Eskom

Mr. Mcebo Mkhatshwa
Air Quality Officer
Fezile Dabi District Municipality
P.O Box 10
Sasolburg
1947

Date: 18 March 2026

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LRP01PLA000 _0475/2025/08/14

Dear Mr. Mkhatshwa

LETHABO POWER STATION EMISSION MONTHLY REPORT FOR JULY 2025

Please find attached Lethabo Power Station emission report for the month of July 2025.

Also attached are the Ambient Air Quality Monitoring Report, Complaints Register and the Fugitive Dust Fallout Monitoring Report for July 2025.

For any additional information please do not hesitate to contact us.

Yours sincerely

pp **Karabo Rakgolela**
GENERAL MANAGER

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Report name:	**Lethabo Power Station JULY 2025 Emission Report**	Reference number:	**LRP01PLA000 _0475/2025/08/14**
		Document Type:	**Report**
		Area of Applicability:	**Environment**
		Report Date:	**August-2025**
		Classification:	**Controlled Disclosure**

Signatures:

Compiled by:
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Boiler Engineer
Date: 18/03/2026

Verified by :
S Xulu
Environmental Officer
Date: 2026/03/18

Reviewed by:
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BPE Manager
Date: 2026/03/20

Reviewed by:
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PE Manager
Date: 2026/03/23

Reviewed by:
L Nel
C&I Manager
Date: 2026-03-23

Reviewed by:
M Hariram
Environmental Manager
Date: 2026/03/24

Approved by:
pp
H Sewsunker
Techincal Manager
Date: 2026-03-31

Reviewed by:
T. Njapha
Engineering Manager
Date: 2026-03-27

LETHABO POWER STATION MONTHLY EMISSIONS REPORT

Atmospheric Emission License: FDDM-MET-2011-08-P1

1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Jul-2025
	Coal	Tons	*2 000 000*	*1 069 224*
	Fuel Oil	Tons	*1 700*	*1583.840*
Production Rates	**Product / By-Product Name**	**Units**	**Max Production Capacity Permitted**	**Indicative Production Rate Jul-2025**
	Energy	GWh	*2 834.640*	*1 490.993*
	Ash	Tons	*770 000*	*400 317.544*
	RE Ash	kg/MWh	*not specified*	*0.608*

Note: Max energy rate = AEL capacity [3,810 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 TO >2.6*	*0.700*
Ash Content	%	*21 TO <46*	*37.440*

Note: The "standard" is not a fixed limit but an optimal guideline. It may vary with coal quality. The stipulated range reflects station acceptance test values.

3 EMISSION LIMITS (mg/Nm³)

	Daily Limit		
Associated Unit/Stack	PM	SO_2	NO_x
Unit 1	*100*	*2600*	*1100*
Unit 2	*100*	*2600*	*1100*
Unit 3	*100*	*2600*	*1100*
Unit 4	*100*	*2600*	*1100*
Unit 5	*100*	*2600*	*1100*
Unit 6	*50*	*2600*	*1100*

4 ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	ESP Efficiency	Technology Type	SO_3 Plant Utlization
Unit 1	*ESP + SO_3*	*99.849%*	*SO_3*	*99.9%*
Unit 2	*ESP + SO_3*	*Off-line*	*SO_3*	*Off-line*
Unit 3	*ESP + SO_3*	*99.831%*	*SO_3*	*99.1%*
Unit 4	*ESP + SO_3*	*99.799%*	*SO_3*	*100.0%*
Unit 5	*ESP + SO_3*	*99.459%*	*SO_3*	*98.8%*
Unit 6	*ESP + SO_3*	*99.963%*	*SO_3*	*66.7%*

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	*100.0*	*99.7*	*99.7*	*99.7*
Unit 2	*Off*	*Off*	*Off*	*Off*
Unit 3	*100.0*	*99.7*	*99.7*	*99.7*
Unit 4	*100.0*	*99.9*	*99.9*	*99.7*
Unit 5	*98.4*	*99.9*	*99.9*	*99.6*
Unit 6	*66.7*	*100.0*	*100.0*	*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 July 2025

Associated Unit/Stack	PM (tons)	SO_2 (tons)	NO_x (tons)
Unit 1	144.0	3 887	2 081
Unit 2	Off	Off	Off
Unit 3	151.6	4 754	2 102
Unit 4	176.1	4 733	2 184
Unit 5	431.7	4 941	1 575
Unit 6	2.9	454	223
SUM	906.30	18 769	8 165

Table 6.2: PM AEL Daily Compliance - July 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	29	2	0	0	2	65.4
Unit 2	Off	Off	Off	Off	Off	Off
Unit 3	30	1	0	0	1	65.2
Unit 4	24	7	0	0	7	87.0
Unit 5	24	7	0	0	7	180.6
Unit 6	2	1	0	0	1	163.2
SUM	**109**	**18**	**0**	**0**	**18**	

Table 6.3: SO_2 AEL Daily Compliance - July 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	31	0	0	0	0	1 773.5
Unit 2	Off	Off	Off	Off	Off	Off
Unit 3	31	0	0	0	0	1 997.8
Unit 4	31	0	0	0	0	2 081.0
Unit 5	31	0	0	0	0	2 069.1
Unit 6	5	0	0	0	0	1 891.0
SUM	**129**	**0**	**0**	**0**	**0**	

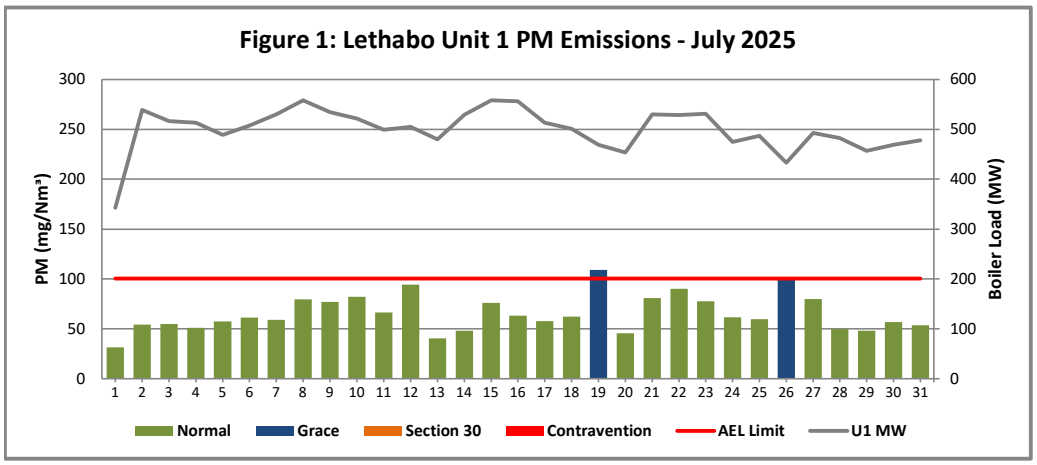
Table 6.4: NO_x AEL Daily Compliance - July 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	31	0	0	0	0	946.3
Unit 2	Off	Off	Off	Off	Off	Off
Unit 3	31	0	0	0	0	878.8
Unit 4	31	0	0	0	0	953.0
Unit 5	31	0	0	0	0	662.2
Unit 6	5	0	0	0	0	891.4
SUM	**129**	**0**	**0**	**0**	**0**	

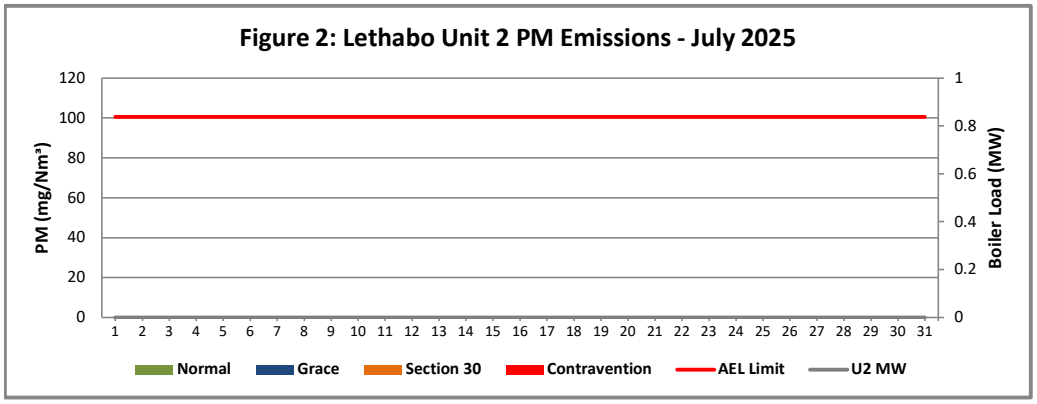
Note: Daily limit compliance is shown in the bar charts; monthly compliance is summarized in the table above.

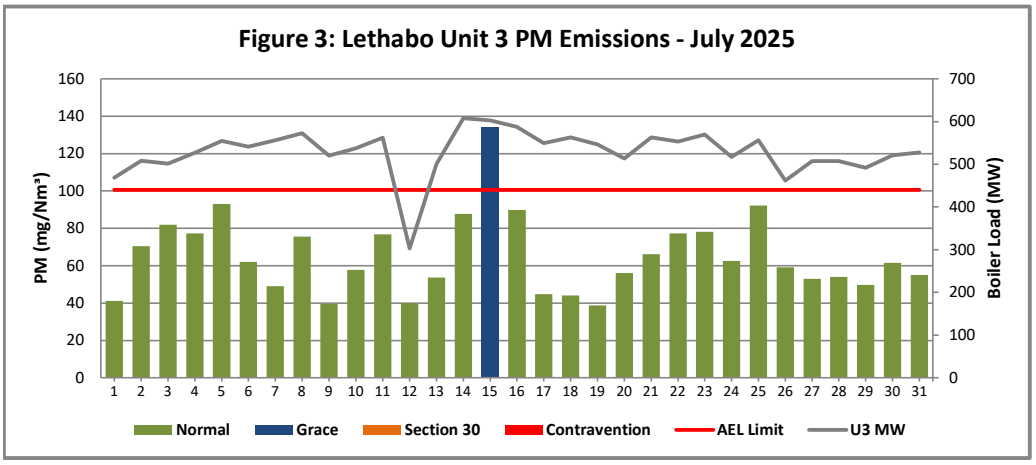
Table 6.5: Legend Description

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

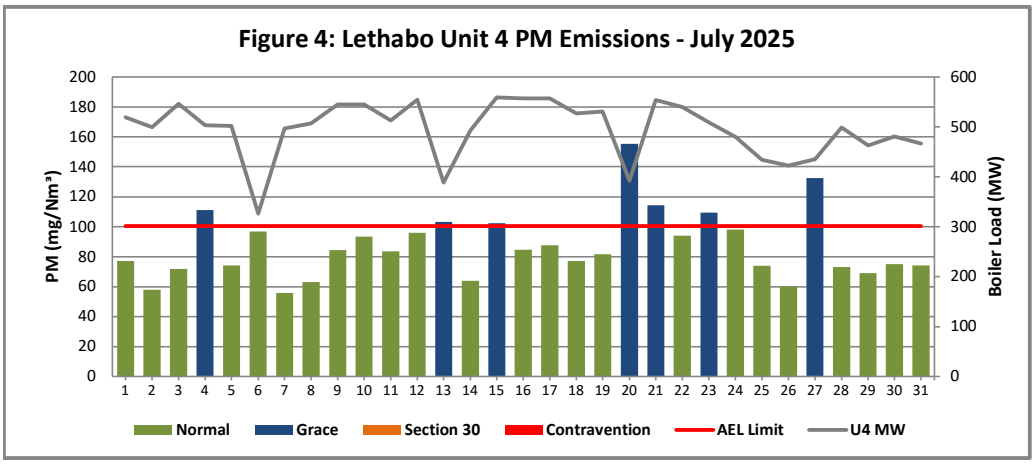


Reasons:	
Date	**Description**
19-Jul	Poor ESP casing performance.RHO casing outage.
26-Jul	Poor ESP casing performance.LHI casing outage.



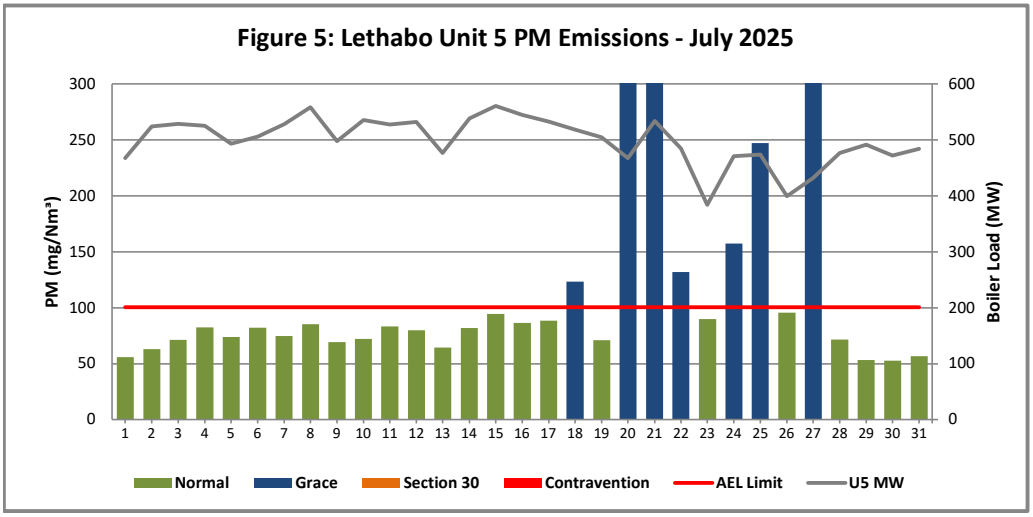


Reasons:	
Date	**Description**
15-Jul	Unit 3 correlation test (F1,2,3 - Off) in all casings.

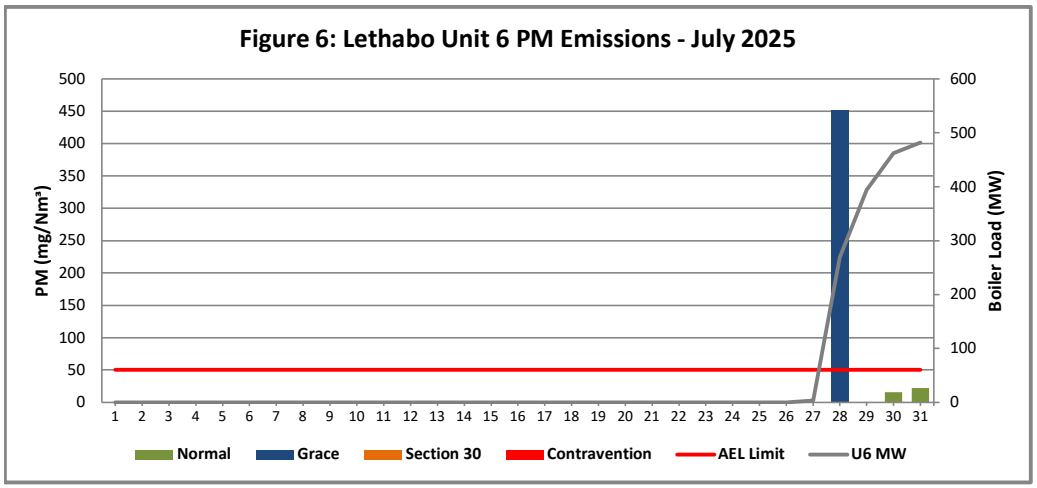


Reasons:	
Date	**Description**
04-Jul	ESP Casing poor performance.RHO ESP casing outage.
13-Jul	Unit 4 tripped with boiler on still on by-passHigh hopper levels.Poor ESP casing performance.
15-Jul	Poor ESP casing performance.Manual rapping done.
20-Jul	Unit 4 tripped and it was started up same day Poor ESP Casing performance.
21-Jul	Unit 4 lightup conditions.
23-Jul	Poor ESP casing performance.Clean rapping brought forward.High hopper levels.
27-Jul	Poor ESP casing performance.LHI casing outage.

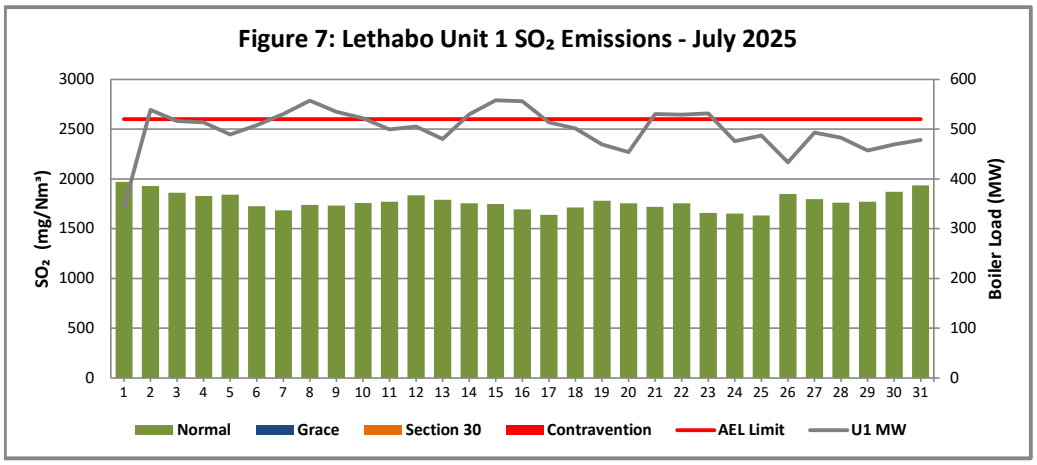
Figure 5: Lethabo Unit 5 PM Emissions - July 2025



Reasons:	
Date	**Description**
18-Jul	Poor ESP casing performance.SO3 plant issues.Manual rapping done.
20-Jul	Poor ESP casing performance.SO3 plant issues.
21-Jul	Poor ESP casing performance.Manual rapping done.
22-Jul	Poor ESP casing performance.Manual rapping done.
24-Jul	Poor ESP casing performance.LHO ESP casing on force cooling.
25-Jul	ESP casing performance.LHO ESP casing outage.
27-Jul	Poor ESP casing performance.RHI ESP casing performance.



Reasons:	
Date	Description
28-Jul	The unit synchronised on load on 2025/07/27 @ 23:26 the emissions needs to be below the limit on 2025/07/30@ 23:26 and remain below the limit until 2025/07/



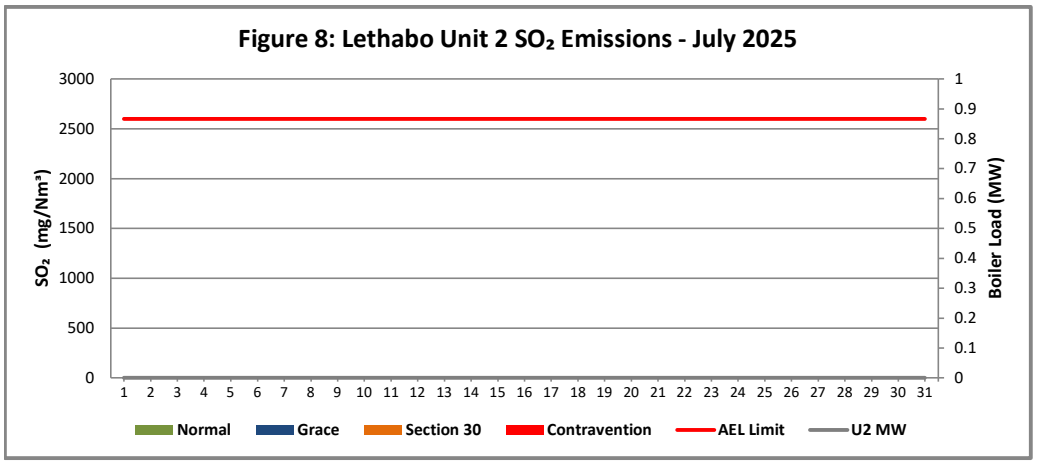


Figure 8: Lethabo Unit 2 SO₂ Emissions - July 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U2 MW

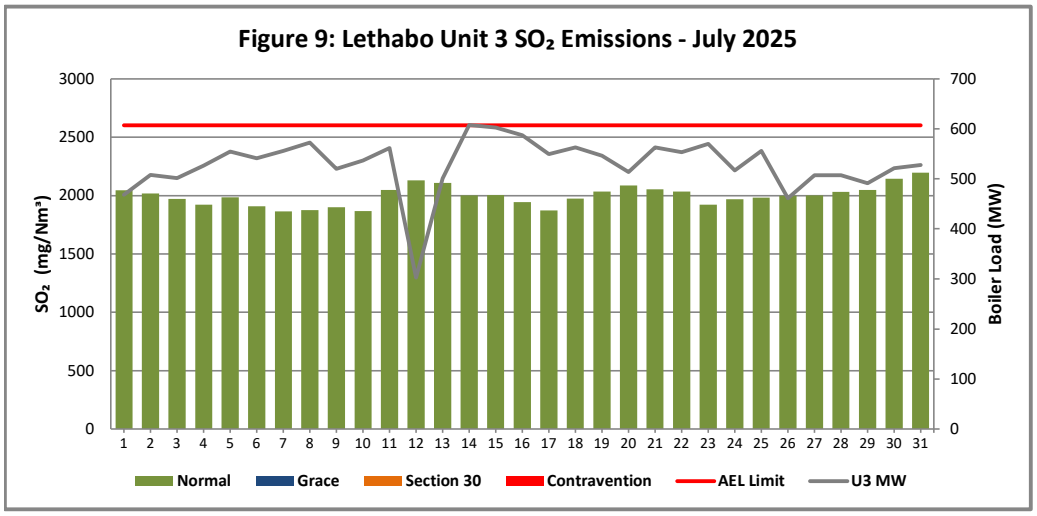


Figure 9: Lethabo Unit 3 SO₂ Emissions - July 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
700
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U3 MW

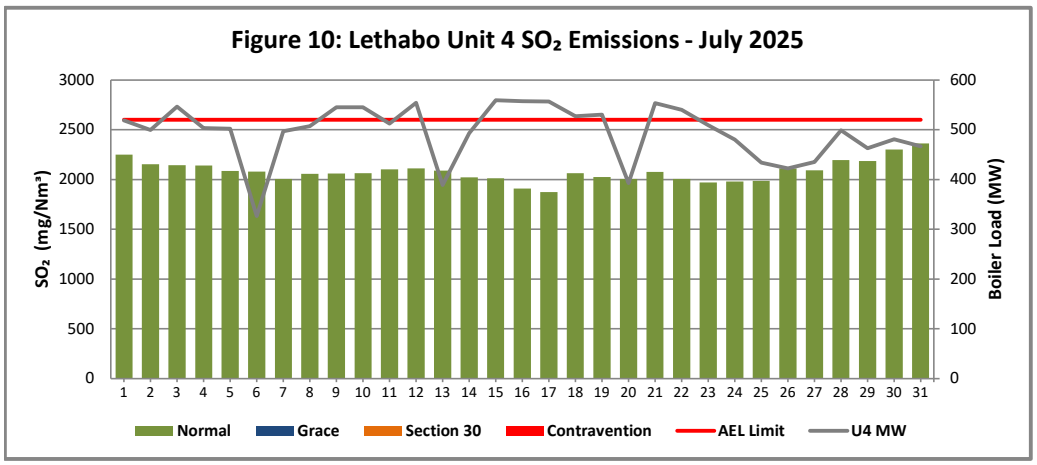


Figure 10: Lethabo Unit 4 SO₂ Emissions - July 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U4 MW

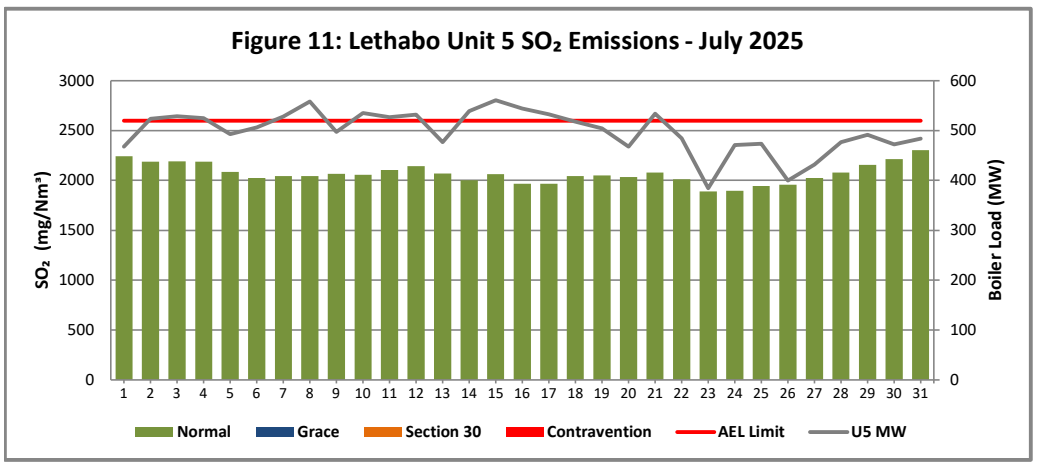


Figure 11: Lethabo Unit 5 SO₂ Emissions - July 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U5 MW

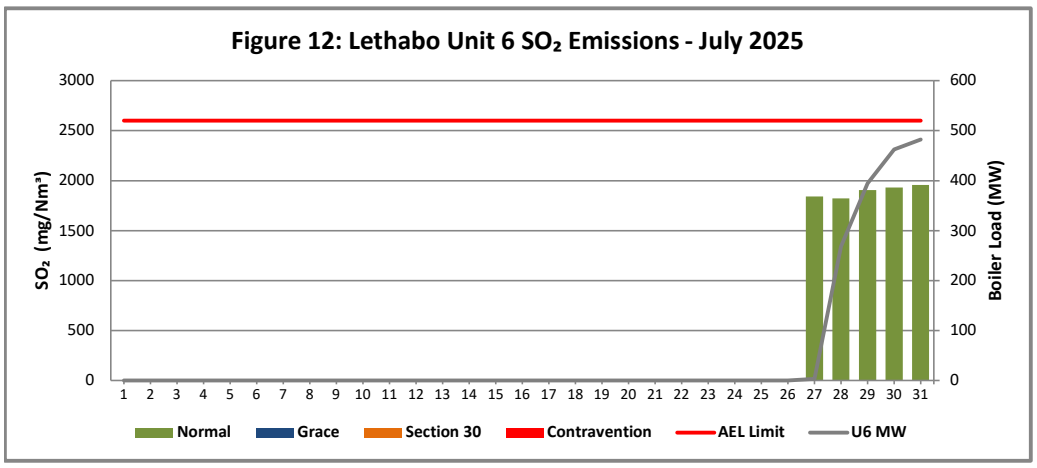


Figure 12: Lethabo Unit 6 SO₂ Emissions - July 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U6 MW

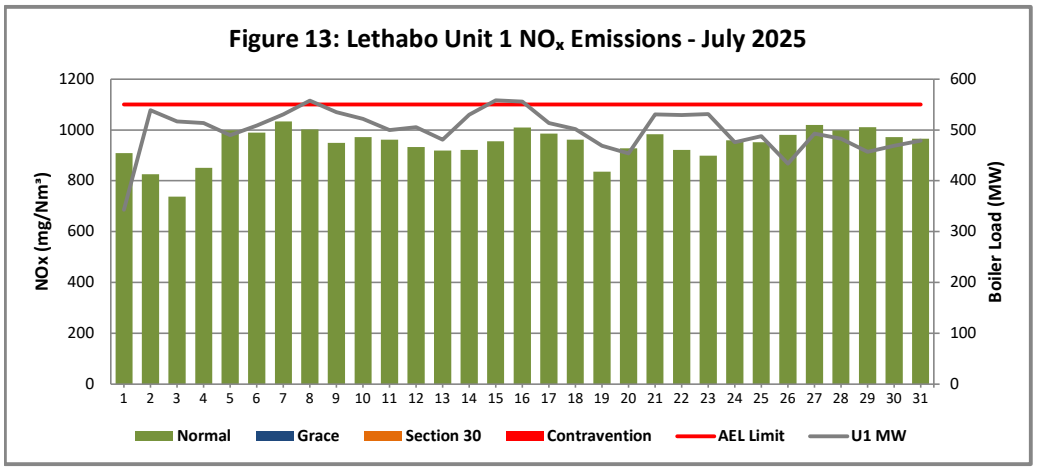


Figure 13: Lethabo Unit 1 NOx Emissions - July 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U1 MW

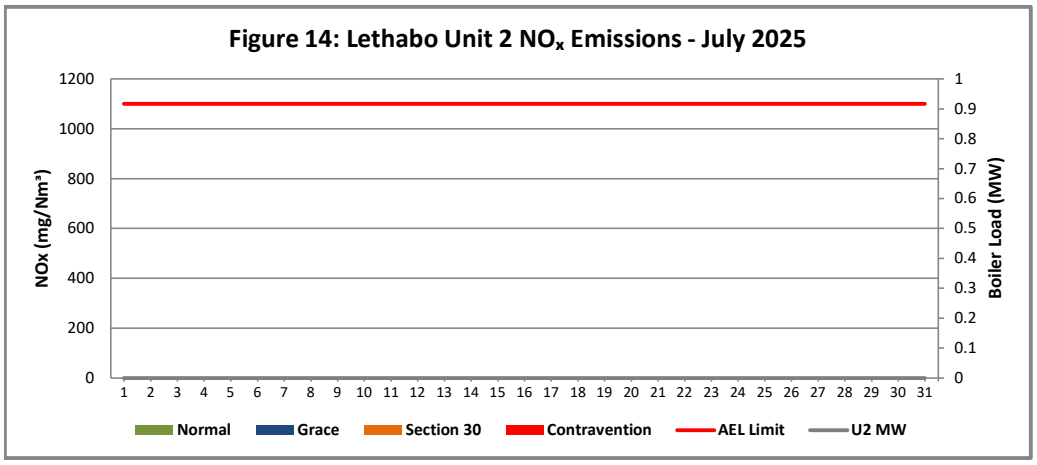


Figure 14: Lethabo Unit 2 NOx Emissions - July 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U2 MW

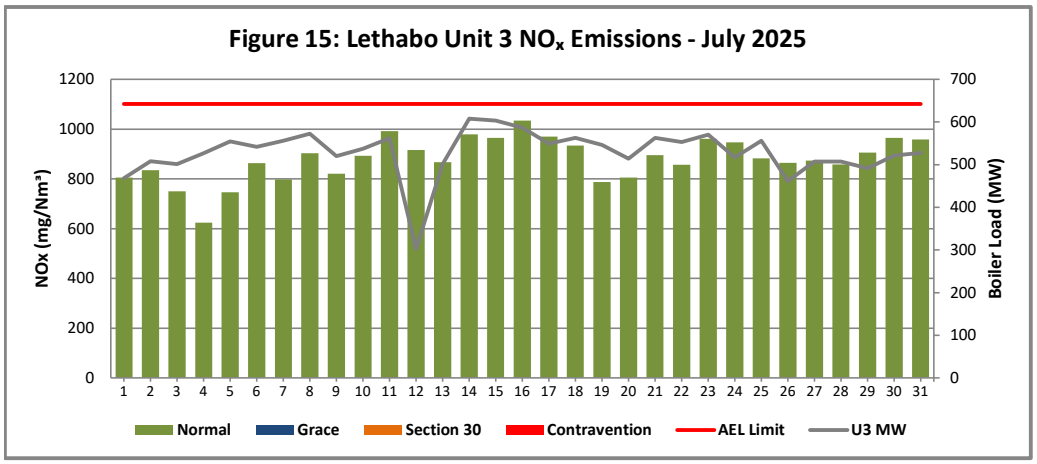


Figure 15: Lethabo Unit 3 NOx Emissions - July 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U3 MW

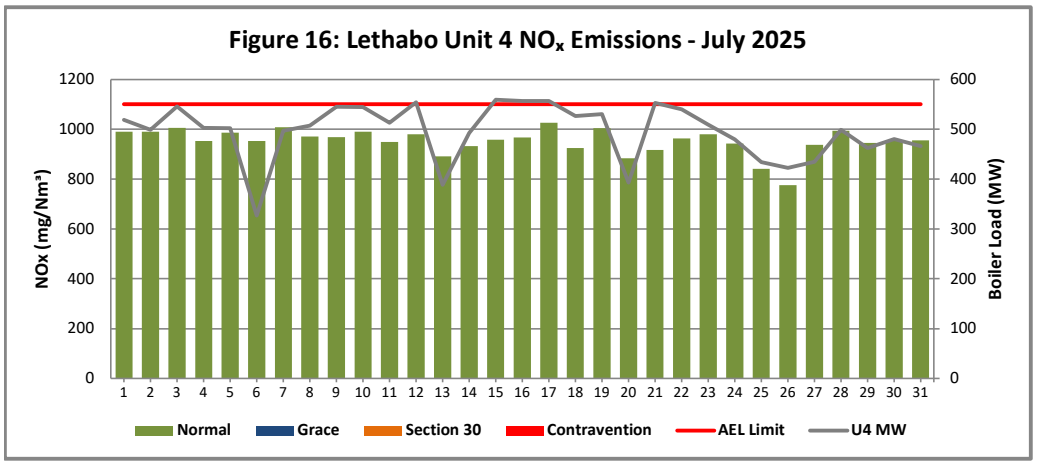


Figure 16: Lethabo Unit 4 NOx Emissions - July 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U4 MW

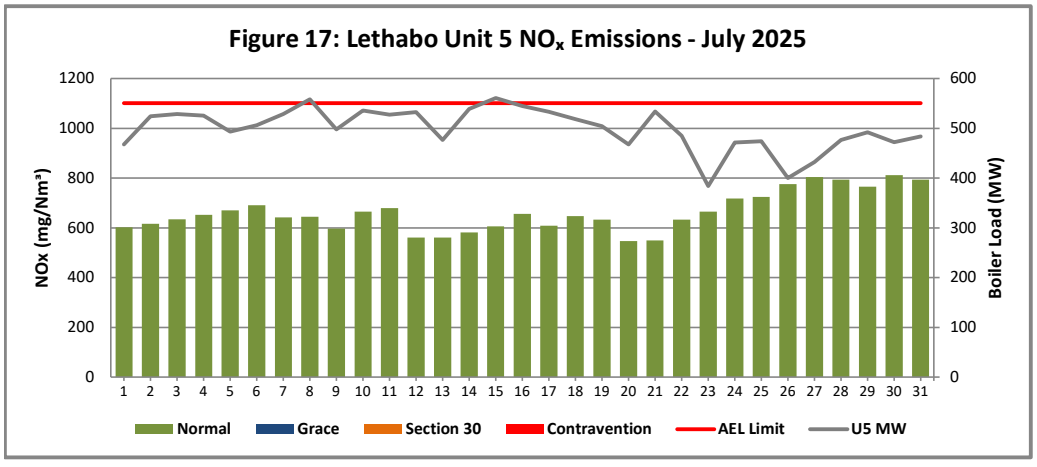
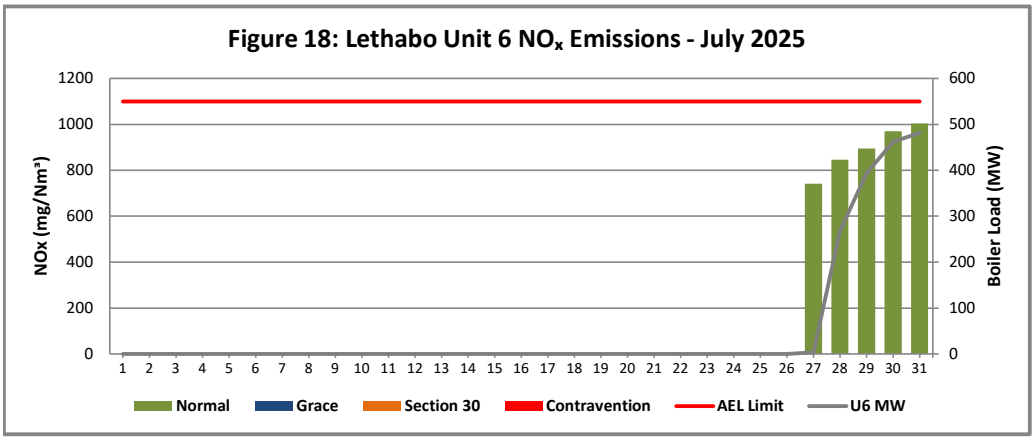


Figure 17: Lethabo Unit 5 NOx Emissions - July 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U5 MW



7 SHUT-DOWN AND LIGHT-UP INFORMATION FOR JULY 2025

See Events sheet

8. MAINTENANCE

Unit 1				
Beginning of	2025/07/12 00:00	2025/07/19 00:00	2025/07/20 00:00	2025/07/26 00:00
Reason for Maintenance	LHO casing repairs	RHO Casing repairs	RHO Casing repairs	LHI Casing repairs
End (Time):	2025/07/12 16:36	2025/07/20 00:20	2025/07/20 01:03	2025/07/26 19:19
Duration	16:36:00	24:20:00	1:03:00	19:19:00

Unit 2				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

Unit 3				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

Unit 4				
Beginning of	2025/07/20 00:00:00	2025/07/27 00:00:00		
Reason for Maintenance	RHI Casing repairs	LHI Casing repairs		
End (Time):	2025/07/20 14:13:00	2025/07/27 21:00:00		
Duration	14:13:00	21:00:00		

Unit 5				
Beginning of	2025/07/25 03:36	2025/07/27 00:00		
Reason for Maintenance	LHO casing repairs	RHI Casing repairs		
End (Time):	2025/07/26 03:35	2025/07/27 23:25		
Duration	23:59:00	23:25:00		

Unit 6				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

9 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

10 GENERAL

Unit 5 Monitor Reliability
21/07/2025: PM monitor Reliability low due to monitor max out.

Unit 4:
On the 20/07/2025 - 24/07/2025, unit 4 registered a non-compliance as the unit exceeded for greater than 72 hrs light up conditions due to daily emissions report not properly synchronised to the latest ERT report (LTB0725ERT) and ESP system not reliably in reducing emissions. However, the root cause is to be determined once the investigation is done.

CO2 and Velocity Monitors Low Reliability Units 1-6:
Due to correction of bad data as per internal emission data integrity review actions in 2021 and 2022. Bad Velocity data and Bad CO2 data were corrected/removed as per the review actions and findings.

Unit 6 PM Monitor Reliability
PM monitor Reliability low due to monitor maxim out .

Unit 6 SO3 Plant utilisation
SO3 plant Utilisatio low due to unit running at low load

7 Shut-down and light-up information for JULY 2025

Event Description		Event 1		Event 2		Event 3		Event 4		Event 5		Event 6		Event 7		Event 8	
Unit 1	Breaker Open (BO)	12:35 am	2025/07/01														
	Draught Group (DG) Shut Down (SD)	1:00 am	2025/07/01														
	BO to DG SD (duration)	00:00:25	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time	4:40 am	2025/07/01														
	Synch. to Grid (or BC)	6:00 am	2025/07/01														
	Fires in to BC (duration)	00:01:20	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2025/07/03														
	Emissions below limit from BC (duration)	01:18:00	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Event Description		**Event 1**		**Event 2**		**Event 3**		**Event 4**		**Event 5**		**Event 6**		**Event 7**		**Event 8**	
Unit 2	Breaker Open (BO)																
	Draught Group (DG) Shut Down (SD)																
	BO to DG SD (duration)		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		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		DD:HH:MM		DD:HH:MM		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		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Event Description		**Event 1**		**Event 2**		**Event 3**		**Event 4**		**Event 5**		**Event 6**		**Event 7**		**Event 8**	
Unit 3	Breaker Open (BO)			12:00 pm	2025/07/12												
	Draught Group (DG) Shut Down (SD)			12:30 pm	2025/07/12												
	BO to DG SD (duration)		DD:HH:MM	00:00:30	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time			3:50 pm	2025/07/12												
	Synch. to Grid (or BC)			9:20 pm	2025/06/30												
	Fires in to BC (duration)		DD:HH:MM	##########	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)			12:35 am	2025/07/01												
	Emissions below limit from BC (duration)		DD:HH:MM	00:03:15	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Event Description		**Event 1**		**Event 2**		**Event 3**		**Event 4**		**Event 5**		**Event 6**		**Event 7**		**Event 8**	
Unit 4	Breaker Open (BO)	5:35 am	2025/07/06	12:40 am	2025/07/13	2:15 pm	2025/07/20										
	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	3:05 pm	2025/07/20										
	BO to DG SD (duration)	n/a	DD:HH:MM	n/a	DD:HH:MM	00:00:50	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time					4:05 pm	2025/07/20										
	Synch. to Grid (or BC)					6:45 pm	2025/07/20										
	Fires in to BC (duration)		DD:HH:MM		DD:HH:MM	00:02:40	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)					12:00 am	2025/07/21										
	Emissions below limit from BC (duration)		DD:HH:MM		DD:HH:MM	00:05:15	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Event Description		**Event 1**		**Event 2**		**Event 3**		**Event 4**		**Event 5**		**Event 6**		**Event 7**		**Event 8**	
Unit 5	Breaker Open (BO)																
	Draught Group (DG) Shut Down (SD)																
	BO to DG SD (duration)		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		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		DD:HH:MM		DD:HH:MM		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		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Event Description		**Event 1**		**Event 2**		**Event 3**		**Event 4**		**Event 5**		**Event 6**		**Event 7**		**Event 8**	
Unit 6	Breaker Open (BO)	11:45 pm	2025/07/28	BO previously	BO previously												
	Draught Group (DG) Shut Down (SD)	7:00 am	2025/07/01	n/a	n/a												
	BO to DG SD (duration)	################	DD:HH:MM	n/a	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time	11:45 am	2025/07/27	3:10 am	2025/07/29												
	Synch. to Grid (or BC)	11:30 pm	2025/07/27	3:25 am	2025/07/29												
	Fires in to BC (duration)	00:11:45	DD:HH:MM	00:00:15	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Emissions below limit from BC (end date)	12:00 am	2025/07/30	12:00 am	2025/07/30												
	Emissions below limit from BC (duration)	02:00:30	DD:HH:MM	00:20:35	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM

ADDENDUM TO MONTHLY EMISSIONS REPORT

10. S30 INCIDENT OR LEGAL CONTRAVENTION REGISTER

To be completed in the case of a S30 incident or a legal contravention:

Unit no	Incident Start Date	Incident End Date	Incident Cause	Remedial action	S30 initial notification sent	Date S30 investigation report sent	Date DEA Acknowledg-ment	Date DEA Acceptable	Comments / Reference No.

11. PARTICULATE EMISSIONS

EMISSION RATE (ACTUAL EMISSION/MWh GENERATED - kg/MWh)

MONTH	UNIT 1	UNIT 2	UNIT 3	UNIT 4	UNIT 5	UNIT 6	STATION
Jul-24	0.43	2.04	0.55	0.75	0.68	1.28	0.87
Aug-24	0.48	0.91	0.69	0.47	0.53	0.18	0.54
Sept-24	0.61	0.70	0.69	0.67	0.76	0.24	0.60
Oct-24	0.34	0.62	OFF	0.61	0.78	0.33	0.57
Nov-24	0.42	0.50	OFF	0.90	0.75	0.26	0.56
Dec-24	0.56	0.57	OFF	0.88	0.63	0.24	0.54
Jan-25	1.08	0.51	OFF	0.82	1.47	0.71	0.90
Feb-25	1.50	0.56	7.43	0.49	1.94	0.50	1.47
Mar-25	1.38	0.67	1.83	0.58	2.33	0.46	1.25
Apr-25	0.58	OFF	1.44	5.63	2.46	0.28	1.54
May-25	0.71	OFF	1.28	0.43	0.48	0.25	0.64
Jun-25	0.42	OFF	0.37	0.38	0.53	0.15	0.38
Jul-25	0.39	OFF	0.40	0.48	1.16	0.08	0.59

ADDENDUM TO MONTHLY EMISSIONS REPORT

12. DAILY EMISSIONS FIGURES

Final Dust Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	**Limit (U1-U5)**	**Limit U6**
01-Jul	31		41	77	56		100	50
02-Jul	54		70	58	63		100	50
03-Jul	55		82	72	71		100	50
04-Jul	51		77	111	83		100	50
05-Jul	57		93	74	74		100	50
06-Jul	61		62	97	82		100	50
07-Jul	59		49	56	75		100	50
08-Jul	79		76	63	85		100	50
09-Jul	77		40	84	69		100	50
10-Jul	82		58	93	72		100	50
11-Jul	66		77	84	83		100	50
12-Jul	94		40	96	80		100	50
13-Jul	41		54	103	64		100	50
14-Jul	48		88	64	82		100	50
15-Jul	76		134	102	94		100	50
16-Jul	63		90	85	86		100	50
17-Jul	58		45	88	88		100	50
18-Jul	62		44	77	123		100	50
19-Jul	109		39	82	71		100	50
20-Jul	46		56	155	685		100	50
21-Jul	81		66	114	1841		100	50
22-Jul	90		77	94	132		100	50
23-Jul	78		78	109	90		100	50
24-Jul	62		62	98	158		100	50
25-Jul	59		92	74	247		100	50
26-Jul	101		59	60	96		100	50
27-Jul	80		53	133	610		100	50
28-Jul	50		54	73	72	452	100	50
29-Jul	48		50	69	53		100	50
30-Jul	57		62	75	53	16	100	50
31-Jul	53		55	74	57	22	100	50

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final SOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	**Limit**
01-Jul	1973		2045	2249	2243		2600
02-Jul	1927		2017	2154	2189		2600
03-Jul	1863		1971	2145	2190		2600
04-Jul	1829		1924	2139	2189		2600
05-Jul	1843		1986	2086	2086		2600
06-Jul	1726		1910	2079	2024		2600
07-Jul	1687		1862	2004	2046		2600
08-Jul	1740		1875	2056	2045		2600
09-Jul	1732		1899	2059	2066		2600
10-Jul	1759		1867	2062	2058		2600
11-Jul	1770		2048	2102	2106		2600
12-Jul	1835		2131	2112	2144		2600
13-Jul	1788		2110	2088	2069		2600
14-Jul	1754		2001	2020	2004		2600
15-Jul	1749		2002	2011	2063		2600
16-Jul	1695		1943	1908	1967		2600
17-Jul	1638		1871	1876	1967		2600
18-Jul	1714		1973	2062	2042		2600
19-Jul	1783		2034	2026	2051		2600
20-Jul	1757		2088	2003	2033		2600
21-Jul	1722		2052	2076	2077		2600
22-Jul	1753		2034	2006	2012		2600
23-Jul	1661		1922	1970	1890		2600
24-Jul	1654		1967	1980	1898		2600
25-Jul	1633		1981	1987	1945		2600
26-Jul	1850		2000	2112	1956		2600
27-Jul	1796		2002	2090	2023	1841	2600
28-Jul	1763		2031	2197	2079	1822	2600
29-Jul	1773		2050	2188	2157	1906	2600
30-Jul	1872		2142	2299	2214	1930	2600
31-Jul	1936		2196	2364	2304	1956	2600

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final NOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	**Limit**
01-Jul	909		805	990	601		1100
02-Jul	825		834	990	616		1100
03-Jul	738		750	1006	635		1100
04-Jul	851		623	953	653		1100
05-Jul	998		746	987	670		1100
06-Jul	989		862	953	691		1100
07-Jul	1034		797	1009	642		1100
08-Jul	1002		903	971	645		1100
09-Jul	949		821	969	597		1100
10-Jul	972		893	990	664		1100
11-Jul	962		992	950	679		1100
12-Jul	933		917	980	561		1100
13-Jul	919		867	891	561		1100
14-Jul	922		978	933	582		1100
15-Jul	955		965	958	607		1100
16-Jul	1009		1033	966	656		1100
17-Jul	986		970	1027	608		1100
18-Jul	962		933	926	646		1100
19-Jul	835		786	1005	633		1100
20-Jul	927		805	884	547		1100
21-Jul	983		894	917	549		1100
22-Jul	921		856	962	634		1100
23-Jul	899		961	980	664		1100
24-Jul	959		947	942	719		1100
25-Jul	952		882	841	725		1100
26-Jul	980		864	776	776		1100
27-Jul	1019		873	937	803	742	1100
28-Jul	998		858	993	794	846	1100
29-Jul	1011		905	945	765	895	1100
30-Jul	972		964	955	812	970	1100
31-Jul	966		958	957	793	1004	1100

ADDENDUM TO MONTHLY EMISSIONS REPORT

13. AVAILABILITY

ESP utilisation

Availability												
Month	**Unit 1**	**Days Affected**	**Unit 2**	**Days Affected**	**Unit 3**	**Days Affected**	**Unit 4**	**Days Affected**	**Unit 5**	**Days Affected**	**Unit 6**	**Days Affected**
Jul-24	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	######	0.00%
Aug-24	98.59%	1.75	100.00%	0.00	99.21%	0.97	100.00%	0.00	99.84%	0.20	######	0.00
Sept-24	98.55%	1.7	99.84%	0.2	100.00%	0.0	99.12%	1.1	99.16%	1.0	######	0.00%
Oct-24	99.19%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	97.67%	2.9	######	0.00%
Nov-24	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00
Dec-24	99.39%	0.8	99.24%	0.9	100.00%	0.0	99.18%	1.0	99.96%	0.0	99.27%	90.83%
Jan-25	98.99%	1.25	100.00%	0.00	100.00%	0.00	100.00%	0.00	98.40%	1.98	#####	0.00
Feb-25	99.18%	0.92	99.84%	0.17	100.00%	0.00	100.00%	0.00	100.00%	0.00	#####	1.24
Mar-25	98.08%	2.4	99.27%	0.9	98.99%	1.3	100.00%	0.0	95.52%	5.6	######	0.0
Apr-25	98.21%	2.1	100.00%	0.0	100.00%	0.0	100.00%	0.0	97.50%	3.0	98.48%	1.8
May-25	99.33%	0.8	100.00%	0.0	97.26%	3.4	100.00%	0.0	100.00%	0.0	######	0.0
Jun-25	98.12%	2.3	100.00%	0.0	100.00%	0.0	100.00%	0.0	99.16%	1.0	######	0.0
Jul-25	97.94%	2.6	100.00%	0.0	100.00%	0.0	98.82%	1.5	98.41%	2.0	######	0.0

SO3 plant utilisation

Availability												
Month	**Unit 1**	**Days Affected**	**Unit 2**	**Days Affected**	**Unit 3**	**Days Affected**	**Unit 4**	**Days Affected**	**Unit 5**	**Days Affected**	**Unit 6**	**Days Affected**
Jul-24	98.30%	0.5	41.43%	18.2	99.73%	0.1	99.58%	0.1	98.39%	0.5	53.66%	#########
Aug-24	99.46%	0.17	91.70%	2.57	100.00%	0.00	97.98%	0.63	99.59%	0.13	96.68%	103.04%
Sept-24	100.00%	0.0	89.45%	3.2	99.33%	0.2	99.84%	0.0	99.58%	0.1	99.92%	0.02
Oct-24	99.85%	0.0	95.65%	1.3	Off-line	Off-line	98.92%	0.3	93.82%	1.9	99.59%	0.13
Nov-24	99.99%	0.0	96.60%	1.0	Off-line	Off-line	99.17%	0.3	97.46%	0.8	99.21%	0.24
Dec-24	52.80%	14.6	27.08%	22.6	Off-line	Off-line	77.33%	7.0	66.67%	10.3	60.94%	12.11
Jan-25	95.59%	1.4	93.50%	2.0	Off-line	Off-line	96.18%	1.2	90.28%	3.0	94.33%	1.76
Feb-25	91.37%	2.4	95.28%	1.3	67.36%	9.14	95.45%	1.3	91.35%	2.4	97.77%	0.62
Mar-25	98.52%	0.5	96.36%	1.1	85.05%	4.63	98.61%	0.4	99.91%	0.0	88.42%	3.6
Apr-25	95.63%	1.3	OFF	OFF	89.52%	3.15	85.62%	4.3	88.61%	3.4	99.78%	0.1
May-25	95.99%	1.2	OFF	OFF	98.12%	0.58	99.01%	0.3	99.52%	0.1	98.36%	0.5
Jun-25	99.86%	0.0	OFF	OFF	99.25%	0.22	99.83%	0.1	98.19%	0.5	99.22%	0.2
Jul-25	99.87%	0.0	Off-line	#VALUE!	99.06%	0.29	100.00%	0.0	98.79%	0.4	66.67%	10.3

ADDENDUM TO MONTHLY EMISSIONS REPORT

Particulate Emission Monitors

Availability						
	Unit 1	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Unit 6**
Jul-24	90.95%	73.05%	97.04%	95.37%	98.85%	61.98%
Aug-24	96%	91%	99%	100%	99%	99.58%
Sept-24	98.11%	94.42%	100.00%	98.42%	96.20%	99.64%
Oct-24	99.65%	94.32%	OFF	98.75%	96.51%	98.18%
Nov-24	99.43%	99.40%	OFF	99.31%	94.41%	98.54%
Dec-24	100.00%	96.61%	OFF	98.22%	96.26%	99.60%
Jan-25	96.64%	98.67%	OFF	87.85%	92.93%	99.02%
Feb-25	98.72%	97.70%	85.64%	99.62%	93.53%	98.72%
Mar-25	93.15%	96.04%	96.08%	99.85%	92.61%	97.36%
Apr-25	98.70%	OFF	99.50%	90.90%	96.10%	99.10%
May-25	100.00%	OFF	98.70%	100.00%	98.90%	100.00%
Jun-25	98.50%	OFF	98.10%	99.80%	99.80%	99.20%
Jul-25	100.00%	OFF	100.00%	100.00%	98.40%	66.70%

Gaseous Emission Monitors

	Availability											
	Unit 1		**Unit 2**		**Unit 3**		**Unit 4**		**Unit 5**		**Unit 6**	
Month	**SOx**	**NOx**	**SOx**	**NOx**	**SOx**	**NOx**	**SOx**	**NOx**	**SOx**	**NOx**	**SOx**	**NOx**
Jul-24	99.7%	99.9%	100.0%	100.0%	100.0%	100.0%	99.5%	99.7%	100.0%	100.0%	73.4%	70.8%
Aug-24	99.9%	100.0%	99.8%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Sept-24	100.0%	100.0%	100.0%	99.7%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Oct-24	99.8%	100.0%	99.6%	99.7%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	99.7%	99.7%
Nov-24	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	99.9%	100.0%
Dec-24	57.5%	57.5%	37.5%	37.5%	0.0%	0.0%	79.7%	79.7%	66.7%	66.7%	65.6%	65.7%
Jan-25	99.3%	99.1%	99.3%	99.3%	0.0%	0.0%	100.0%	96.4%	100.0%	100.0%	100.0%	100.0%
Feb-25	98.2%	100.0%	100.0%	99.6%	86.1%	85.2%	96.0%	96.0%	94.6%	94.6%	96.2%	96.2%
Mar-25	93.8%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Apr-25	98.6%	98.6%	OFF	OFF	98.6%	98.6%	92.6%	91.9%	96.1%	99.2%	99.2%	99.2%
May-25	97.7%	97.7%	OFF	OFF	98.1%	98.1%	97.5%	97.5%	97.8%	97.8%	98.1%	98.1%
Jun-25	99.9%	99.9%	OFF	OFF	96.0%	96.0%	99.8%	99.8%	99.7%	99.6%	99.6%	99.8%
Jul-25	99.7%	99.7%	OFF	OFF	99.7%	99.7%	99.9%	99.9%	99.9%	99.9%	100.0%	100.0%

Oxygen Monitor Availability						
	Unit 1	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Unit 6**
Jul-24	99.89%	100.00%	100.00%	100.00%	99.84%	50.17%
Aug-24	99.87%	99.80%	99.87%	99.87%	100.00%	99.48%
Sept-24	100.00%	99.90%	100.00%	99.86%	99.72%	99.70%
Oct-24	99.23%	99.55%	0.00%	99.87%	94.89%	99.28%
Nov-24	100.00%	100.00%	0.00%	99.86%	84.89%	99.15%
Dec-24	57.50%	37.50%	0.00%	79.71%	66.67%	65.73%
Jan-25	99.55%	99.50%	0.00%	98.40%	99.43%	82.47%
Feb-25	99.70%	99.24%	85.19%	95.83%	94.39%	60.94%
Mar-25	100.00%	100.00%	100.00%	100.00%	99.81%	99.87%
Apr-25	98.74%	OFF	98.44%	92.56%	99.03%	99.00%
May-25	97.38%	OFF	97.98%	97.53%	97.54%	97.98%
Jun-25	99.70%	OFF	95.80%	99.80%	99.60%	99.60%
Jul-25	99.70%	OFF	99.70%	99.70%	99.60%	100.00%

ADDENDUM TO MONTHLY EMISSIONS REPORT

14. EFFICIENCY

ESP Efficiency (%)						
	Unit 1	**Unit 2**	**Unit 3**	**Unit 4**	**Unit 5**	**Unit 6**
Jul-24	99.885%	100.000%	100.000%	100.000%	99.840%	50.170%
Aug-24	99.87%	99.80%	99.87%	99.87%	100.00%	99.476%
Sept-24	100.000%	99.899%	100.000%	99.856%	99.722%	99.702%
Oct-24	99.228%	99.546%	0.000%	99.866%	94.892%	99.280%
Nov-24	100.000%	100.000%	0.000%	99.861%	84.886%	99.147%
Dec-24	57.500%	37.500%	0.000%	79.710%	66.667%	65.726%
Jan-25	99.554%	99.500%	0.000%	98.397%	99.432%	82.471%
Feb-25	99.702%	99.242%	85.188%	95.833%	94.391%	60.938%
Mar-25	100.000%	100.000%	100.000%	100.000%	99.812%	99.866%
Apr-25	98.818%	OFF	98.484%	98.074%	99.067%	99.877%
May-25	97.740%	OFF	99.440%	99.820%	99.780%	99.870%
Jun-25	99.830%	OFF	99.840%	99.840%	99.740%	99.930%
Jul-25	99.850%	OFF	99.820%	99.800%	99.460%	99.960%

15. REMARKS

UNIT	MWLOSS	REASON	ACTUALSTARTDATE	ACTUALENDDATE
1	593	tripped on low drum level	2025/07/01 00:31:00	2025/07/01 05:56:00
1	90	EF:High stack emissions	2025/07/10 19:34:00	2025/07/10 20:29:00
1	190	EF:High stack emissions	2025/07/10 20:29:00	2025/07/11 00:04:00
1	90	LHO casing repairs	2025/07/12 00:00:00	2025/07/12 16:36:00
1	90	RH Outer precip casing repairs	2025/07/19 00:00:00	2025/07/20 00:00:00
1	90	RH Outer precip casing repairs	2025/07/20 00:00:00	2025/07/20 01:03:00
1	90	LHI casing repairs	2025/07/26 00:00:00	2025/07/26 19:19:00
2	593	MGO ESP & SO3	2025/07/01 00:00:00	2025/07/31 23:59:59
3	43	Correlation test.	2025/07/02 21:19:00	2025/07/03 01:16:00
3	146	Correlation test.	2025/07/03 01:16:00	2025/07/03 03:50:00
3	157	Correlation test	2025/07/03 22:56:00	2025/07/04 03:26:00
3	94	Correlation test	2025/07/10 22:05:00	2025/07/11 04:42:00
3	593	Low drum level due to BFPT tripped and A EFP not coping.	2025/07/12 11:55:00	2025/07/12 17:46:00
4	593	Stator coolant pump A tripped and B pump fails to cut in.	2025/07/06 05:34:00	2025/07/06 13:04:00
4	593	Unit manually tripped due to Stator coolant pump A tripped and B pump failed.	2025/07/13 00:35:00	2025/07/13 06:13:00
4	155	High stack emissions.	2025/07/14 08:49:00	2025/07/14 15:34:00
4	110	High stack emissions.	2025/07/14 15:34:00	2025/07/14 16:55:00
4	59	High stack emissions.	2025/07/14 16:55:00	2025/07/14 20:25:00
4	81	High stack emissions.	2025/07/14 20:25:00	2025/07/15 00:48:00
4	73	RH Inner precip casing repairs	2025/07/20 00:00:00	2025/07/20 14:13:00
4	593	Unit 4 tripped Low Drum level	2025/07/20 14:13:00	2025/07/20 18:44:00
4	55	High stack emissions	2025/07/24 19:38:00	2025/07/24 22:18:00
4	154	High stack emissions.	2025/07/24 22:18:00	2025/07/25 04:41:00
4	54	High stack emissions.	2025/07/25 04:41:00	2025/07/25 14:36:00
4	154	EF:High stack emissions	2025/07/25 14:36:00	2025/07/26 17:47:00
4	71	LHI precip casing repairs	2025/07/27 00:00:00	2025/07/27 21:00:00
5	100	High stack emissions	2025/07/22 10:07:00	2025/07/22 16:16:00
5	200	High stack emissions	2025/07/22 19:25:00	2025/07/22 23:14:00
5	101	HIgh stack emissions	2025/07/22 23:14:00	2025/07/23 00:02:00
5	200	High stack emissions	2025/07/23 00:02:00	2025/07/23 11:11:00
5	228	High stack emissions	2025/07/23 11:11:00	2025/07/24 05:06:00
5	100	High stack emissions	2025/07/24 05:06:00	2025/07/24 05:33:00
5	100	LHO Precip casing repairs	2025/07/25 03:36:00	2025/07/26 03:35:00
5	100	Still air test failed reinspection needed	2025/07/26 03:35:00	2025/07/26 08:59:00
5	197	High stack emissions	2025/07/26 16:57:00	2025/07/26 17:59:00
5	208	High stack emissions.	2025/07/26 17:59:00	2025/07/27 00:00:00
5	100	RHI precip casing repairs	2025/07/27 00:00:00	2025/07/27 23:25:00
6	593	Gen Rotor Earth fault alarm received and sustained.	2025/07/01 00:00:00	2025/07/27 23:25:00
6	593	Unit 6 tripped manually after losing EFP A.	2025/07/28 23:43:00	2025/07/29 03:23:00