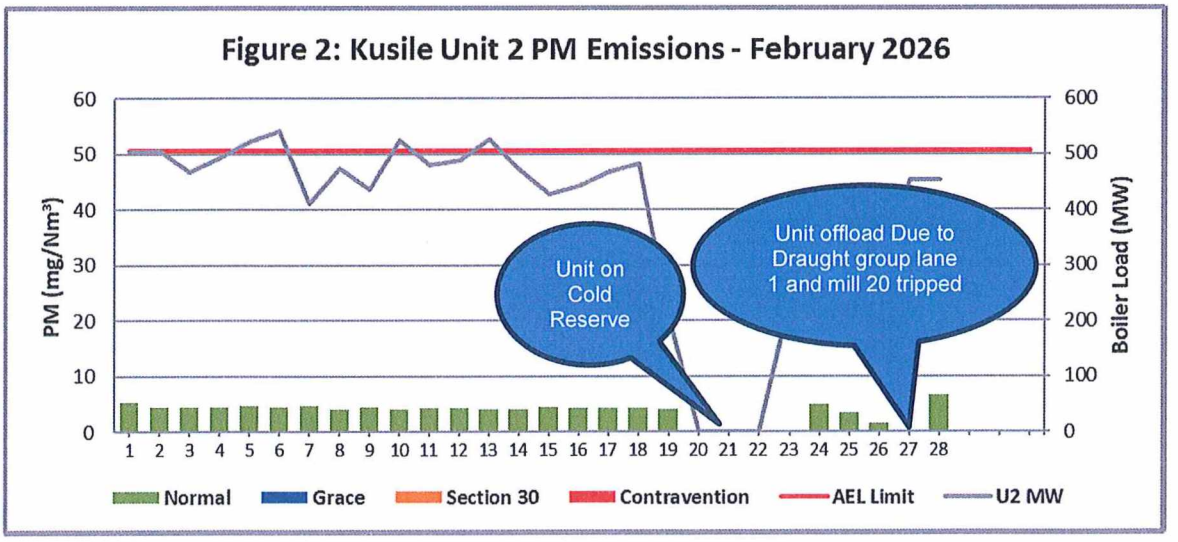


Figure 3: Kusile Unit 3 PM Emissions - February 2026

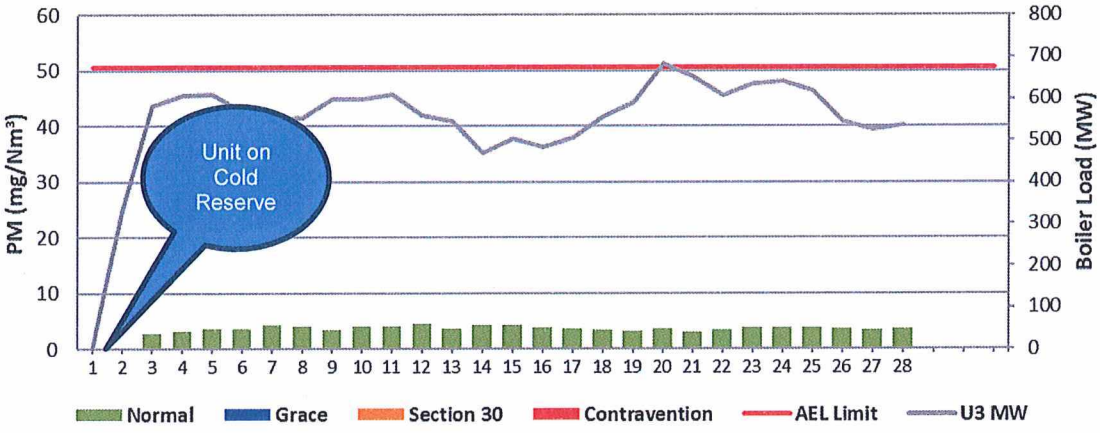


Figure 4: Kusile Unit 4 PM Emissions - February 2026

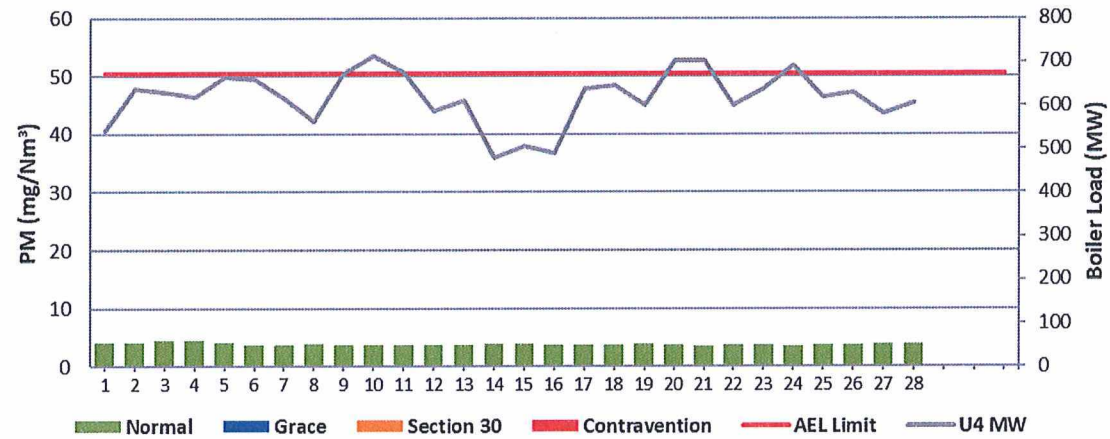
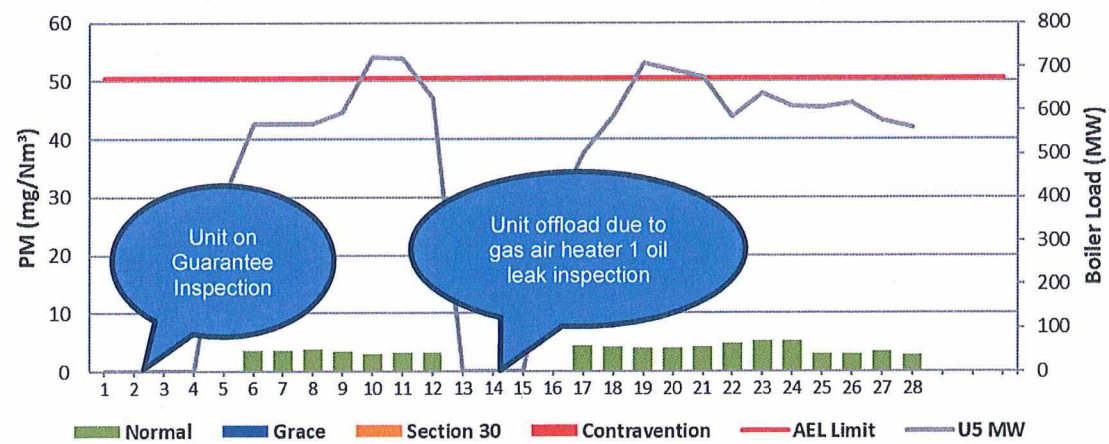


Figure 5: Kusile Unit 5 PM Emissions - February 2026



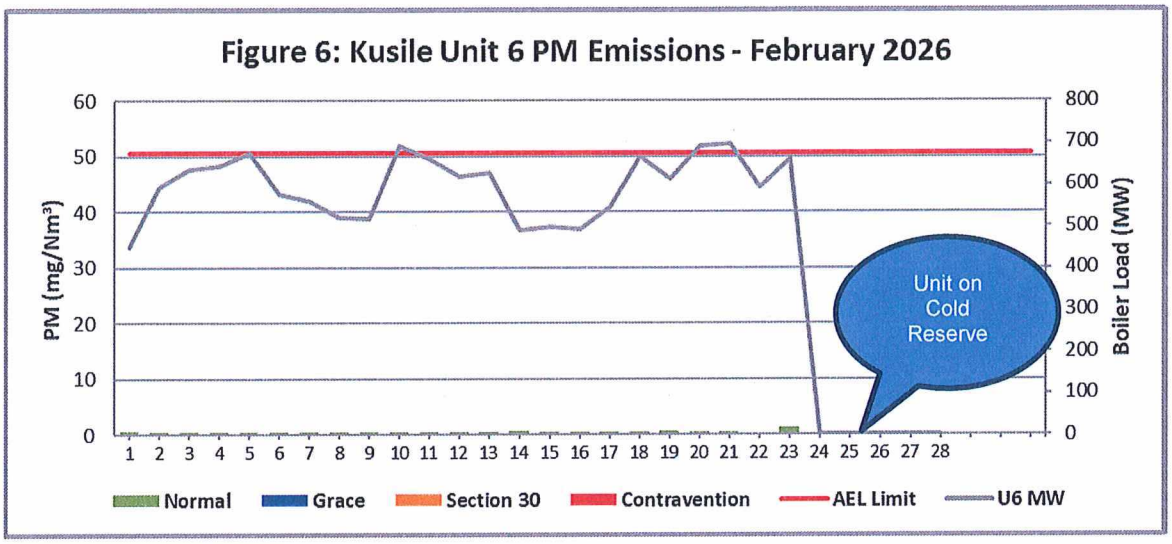


Figure 6: Kusile Unit 6 PM Emissions - February 2026
PM (mg/Nm³)
Boiler Load (MW)
Unit on Cold Reserve
Normal
Grace
Section 30
Contravention
AEL Limit
U6 MW

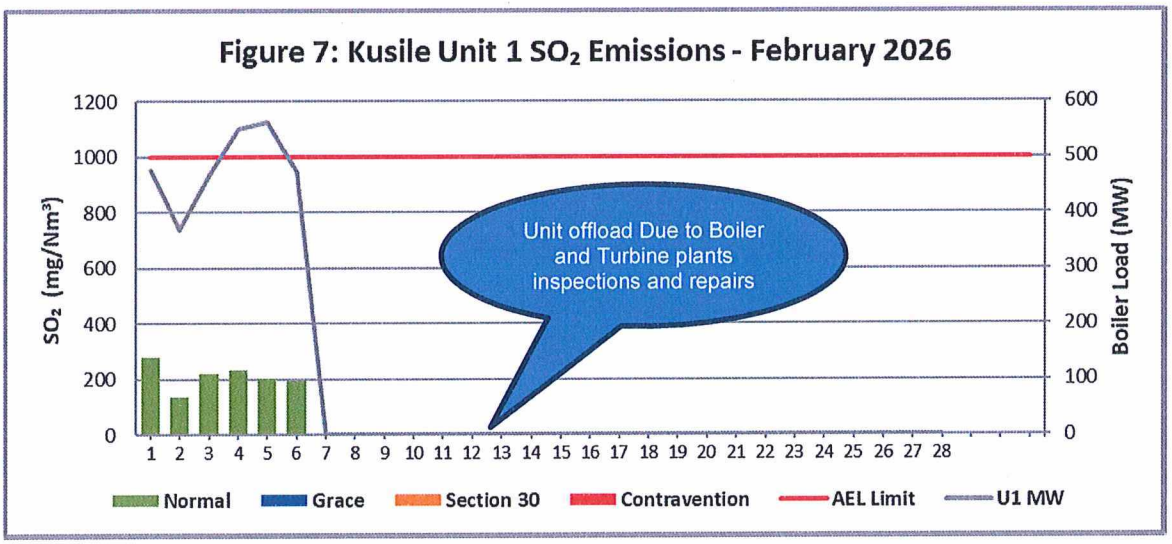


Figure 7: Kusile Unit 1 SO₂ Emissions - February 2026
SO₂ (mg/Nm³)
Boiler Load (MW)
Unit offload Due to Boiler and Turbine plants inspections and repairs
Normal
Grace
Section 30
Contravention
AEL Limit
U1 MW

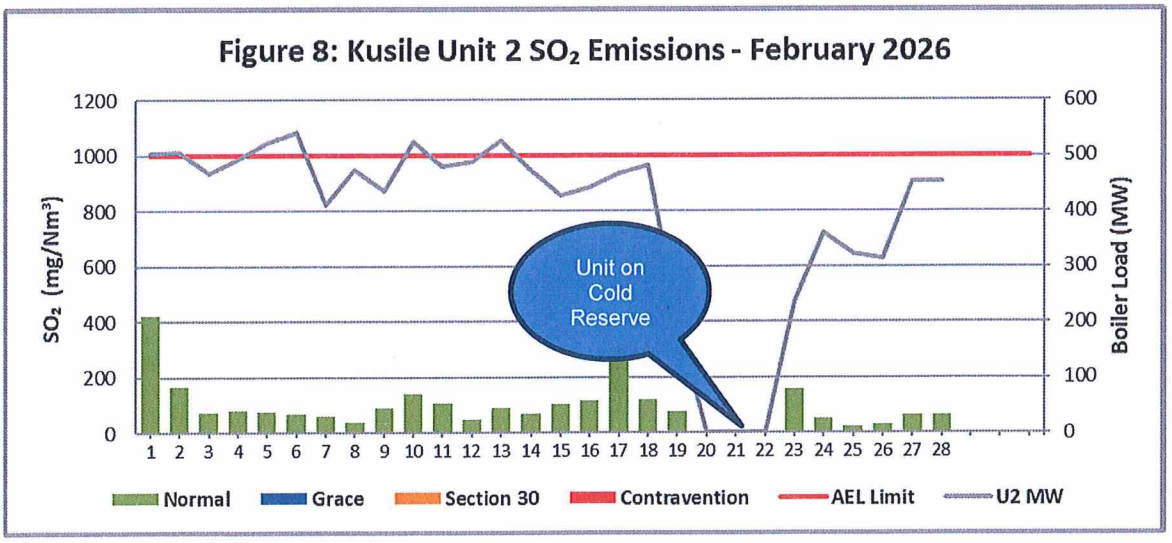


Figure 8: Kusile Unit 2 SO₂ Emissions - February 2026
SO₂ (mg/Nm³)
Boiler Load (MW)
Unit on Cold Reserve
Normal
Grace
Section 30
Contravention
AEL Limit
U2 MW

Figure 9: Kusile Unit 3 SO_2 Emissions - February 2026

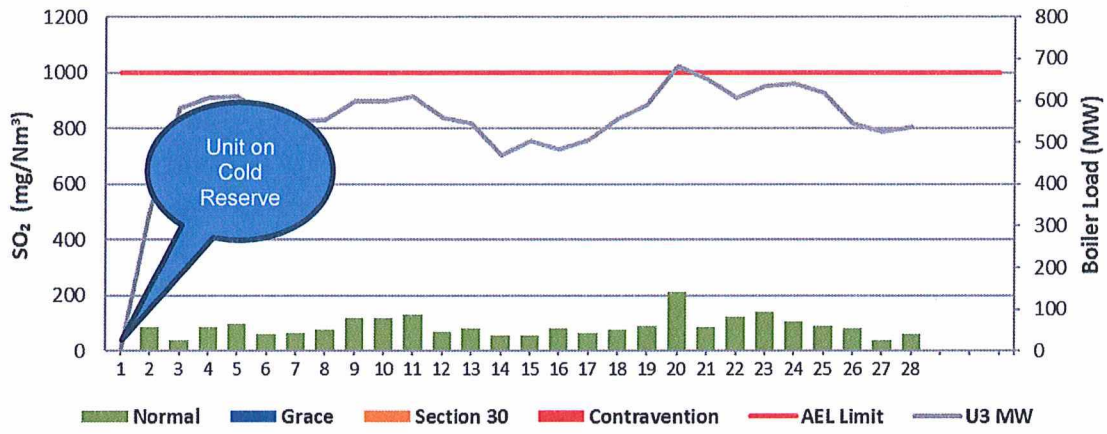


Figure 10: Kusile Unit 4 SO_2 Emissions - February 2026

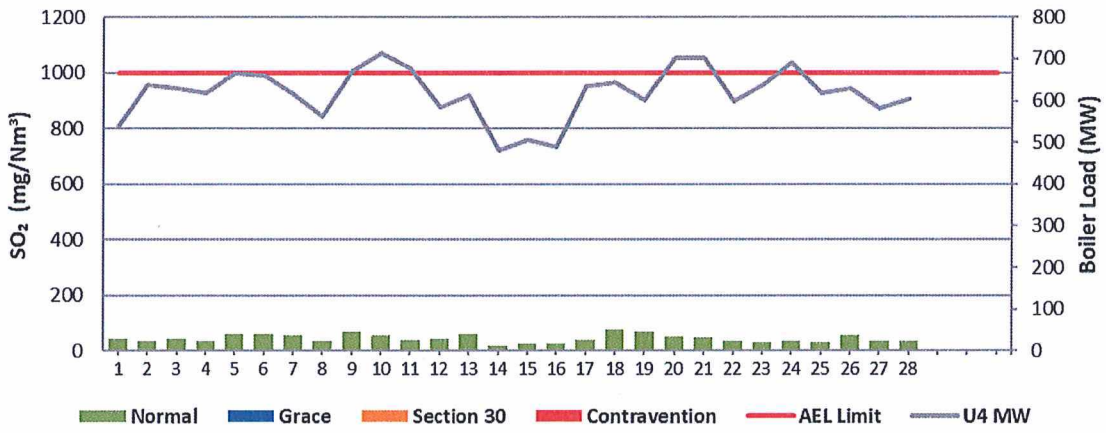


Figure 11: Kusile Unit 5 SO_2 Emissions - February 2026

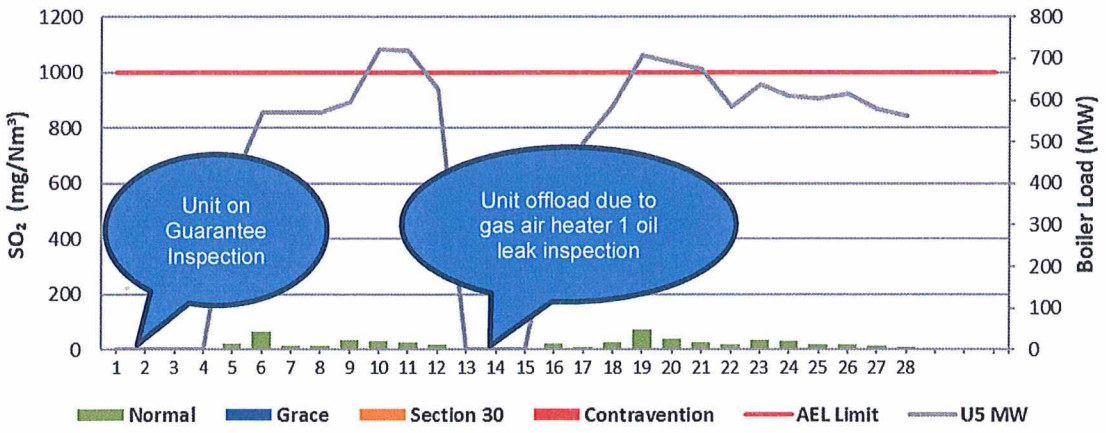


Figure 12: Kusile Unit 6 SO_2 Emissions - February 2026

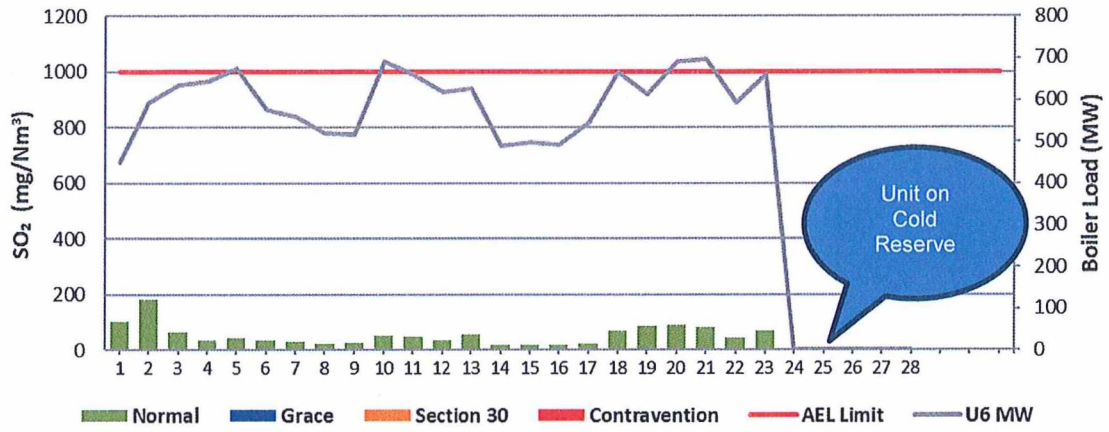


Figure 13: Kusile Unit 1 NO_x Emissions - February 2026

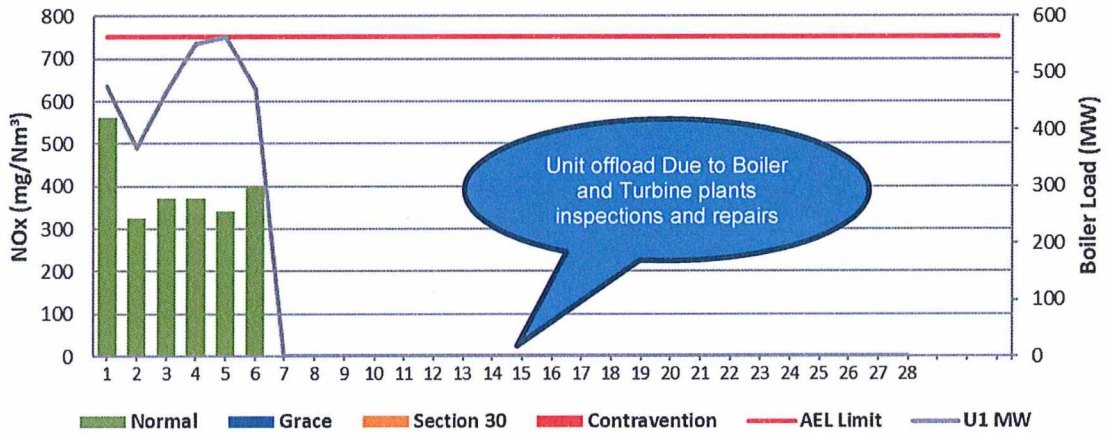


Figure 14: Kusile Unit 2 NO_x Emissions - February 2026

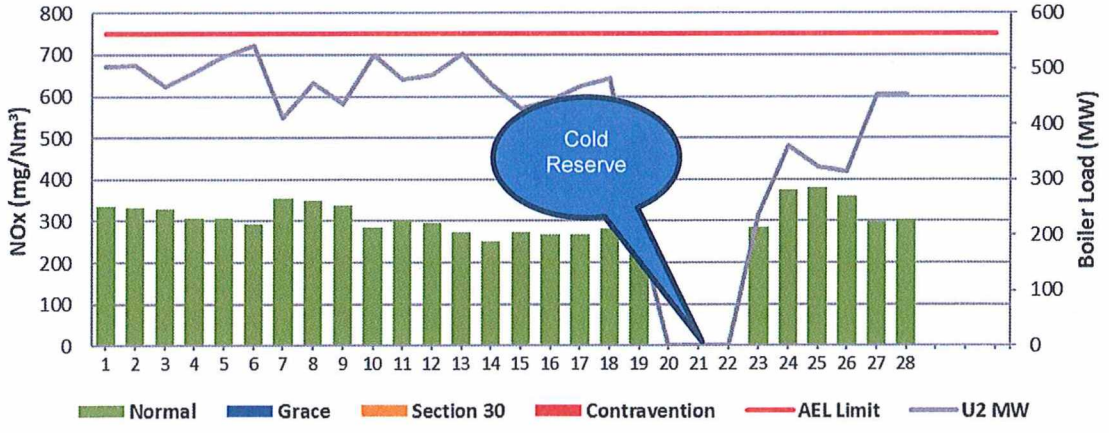


Figure 15: Kusile Unit 3 NO_x Emissions - February 2026

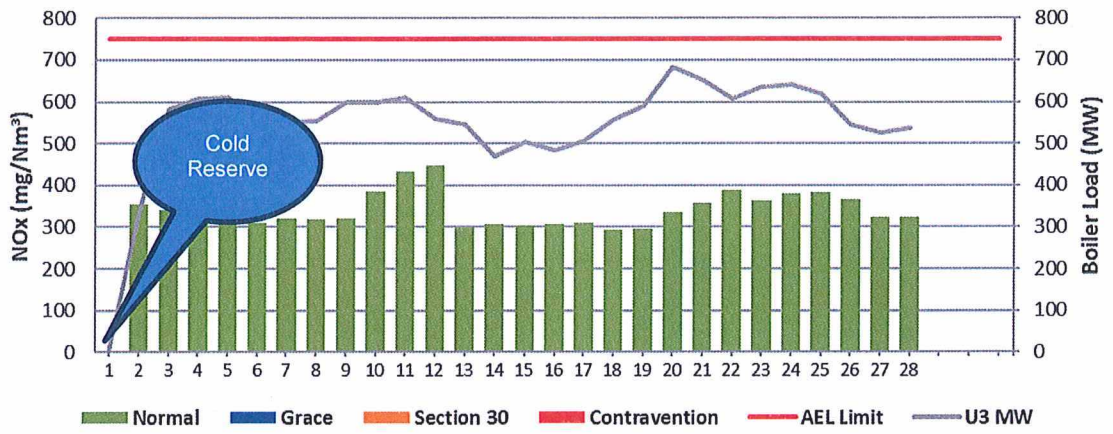


Figure 16: Kusile Unit 4 NO_x Emissions - February 2026

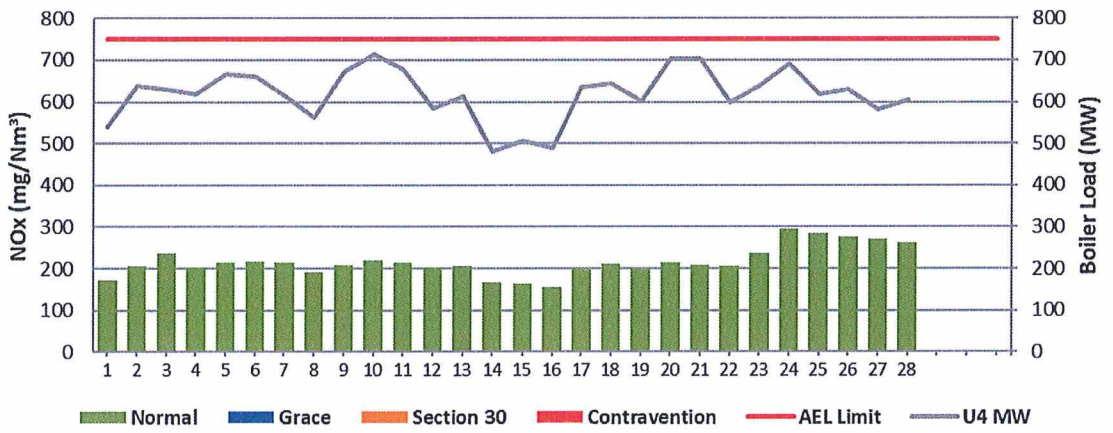
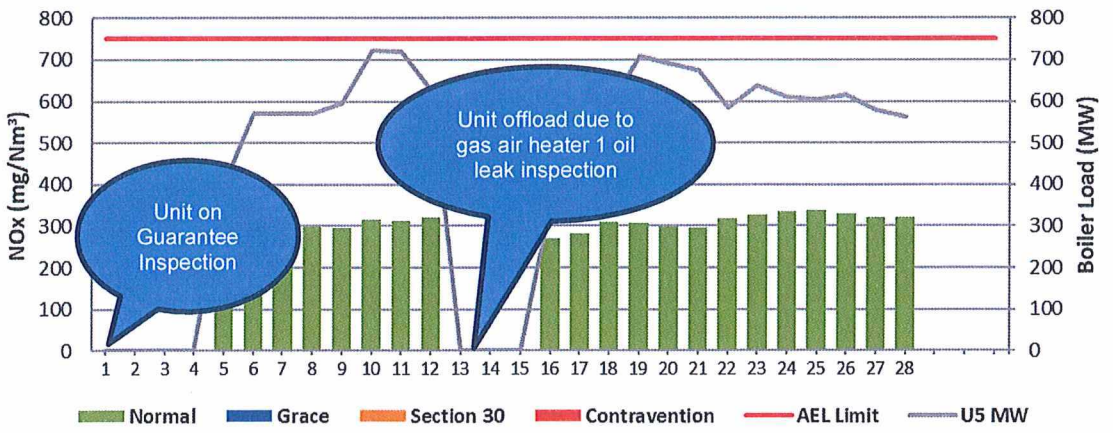
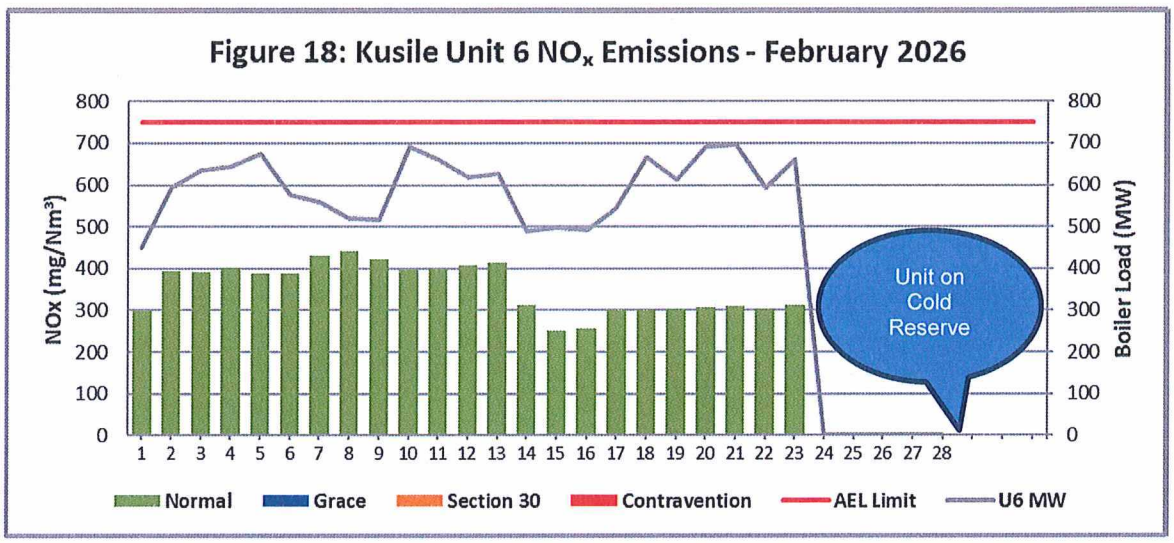


Figure 17: Kusile Unit 5 NO_x Emissions - February 2026





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		Event 2	
Unit 1	Breaker Open (BO)	3:05 pm	2026/02/01	2:40 am	2026/02/06
	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
	BO to DG SD (duration)	n/a	DD:HH:MM	n/a	DD:HH:MM
	Fires in time				
	Synch. to Grid (or BC)	3:15 am	2026/02/03		
	Fires in to BC (duration)		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

Event Description		Event 1		Event 2		Event 3	
Unit 2	Breaker Open (BO)	8:05 pm	2026/02/07	9:50 am	2026/02/19	4:15 pm	2026/02/26
	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	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 3	Breaker Open (BO)	4:25 pm	2026/01/29
	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

Event Description		Event 1	
Unit 5	Breaker Open (BO)	9:30 pm	2026/02/12
	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

Event Description		Event 1	
Unit 6	Breaker Open (BO)	11:30 pm	2026/02/23
	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 February 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 February 2026.				