



Mr. Mcebo Mkhathshwa
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Date: 29/10/2025

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LRP01PLA000 _0483/2025/10/10

Dear Mr. Mkhathshwa

LETHABO POWER STATION EMISSION MONTHLY REPORT FOR SEPTEMBER 2025

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

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

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

Yours sincerely

pp

Karabo Rakgolela
GENERAL MANAGER

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Eskom Holdings SOC Ltd Reg No 2002/015527/30



Report

Lethabo Power Station

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

Reference number: **LRP01PLA000_0483/2025/10/10**
Document Type: **Report**
Area of Applicability: **Environment**
Report Date: **October-2025**
Classification: **Controlled Disclosure**

Signatures:

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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 Sept-2025
	Coal	Tons	2 000 000	1 137 210
	Fuel Oil	Tons	1 700	1143.240
Production Rates	Product / By-Product Name	Units	Max Production Capacity Permitted	Indicative Production Rate Sept-2025
	Energy	GWh	2 743.200	1 584.270
	Ash	Tons	770 000	407 462.318
	RE Ash	kg/MWh	not specified	0.699

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	0.780
Ash Content	%	<47%	35.830

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)

Associated Unit/Stack	Daily Limit		
	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 Utilization
Unit 1	ESP + SO ₃	99.760%	SO ₃	99.2%
Unit 2	ESP + SO ₃	99.902%	SO ₃	95.0%
Unit 3	ESP + SO ₃	99.874%	SO ₃	99.3%
Unit 4	ESP + SO ₃	99.542%	SO ₃	95.1%
Unit 5	ESP + SO ₃	98.953%	SO ₃	86.9%
Unit 6	ESP + SO ₃	99.904%	SO ₃	98.7%

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	99.7	93.9	94.7	94.6
Unit 2	99.7	93.9	91.5	93.9
Unit 3	100.0	95.0	95.0	94.9
Unit 4	99.2	95.0	95.0	94.9
Unit 5	92.7	98.1	98.1	98.1
Unit 6	99.8	93.5	93.5	93.5

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

6 EMISSION PERFORMANCE

Table 6.1: Monthly tonnages for September 2025

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	207.3	3 318	1 851
Unit 2	37.3	1 864	651
Unit 3	102.0	4 511	1 871
Unit 4	355.9	4 183	1 816
Unit 5	357.7	2 082	653
Unit 6	47.6	2 439	1 018
SUM	1 107.77	18 397	7 861

Table 6.2: PM AEL Daily Compliance - September 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	21	8	0	0	8	106.2
Unit 2	15	0	0	0	0	40.6
Unit 3	30	0	0	0	0	44.4
Unit 4	18	12	0	0	12	214.9
Unit 5	6	9	0	0	9	493.4
Unit 6	17	2	0	0	2	72.1
SUM	107	31	0	0	31	

Table 6.3: SO₂ AEL Daily Compliance - September 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	29	0	0	0	0	1 710.8
Unit 2	20	0	0	0	0	1 723.5
Unit 3	30	0	0	0	0	2 044.5
Unit 4	30	0	0	0	0	2 088.6
Unit 5	15	0	0	0	0	2 226.2
Unit 6	21	0	0	0	0	2 100.9
SUM	145	0	0	0	0	

Table 6.4: NO_x AEL Daily Compliance - September 2025

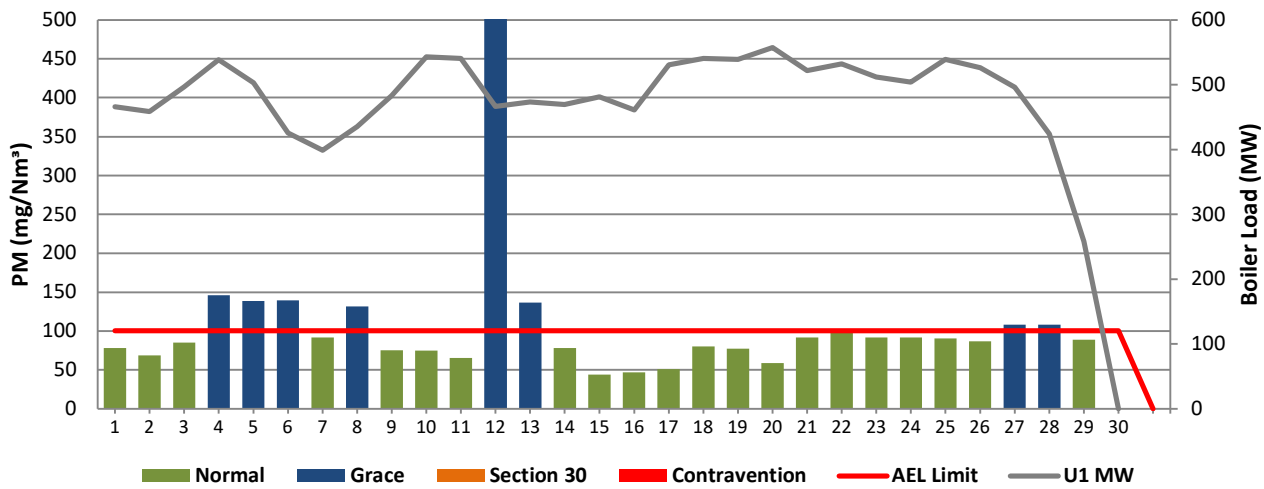
Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm ³)
Unit 1	29	0	0	0	0	950.4
Unit 2	20	0	0	0	0	579.8
Unit 3	30	0	0	0	0	847.0
Unit 4	30	0	0	0	0	898.3
Unit 5	15	0	0	0	0	697.9
Unit 6	21	0	0	0	0	871.0
SUM	145	0	0	0	0	

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

Figure 1: Lethabo Unit 1 PM Emissions - September 2025



Reasons:	
Date	Description
04-Sept	Poor ESP casing performance. Clean rapping brough forward. PF sampling done.
05-Sept	Poor ESP casing performance. Clean rapping done.
06-Sept	Poor ESP casing performance. Test rapping done for 5 mins. Clean rapping done.
08-Sept	Poor ESP casing performance. LHO casing outage.
12-Sept	Poor ESP casing performance. LHI casing outage.
13-Sept	Poor ESP casing performance. LHI casing outage.
27-Sept	Poor ESP casing performance.
28-Sept	Poor ESP casing performance.

Figure 2: Lethabo Unit 2 PM Emissions - September 2025

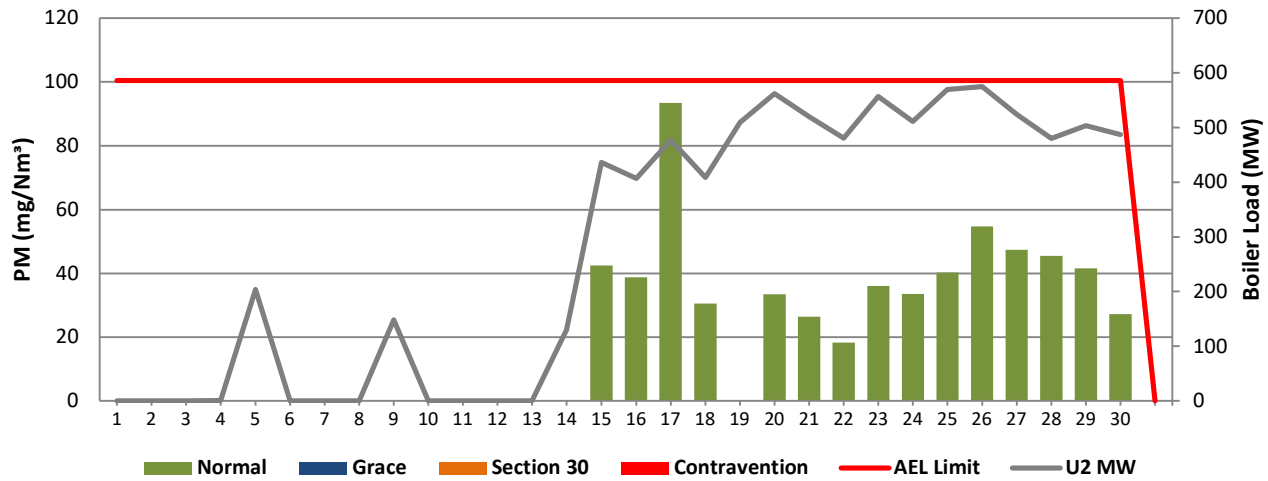


Figure 3: Lethabo Unit 3 PM Emissions - September 2025

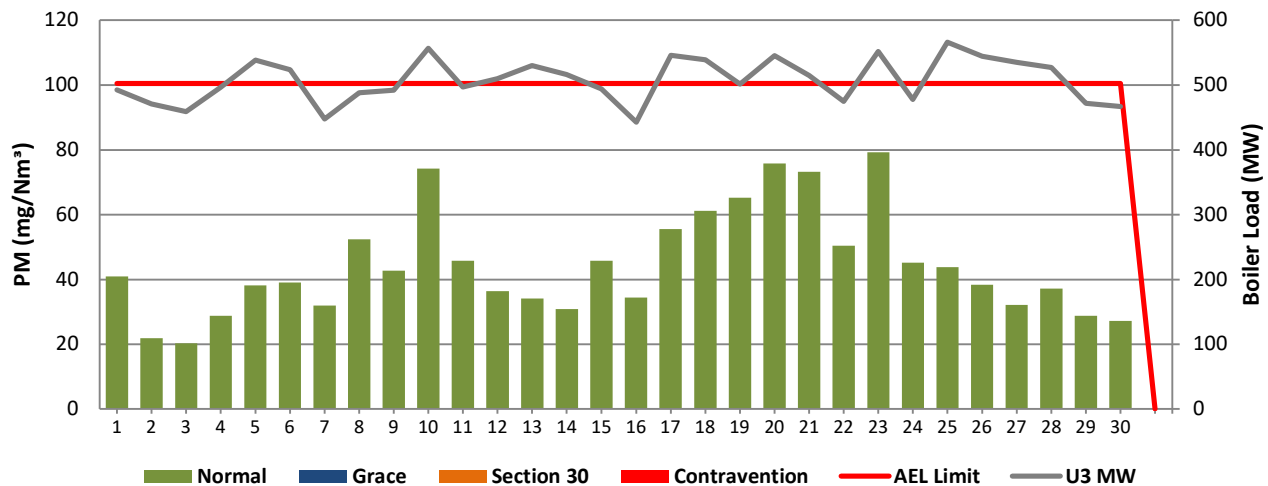
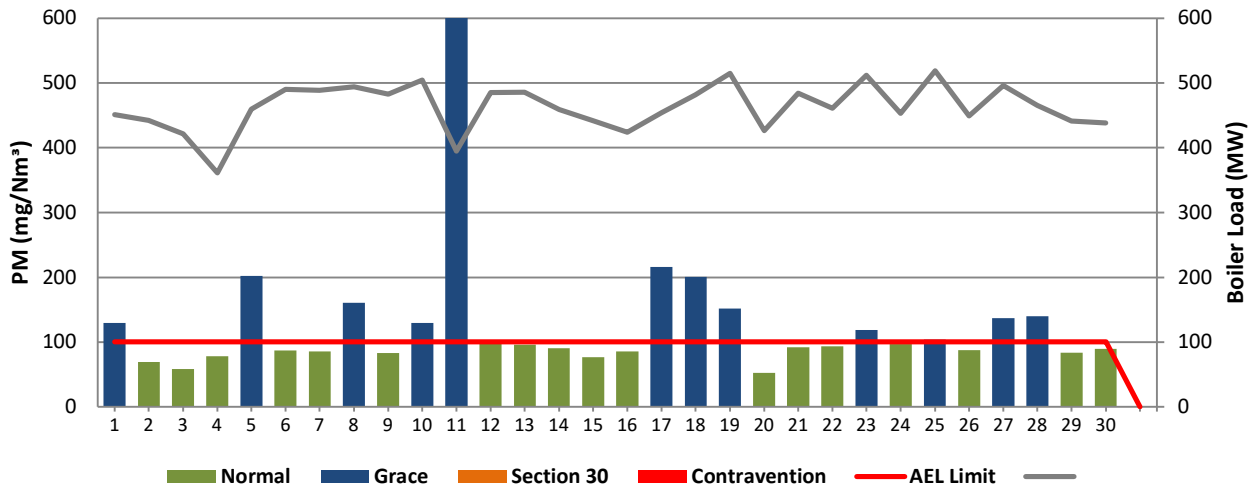


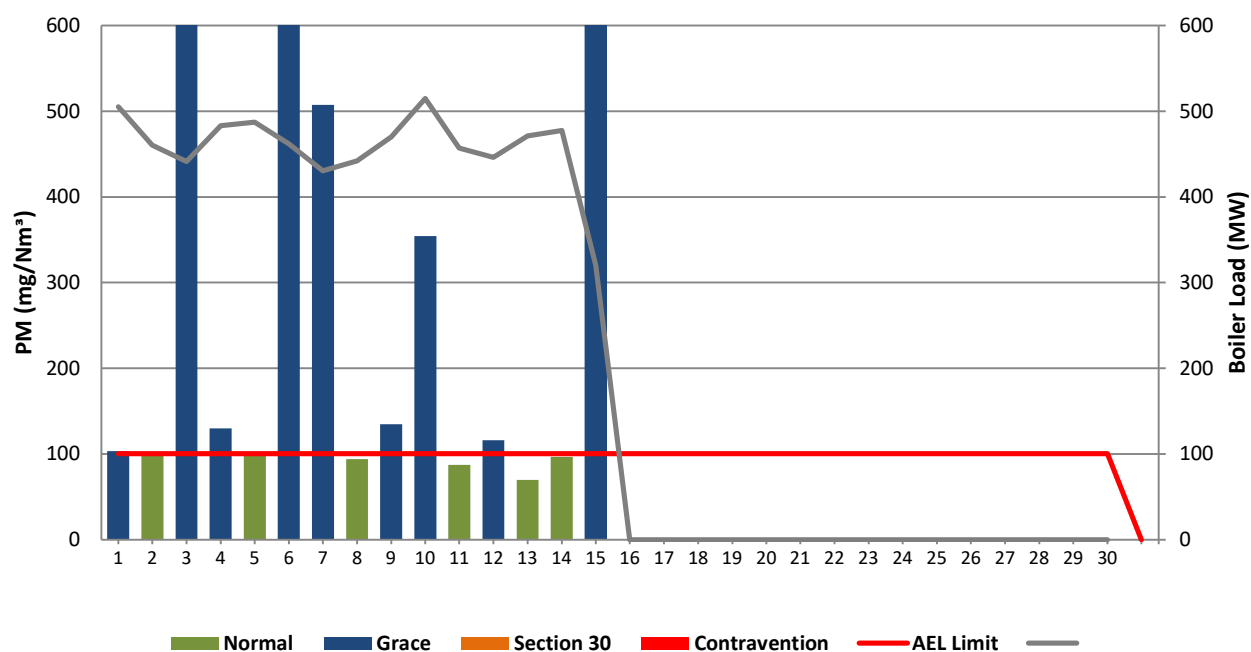
Figure 4: Lethabo Unit 4 PM Emissions - September 2025



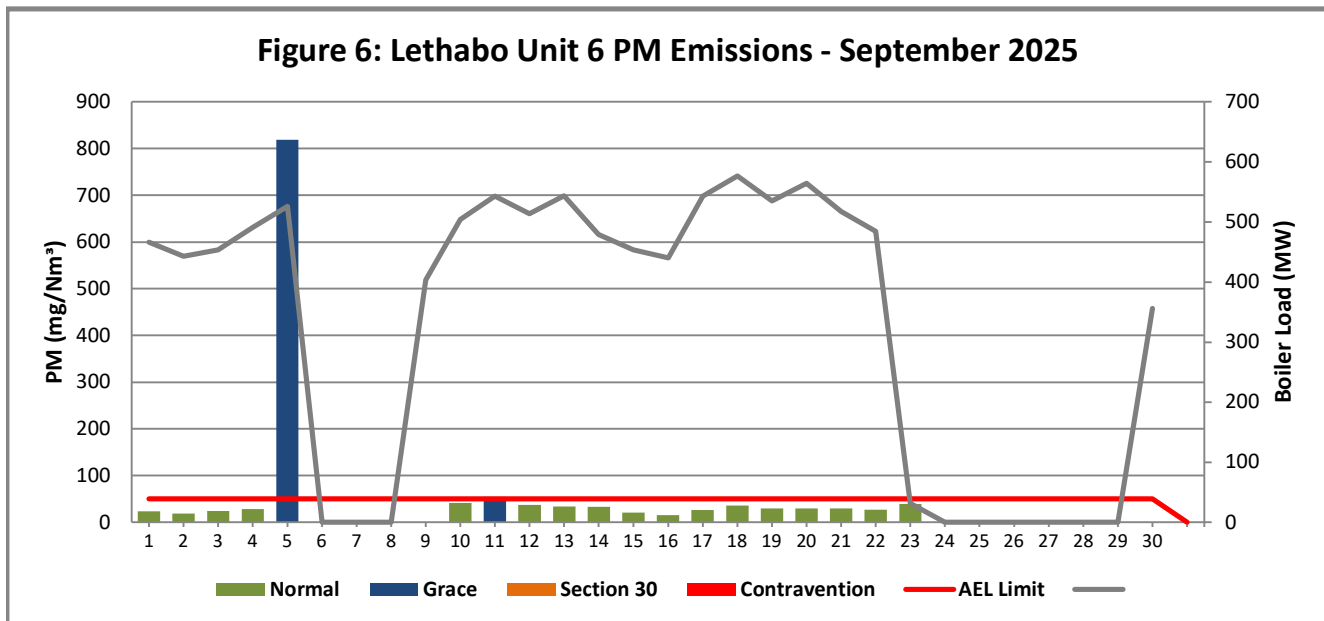
Reasons:	
Date	Description
01-Sept	The unit synchronised on 2025/08/31 @ 15:16, therefore the emissions need to be below the limit 2025/09/03 @ 15:16 and remain below the limit until 2025/09/04
05-Sept	Poor ESP casing performance.
08-Sept	Poor ESP casing performance.
10-Sept	SO3 plant off due to low load. Poor ESP casing performance.
11-Sept	Low load conditions due to 1 x EFP running & BFPT tripped.
17-Sept	Poor ESP casing performance. RHO casing outage.
18-Sept	Poor ESP casing performance. RHO casing outage. Clean rapping done.

19-Sept	Poor ESP casing performance.
23-Sept	Poor ESP casing performance.
25-Sept	Clean rapping done.
27-Sept	Poor ESP casing performance.
28-Sept	Poor ESP casing performance.

Figure 5: Lethabo Unit 5 PM Emissions - September 2025



Reasons:	
Date	Description
01-Sept	Poor ESP casing performance. High hopper levels.
03-Sept	Poor ESP casing performance.
04-Sept	PF sampling at high loads. Manual rapping done.
06-Sept	Poor ESP casing performance. Test rapping done for 20 minutes.
07-Sept	Poor ESP casing performance. Test rapping done.
09-Sept	Sulphur flow issues. Poor ESP casing performance.
10-Sept	Poor ESP casing performance. Test rapping done.
12-Sept	Sulphur flow control manually. Poor ESP casing performance.
15-Sept	Poor ESP casing performance. Boiler tripped through boiler push button for ESP upgrade project commencement.



Reasons:	
Date	Description
05-Sept	Unit 6 shutdown
11-Sept	High hopper levels. Poor ESP casing performance.

Figure 7: Lethabo Unit 1 SO₂ Emissions - September 2025

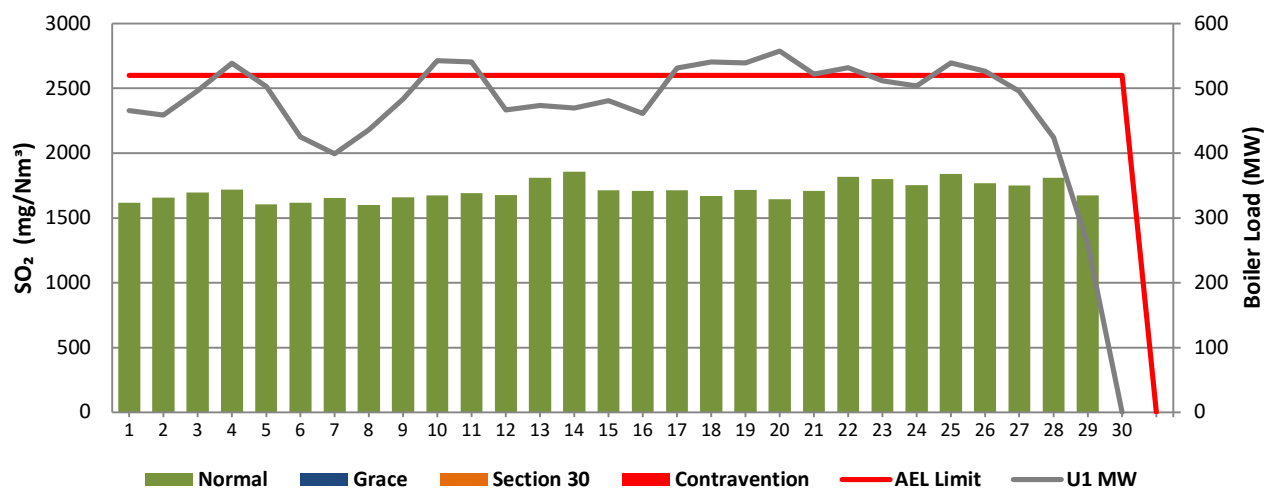


Figure 8: Lethabo Unit 2 SO₂ Emissions - September 2025

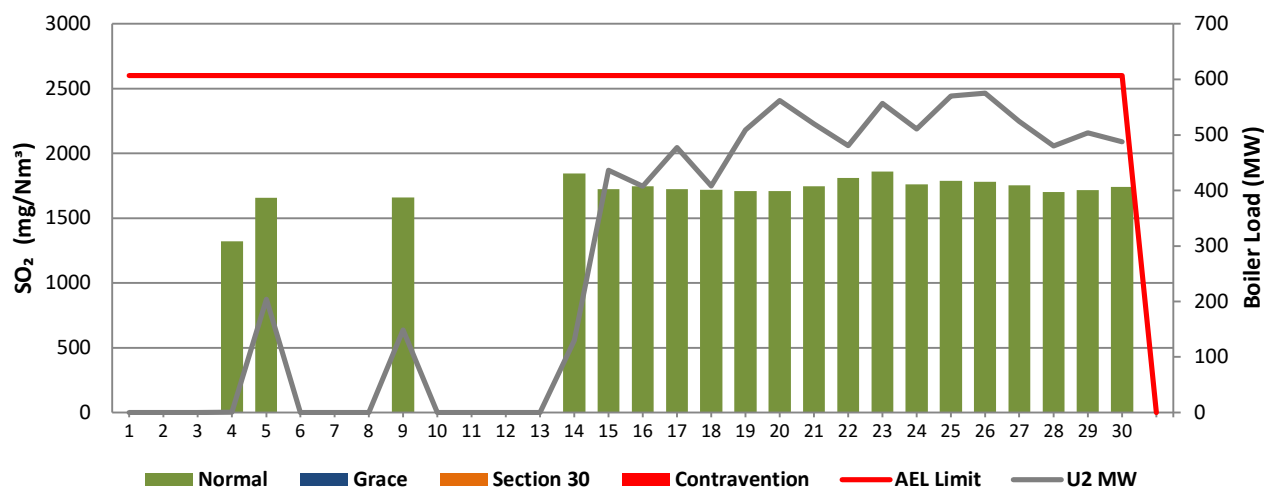


Figure 9: Lethabo Unit 3 SO₂ Emissions - September 2025

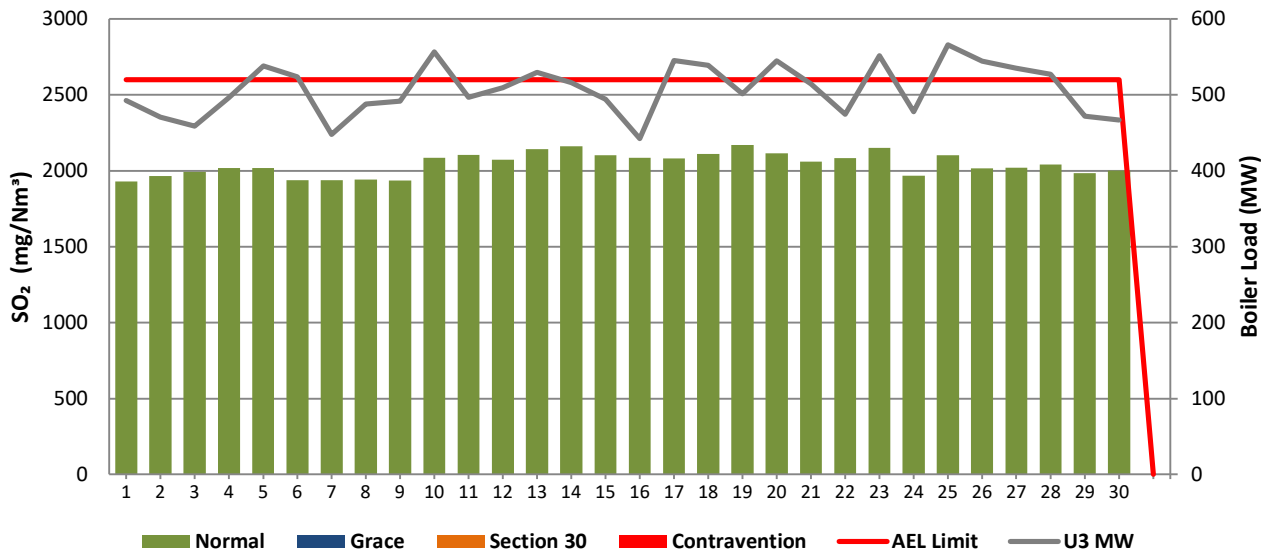


Figure 10: Lethabo Unit 4 SO₂ Emissions - September 2025

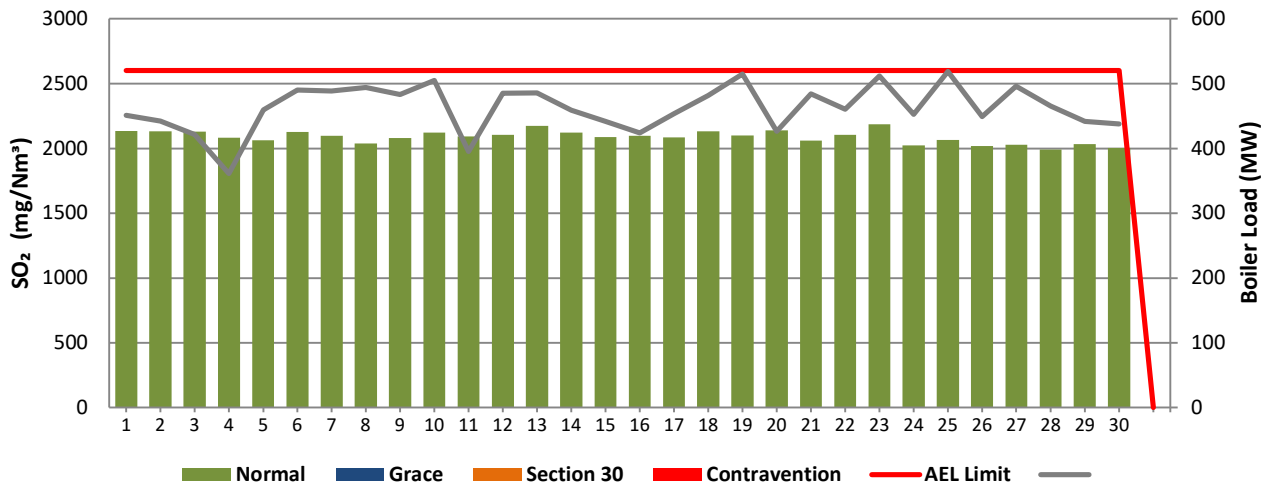


Figure 11: Lethabo Unit 5 SO₂ Emissions - September 2025

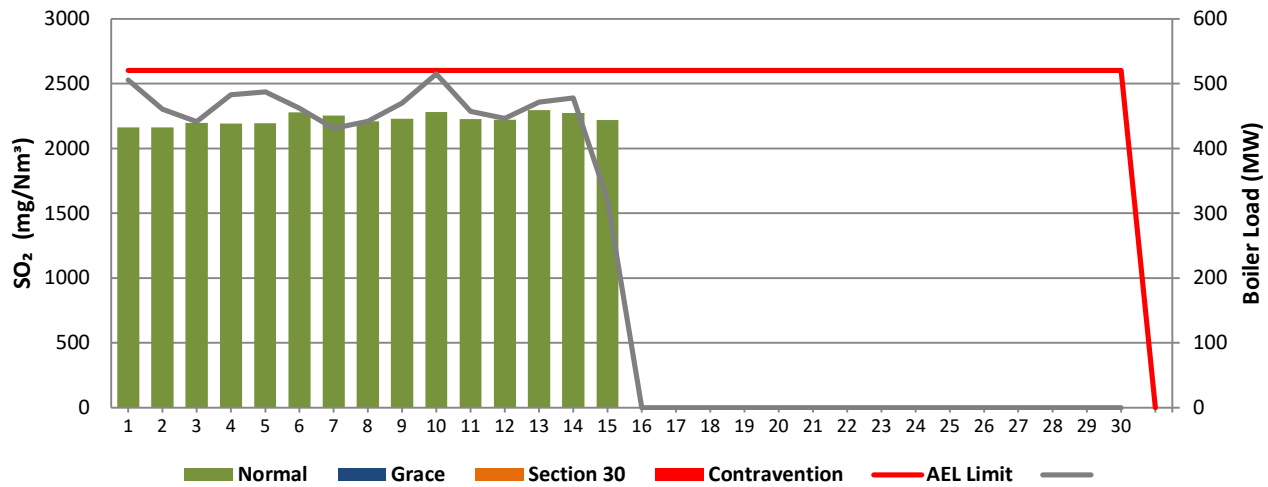


Figure 12: Lethabo Unit 6 SO₂ Emissions - September 2025

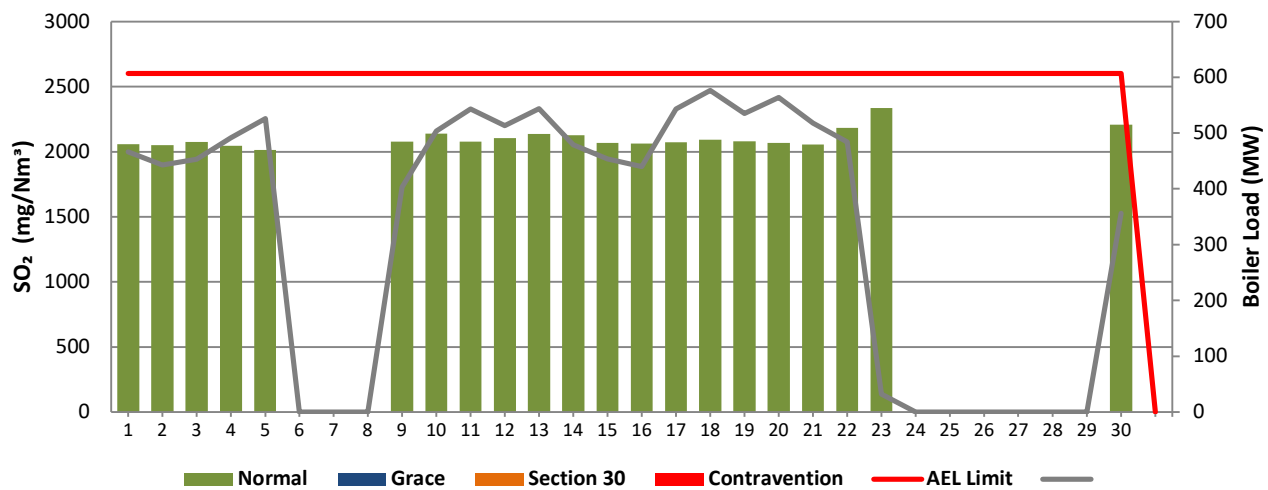


Figure 13: Lethabo Unit 1 NO_x Emissions - September 2025

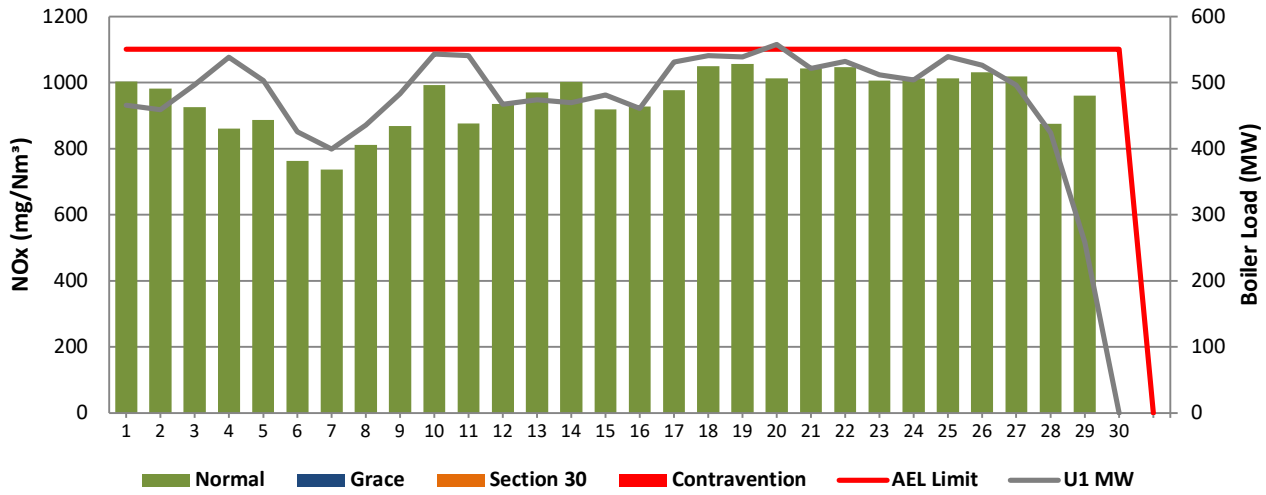


Figure 14: Lethabo Unit 2 NO_x Emissions - September 2025

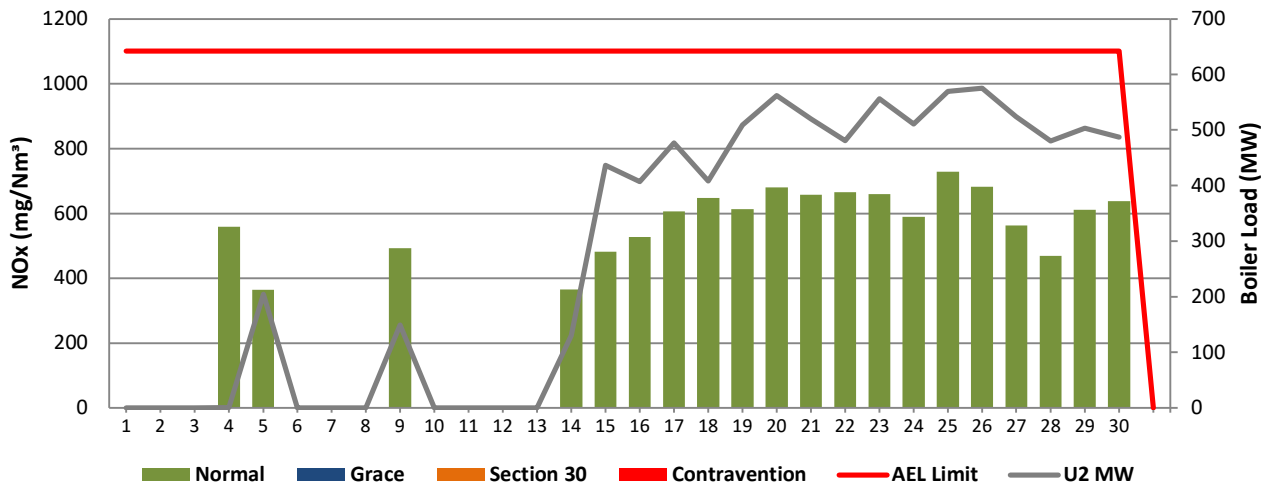


Figure 15: Lethabo Unit 3 NO_x Emissions - September 2025

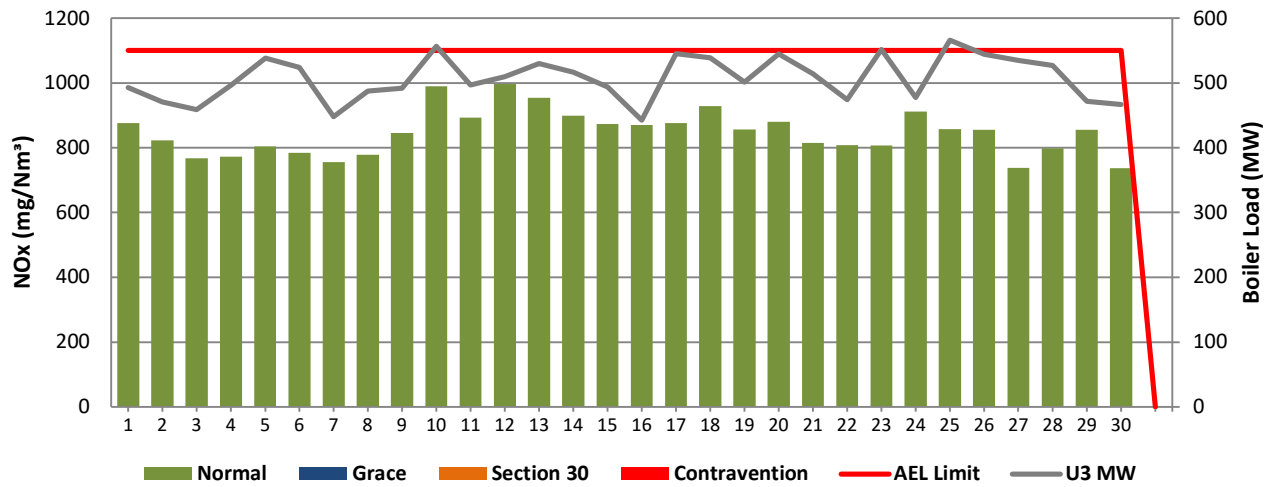


Figure 16: Lethabo Unit 4 NO_x Emissions - September 2025

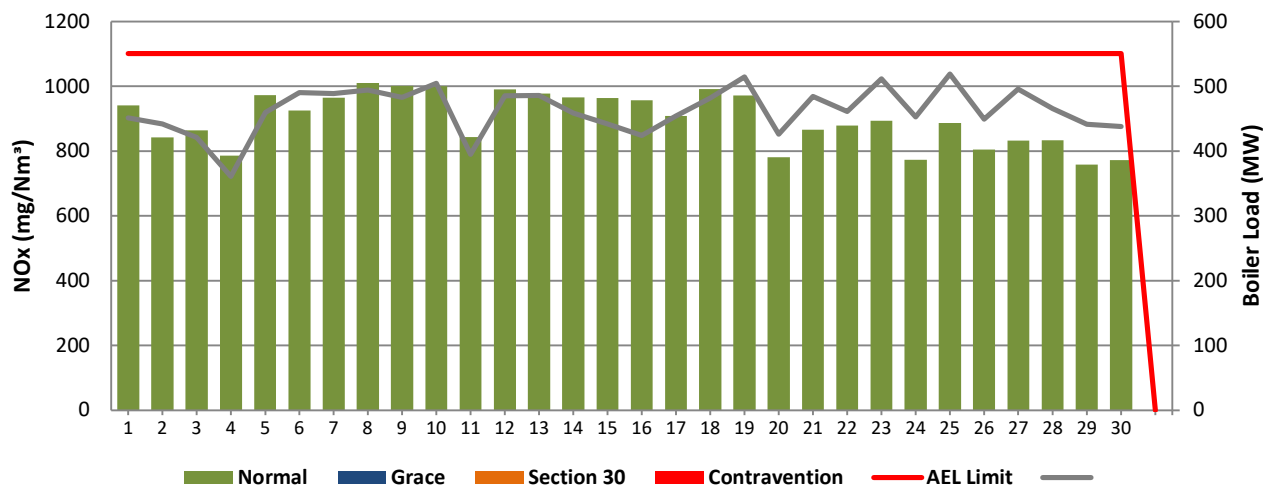


Figure 17: Lethabo Unit 5 NO_x Emissions - September 2025

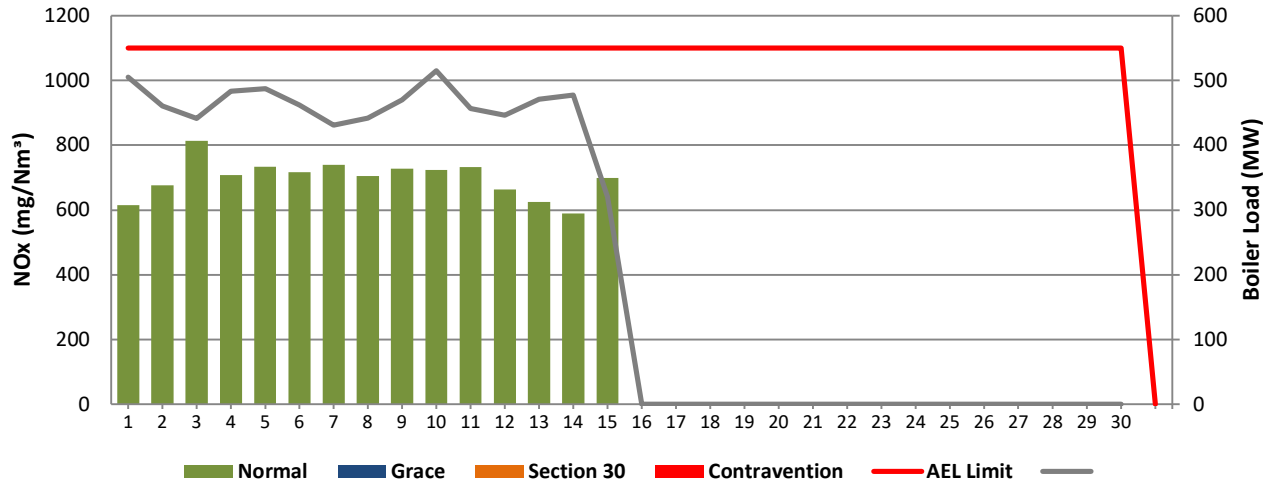
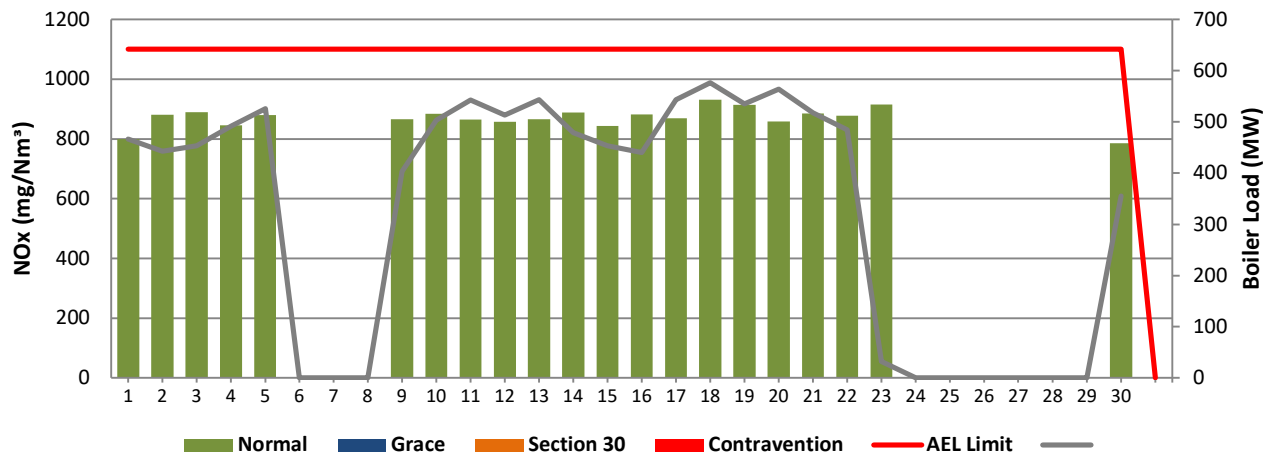


Figure 18: Lethabo Unit 6 NO_x Emissions - September 2025



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

See Events sheet

8. MAINTENANCE

Unit 1				
Beginning of	2025/09/08 00:04:00	2025/09/12 00:00:00		
Reason for Maintenance	LHO casing repairs.	LHI casing repairs.		
End (Time):	2025/09/09 12:39:00	2025/09/14 23:55:00		
Duration	12:35:00	71:55:00		

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

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

Unit 4				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

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

Unit 6				
Beginning of	2025/09/17 00:00:00	2025/09/17 14:12:00		
Reason for Maintenance	RHO casing repairs	RHO casing repairs		
End (Time):	2025/09/17 14:12:00	2025/09/17 23:52:00		
Duration	14:12:00	9:40:00		

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

05-06/09/2025: PM monitor Reliability low due to monitor max out.

Unit 1, 2, 3, 4 & 6: Gaseous Monitor Reliability

16 - 17/09/2025: Gaseous monitor reliability low due to server issues.

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.

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 Acknowledgment	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
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	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	0.00	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

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-Sept	78		41	129	103	24	100	50
02-Sept	69		22	69	100	18	100	50
03-Sept	85		20	58	1471	24	100	50
04-Sept	146		29	78	130	28	100	50
05-Sept	139		38	202	99	819	100	50
06-Sept	139		39	87	1041		100	50
07-Sept	92		32	86	508		100	50
08-Sept	132		52	161	94		100	50
09-Sept	75		43	83	135		100	50
10-Sept	75		74	130	354	42	100	50
11-Sept	65		46	3250	87	55	100	50
12-Sept	558		36	99	116	37	100	50
13-Sept	136		34	96	70	34	100	50
14-Sept	78		31	91	96	33	100	50
15-Sept	44	42	46	77	2996	21	100	50
16-Sept	47	39	34	86		16	100	50
17-Sept	51	93	56	216		26	100	50
18-Sept	80	31	61	201		36	100	50
19-Sept	77		65	151		30	100	50
20-Sept	59	34	76	53		30	100	50
21-Sept	92	26	73	92		30	100	50
22-Sept	97	18	50	94		27	100	50
23-Sept	91	36	79	119		39	100	50
24-Sept	92	34	45	97			100	50
25-Sept	90	40	44	104			100	50
26-Sept	87	55	38	88			100	50
27-Sept	108	47	32	137			100	50
28-Sept	108	45	37	140			100	50
29-Sept	89	42	29	84			100	50
30-Sept		27	27	89			100	50

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final SOx Concentration (mg/Nm³)							
Date	U1	U2	U3	U4	U5	U6	Limit
01-Sept	1618		1930	2134	2163	2056	2600
02-Sept	1658		1966	2131	2163	2050	2600
03-Sept	1697		1993	2129	2196	2077	2600
04-Sept	1717	1322	2020	2084	2192	2046	2600
05-Sept	1603	1657	2020	2062	2195	2012	2600
06-Sept	1619		1938	2128	2278		2600
07-Sept	1656		1938	2097	2254		2600
08-Sept	1599		1941	2039	2208		2600
09-Sept	1660	1660	1935	2081	2229	2077	2600
10-Sept	1673		2086	2123	2282	2139	2600
11-Sept	1690		2103	2093	2228	2078	2600
12-Sept	1676		2072	2105	2220	2104	2600
13-Sept	1812		2141	2174	2293	2137	2600
14-Sept	1857	1845	2162	2122	2273	2127	2600
15-Sept	1713	1724	2102	2088	2218	2066	2600
16-Sept	1708	1745	2086	2097		2062	2600
17-Sept	1712	1724	2080	2085		2073	2600
18-Sept	1669	1720	2110	2132		2091	2600
19-Sept	1714	1710	2169	2100		2081	2600
20-Sept	1643	1707	2117	2139		2067	2600
21-Sept	1708	1744	2060	2059		2055	2600
22-Sept	1818	1809	2084	2103		2182	2600
23-Sept	1799	1858	2152	2187		2334	2600
24-Sept	1752	1761	1966	2024			2600
25-Sept	1839	1790	2102	2064			2600
26-Sept	1768	1779	2016	2019			2600
27-Sept	1750	1754	2021	2028			2600
28-Sept	1811	1702	2040	1991			2600
29-Sept	1674	1718	1985	2035			2600
30-Sept		1740	2001	2004		2206	2600

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final NOx Concentration (mg/Nm³)							
Date	U1	U2	U3	U4	U5	U6	Limit
01-Sept	1003		876	941	615	800	1100
02-Sept	983		823	842	677	881	1100
03-Sept	926		767	863	813	889	1100
04-Sept	861	559	773	785	708	846	1100
05-Sept	886	364	804	973	733	881	1100
06-Sept	762		784	925	717		1100
07-Sept	736		755	965	739		1100
08-Sept	811		779	1011	705		1100
09-Sept	869	493	846	1001	728	867	1100
10-Sept	992		990	1000	724	885	1100
11-Sept	877		893	844	733	866	1100
12-Sept	935		997	990	664	857	1100
13-Sept	970		954	978	625	866	1100
14-Sept	1003	365	899	966	589	888	1100
15-Sept	919	481	873	964	699	844	1100
16-Sept	927	527	871	957		883	1100
17-Sept	977	606	876	908		869	1100
18-Sept	1050	648	929	992		932	1100
19-Sept	1056	612	856	971		914	1100
20-Sept	1013	680	881	781		859	1100
21-Sept	1043	657	815	866		886	1100
22-Sept	1047	666	808	878		877	1100
23-Sept	1006	659	807	893		915	1100
24-Sept	1012	589	912	773			1100
25-Sept	1014	729	858	887			1100
26-Sept	1031	682	856	804			1100
27-Sept	1018	563	738	832			1100
28-Sept	875	469	798	833			1100
29-Sept	961	610	855	758			1100
30-Sept		637	736	772		785	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
Sept-24	98.55%	1.7	99.84%	0.2	100.00%	0.0	99.12%	1.1	99.16%	1.0	100.00%	0.00%
Oct-24	99.19%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	97.67%	2.9	100.00%	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%	1.3	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%	0.0
Jul-25	97.94%	2.6	100.00%	0.0	100.00%	0.0	100.00%	0.0	98.41%	2.0	100.00%	0.0
Aug-25	97.72%	2.8	100.00%	0.0	99.62%	0.5	99.33%	0.8	98.18%	2.3	100.00%	0.0
Sept-25	96.23%	4.5	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	99.17%	1.0

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
Sept-24	100.00%	0.0	89.45%	3.2	99.33%	0.2	99.84%	0.0	99.58%	0.1	99.92%	2.45%
Oct-24	99.85%	0.0	95.65%	1.3	Off-line	Off-line	98.92%	0.3	93.82%	1.9	99.59%	12.62%
Nov-24	99.99%	0.00	96.60%	1.02	Off-line	Off-line	99.17%	0.25	97.46%	0.76	99.21%	23.75%
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%	0.2
Jul-25	99.87%	0.0	Off-line	Offline	99.06%	0.29	100.00%	0.0	98.79%	0.4	66.67%	10.3
Aug-25	99.73%	0.1	Off-line	Offline	96.41%	1.11	98.87%	0.4	99.87%	0.0	98.06%	0.6
Sept-25	99.17%	0.2	94.99%	1.5	99.31%	0.21	95.14%	1.5	86.85%	3.9	98.73%	0.4

ADDENDUM TO MONTHLY EMISSIONS REPORT

Particulate Emission Monitors

Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
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%	99%	OFF	99%	94%	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	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%

Gaseous Emission Monitors

Availability												
Month	Unit 1		Unit 2		Unit 3		Unit 4		Unit 5		Unit 6	
	SOx	NOx	SOx	NOx	SOx	NOx	SOx	NOx	SOx	NOx	SOx	NOx
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%	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%

Oxygen Monitor Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
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	97.27%	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%

ADDENDUM TO MONTHLY EMISSIONS REPORT

14. EFFICIENCY

ESP Efficiency (%)						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Sept-24	99.789%	99.660%	99.775%	99.644%	99.675%	99.896%
Oct-24	99.866%	99.716%	Unit Off	99.669%	99.637%	99.856%
Nov-24	99.84%	99.78%	Unit Off	99.51%	99.66%	99.888%
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%

15. REMARKS

UNIT	MWLOSS	REASON	ACTUALSTARTDATE	ACTUALENDDATE
1	90	High stack emissions	2025/09/05 17:24:00	2025/09/06 07:07:00
1	190	High stack emissions	2025/09/06 07:07:00	2025/09/06 12:30:00
1	209	High stack emissions	2025/09/06 12:30:00	2025/09/06 13:03:00
1	190	High stack emissions	2025/09/06 13:03:00	2025/09/06 22:00:00
1	190	High stack emissions	2025/09/07 14:44:00	2025/09/08 00:04:00
1	90	LHO casing	2025/09/08 00:04:00	2025/09/09 12:39:00
1	90	LHI Precips Casing rapper bars repairs (Casing not performing).	2025/09/12 00:00:00	2025/09/14 23:55:00
1	190	High stack emissions.	2025/09/27 20:00:00	2025/09/27 20:15:00
1	593	CW leaks repairs	2025/09/29 15:25:00	2025/09/30 23:59:59
2	593	Boiler tube leak repairs	2025/09/01 00:00:00	2025/09/04 23:49:00
2	329	RH FD Fan defective	2025/09/05 02:49:00	2025/09/05 03:47:00
2	593	LH PA Fan tripped on bearing temp high	2025/09/05 03:47:00	2025/09/05 06:34:00
2	374	ESO and SO3 plant optimization	2025/09/05 08:04:00	2025/09/05 22:28:00
2	593	Boiler tube leak repairs	2025/09/05 22:28:00	2025/09/08 08:50:00
2	232	FFP A tripped	2025/09/09 15:31:00	2025/09/09 15:35:00
2	218	FFP A tripped	2025/09/09 15:35:00	2025/09/09 16:41:00
2	335	FFP A tripped	2025/09/09 16:41:00	2025/09/09 18:26:00
2	593	Boiler Tube leak.	2025/09/09 22:12:00	2025/09/13 14:52:00
2	291	A,C&F mills not available.	2025/09/14 18:30:00	2025/09/14 22:01:00
2	593	FFP A tripped	2025/09/18 19:19:00	2025/09/19 00:59:00
2	343	FFP A tripped	2025/09/21 07:16:00	2025/09/21 09:02:00
4	268	A EFP faulty.	2025/09/04 13:04:00	2025/09/05 03:43:00
4	259	Left Hand draught group tripped.	2025/09/10 10:50:00	2025/09/10 11:16:00
4	169	LH draught group tripped recovery.	2025/09/10 11:16:00	2025/09/10 12:03:00
4	246	A EFP main pump leaking.	2025/09/11 04:50:00	2025/09/11 16:26:00
4	40	RH Outer precip casing repairs	2025/09/17 00:00:00	2025/09/17 14:12:00
4	66	RH Outer precip casing repairs	2025/09/17 14:12:00	2025/09/17 23:52:00
4	140	High stack emissions	2025/09/20 00:08:00	2025/09/20 14:14:00
4	90	EF:High stack emissions	2025/09/20 14:14:00	2025/09/20 22:03:00
4	38	High stack emissions	2025/09/24 18:39:00	2025/09/25 03:01:00
4	140	High stack emissions.	2025/09/26 11:46:00	2025/09/26 19:00:00
4	140	High stack emissions.	2025/09/28 08:09:00	2025/09/28 09:57:00
5	187	For high stack emissions	2025/09/05 20:08:00	2025/09/06 03:20:00
5	177	For high stack emissions	2025/09/06 03:20:00	2025/09/06 11:18:00
5	90	High stack emissions.	2025/09/06 11:18:00	2025/09/06 16:55:00
5	81	High stack emissions	2025/09/08 17:15:00	2025/09/09 00:15:00
5	90	High stack emissions	2025/09/11 16:52:00	2025/09/11 18:04:00
5	189	High stack emissions	2025/09/11 18:04:00	2025/09/12 01:15:00
5	188	EF:High stack emissions	2025/09/12 19:24:00	2025/09/13 01:08:00
5	593	Outage	2025/09/20 14:00:00	2025/09/30 23:59:59
6	593	Main Turbine over speed trip test.	2025/09/05 23:42:00	2025/09/06 05:01:00
6	593	Main Turbine faulty speed prob	2025/09/06 05:01:00	2025/09/08 06:40:00
6	297	System Generated Ramp Event for Event id : 2100616 First Outage	2025/09/09 02:52:00	2025/09/09 04:22:00
6	297	System Generated Ramp Event for Event id : 2100666	2025/09/09 04:22:00	2025/09/09 05:52:00
6	593	Unit tripped on turbine chanel one protection operation due to one mill operati	2025/09/23 01:14:00	2025/09/23 06:00:00
6	593	Turbine speed probe replacement	2025/09/23 06:00:00	2025/09/29 04:00:00