Eskom

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Total number of pages: 13

Total number of Annexes:0

DUVHA POWER STATION

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

GENERAL MANAGER

2026/05/29
DATE

Eskom

APRIL 2026

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 Apr-2026
	Coal	Tons	*1 400 000*	*422 500.22*
	Fuel Oil	Tons	*5 000*	*4400.83*
Production Rates	**Product / By-Product Name**	**Units**	**Max Production Capacity Permitted**	**Indicative Production Rate Apr-2026**
	Energy	GWh	*2 160.000*	*745.64*
	Ash	Tons	*562 464*	*108 920.56*

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*	*25.78*

3 EMISSION LIMITS (mg/Nm³)

	Daily Limit		
Associated Unit/Stack	**PM**	**SO_2**	**NO_x**
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	SO_3 Plant Utilization
Unit 1	*FFP*	*99.946%*	*FFP*	*n/a*
Unit 2	*FFP*	*99.881%*	*FFP*	*n/a*
Unit 4	*ESP + SO_3*	*99.674%*	*SO_3*	*98.4%*
Unit 5	*ESP + SO_3*	*99.869%*	*SO_3*	*100.0%*
Unit 6	*ESP + SO_3*	*99.830%*	*SO_3*	*99.6%*

Note: The ESP 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
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	*100 0*	*99 6*	*99 8*	*99.1*
Unit 4	*100 0*	*99.5*	*99 7*	*100 0*
Unit 5	*100 0*	*99 5*	*99 8*	*100 0*
Unit 6	*100 0*	*99 8*	*99 8*	*100 0*

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

6 EMISSION PERFORMANCE

Table 6 1 Monthly tonnages for April 2026

Associated Unit/Stack	PM (tons)	SO_2 (tons)	NO_x (tons)
Unit 1	Unit Offload	Unit Offload	Unit Offload
Unit 2	26 8	2 251	818
Unit 4	78 1	2 070	706
Unit 5	28 0	1 711	536
Unit 6	36 1	2 573	878
SUM	169 04	8 605	2 938

Table 6.2: PM AEL Daily - April 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^3)
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	21	0	0	0	0	19 1
Unit 4	25	1	0	0	1	63 2
Unit 5	22	2	0	0	2	28 5
Unit 6	23	0	0	0	0	27 5
SUM	**91**	**3**	**0**	**0**	**3**	

Table 6.3: SO_2 AEL Daily - April 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/Nm³)
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	23	0	0	0	0	1 536.8
Unit 4	27	0	0	0	0	1 637.9
Unit 5	24	0	0	0	0	1 694.5
Unit 6	24	0	0	0	0	1 860.9
SUM	**98**	**0**	**0**	**0**	**0**	

Table 6.4: NO_x AEL Daily - April 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/Nm³)
Unit 1	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload	Unit Offload
Unit 2	23	0	0	0	0	543.5
Unit 4	27	0	0	0	0	556.7
Unit 5	24	0	0	0	0	526.1
Unit 6	24	0	0	0	0	628.5
SUM	**98**	**0**	**0**	**0**	**0**	

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 - April 2026

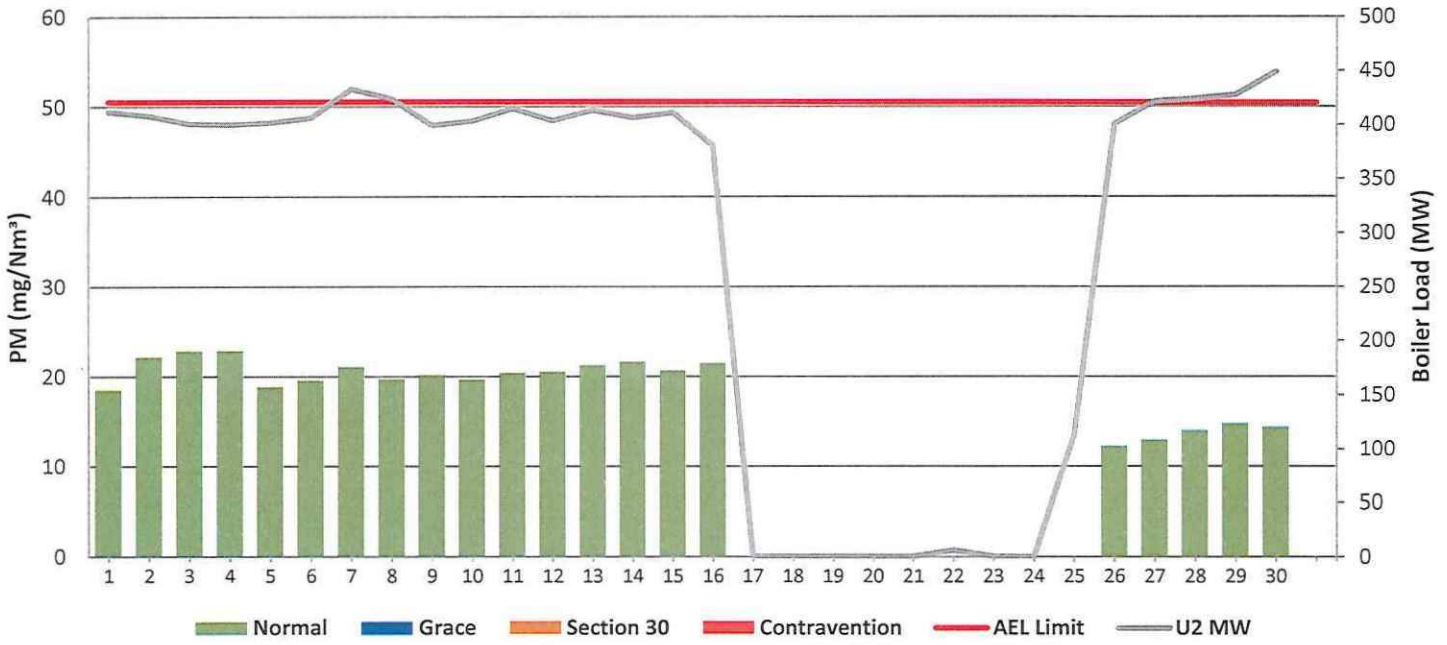


Figure 2: Duvha Unit 4 PM Emissions - April 2026

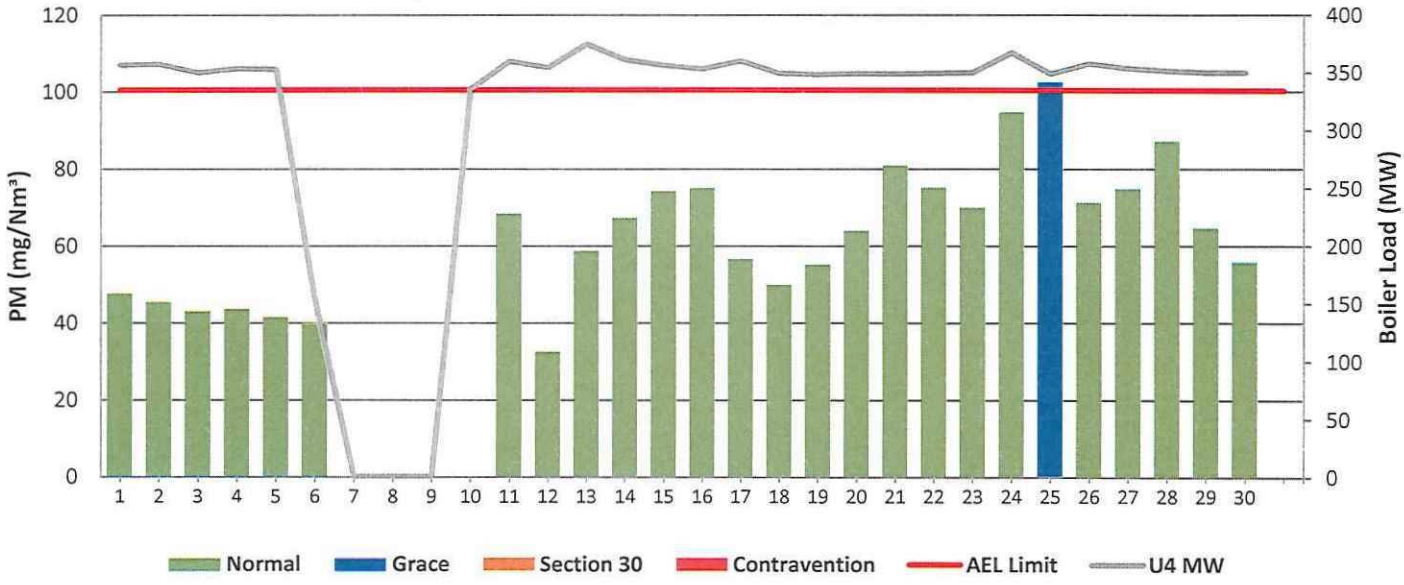


Figure 3: Duvha Unit 5 PM Emissions - April 2026

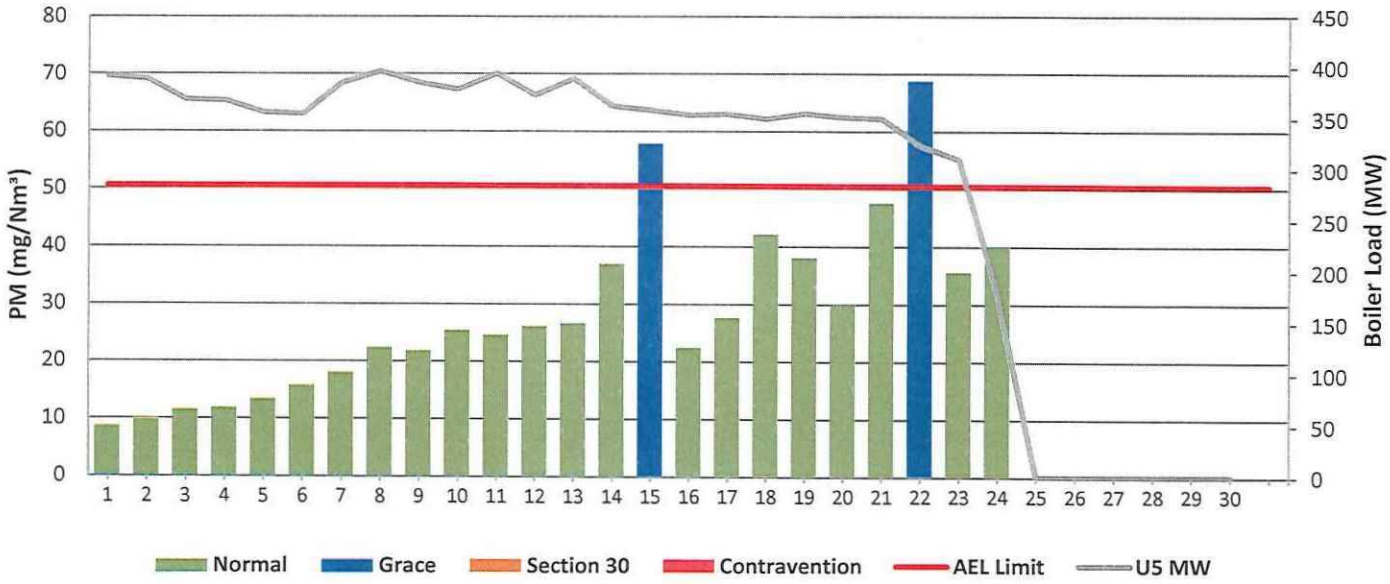


Figure 4: Duvha Unit 6 PM Emissions - April 2026

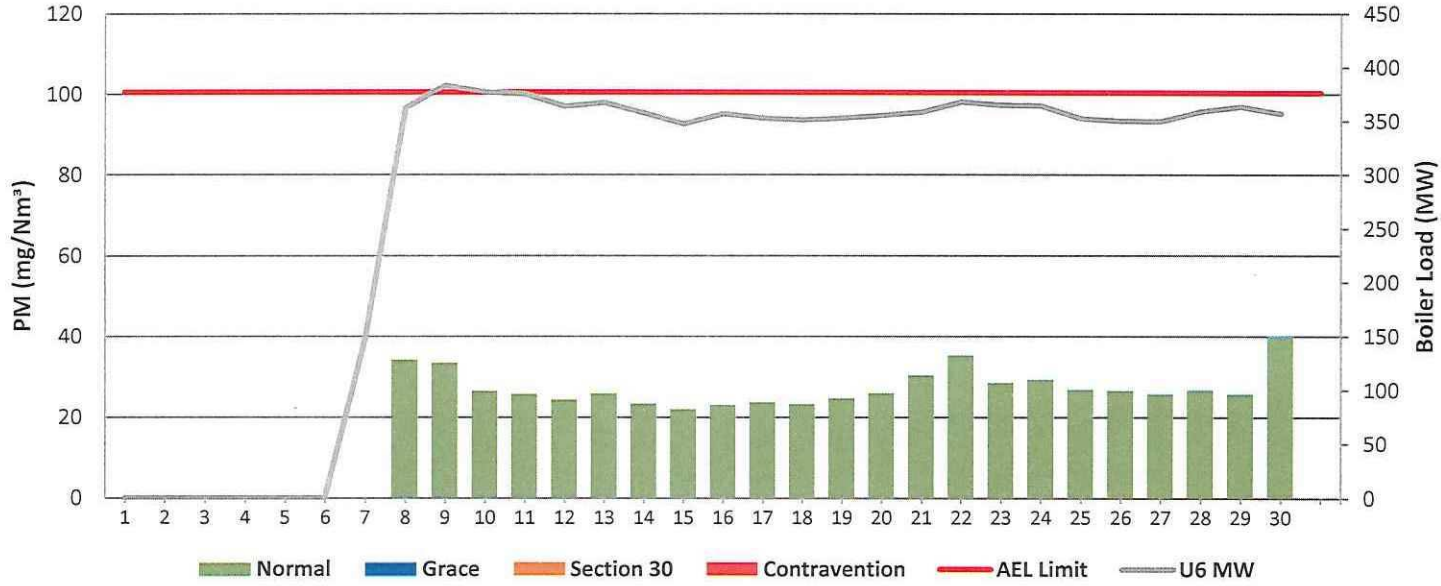


Figure 5: Duvha Unit 2 SO_2 Emissions - April 2026

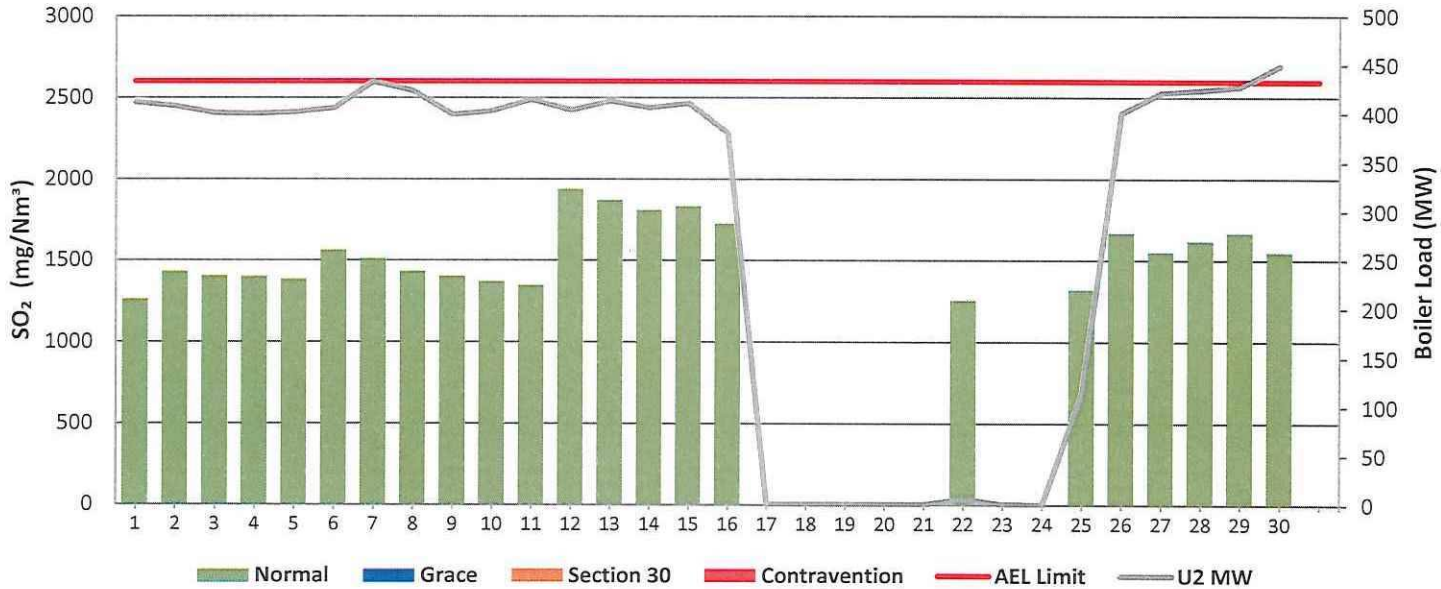


Figure 6: Duvha Unit 4 SO_2 Emissions - April 2026

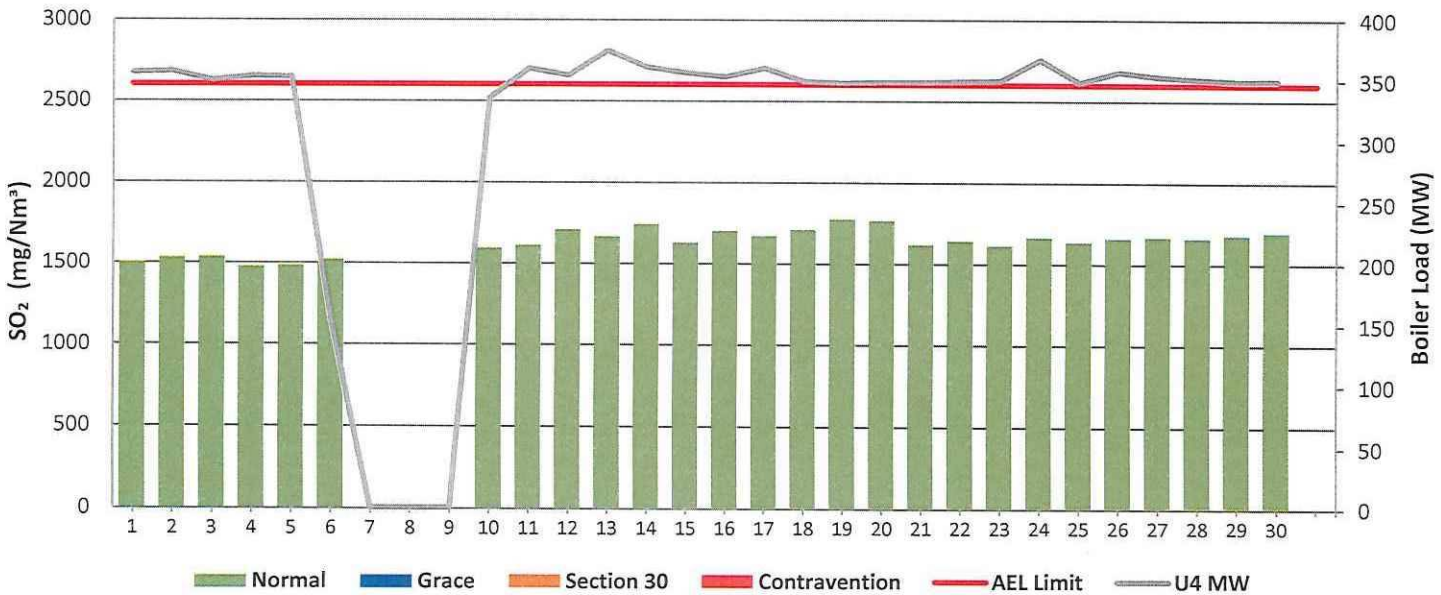


Figure 7: Duvha Unit 5 SO_2 Emissions - April 2026

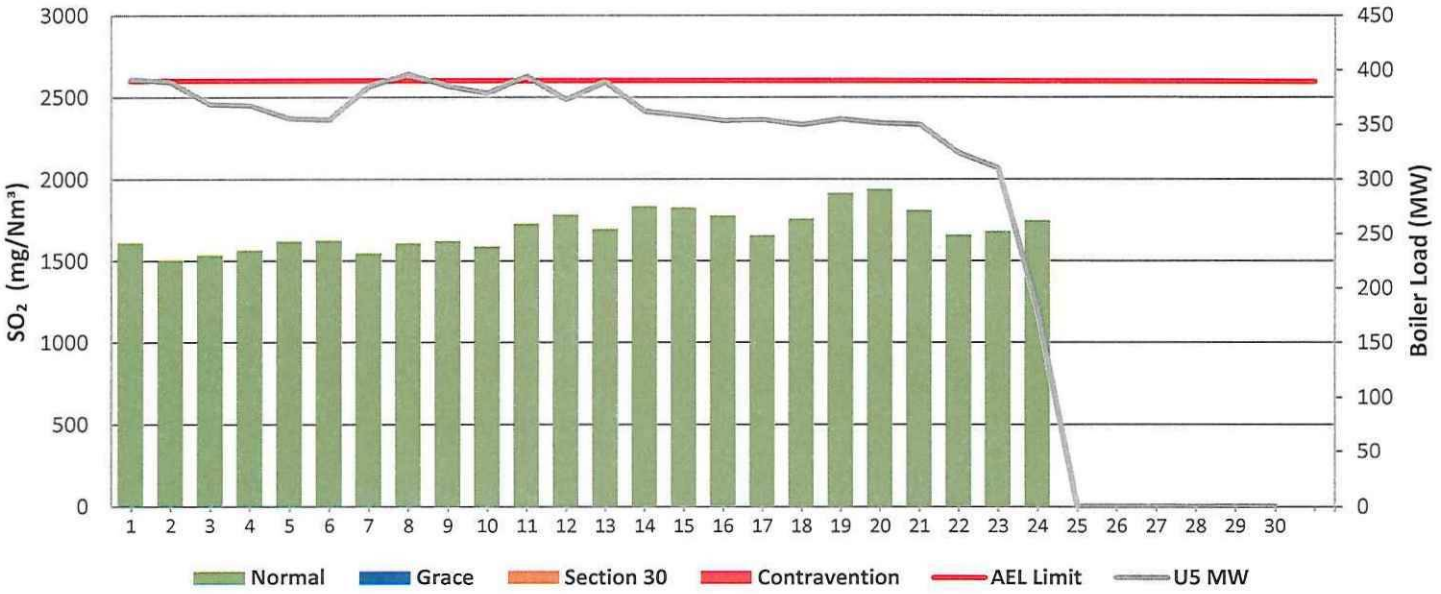


Figure 8: Duvha Unit 6 SO_2 Emissions - April 2026

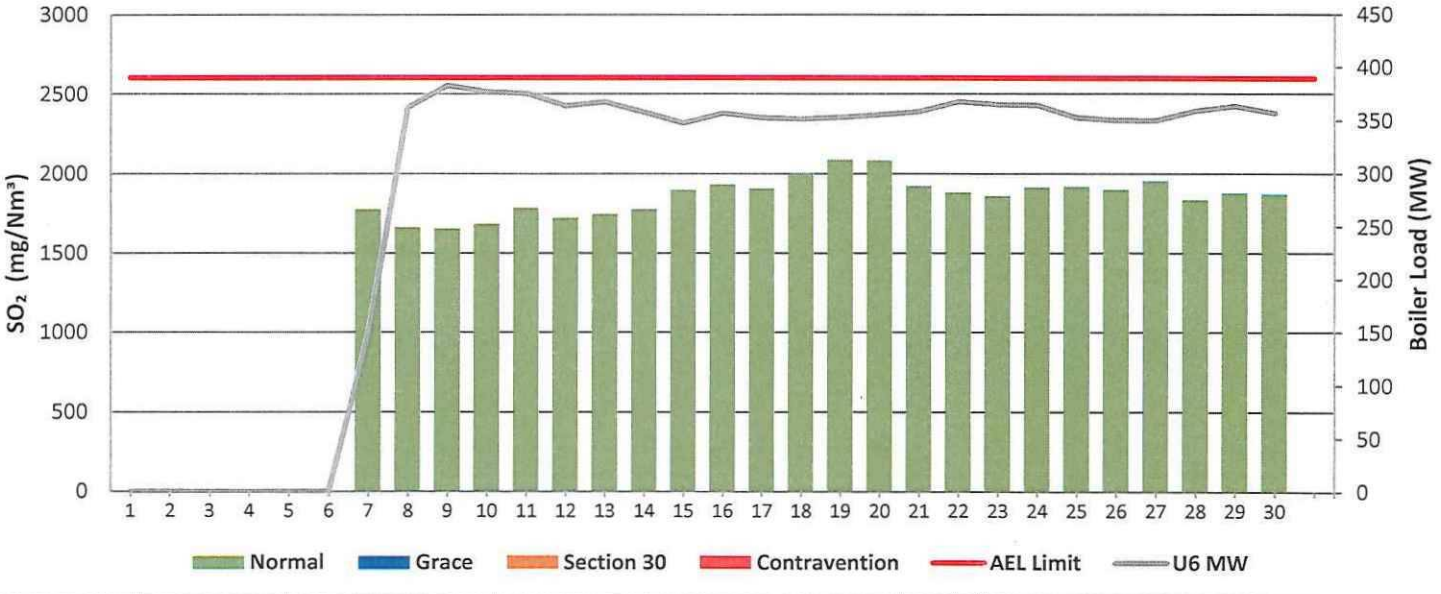


Figure 9: Duvha Unit 2 NO_x Emissions - April 2026

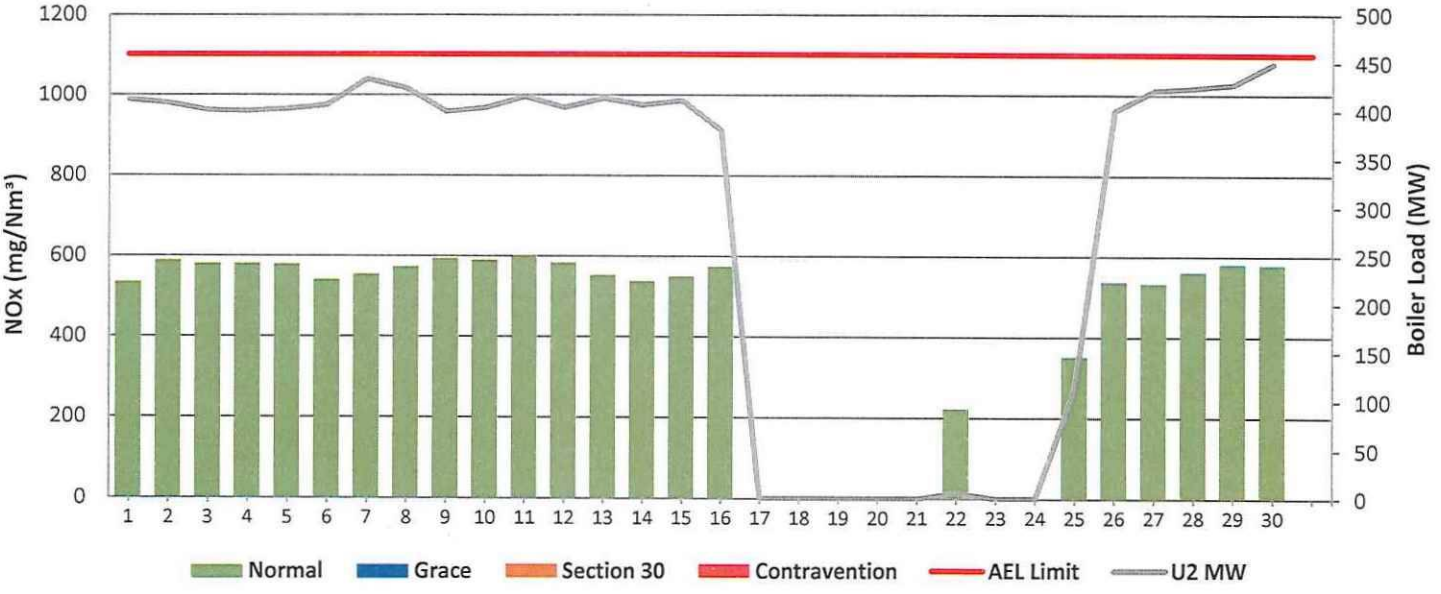


Figure 10: Duvha Unit 4 NO_x Emissions - April 2026

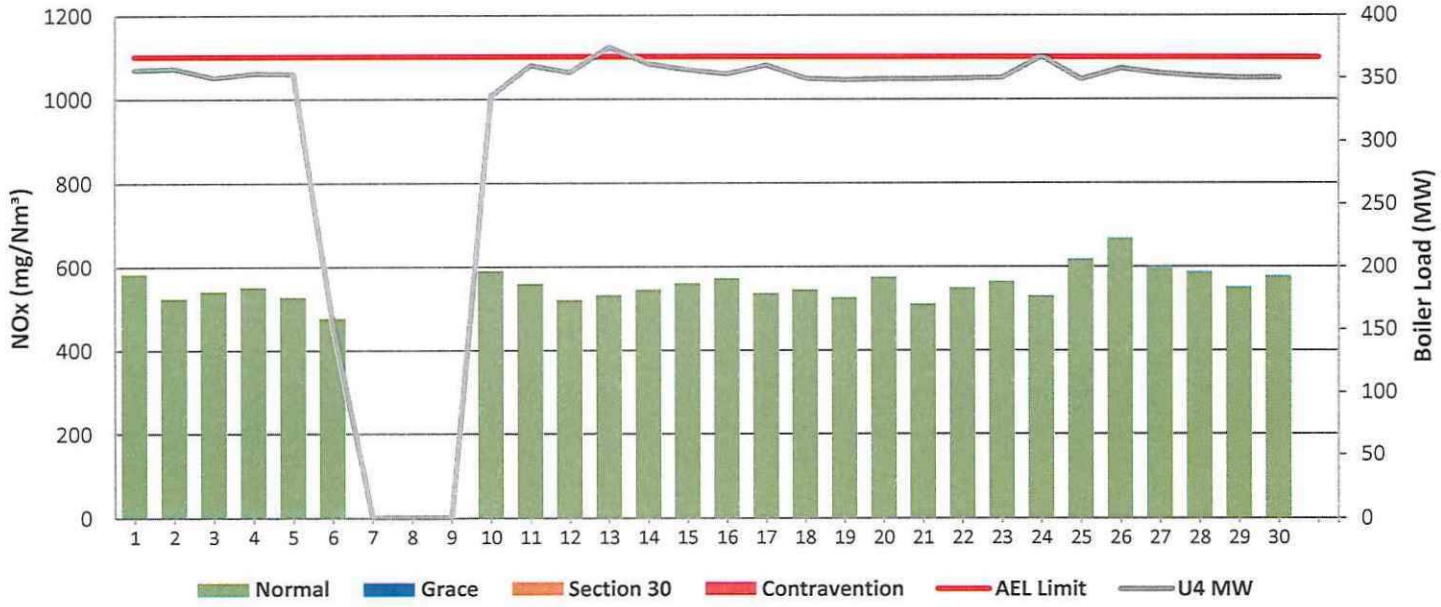


Figure 11: Duvha Unit 5 NO_x Emissions - April 2026

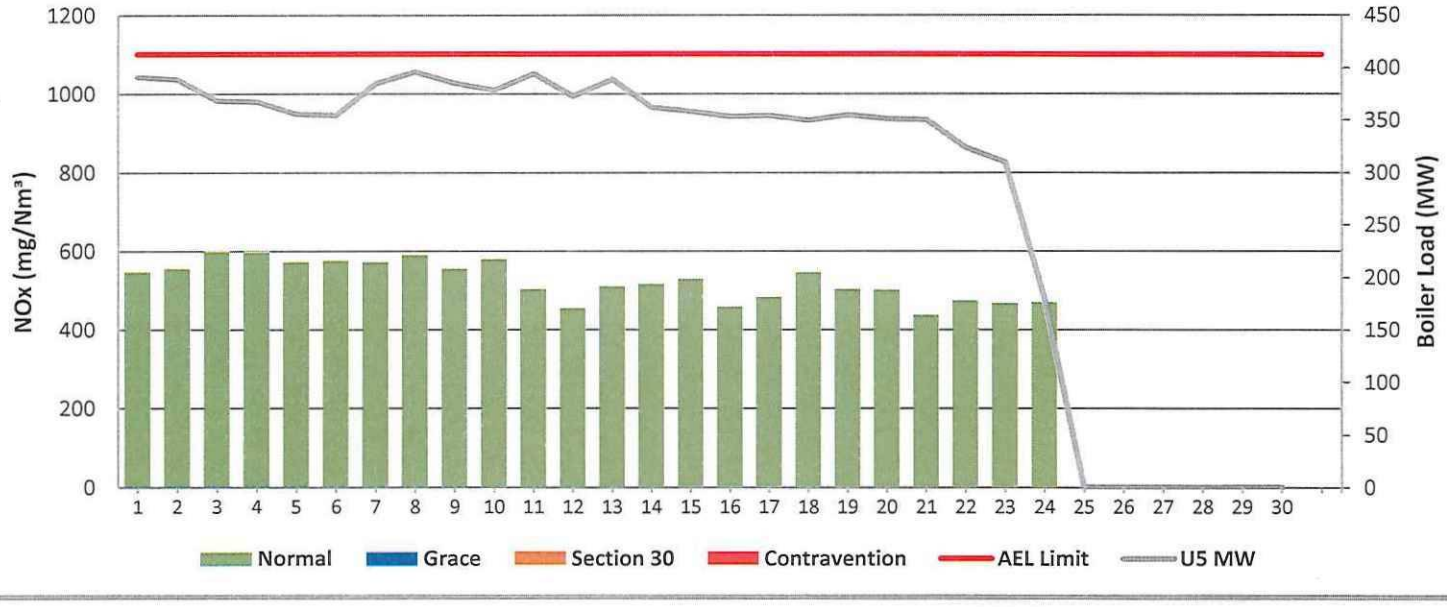
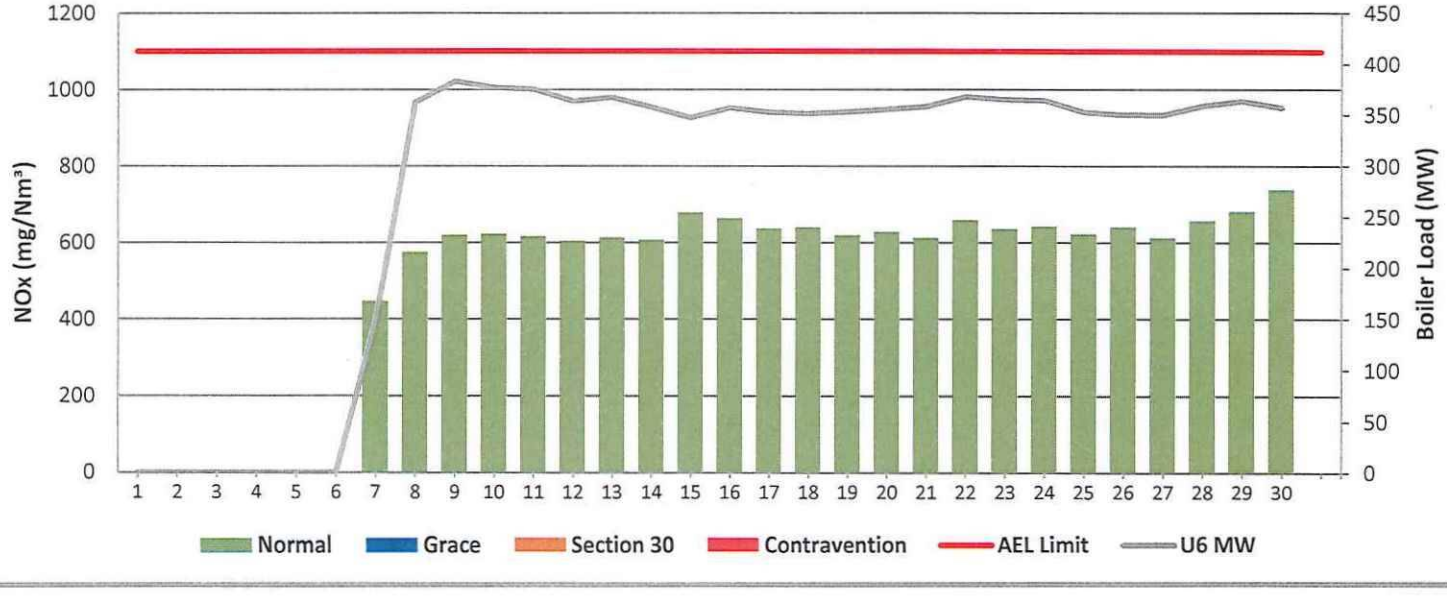


Figure 12: Duvha Unit 6 NO_x Emissions - April 2026



7 Shut-down and light-up information for APRIL 2026

	Event Description	Event 1	
Unit 2	Breaker Open (BO)	10:30 pm	2026/04/16
	Draught Group (DG) Shut Down (SD)	2:15 am	2026/04/17
	BO to DG SD (duration)	00:03:45	DD:HH:MM
	Fires in time	11:15 am	2026/04/25
	Synch. to Grid (or BC)	3:25 pm	2026/04/25
	Fires in to BC (duration)	00:04:10	DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2026/04/27
	Emissions below limit from BC (duration)	01:08:35	DD:HH:MM

	Event Description	Event 1	
Unit 4	Breaker Open (BO)	10:45 am	2026/04/06
	Draught Group (DG) Shut Down (SD)	1:15 pm	2026/04/06
	BO to DG SD (duration)	00:02:30	DD:HH:MM
	Fires in time	9:00 pm	2026/04/09
	Synch. to Grid (or BC)	2:05 am	2026/04/10
	Fires in to BC (duration)	00:05:05	DD:HH:MM
	Emissions below limit from BC (end date)	2:00 am	2026/04/11
	Emissions below limit from BC (duration)	00:23:55	DD:HH:MM

	Event Description	Event 1	
Unit 5	Breaker Open (BO)	1:55 pm	2026/04/24
	Draught Group (DG) Shut Down (SD)	12:35 am	2026/04/25
	BO to DG SD (duration)	00:10:40	DD:HH:MM
	Fires in time	8:05 am	2026/04/25
	Synch. to Grid (or BC)		
	Fires in to BC (duration)		DD:HH:MM
	Emissions below limit from BC (end date)	not > limit	not > limit
	Emissions below limit from BC (duration)		DD:HH:MM

	Event Description	Event 1		Event 2	
Unit 6	Breaker Open (BO)	BO previously	BO previously	9:20 pm	2026/03/31
	Draught Group (DG) Shut Down (SD)	n/a	n/a	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	2:10 pm	2026/04/07		
	Synch. to Grid (or BC)	8:05 pm	2026/04/07		
	Fires in to BC (duration)	00:05:55	DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2026/04/09		
	Emissions below limit from BC (duration)	01:03:55	DD:HH:MM		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

Exceedances

Particulate Matter

Unit4

25/04/2026

The Dust hopper right hand row number 1 was blocked due to water ingress on the precip field roof from rain This also caused the precips number 1 to be arching and sparking and needing to be switched off

Unit 5

15/04/2026

Dust hoppers number 14 & 18 were blocked due to ineffective air soot blowing This ineffective soot blowing also caused high back-end temperatures that led to precip fields 2 4 and 4 4 having sparks and thus switched off

22/04/2026

Dust hopper left hand row 1&3 and right hand 2&13 were blocked due to water ingress into the precip roofs from rain This caused all the precip fields to be arching and sparking and thus switched off

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

10 S30 Incidents Register

There were no section 30 incidents

Boiler Plant Engineering Manager	22/05/2026. Date	pp Environmental Manager	29/05/2026. Date
Engineering Manager	2026-05-28 Date		

Compiled by	Environmental Officer	
For	Nkangala District Municipality	Air Quality Officer
Copies	Generation Environmental Management	D Herbst B Mccourt
	Generation Compliance Management	R Rampiar
	Generation Asset Management	E Patel
	Duvha Power Station	Engineering Manager Operating Manager Maintenance Manager Production Manager Boiler Engineering Manager System Engineer Environmental Manager