Eskom

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

Date: 20 January 2026

Enquiries:
S Xulu
Tel +27 16 457 5947

LRP01PLA000 _0499/2026/01/13

Dear Mr. Mkhatshwa

LETHABO POWER STATION EMISSION MONTHLY REPORT FOR DECEMBER 2025

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

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

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

Yours sincerely

Karabo Rakgolela
GENERAL MANAGER

Generation Division
Lethabo Power Station
Viljoensdrif / Deneysville Free State
Private Bag X415 Vereeniging 1930 SA
Tel +27 16 457 5111 Fax +27 16 457 5712 www.eskom.co.za

Eskom	Report	Lethabo Power Station

Report name: **Lethabo Power Station DECEMBER 2025 Emission Report**

Reference number: **LRP01PLA000 _0499/2026/01/13**
Document Type: **Report**
Area of Applicability: **Environment**
Report Date: **January-2026**
Classification: **Controlled Disclosure**

Signatures:

Compiled by:
S Zulu
Boiler Engineer
Date: 20/01/2026

Verified by :
S Xulu
Environmental Officer
Date: 20/01/2026

Reviewed by:
C. Govinden
BPE Manager
Date: 2026/01/21

Reviewed by:
P Malinga
PE Manager
Date:21/01/2026

Reviewed by:
L Nel
C&I Manager
Date: 2026-01-23

Reviewed by:
M Hariram
Environmental Manager
Date: 2026-01-26

Approved by:
H Sewsunker
Techincal Manager
Date: 2026/01/27

Reviewed by:
T. Njapha
Engineering Manager
Date: 2026-01-27

LETHABO POWER STATION MONTHLY EMISSIONS REPORT

Atmospheric Emission License: FDDM-MET-2011-08-P1-25-E1

1 RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Max Permitted Consumption Rate	Consumption Rate Dec-2025
	Coal	Tons	*2 000 000*	*1 122 809*
	Fuel Oil	Tons	*3 700*	*811.250*
Production Rates	**Product / By-Product Name**	**Units**	**Max Production Capacity Permitted**	**Indicative Production Rate Dec-2025**
	Energy	GWh	*2 834.640*	*1 427.838*
	Ash	Tons	*940 000*	*439 018.421*
	RE Ash	kg/MWh	*not specified*	*0.563*

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	%	*<1.2*	*0.680*
Ash Content	%	*<47*	*39.100*

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*	*99.821%*	*SO_3*	*97.9%*
Unit 2	*ESP + SO_3*	*99.868%*	*SO_3*	*97.4%*
Unit 3	*ESP + SO_3*	*99.812%*	*SO_3*	*89.9%*
Unit 4	*ESP + SO_3*	*99.567%*	*SO_3*	*98.0%*
Unit 5	*ESP + SO_3*	*Off-line*	*SO_3*	*Off-line*
Unit 6	*ESP + SO_3*	*99.899%*	*SO_3*	*95.3%*

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	*98.9*	*84.4*	*100.0*	*99.6*
Unit 2	*97.1*	*84.4*	*84.4*	*99.9*
Unit 3	*97.1*	*99.3*	*99.4*	*99.7*
Unit 4	*99.4*	*100.0*	*100.0*	*99.5*
Unit 5	*Exempt*	*exempt*	*exempt*	*exempt*
Unit 6	*99.5*	*99.8*	*99.8*	*99.7*

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 December 2025

Associated Unit/Stack	PM (tons)	SO_2 (tons)	NO_x (tons)
Unit 1	140.6	1 836	976
Unit 2	137.0	4 203	1 521
Unit 3	157.7	3 981	1 627
Unit 4	310.2	3 252	1 469
Unit 5	Exempt	Exempt	Exempt
Unit 6	57.7	2 670	1 316
SUM	803.23	15 942	6 909

Table 6.2: PM AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm^3)
Unit 1	15	7	0	0	7	142.6
Unit 2	27	2	0	0	2	66.4
Unit 3	22	4	0	1	5	82.2
Unit 4	7	11	0	6	17	202.8
Unit 5	Exempt	Exempt	Exempt	Exempt	Exempt	Exempt
Unit 6	19	2	0	0	2	211.9
SUM	**90**	**26**	**0**	**7**	**33**	

Table 6.3: SO_2 AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm³)
Unit 1	23	0	0	0	0	1 656.2
Unit 2	30	0	0	0	0	1 979.9
Unit 3	28	0	0	0	0	2 077.7
Unit 4	25	0	0	0	0	2 004.4
Unit 5	0	0	0	0	0	
Unit 6	23	0	0	0	0	1 862.2
SUM	**129**	**0**	**0**	**0**	**0**	

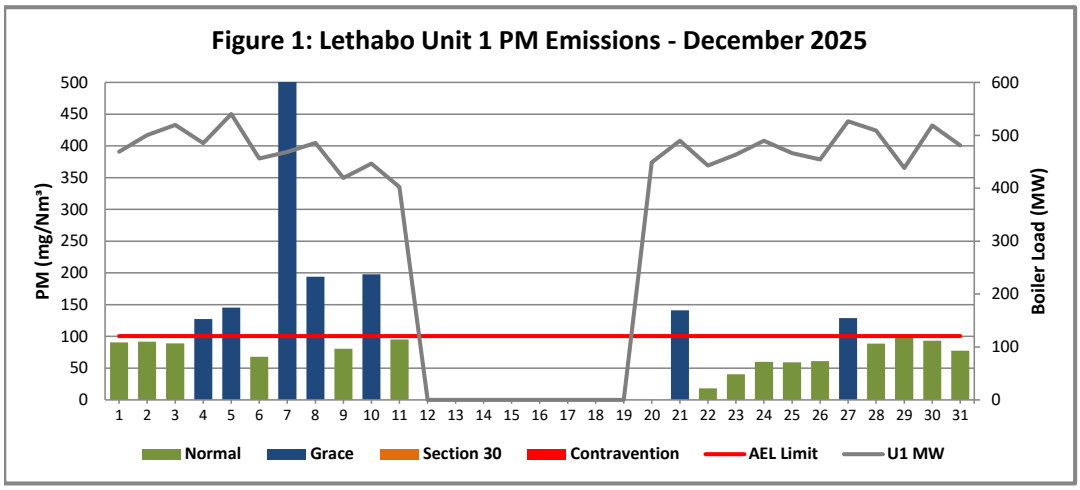
Table 6.4: NO_x AEL Daily Compliance - December 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm³)
Unit 1	23	0	0	0	0	870.4
Unit 2	30	0	0	0	0	715.7
Unit 3	28	0	0	0	0	846.7
Unit 4	25	0	0	0	0	902.4
Unit 5	0	0	0	0	0	
Unit 6	23	0	0	0	0	905.6
SUM	**129**	**0**	**0**	**0**	**0**	

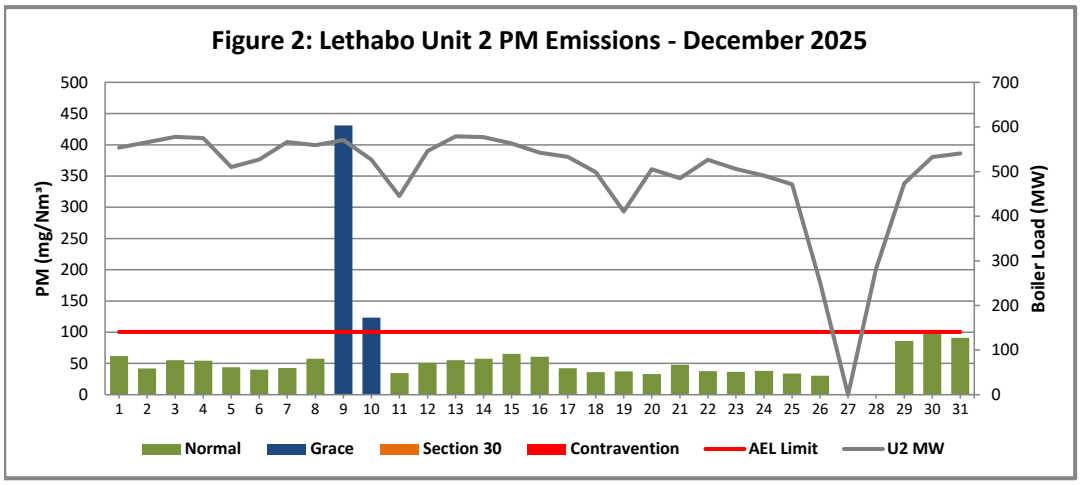
Note: Daily limit compliance is shown in the bar charts; monthly compliance is summarized in the table above.

Table 6.5: Legend Description

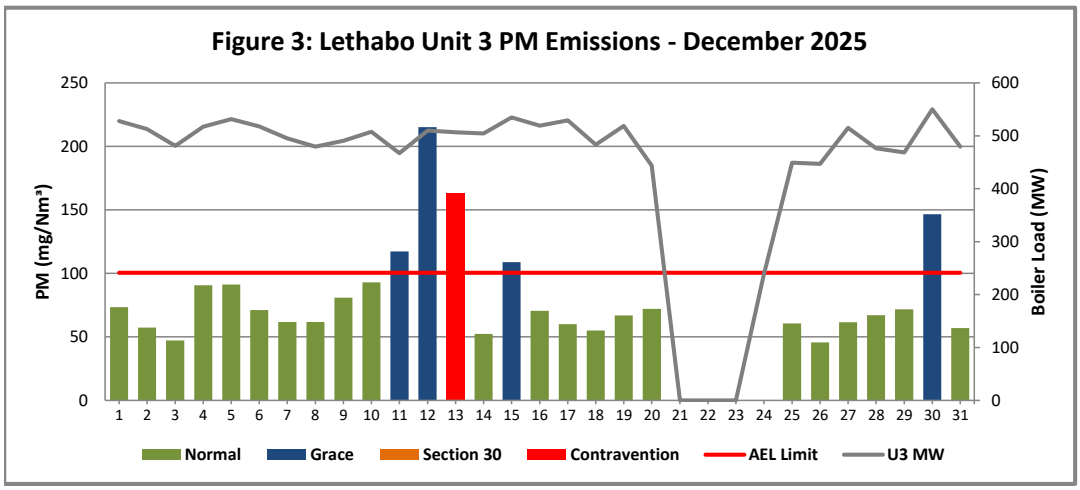
Condition	Colour	Description
Normal	GREEN	Emissions below Emission Limit Value (ELV)
Grace	BLUE	Emissions above the ELV during grace period
Section 30	ORANGE	Emissions above ELV during a NEMA S30 incident
Contravention	RED	Emissions above ELV but outside grace or S30 incident conditions



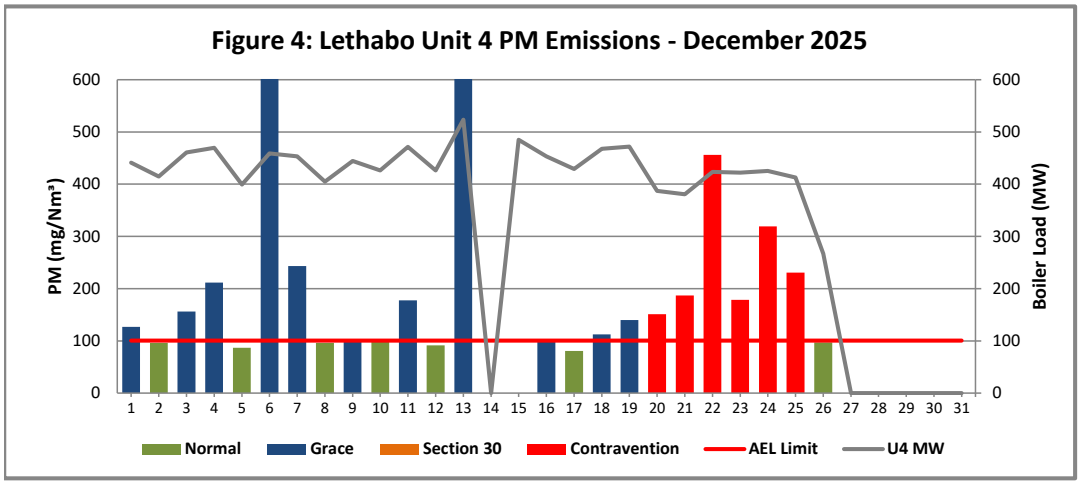
Reasons:	
Date	**Description**
04-Dec	Poor ESP Casing Performance
05-Dec	Poor ESP Casing Performance
07-Dec	ESP poor performance. LHI casing outage.
08-Dec	Poor ESP Casing Performance. High hopper levels. Clean rapping brought forward.
10-Dec	Poor ESP Casing Performance.
21-Dec	The unit synchronized on 2025/12/20 @ 00:09, therefore needs to be below the limit by 2025/12/22 @ 00:09 and remain below the limit until at least 2025/12/23
27-Dec	Poor ESP casing performance.



Reasons:	
Date	**Description**
09-Dec	High hopper levels. Poor ESP casing performance. Conveyor issues. Efficiency test conducted by RT&D.
10-Dec	Casing Performance. High hopper levels. Efficiency test done.



Date	**Description**
11-Dec	Poor ESP casing performance. SO3 plant issues
12-Dec	Casing Performance. SO3 plant issues
13-Dec	Poor ESP casing performance. SO3 plant issues
15-Dec	Poor ESP casing performance.
30-Dec	Poor ESP casing performance.



Reasons:	
Date	**Description**
01-Dec	Poor ESP casing performance. SO3 Plant challenges.
03-Dec	Poor ESP casing performance.
04-Dec	Poor ESP casing performance.
06-Dec	Poor ESP casing performance. RHI casing outage.
07-Dec	Poor ESP casing performance. RHI casing outage.
09-Dec	Poor ESP casing performance.
11-Dec	Poor ESP casing performance.
13-Dec	Poor ESP casing performance. Unit 4 shutdown.
16-Dec	The unit synchronized on 2025/12/15 @ 00:01, therefore needs to be below the limit by 2025/12/17 @ 00:01 and remain below the limit until at least 2025/12/18
18-Dec	Poor ESP Casing performance.
19-Dec	Poor ESP Casing performance.
20-Dec	Poor ESP Casing performance.
21-Dec	Poor ESP Casing performance.
22-Dec	Poor ESP Casing performance.
23-Dec	Poor ESP Casing performance.
24-Dec	Poor ESP Casing performance.
25-Dec	Poor ESP Casing performance. Clean rapping brought forward.

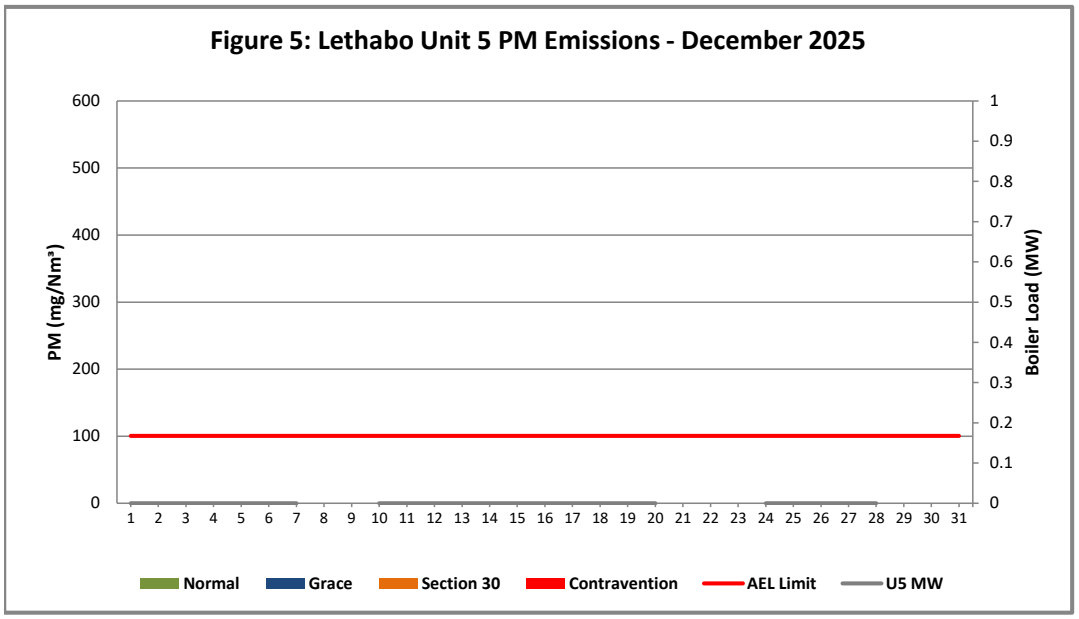


Figure 5: Lethabo Unit 5 PM Emissions - December 2025
PM (mg/Nm³)
Boiler Load (MW)
600
500
400
300
200
100
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U5 MW

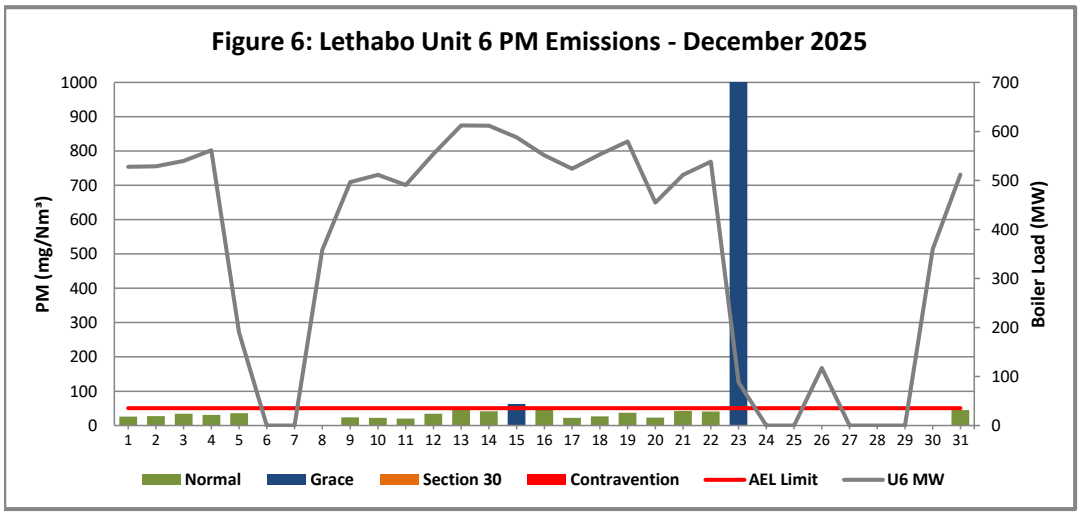
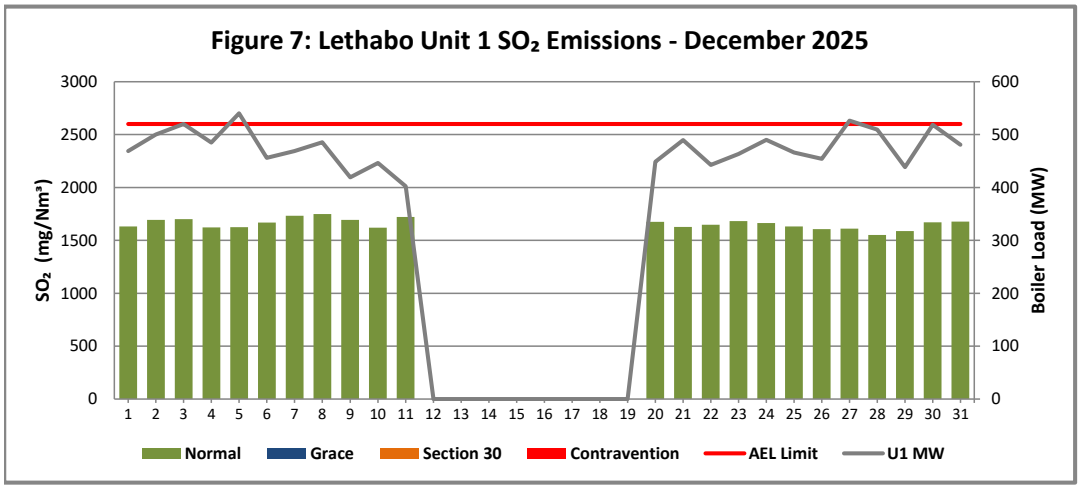
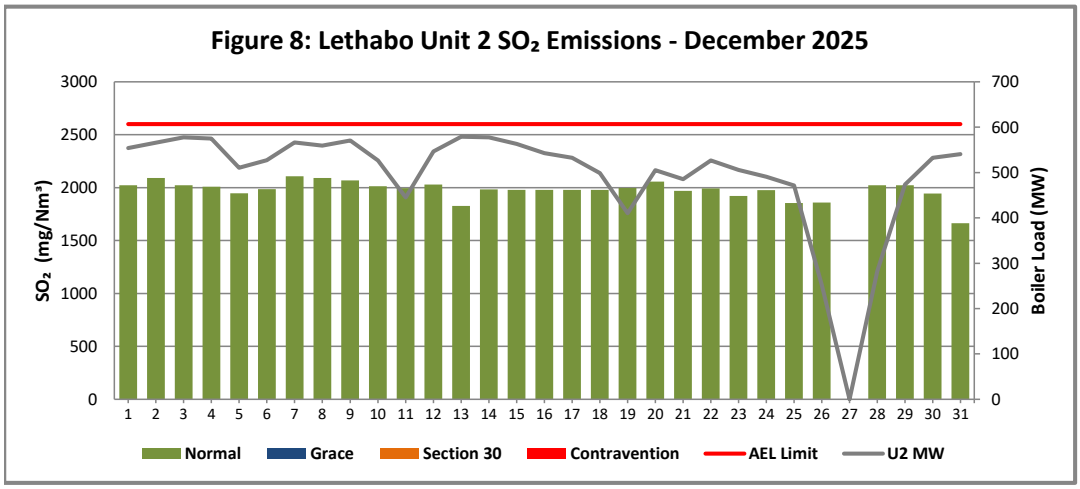


Figure 6: Lethabo Unit 6 PM Emissions - December 2025
PM (mg/Nm³)
Boiler Load (MW)
1000
900
800
700
600
500
400
300
200
100
0
700
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U6 MW

Reasons:	
Date	**Description**
15-Dec	ESP casing poor performance.
23-Dec	Unit shut down for cold reserve
26-Dec	Unit was RTS @ 11H11 and also shutdown for BTL at around 18H00





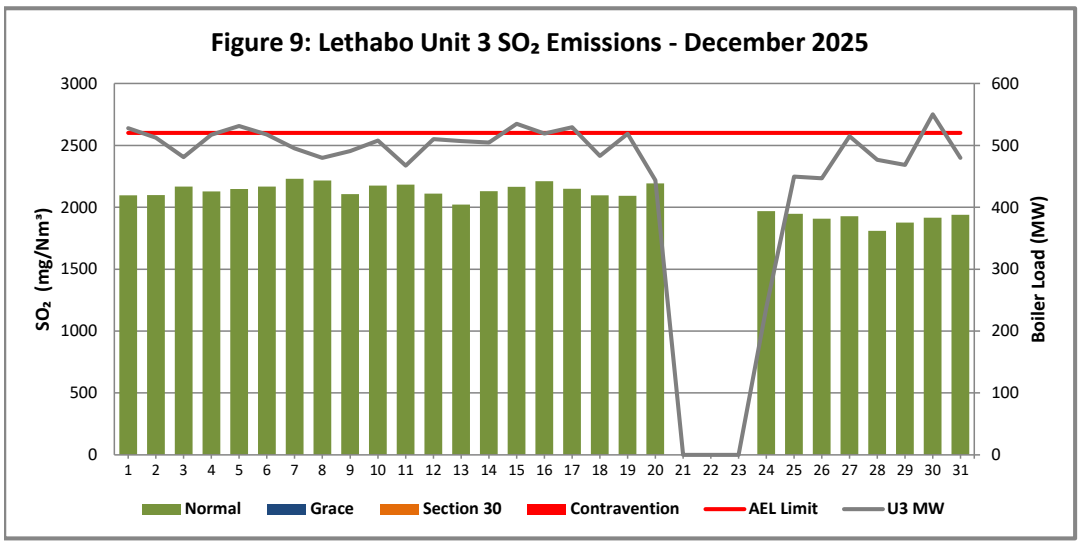


Figure 9: Lethabo Unit 3 SO₂ Emissions - December 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U3 MW

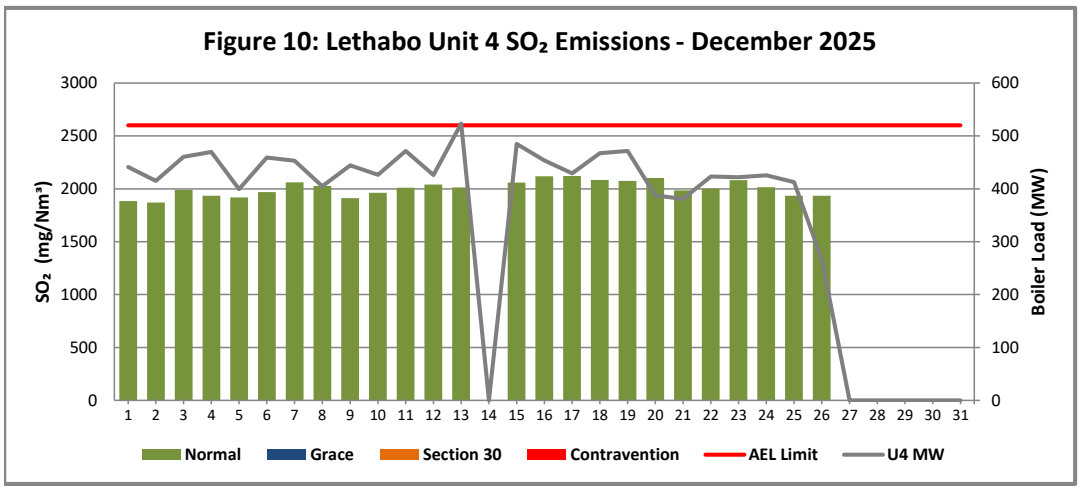


Figure 10: Lethabo Unit 4 SO₂ Emissions - December 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U4 MW

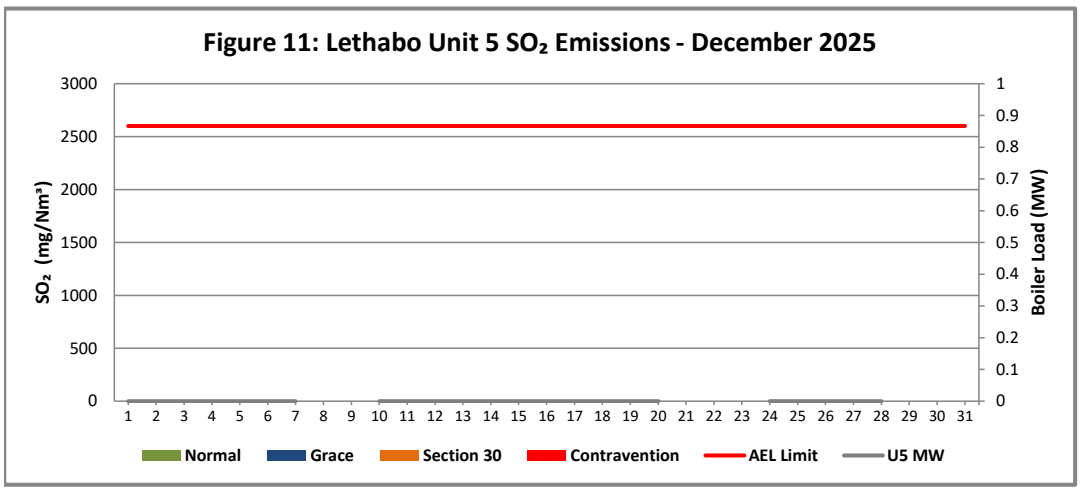


Figure 11: Lethabo Unit 5 SO₂ Emissions - December 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U5 MW

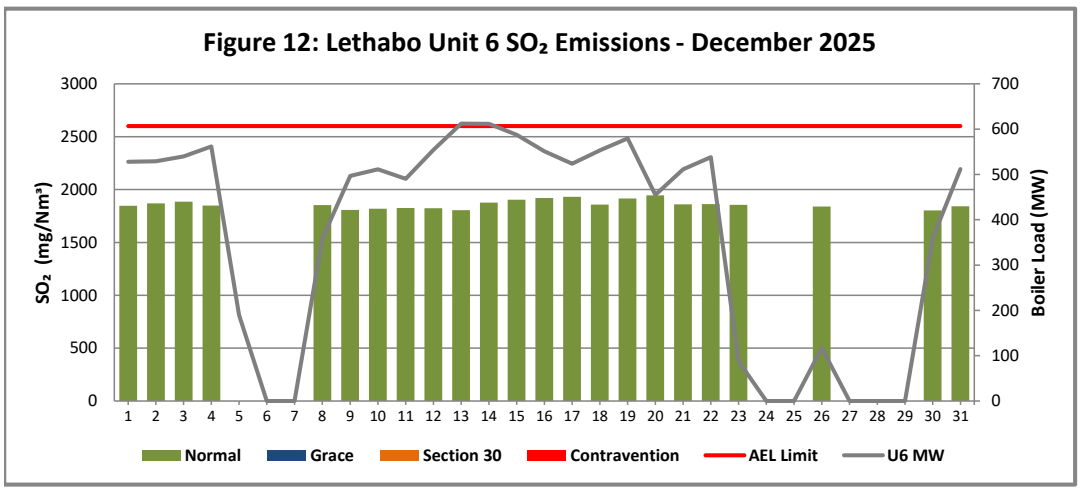


Figure 12: Lethabo Unit 6 SO₂ Emissions - December 2025
SO₂ (mg/Nm³)
Boiler Load (MW)
3000
2500
2000
1500
1000
500
0
700
600
500
400
300
200
100
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U6 MW

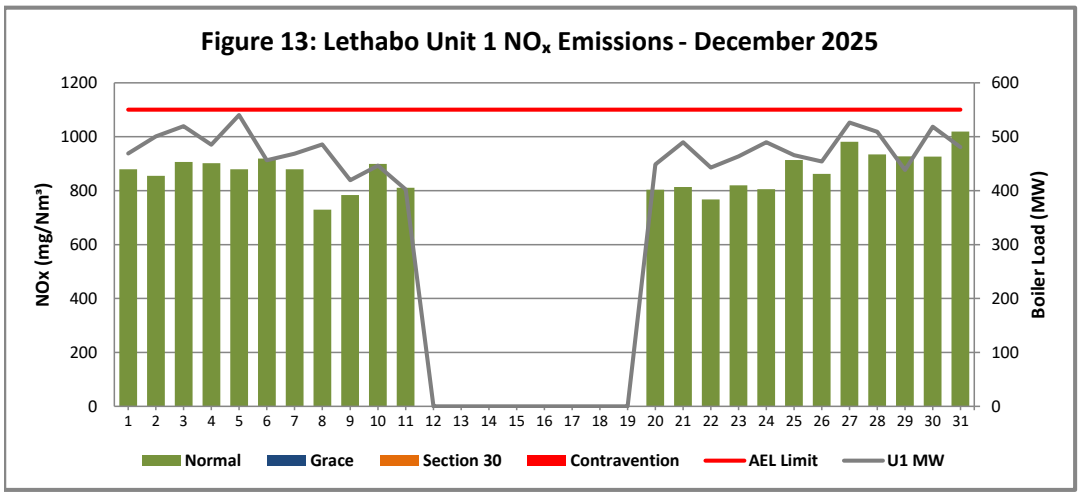


Figure 13: Lethabo Unit 1 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
0
200
400
600
800
1000
1200
0
100
200
300
400
500
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U1 MW

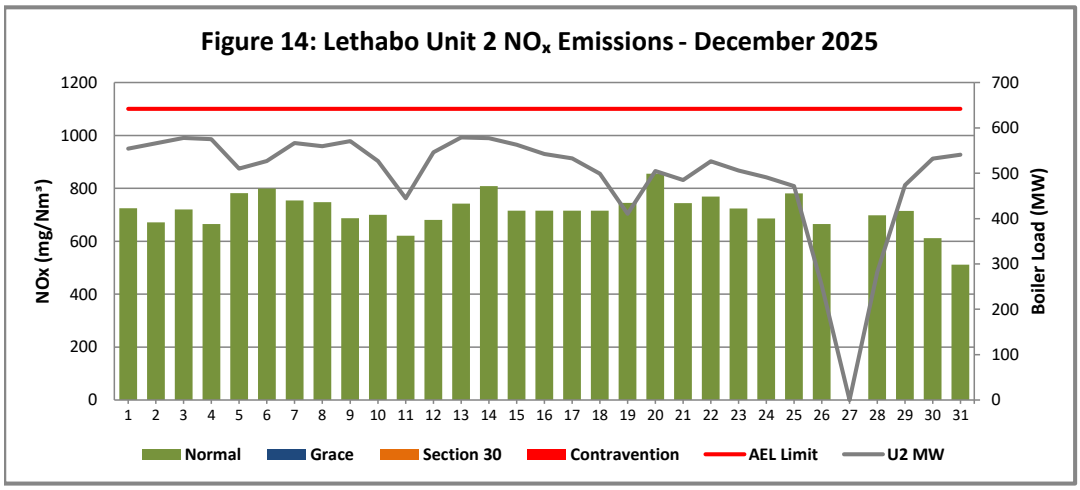


Figure 14: Lethabo Unit 2 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
0
200
400
600
800
1000
1200
0
100
200
300
400
500
600
700
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U2 MW

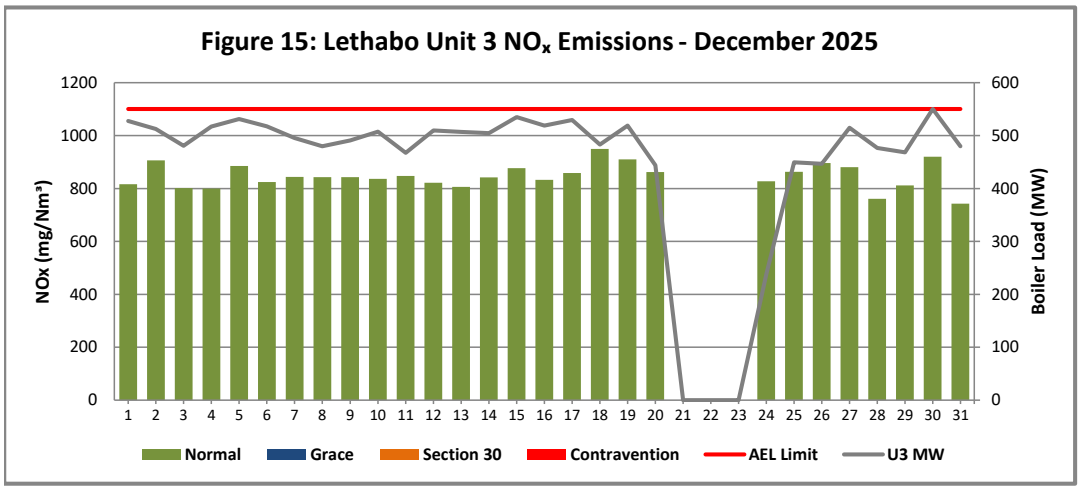


Figure 15: Lethabo Unit 3 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
0
200
400
600
800
1000
1200
0
100
200
300
400
500
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U3 MW

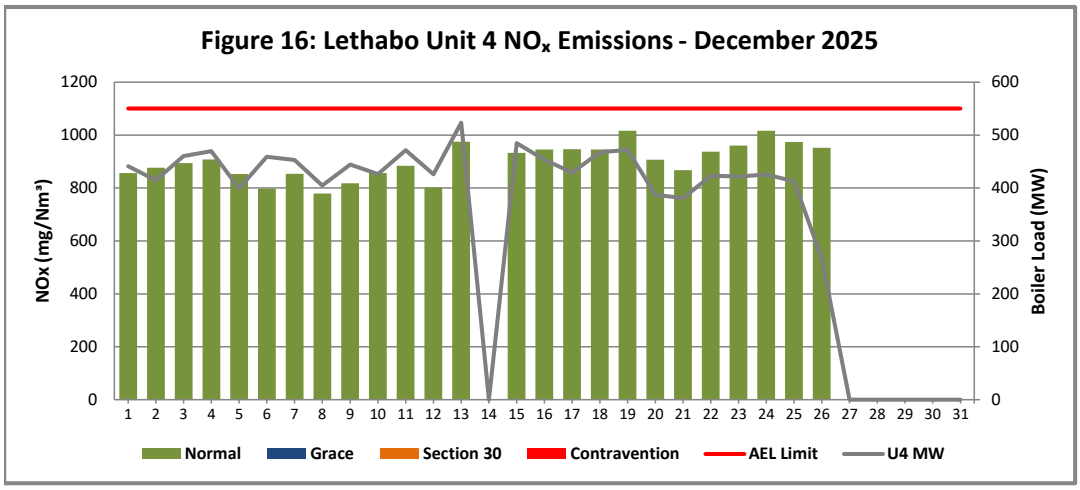


Figure 16: Lethabo Unit 4 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
0
200
400
600
800
1000
1200
0
100
200
300
400
500
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Normal
Grace
Section 30
Contravention
AEL Limit
U4 MW

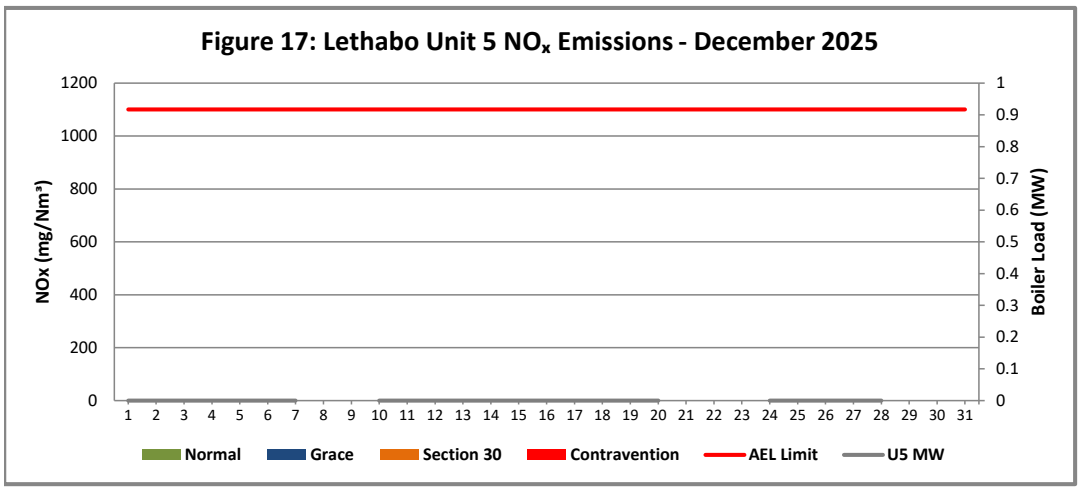


Figure 17: Lethabo Unit 5 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U5 MW

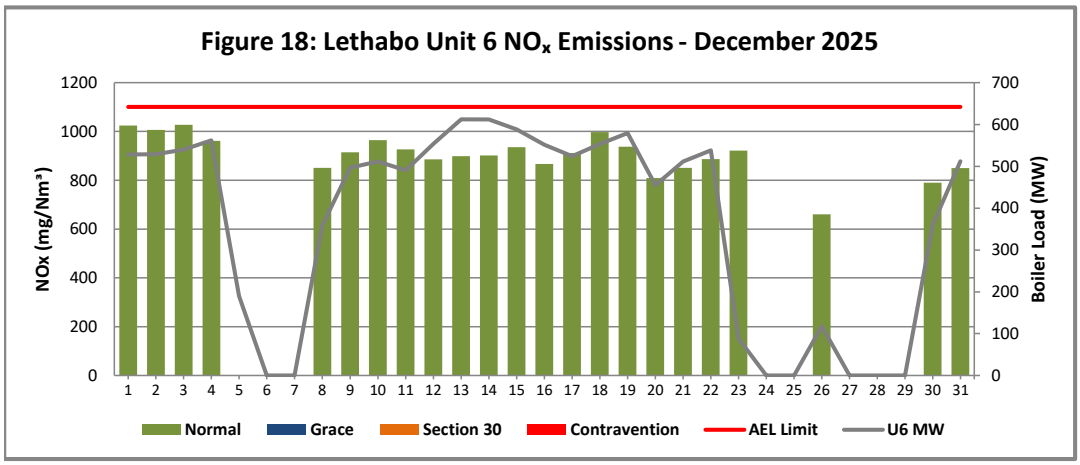


Figure 18: Lethabo Unit 6 NOx Emissions - December 2025
NOx (mg/Nm³)
Boiler Load (MW)
Normal
Grace
Section 30
Contravention
AEL Limit
U6 MW

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

See Events sheet

8. MAINTENANCE

Unit 1				
Beginning of	2025/12/07 02:07:00	2025/12/17 11:59:00		
Reason for Maintenance	LHI casing repairs.	Casing washing and repairs.		
End (Time):	2025/12/07 23:59:00	2025/12/20 00:09:00		
Duration	21:52:00	2.51 days		

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

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

Unit 4	2025/12/03 00:02:00	2025/12/06 01:36:00	2025/12/22 16:18:00	2025/12/22 18:09:00
Beginning of	RHI casing repairs.	RHI casing repairs.	LHO casing repairs.	LHO
Reason for Maintenance	2025/12/03 00:19:00	2025/12/08 01:35:00	2025/12/22 18:09:00	2025/12/26 04:33:00
End (Time):	00:17:00	2 days	01:51:00	3.43 days
Duration				

Unit 5				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

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

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

Event Description		Event 1		Event 2		Event 3		Event 4		Event 5		Event 6		Event 7		Event 8	
Unit 1	Breaker Open (BO)	11:10 pm	2025/11/29	10:55 pm	2025/12/11												
	Draught Group (DG) Shut Down (SD)	11:20 pm	2025/12/11	11:20 pm	2025/12/11												
	BO to DG SD (duration)	12:00:10	DD:HH:MM	00:00:25	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time	5:30 pm	2025/12/19	5:30 pm	2025/12/19												
	Synch. to Grid (or BC)	1:00 am	2025/11/30	12:10 am	2025/12/20												
	Fires in to BC (duration)	##########	DD:HH:MM	00:06:40	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)	1:00 pm	2025/12/01	12:00 am	2025/12/22												
	Emissions below limit from BC (duration)	01:12:00	DD:HH:MM	01:23:50	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)	2:25 am	2025/12/19	1:35 pm	2025/12/26												
	Draught Group (DG) Shut Down (SD)	3:00 am	2025/12/19	3:00 pm	2025/12/26												
	BO to DG SD (duration)	00:00:35	DD:HH:MM	00:01:25	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time	6:00 am	2025/12/19	3:55 am	2025/12/28												
	Synch. to Grid (or BC)	5:20 am	2025/12/19	8:20 am	2025/12/28												
	Fires in to BC (duration)	##########	DD:HH:MM	00:04:25	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	2025/12/21	12:00 pm	2025/12/30												
	Emissions below limit from BC (duration)	01:18:40	DD:HH:MM	02:03:40	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)	9:20 pm	2025/12/20														
	Draught Group (DG) Shut Down (SD)	9:35 pm	2025/12/20														
	BO to DG SD (duration)	00:00:15	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	2:50 am	2025/12/24														
	Synch. to Grid (or BC)	10:05 am	2025/12/24														
	Fires in to BC (duration)	00:07:15	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	2025/12/27														
	Emissions below limit from BC (duration)	02:13:55	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 4	Breaker Open (BO)	11:35 pm	2025/12/13	3:35 pm	2025/12/26												
	Draught Group (DG) Shut Down (SD)	11:50 pm	2025/12/13	3:10 pm	2025/12/26												
	BO to DG SD (duration)	00:00:15	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	7:55 pm	2025/12/14	2:25 am	2025/12/31												
	Synch. to Grid (or BC)	12:05 am	2025/12/15	3:55 am	2026/01/05												
	Fires in to BC (duration)	00:04:10	DD:HH:MM	05:01:30	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	2025/12/17	12:00 am	2026/01/06												
	Emissions below limit from BC (duration)	01:23:55	DD:HH:MM	00:20:05	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 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)	8:55 am	2025/12/05	4:30 am	2025/12/23	BO previously	BO previously										
	Draught Group (DG) Shut Down (SD)	9:20 pm	2025/12/05	10:25 pm	2025/12/22	n/a	n/a										
	BO to DG SD (duration)	00:12:25	DD:HH:MM	##########	DD:HH:MM	n/a	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
	Fires in time	10:30 pm	2025/12/07	8:55 am	2025/12/26	10:55 pm	2025/12/29										
	Synch. to Grid (or BC)	5:10 am	2025/12/08	5:45 am	2025/12/30	1:35 am	2026/01/02										
	Fires in to BC (duration)	00:06:40	DD:HH:MM	03:20:50	DD:HH:MM	03:02:40	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	2025/12/09	7:00 pm	2026/01/03	7:00 pm	2026/01/03										
	Emissions below limit from BC (duration)	00:18:50	DD:HH:MM	04:13:15	DD:HH:MM	01:17:25	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.
3	2025-12-13	2025-12-14	SO3 plant PLC fault	SO3 Plant was restarted	2025-12-15	Investigation In progress			
4	2025-12-20	2025/12/26	Poor Casing Performance	Inspection , washing and Repairs on the casing	2025-12-22	Investigation In progress			

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
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	16.13	OFF	1.50	6.27	2.31	0.40	5.12
May-25	16.16	OFF	1.28	0.81	0.57	0.25	3.33
Jun-25	0.60	OFF	0.45	0.49	0.52	0.25	0.47
Jul-25	0.50	OFF	0.40	0.73	1.07	0.07	0.66
Aug-25	0.60	OFF	0.39	0.59	0.68	0.62	0.58
Sept-25	0.61	0.18	0.28	1.07	2.17	0.20	0.67
Oct-25	0.48	0.29	0.36	0.77	OFF	0.23	0.41
Nov-25	0.61	0.24	0.34	1.02	OFF	0.18	0.48
Dec-25	0.54	0.37	0.48	1.20	OFF	0.21	0.54

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-Dec	91	62	73	119		26	100	50
02-Dec	92	42	57	96		27	100	50
03-Dec	89	55	47	156		34	100	50
04-Dec	128	54	91	212		31	100	50
05-Dec	145	44	91	87		36	100	50
06-Dec	68	40	71	732			100	50
07-Dec	1090	43	62	243			100	50
08-Dec	194	58	62	96			100	50
09-Dec	81	431	81	101		24	100	50
10-Dec	198	123	93	98		22	100	50
11-Dec	95	35	117	177		20	100	50
12-Dec		51	215	92		35	100	50
13-Dec		55	163	606		45	100	50
14-Dec		58	52			42	100	50
15-Dec		65	109			63	100	50
16-Dec		61	71	102		49	100	50
17-Dec		42	60	81		22	100	50
18-Dec		36	55	112		27	100	50
19-Dec		37	67	140		37	100	50
20-Dec		33	72	151		23	100	50
21-Dec	141	48		187		42	100	50
22-Dec	18	38		456		41	100	50
23-Dec	40	37		179		3759	100	50
24-Dec	60	38		319			100	50
25-Dec	59	34	61	231			100	50
26-Dec	61	30	46	97			100	50
27-Dec	129		61				100	50
28-Dec	89		67				100	50
29-Dec	100	86	72				100	50
30-Dec	93	99	147				100	50
31-Dec	77	91	57			45	100	50

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final SOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	**Limit**
01-Dec	1633	2022	2096	1884		1847	2600
02-Dec	1693	2092	2099	1871		1870	2600
03-Dec	1700	2022	2168	1989		1886	2600
04-Dec	1623	2008	2129	1936		1848	2600
05-Dec	1624	1946	2148	1918		0	2600
06-Dec	1668	1986	2168	1970			2600
07-Dec	1733	2107	2231	2061			2600
08-Dec	1749	2092	2215	2026		1854	2600
09-Dec	1695	2069	2106	1912		1808	2600
10-Dec	1620	2014	2174	1963		1818	2600
11-Dec	1721	1995	2183	2011		1826	2600
12-Dec		2029	2110	2040		1824	2600
13-Dec		1828	2022	2013		1804	2600
14-Dec		1983	2129			1877	2600
15-Dec		1980	2165	2059		1905	2600
16-Dec		1980	2211	2119		1920	2600
17-Dec		1980	2150	2122		1932	2600
18-Dec		1980	2096	2084		1857	2600
19-Dec		1998	2092	2076		1916	2600
20-Dec	1676	2057	2193	2103		1946	2600
21-Dec	1626	1969		1985		1861	2600
22-Dec	1649	1993		2001		1862	2600
23-Dec	1682	1922		2082		1856	2600
24-Dec	1664	1976	1969	2016			2600
25-Dec	1631	1856	1947	1936			2600
26-Dec	1608	1860	1907	1934		1839	2600
27-Dec	1612		1926				2600
28-Dec	1551	2022	1809				2600
29-Dec	1588	2024	1876				2600
30-Dec	1670	1944	1916			1802	2600
31-Dec	1678	1663	1938			1841	2600

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final NOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	**Limit**
01-Dec	880	725	816	857		1024	1100
02-Dec	855	671	906	877		1006	1100
03-Dec	907	720	802	895		1027	1100
04-Dec	902	665	800	908		962	1100
05-Dec	880	782	885	853		0	1100
06-Dec	919	799	825	797			1100
07-Dec	879	754	844	854			1100
08-Dec	730	748	843	779		851	1100
09-Dec	784	687	843	818		915	1100
10-Dec	899	700	836	857		965	1100
11-Dec	811	621	847	884		926	1100
12-Dec		681	822	802		886	1100
13-Dec		742	806	975		898	1100
14-Dec		808	842			901	1100
15-Dec		716	877	933		935	1100
16-Dec		716	832	946		866	1100
17-Dec		716	859	947		911	1100
18-Dec		716	949	946		997	1100
19-Dec		745	910	1017		937	1100
20-Dec	804	856	862	907		809	1100
21-Dec	813	744		868		851	1100
22-Dec	768	769		938		887	1100
23-Dec	819	724		961		922	1100
24-Dec	806	686	827	1016			1100
25-Dec	913	781	863	974			1100
26-Dec	862	665	896	952		661	1100
27-Dec	982		881				1100
28-Dec	935	698	761				1100
29-Dec	927	715	812				1100
30-Dec	927	612	920			789	1100
31-Dec	1019	511	743			849	1100

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
Dec-24	99.39%	0.8	99.24%	0.9	100.00%	0.0	99.18%	1.0	99.96%	0.0	99.27%	0.91
Jan-25	98.99%	1.3	100.00%	0.0	100.00%	0.0	100.00%	0.0	98.40%	2.0	100.00%	0.00
Feb-25	99.18%	0.92	99.84%	0.17	100.00%	0.00	100.00%	0.00	100.00%	0.00	98.90%	1.24
Mar-25	98.08%	2.4	99.27%	0.9	98.99%	1.3	100.00%	0.0	95.52%	5.6	100.00%	0.00
Apr-25	98.21%	2.15	100.00%	0.00	100.00%	0.00	100.00%	0.00	97.50%	3.00	98.48%	1.82
May-25	99.33%	0.84	100.00%	0.00	97.26%	3.39	100.00%	0.00	100.00%	0.00	100.00%	0.00
Jun-25	98.12%	2.3	100.00%	0.0	100.00%	0.0	100.00%	0.0	99.16%	1.0	100.00%	0.00
Jul-25	97.94%	2.6	100.00%	0.0	100.00%	0.0	100.00%	0.0	98.41%	2.0	100.00%	0.00
Aug-25	97.72%	2.8	100.00%	0.0	99.62%	0.5	99.33%	0.8	98.18%	2.3	100.00%	0.00
Sept-25	96.23%	4.5	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	99.17%	0.99
Oct-25	100.00%	0.0	100.00%	0.0	99.21%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0
Nov-25	97.77%	2.7	100.00%	0.0	99.18%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0
Dec-25	97.24%	3.4	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	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
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%	3.59
Apr-25	95.63%	1.3	Off-line	Offline	91.27%	2.62	85.62%	4.3	88.61%	3.4	99.78%	0.07
May-25	96.57%	1.1	Off-line	Offline	98.12%	0.58	99.01%	0.3	100.00%	0.0	99.03%	0.30
Jun-25	99.86%	0.0	Off-line	Offline	99.25%	0.22	99.83%	0.1	98.19%	0.5	99.22%	0.24
Jul-25	99.87%	0.0	Off-line	Offline	99.06%	0.29	100.00%	0.0	98.79%	0.4	66.67%	10.33
Aug-25	99.73%	0.1	Off-line	Offline	96.41%	1.11	98.87%	0.4	99.87%	0.0	98.06%	0.60
Sept-25	99.17%	0.2	94.99%	1.5	99.31%	0.21	95.14%	1.5	86.85%	3.9	98.73%	0.38
Oct-25	99.54%	0.1	99.04%	0.3	93.28%	2.08	93.04%	2.2	Off-line	OFF	98.96%	0.3
Nov-25	97.96%	0.6	99.97%	0.0	98.06%	0.58	87.67%	3.7	Off-line	OFF	96.77%	1.0
Dec-25	97.92%	0.6	97.39%	0.8	89.91%	3.13	98.00%	0.6	Off-line	OFF	95.34%	1.4

ADDENDUM TO MONTHLY EMISSIONS REPORT

Particulate Emission Monitors

Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
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	71.99%	OFF	99.17%	87.49%	94.03%	99.11%
May-25	67.27%	OFF	98.66%	99.17%	98.40%	99.86%
Jun-25	96.88%	OFF	98.09%	99.48%	98.44%	99.22%
Jul-25	99.46%	OFF	100.00%	99.45%	98.39%	66.67%
Aug-25	99.03%	Exempt	99.71%	99.58%	99.46%	99.17%
Sept-25	99.71%	99.72%	100.00%	99.17%	92.68%	99.83%
Oct-25	97.69%	95.33%	97.78%	99.43%	OFF	99.71%
Nov-25	99.57%	99.78%	98.47%	99.17%	OFF	100.00%
Dec-25	98.86%	97.13%	97.07%	99.38%	OFF	99.47%

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
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%	99.2%	99.2%	99.2%	99.2%
May-25	97.6%	97.6%	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%
Aug-25	100.0%	87.9%	100.0%	98.0%	93.6%	87.4%	84.9%	84.9%	96.0%	86.2%	77.9%	93.9%
Sept-25	94.7%	94.7%	94.0%	91.5%	95.0%	95.0%	95.0%	95.0%	98.1%	98.1%	93.5%	93.5%
Oct-25	100.0%	99.7%	99.9%	99.0%	100.0%	100.0%	100.0%	99.6%	OFF	OFF	100.0%	100.0%
Nov-25	100.0%	100.0%	100.0%	99.8%	100.0%	100.0%	100.0%	100.0%	OFF	OFF	94.4%	94.4%
Dec-25	100.0%	100.0%	84.4%	84.4%	99.3%	99.4%	100.0%	100.0%	OFF	OFF	99.8%	99.8%

Oxygen Monitor Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
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	97.27%	OFF	97.98%	97.53%	97.52%	97.98%
Jun-25	99.72%	OFF	95.83%	99.83%	99.57%	99.64%
Jul-25	99.73%	OFF	99.73%	99.73%	99.60%	100.00%
Aug-25	87.50%	100.00%	85.42%	87.32%	87.98%	95.47%
Sept-25	94.57%	93.90%	94.86%	94.86%	98.06%	93.53%
Oct-25	100.00%	99.73%	99.86%	100.00%	OFF	100.00%
Nov-25	100.00%	100.00%	72.50%	99.80%	OFF	94.40%
Dec-25	99.64%	99.86%	99.70%	99.50%	OFF	99.65%

ADDENDUM TO MONTHLY EMISSIONS REPORT

14. EFFICIENCY

ESP Efficiency (%)						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Dec-24	99.773%	99.722%	Unit Off	99.513%	99.695%	99.891%
Jan-25	99.573%	99.764%	Unit Off	99.650%	99.408%	99.613%
Feb-25	99.455%	99.758%	97.777%	99.804%	99.266%	99.787%
Mar-25	99.510%	99.690%	97.280%	99.770%	99.010%	99.780%
Apr-25	94.943%	Unit Off-line	99.464%	97.853%	99.121%	99.825%
May-25	93.936%	Unit Off-line	99.442%	99.670%	99.743%	99.863%
Jun-25	99.760%	Unit Off-line	99.800%	99.790%	99.743%	99.880%
Jul-25	99.804%	Unit Off-line	99.823%	99.693%	99.501%	99.967%
Aug-25	99.774%	Off-line	99.833%	99.780%	99.701%	99.668%
Sept-25	99.760%	99.902%	99.874%	99.542%	98.953%	99.904%
Oct-25	99.830%	99.880%	99.840%	99.660%	Unit Off-line	99.900%
Nov-25	99.780%	99.900%	99.860%	99.610%	Unit Off-line	99.901%
Dec-25	99.810%	99.870%	99.810%	99.570%	Unit Off-line	99.900%

15. REMARKS

UNIT	MWLOSS	REASON	ACTUALSTARTDATE	ACTUALENDDATE
1	177	Dust plant high hopper levels	2025/12/04 08:07:00	2025/12/04 17:45:00
1	178	High stack emissions	2025/12/06 00:08:00	2025/12/06 10:31:00
1	78	LH Inner precip casing repairs	2025/12/07 02:07:00	2025/12/07 23:59:00
1	180	High stack emissions.	2025/12/09 00:24:00	2025/12/09 18:12:00
1	130	AM: High stack emissions.	2025/12/09 18:12:00	2025/12/09 18:53:00
1	80	AM: High stack emissions.	2025/12/09 18:53:00	2025/12/10 00:34:00
1	180	High stack emissions.	2025/12/11 04:05:00	2025/12/11 16:55:00
1	0	Cold Reserve	2025/12/11 22:53:00	2025/12/13 12:00:00
1	0	Cold Reserve (Shift)	2025/12/13 12:00:00	2025/12/17 11:59:00
1	593	Precip casing washing	2025/12/17 11:59:00	2025/12/20 00:09:00
2	94	AM: Correlation test.	2025/12/05 00:57:00	2025/12/05 05:00:00
2	178	Correlation test	2025/12/05 22:00:00	2025/12/06 05:00:00
2	189	High stack emissions.	2025/12/11 04:05:00	2025/12/11 05:50:00
2	100	High stack emissions.	2025/12/11 05:50:00	2025/12/11 07:00:00
2	0	Cold Reserve	2025/12/19 02:24:00	2025/12/19 05:16:00
2	0	Cold Reserve	2025/12/26 13:30:00	2025/12/28 08:18:00
2	80	AM: High stack emissions.	2025/12/30 20:10:00	2025/12/31 00:14:00
3	140	High stack emissions	2025/12/13 20:23:00	2025/12/14 05:20:00
3	0	Cold Reserve	2025/12/20 21:19:00	2025/12/24 10:04:00
4	64	AM: High stack emissions.	2025/12/01 04:22:00	2025/12/01 17:26:00
4	168	AM: High stack emissions.	2025/12/01 20:48:00	2025/12/02 05:46:00
4	165	High stack emissions	2025/12/02 16:45:00	2025/12/03 00:02:00
4	68	RHI precip casing repairs.	2025/12/03 00:02:00	2025/12/03 00:19:00
4	164	AM: High stack emissions.	2025/12/05 00:00:00	2025/12/06 01:36:00
4	86	RH Inner precip casing repairs	2025/12/06 01:36:00	2025/12/08 01:35:00
4	78	High stack emissions	2025/12/08 01:08:00	2025/12/08 07:30:00
4	162	High stack emissions	2025/12/08 07:30:00	2025/12/09 07:30:00
4	167	High stack emissions.	2025/12/09 22:12:00	2025/12/10 00:34:00
4	169	High stack emissions	2025/12/10 18:26:00	2025/12/11 00:00:00
4	69	High stack emissions.	2025/12/12 05:30:00	2025/12/12 10:50:00
4	169	High stack emissions	2025/12/12 10:50:00	2025/12/12 17:02:00
4	119	High stack emissions	2025/12/12 17:02:00	2025/12/13 00:01:00
4	0	Cold Reserve	2025/12/13 23:32:00	2025/12/15 00:01:00
4	50	High stack emissions.	2025/12/16 19:19:00	2025/12/17 04:24:00
4	65	High stack emissions	2025/12/17 18:18:00	2025/12/17 19:17:00
4	115	High stack emissions	2025/12/17 19:17:00	2025/12/18 04:14:00
4	65	E-mill program faulty.	2025/12/18 04:14:00	2025/12/18 06:40:00
4	165	Spinning Reserve	2025/12/18 08:50:00	2025/12/18 17:05:00
4	65	Insufficient cooling oil.	2025/12/18 17:51:00	2025/12/22 10:22:00
4	102	High stack emissions.	2025/12/19 13:43:00	2025/12/19 16:36:00
4	100	High stack emissions.	2025/12/19 23:50:00	2025/12/20 08:02:00
4	120	High stack emissions.	2025/12/20 08:02:00	2025/12/22 06:37:00
4	88	LHO casing repairs.	2025/12/22 16:18:00	2025/12/22 16:31:00
4	98	LHO casing repairs.	2025/12/22 16:31:00	2025/12/22 18:09:00
4	75	LHO precip casing repairs.	2025/12/22 18:09:00	2025/12/26 04:33:00
4	87	High stack emissions.	2025/12/26 03:14:00	2025/12/26 04:33:00
4	162	High stack emissions.	2025/12/26 04:33:00	2025/12/26 15:30:00
4	0	Cold Reserve	2025/12/26 15:30:00	2025/12/31 23:59:59
5	593	Outage	2025/12/01 00:00:00	2025/12/31 23:59:59
6	0	Cold Reserve	2025/12/05 08:51:00	2025/12/07 12:01:00
6	0	Cold Reserve	2025/12/07 12:01:00	2025/12/08 05:08:00
6	0	Cold Reserve	2025/12/23 04:30:00	2025/12/26 11:11:00
6	593	Boiler Tube Leak.	2025/12/26 18:07:00	2025/12/28 23:18:00