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Date: 28 March 2022

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LRP01PLA000 _0289/20220316

Dear Mr. Sibaya

LETHABO POWER STATION EMISSION MONTHLY REPORT FOR FEBRUARY 2022

Please find attached Lethabo Power Station emission report for the month of February 2022.

Also attached are the Ambient Air Quality Monitoring Report, Complaints Register and the Fugitive Dust Fallout Monitoring Report for February 2022.

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

Yours sincerely

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
February 2022
Emission Report**

Reference number: **LRP01PLA000_0289/20220316**
Document Type: **Report**
Area of Applicability: **Environment**
Report Date: **March-2022**
Classification: **Controlled Disclosure**

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LETHABO POWER STATION MONTHLY EMISSIONS REPORT

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1. RAW MATERIALS AND PRODUCTS

Raw Materials and Products	Raw Material Type	Units	Maximum Permitted Consumption Rate	Consumption Rate Feb-2022
	Coal	Tons	2 000 000	1 277 159
	Fuel Oil	Tons	1 700	1645.04

Production Rates	Product / By-Product Name	Units	Maximum Production Capacity Permitted	Production Rate Feb-2022
	Energy	GWh	2560.32	1 793.68
	Ash	Tons	770 000	505 627.1
	RE Ash	kg/MWh	not specified	281.89

2. ENERGY SOURCE CHARACTERISTICS

Coal Characteristic	Units	Stipulated Range	Monthly Average Content
Sulphur Content	%	0.656 (Standard)	0.550
Ash Content	%	37.37 (Standard)	39.590

*Please note the "standard" is not necessary a limit, but merely a optimum indication, it will fluctuate as the coal quality changes. The Stipulated Range are the Station acceptance test values.

3. EMISSION LIMITS (mg/Nm³)

Associated Unit/Stack	PM	SO _x	NO _x
Unit 1	100	3500	1100
Unit 2	100	3500	1100
Unit 3	100	3500	1100
Unit 4	100	3500	1100
Unit 5	100	3500	1100
Unit 6	100	3500	1100

4. ABATEMENT TECHNOLOGY (%)

Associated Unit/Stack	Technology Type	Efficiency Feb-2022
Unit 1	<i>Electrostatic Precipitator (ESP)</i>	99.82%
Unit 2	<i>Electrostatic Precipitator (ESP)</i>	99.56%
Unit 3	<i>Electrostatic Precipitator (ESP)</i>	99.74%
Unit 4	<i>Electrostatic Precipitator (ESP)</i>	99.82%
Unit 5	<i>Electrostatic Precipitator (ESP)</i>	99.84%
Unit 6	<i>Electrostatic Precipitator (ESP)</i>	99.75%

5. MONITOR RELIABILITY (%)

Associated Unit/Stack	PM	SO ₂	NO	CO ₂
Unit 1	98.3	100.0	100.0	99.8
Unit 2	95.6	100.0	100.0	98.4
Unit 3	99.7	99.8	100.0	98.7
Unit 4	100.0	99.4	99.4	99.3
Unit 5	99.9	99.3	99.4	99.3
Unit 6	99.4	99.6	99.6	99.3

6. EMISSION PERFORMANCE

Table 6.1: Monthly tonnages for the month of February 2022

Associated Unit/Stack	PM (tons)	SO ₂ (tons)	NO _x (tons)
Unit 1	106.8	1 635	913
Unit 2	203.9	1 948	890
Unit 3	221.3	3 400	1 715
Unit 4	158.6	3 679	1 682
Unit 5	135.3	2 657	1 187
Unit 6	223.1	3 709	1 710
SUM	1 049.1	17 027	8 098

Table 6.2: Operating days in compliance to PM AEL Limit - February 2022

Associated Unit/Stack	Normal	Grace	Section 30	Contra-vention	Total Exceedance	Average PM (mg/Nm ³)
Unit 1	9	8	0	0	8	119.3
Unit 2	2	8	5	0	13	240.1
Unit 3	11	15	0	0	15	121.8
Unit 4	24	3	1	0	4	80.6
Unit 5	23	4	1	0	5	90.6
Unit 6	10	17	1	0	18	129.3
SUM	79	55	8	0	63	

Table 6.3: Operating days in compliance to SO_x AEL Limit - February 2022

Associated Unit/Stack	Normal	Grace	Section 30	Contra-vention	Total Exceedance	Average SO _x (mg/Nm ³)
Unit 1	19	0	0	0	0	1 718.1
Unit 2	16	0	0	0	0	1 957.9
Unit 3	27	0	0	0	0	1 857.5
Unit 4	28	0	0	0	0	1 862.4
Unit 5	28	0	0	0	0	1 777.5
Unit 6	28	0	0	0	0	2 161.5
SUM	146	0	0	0	0	

Table 6.4: Operating days in compliance to NOx AEL Limit - February 2022

Associated Unit/Stack	Normal	Grace	Section 30	Contra-vention	Total Exceedance	Average NOx (mg/Nm ³)
Unit 1	19	0	0	0	0	934.4
Unit 2	16	0	0	0	0	853.7
Unit 3	27	0	0	0	0	927.8
Unit 4	28	0	0	0	0	847.2
Unit 5	28	0	0	0	0	794.4
Unit 6	25	0	0	3	3	994.1
SUM	143	0	0	3	3	

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
Contra-vention	RED	Emissions above ELV but outside grace or S30 incident conditions

Figure 1: Lethabo Unit 1 PM Emissions - February 2022

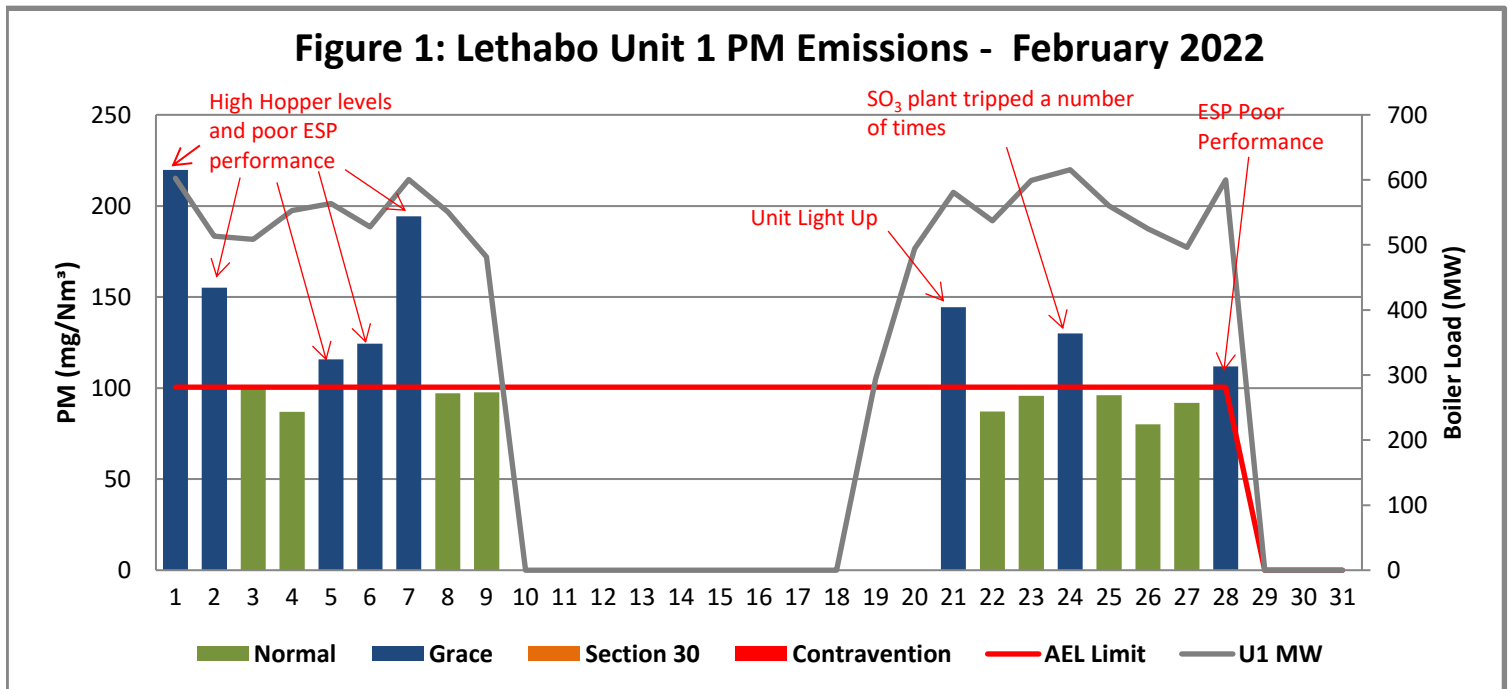


Figure 2: Lethabo Unit 2 PM Emissions - February 2022

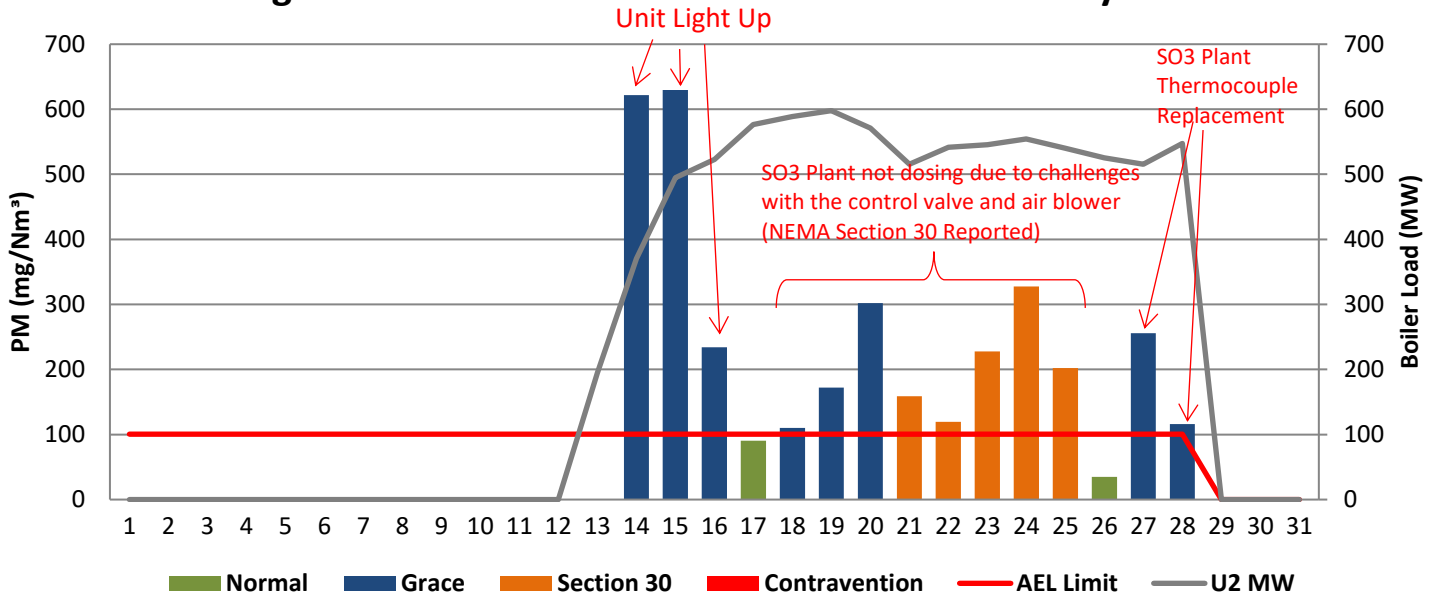


Figure 3: Lethabo Unit 3 PM Emissions - February 2022

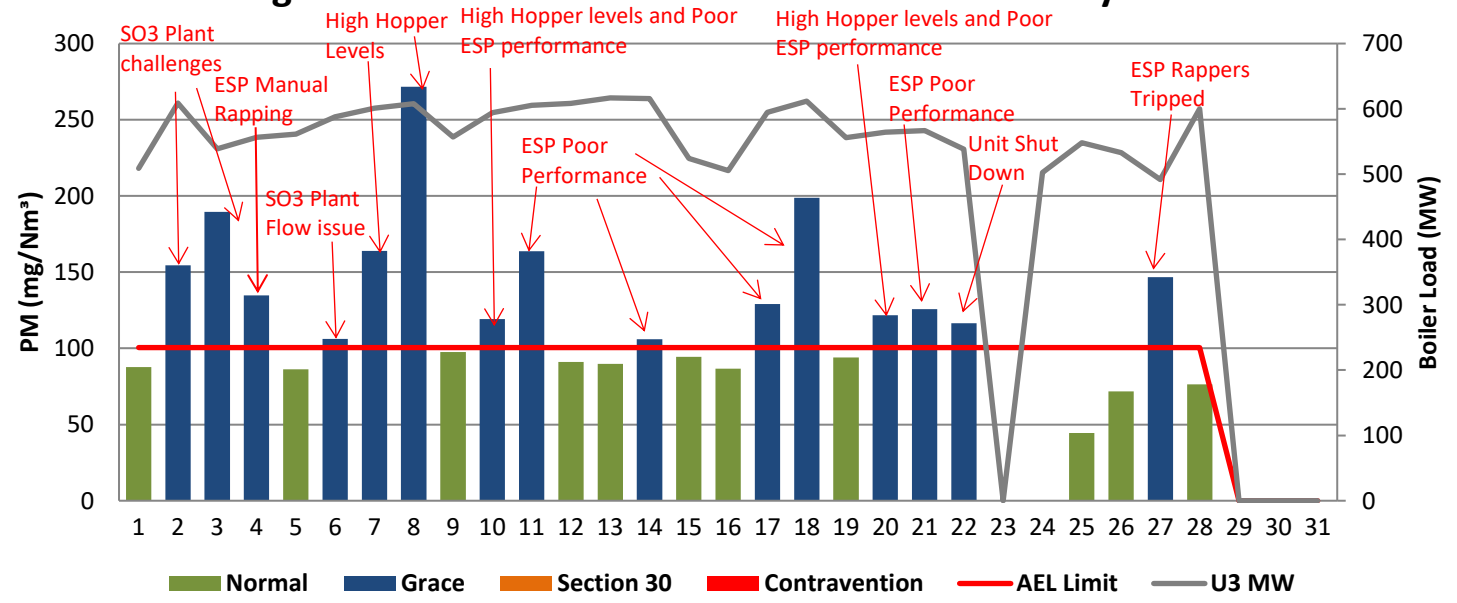


Figure 4: Lethabo Unit 4 PM Emissions - February 2022

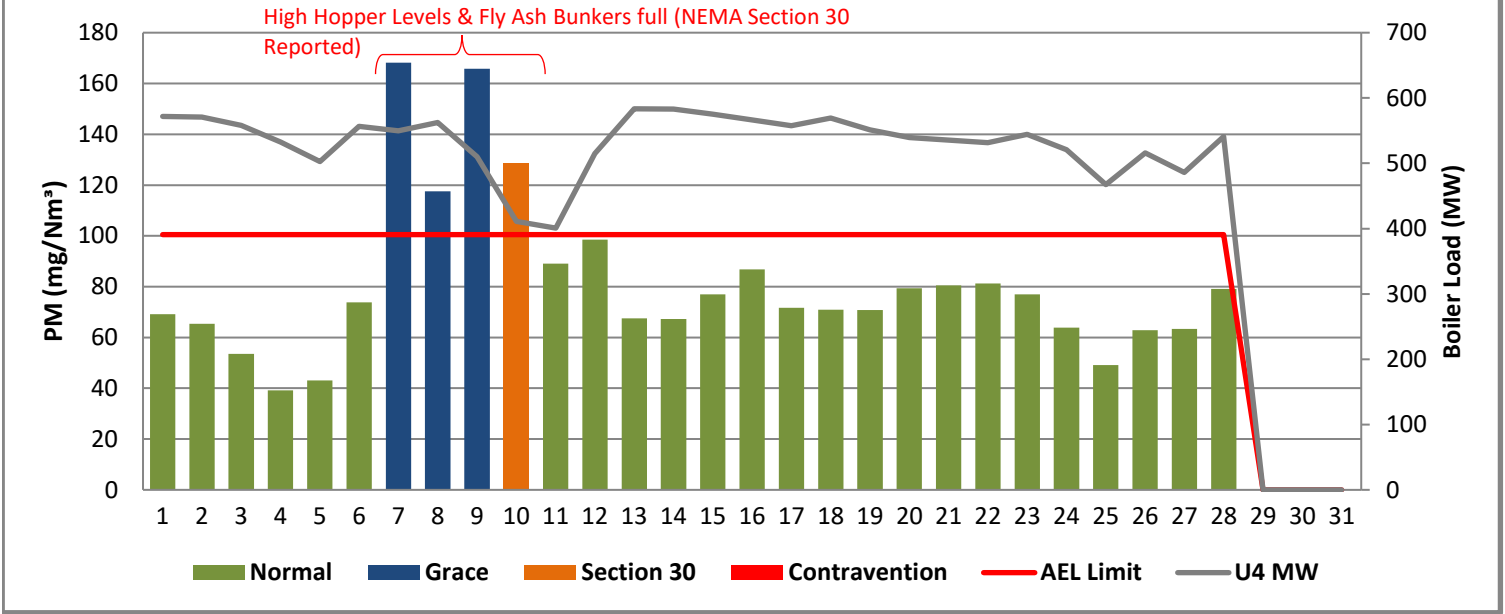


Figure 5: Lethabo Unit 5 PM Emissions - February 2022

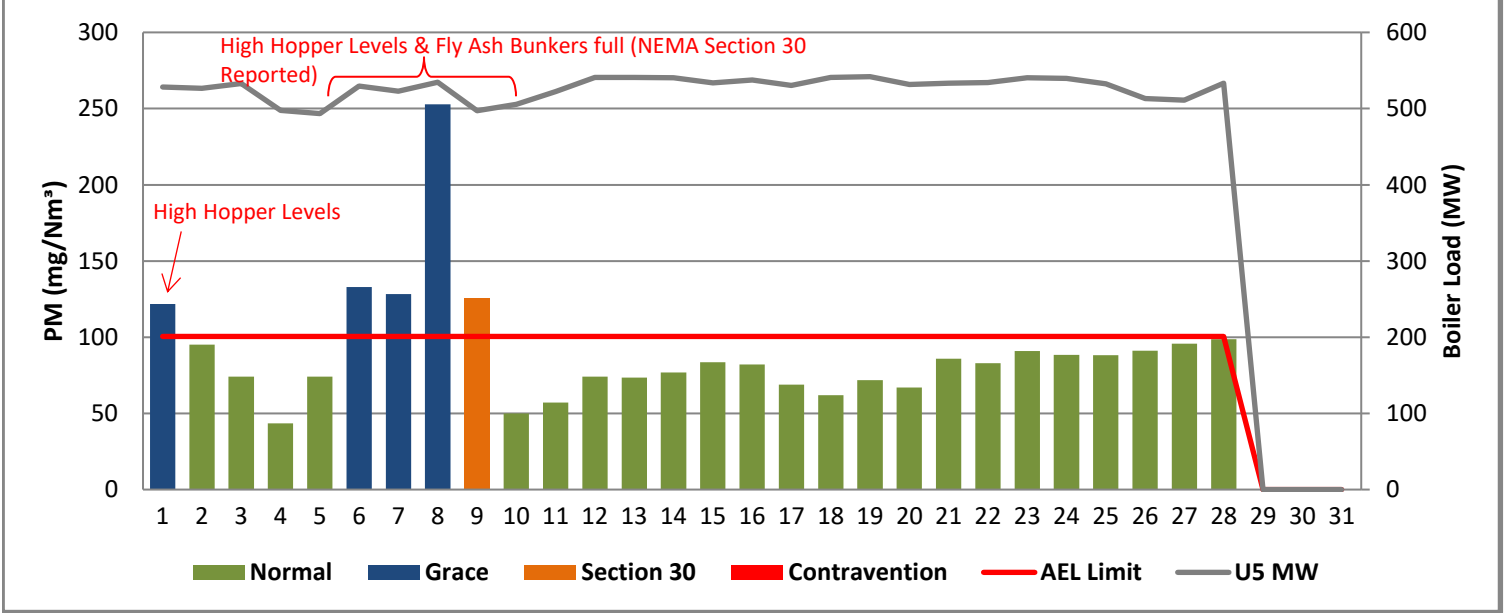


Figure 6: Lethabo Unit 6 PM Emissions - February 2022

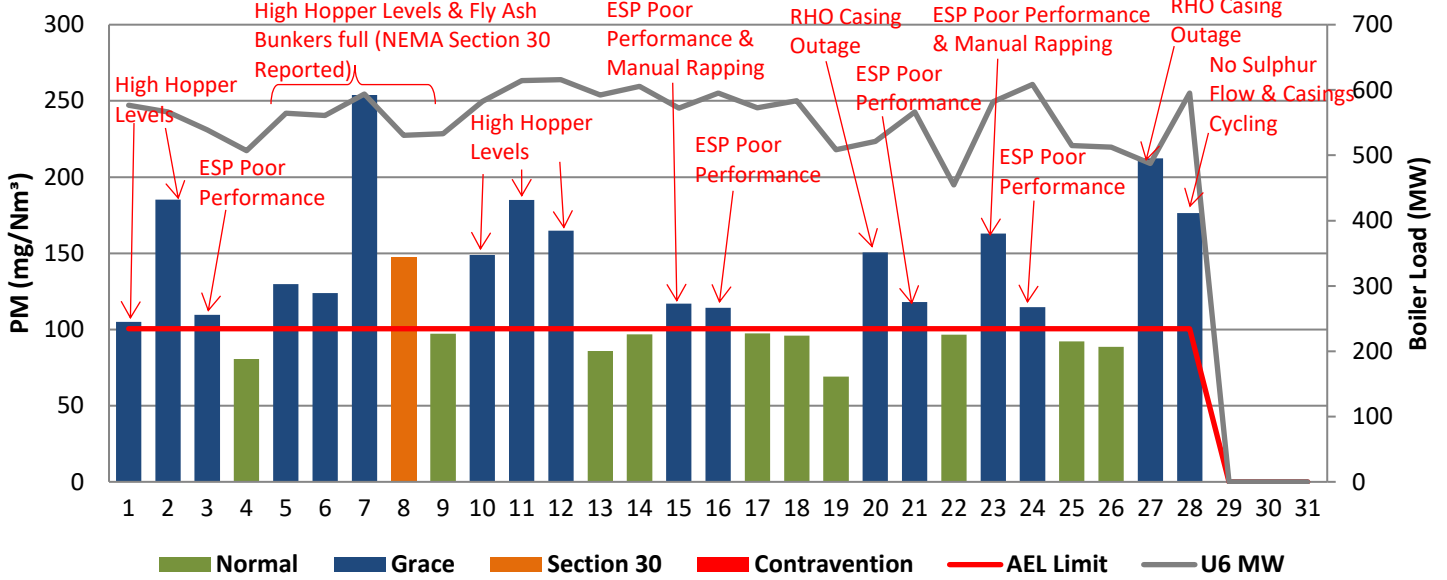


Figure 7: Lethabo Unit 1 SOx Emissions - February 2022

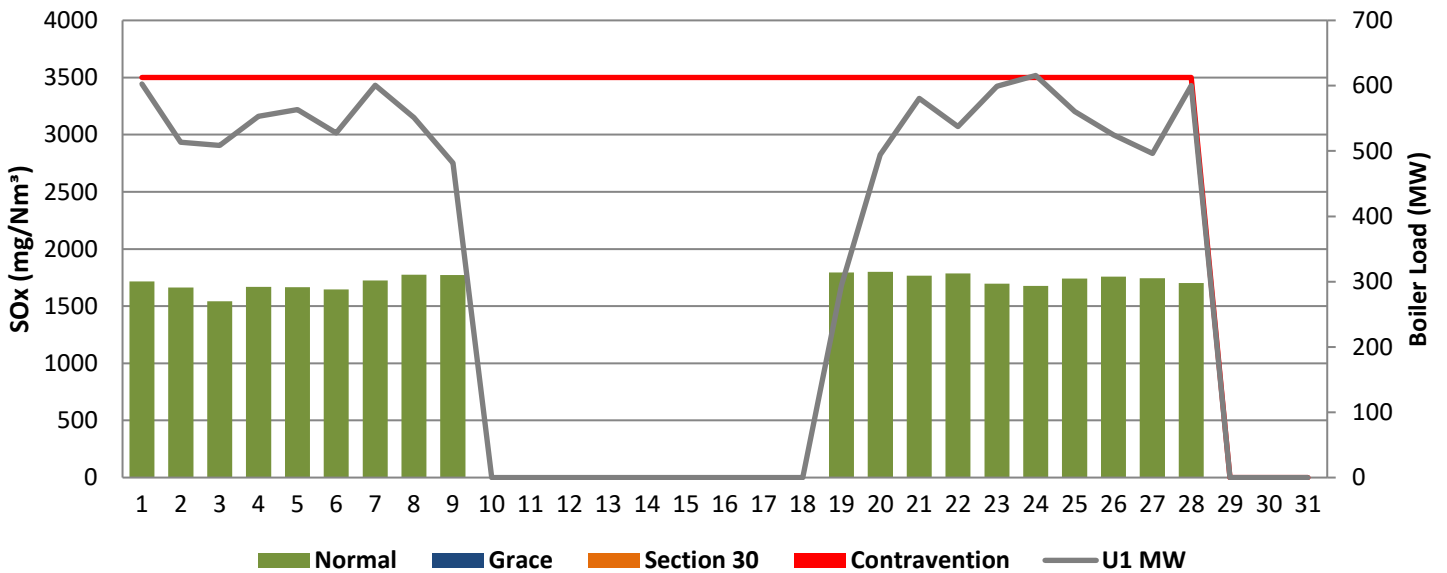


Figure 8: Lethabo Unit 2 SOx Emissions - February 2022

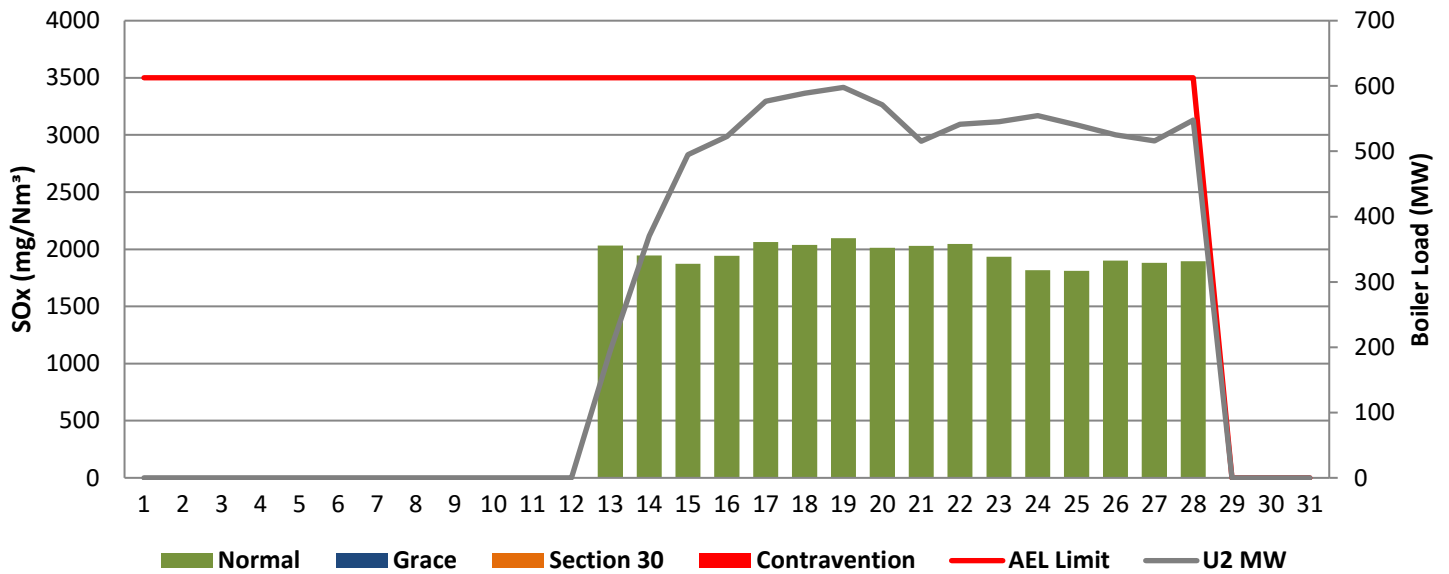


Figure 9: Lethabo Unit 3 SOx Emissions - February 2022

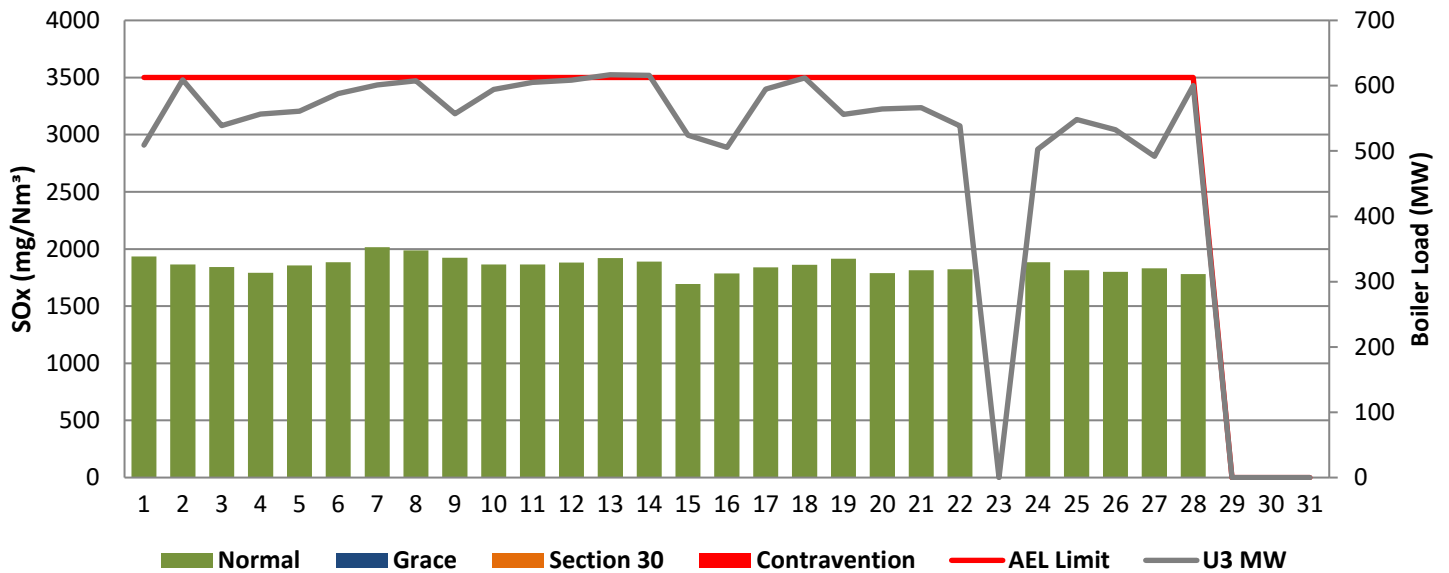


Figure 10: Lethabo Unit 4 SOx Emissions - February 2022

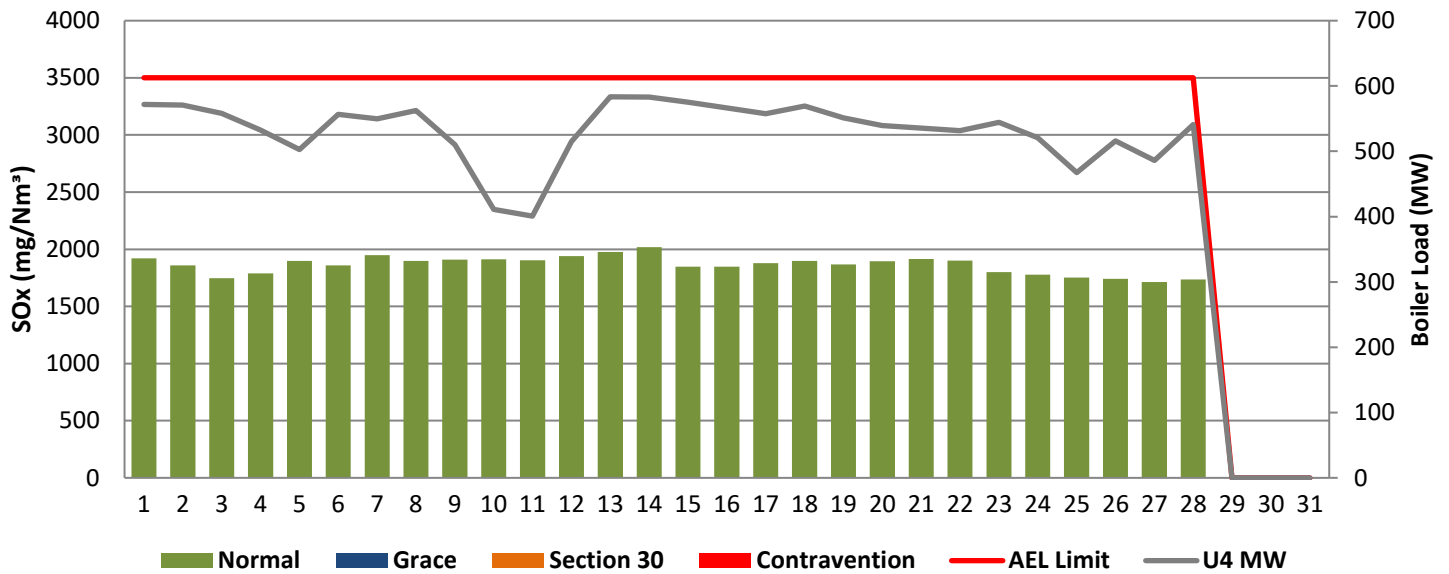


Figure 11: Lethabo Unit 5 SOx Emissions - February 2022

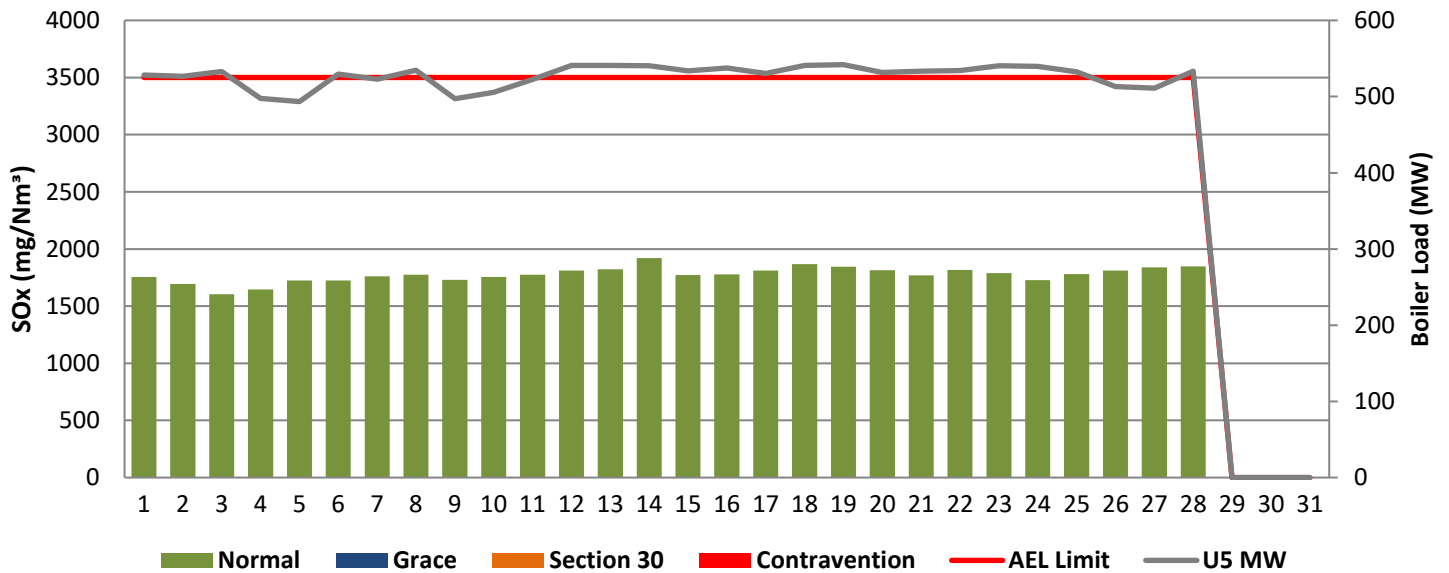


Figure 12: Lethabo Unit 6 SOx Emissions - February 2022

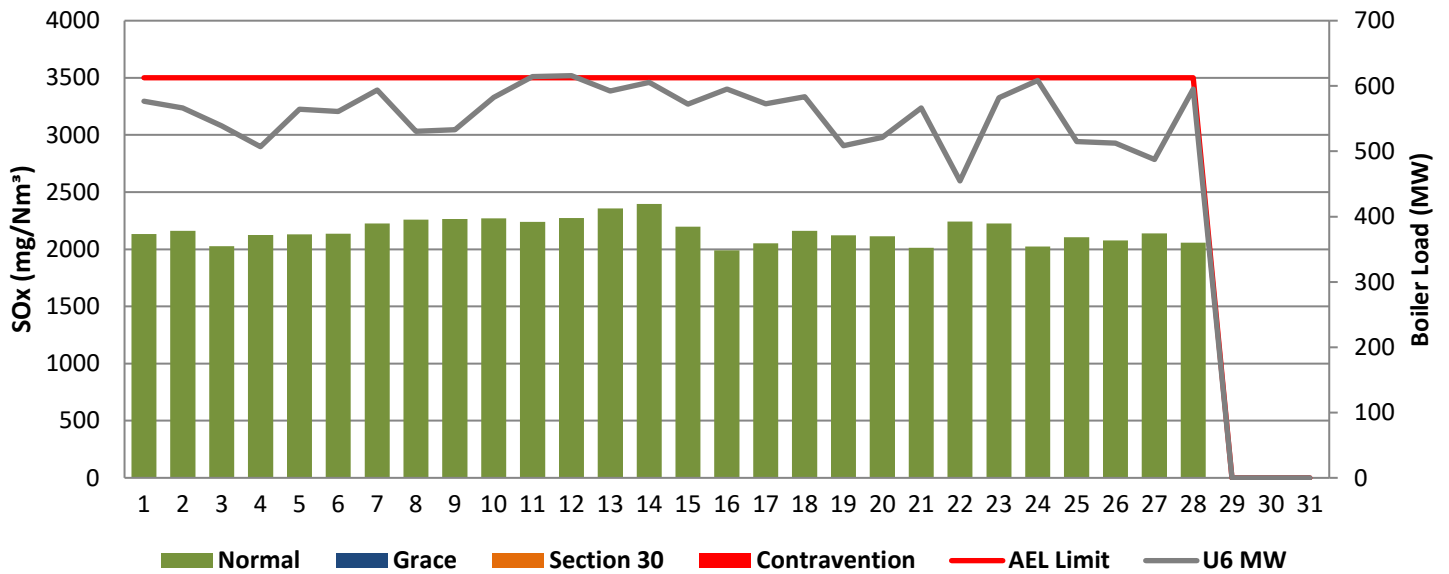


Figure 13: Lethabo Unit 1 NOx Emissions - February 2022

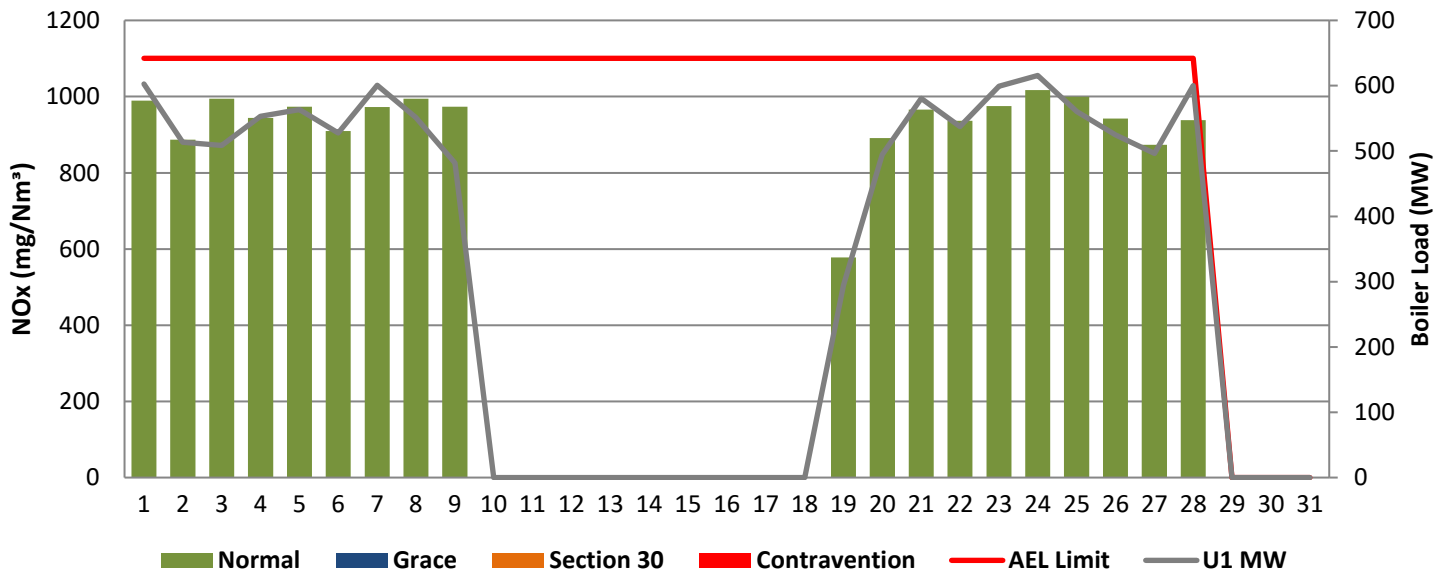


Figure 14: Lethabo Unit 2 NOx Emissions - February 2022

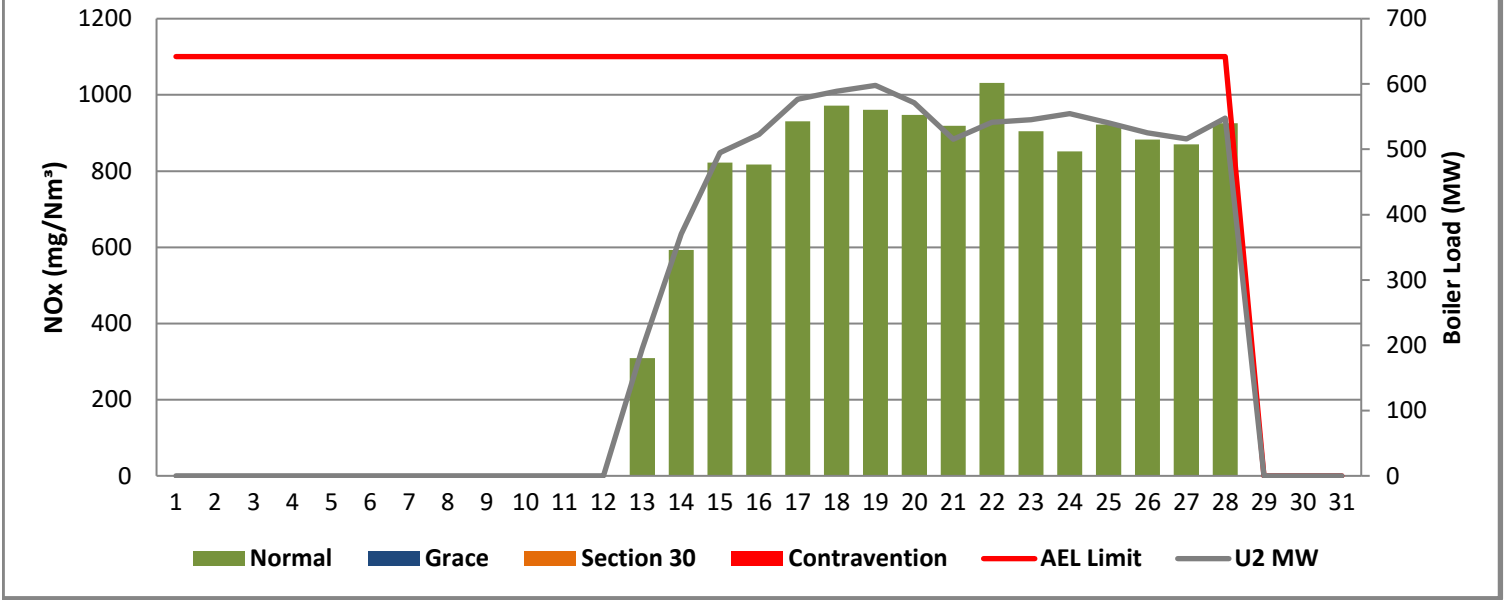


Figure 15: Lethabo Unit 3 NOx Emissions - February 2022

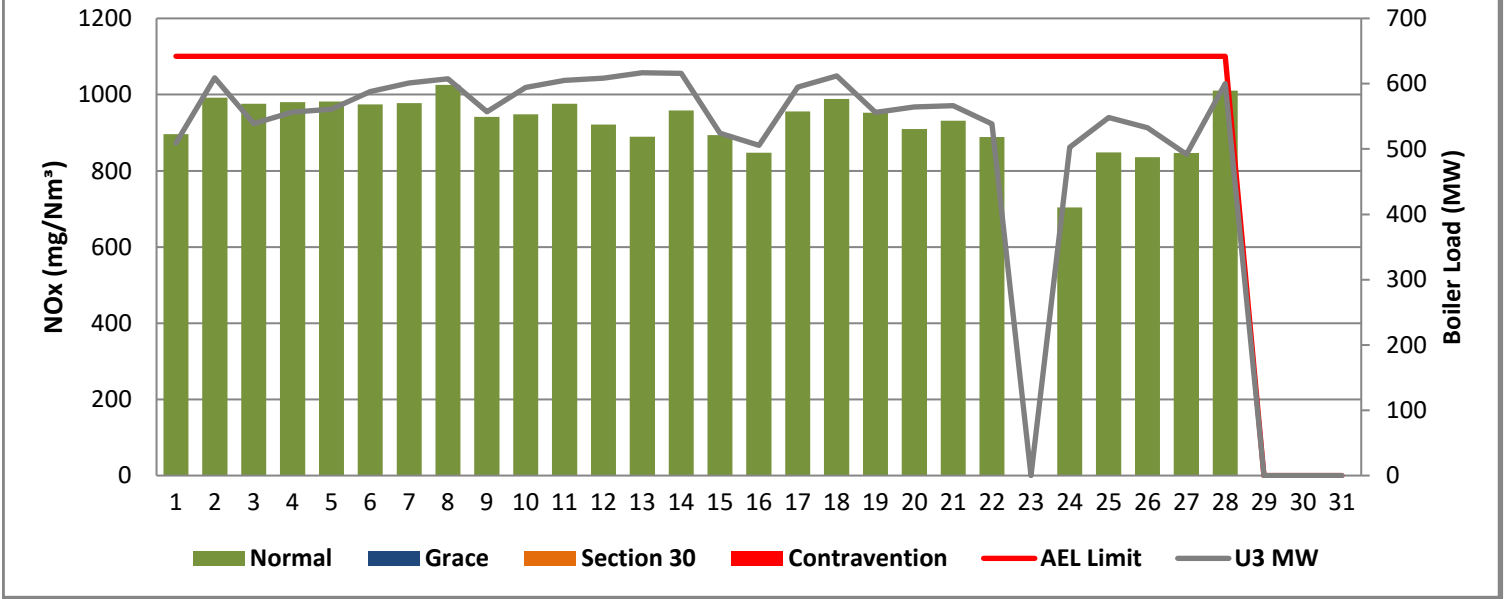


Figure 16: Lethabo Unit 4 NOx Emissions - February 2022

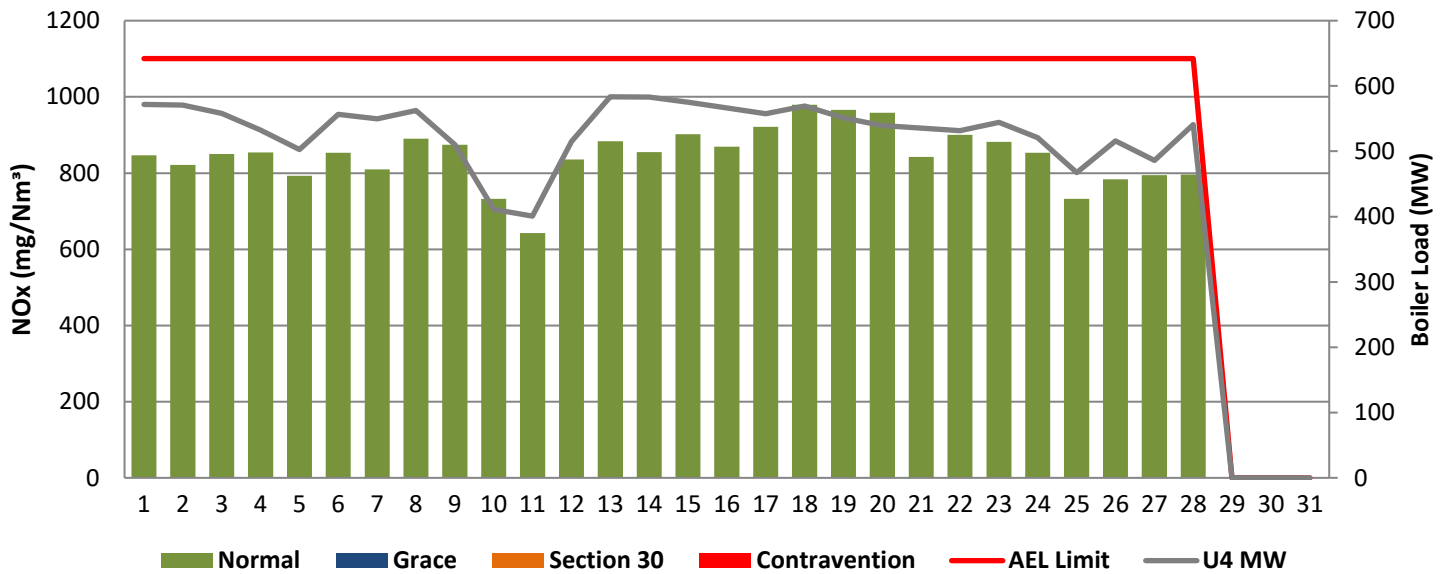


Figure 17: Lethabo Unit 5 NOx Emissions - February 2022

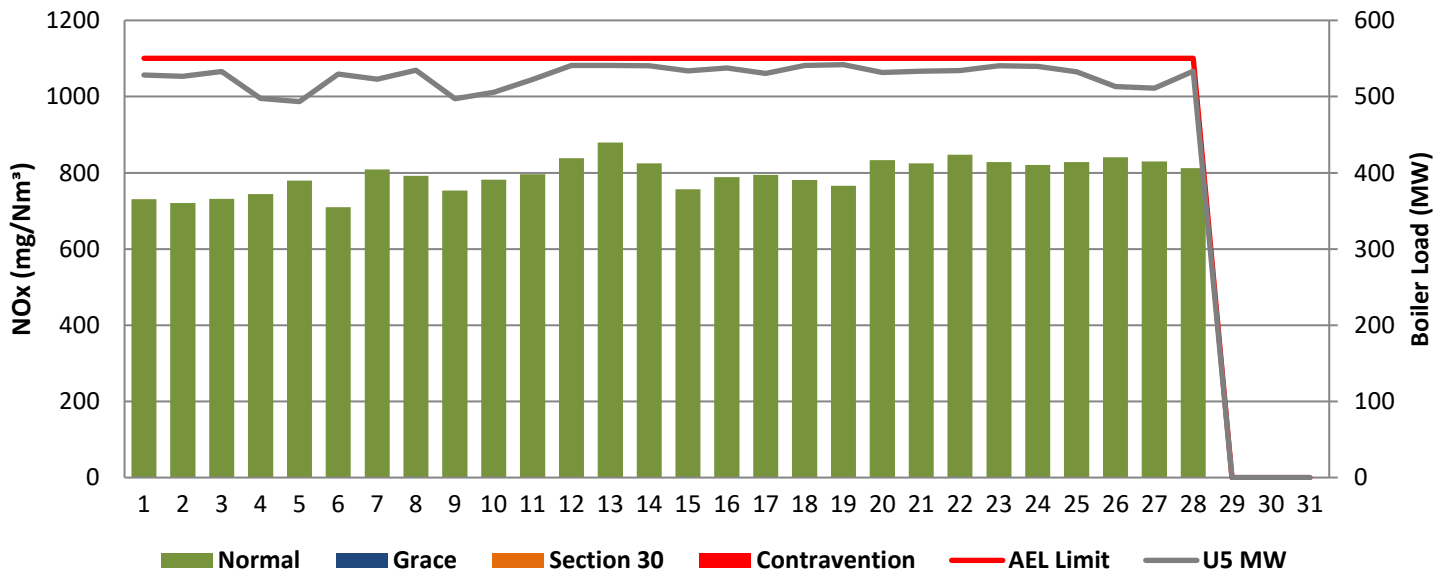
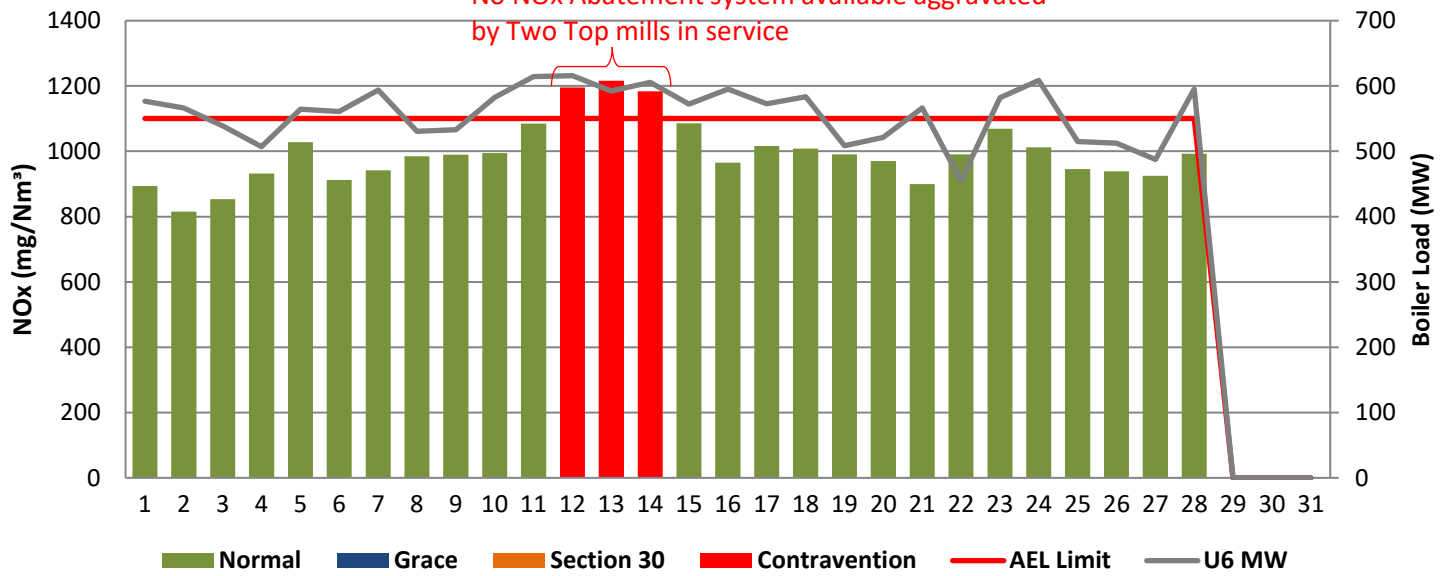


Figure 18: Lethabo Unit 6 NOx Emissions - February 2022

No NOx Abatement system available aggravated
by Two Top mills in service



7 SHUT DOWN AND LIGHT UP INFORMATION

Table 7.1: PM Start-up information for the month of February 2022

Unit No.1	<i>Boiler clinker removal.</i>		<i>Unit turbine tripped due to LP2 front bearing temp high; HP bypass cable repairs</i>		<i>LP2 turbine front bearing temperature high.</i>			
Breaker Open (BO)	10:45 PM	2022/02/09	5:52 PM	2022/02/19	12:59 PM	2022/02/22		
Draught Group (DG) Shut Down (SD)	2:30 PM	2022/02/10	8:48 AM	2022/02/20	DG did not trip or SD	DG did not trip or SD		
BO to DG SD (duration)	00:15:45	DD:HH:MM	00:14:56	DD:HH:MM	n/a	DD:HH:MM		DD:HH:MM
Fires in time	10:25 AM	2022/02/19	2:55 PM	2022/02/20				
Synch. to Grid (or BC)	1:29 PM	2022/02/19	5:10 PM	2022/02/20				
Fires in to BC (duration)	00:03:04	DD:HH:MM	00:02:15	DD:HH:MM		DD:HH:MM		DD:HH:MM
Emissions below limit from BC (end date)	not > limit	not > limit	not > limit	not > limit				
Emissions below limit from BC (duration)	n/a	DD:HH:MM	n/a	DD:HH:MM		DD:HH:MM		DD:HH:MM

Unit No.2	<i>Interim Repairs</i>							
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
Fires in time	2:15 AM	2022/02/12						
Synch. to Grid (or BC)	6:00 PM	2022/02/13						
Fires in to BC (duration)	01:15:45	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Emissions below limit from BC (end date)	6:00 AM	2022/02/17						
Emissions below limit from BC (duration)	03:12:00	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM

Unit No.3	<i>MT FRF tank filter change over valve repairs</i>		<i>Main turbine over speed test</i>					
Breaker Open (BO)	12:00 AM	2022/02/23	12:27 AM	2022/02/27				
Draught Group (DG) Shut Down (SD)	6:05 PM	2022/02/23	<i>DG did not trip or SD</i>	<i>DG did not trip or SD</i>				
BO to DG SD (duration)	00:18:05	DD:HH:MM	<i>n/a</i>	DD:HH:MM		DD:HH:MM		DD:HH:MM
Fires in time	4:35 PM	2022/02/24						
Synch. to Grid (or BC)	6:45 PM	2022/02/24						
Fires in to BC (duration)	00:02:10	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM
Emissions below limit from BC (end date)	5:00 AM	2022/02/26						
Emissions below limit from BC (duration)	01:10:15	DD:HH:MM		DD:HH:MM		DD:HH:MM		DD:HH:MM

Unit No.4								
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
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
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

Unit No.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
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
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

Unit No.6							
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
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
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

7.2: Point Source emissions released during start-up (fires-in) and Shut-down (SD) for the month of February 2022 in mg/Nm³

8. MAINTENANCE

Unit 1				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

Unit 1 cont.				
Beginning of				
Reason for Maintenance				
End (Time):				
Duration				

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	2022/02/20 00:00:00	2022/02/27 00:00		
Reason for Maintenance	RHO precip casing	RHO precip casing		
End (Time):	2022/02/20 16:23:00	2022/02/27 22:56		
Duration	16:23:00	22:56:00		

9. GENERAL

Unit 1 :

PM Monitor Availability on 06/02/2022: The monitor availability was 79.2% due to Variance between output 1 and output 2 being greater than 10% hence the reporting tool does not take the readings and affects the monitor availability.

Unit 2 :

PM Monitor Availability on 14/02/2022: The monitor availability was 75.0% due to the monitors at maximum output hence the reporting tool does not take the readings and affects the monitor availability.

PM Monitor Availability on 24/02/2022: The monitor availability was 83.3% due to the monitors at maximum output hence the reporting tool does not take the readings and affects the monitor availability.

PM Monitor Availability on 25/02/2022: The monitor availability was 79.2% due to the monitors at maximum output hence the reporting tool does not take the readings and affects the monitor availability

Gaseous Monitor Availability on 14/01/2022: The CO2 monitor availability was 79.2% due to reading maximum (>16%) during light up activities hence the reporting tool does not take the readings and affects the monitor availability

Unit3:

Gaseous Monitor Availability on 13/01/2022: The SOx;NOx;CO;CO2;O2 monitors availability were 83.3% due to the O2 Monitor reading low hence the reporting tool does not take the readings and affects the monitor availability

Gaseous Monitor Availability on 24/01/2022: The CO2 monitor availability was 79.2% due to reading maximum (>16%) during light up activities hence the reporting tool does not take the readings and affects the monitor availability

Unit 2:

Unit 2 reported a NEMA Section 30 from the 21/02/2022-25/02/2022 due to SO3 plant challenges.

Unit3:

There was a Turbine overspeed Test on the 27/02/2022 from 00:30-01:45 where the unit was not synchronised (0MW). The Boiler was still on load during this test, a value of 150MW was inserted for the period so as to not discount the reporting hours.

Unit 4:

Unit 4 reported a NEMA Section 30 from the 10/02/2022-10/02/2022 due to High Hopper levels and three Fly Ash Bunker compartment blockage challenges.

Unit 5:

Unit 5 reported a NEMA Section 30 from the 09/02/2022-09/02/2022 due to High Hopper levels and three Fly Ash Bunker compartment blockage challenges.

Unit 6:

Unit 6 reported a NEMA Section 30 from the 08/02/2022-08/02/2022 due to High Hopper levels and three Fly Ash Bunker compartment blockage challenges.

NOx Exceedances from 12/02/2021 - 14/02/2021 due to there being no NOx abatement system and aggravated by running with two top mills (C Mill was off for repairs).

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.
6	08/02/2022	08/02/2022	High Hopper Levels and 3 Fly Ash Bunker at maximum	Issues with Fly ash bunker blockage and levels attended to so that hopper levels could be decreased	09/02/2022	21/02/2022			NEMA Section 30 Reported
5	09/02/2022	09/02/2022	High Hopper Levels and 3 Fly Ash Bunker at maximum	Issues with Fly ash bunker blockage and levels attended to so that hopper levels could be decreased	10/02/2022	21/02/2022			NEMA Section 30 Reported
4	10/02/2022	10/02/2022	High Hopper Levels and 3 Fly Ash Bunker at maximum	Issues with Fly ash bunker blockage and levels attended to so that hopper levels could be decreased	11/02/2022	21/02/2022			NEMA Section 30 Reported
2	21/02/2022	25/02/2022	SO3 plant challenges	Repair of SO3 plant components	22/02/2022	07/03/2022			NEMA Section 30 Reported
6	12/02/2022	12/02/2022	No NOX Abatement System, and aggravated by top 2 mills in service	Standby Mill repairs expedited so as not to run with two top mill and Economisers O2's are optimised					NOx Exceedance (Legal Contravention)
6	13/02/2022	13/02/2022	No NOX Abatement System, and aggravated by top 2 mills in service	Standby Mill repairs expedited so as not to run with two top mill and Economisers O2's are optimised					NOx Exceedance (Legal Contravention)
6	14/02/2022	14/02/2022	No NOX Abatement System, and aggravated by top 2 mills in service	Standby Mill repairs expedited so as not to run with two top mill and Economisers O2's are optimised					NOx Exceedance (Legal Contravention)

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
Mar-21	OFF	0.80	0.54	0.45	0.46	0.42	0.54
Apr-21	0.78	0.49	0.52	0.43	0.31	0.48	0.47
May-21	0.33	0.45	0.42	0.53	0.49	0.49	0.46
Jun-21	0.26	0.63	0.37	0.36	0.35	0.33	0.38
Jul-21	0.23	0.55	0.43	0.31	0.27	0.29	0.35
Aug-21	0.24	0.73	0.41	0.55	0.24	0.28	0.41
Sep-21	0.38	0.92	0.52	0.33	0.26	OFF	0.47
Oct-21	0.63	0.53	0.50	0.50	0.40	OFF	0.51
Nov-21	0.34	0.59	0.52	0.52	0.41	0.41	0.46
Dec-21	0.39	OFF	0.55	0.57	0.34	0.29	0.42
Jan-22	0.37	OFF	0.52	0.46	0.47	0.36	0.44
Feb-22	0.47	1.06	0.62	0.44	0.38	0.59	0.56

ADDENDUM TO MONTHLY EMISSIONS REPORT

12. DAILY EMISSIONS FIGURES

Final Dust Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	Limit
01-Feb	220	OFF	88	69	122	105	100
02-Feb	155	OFF	154	65	95	185	100
03-Feb	100	OFF	189	54	74	110	100
04-Feb	87	OFF	135	39	43	81	100
05-Feb	116	OFF	86	43	74	130	100
06-Feb	124	OFF	106	74	133	124	100
07-Feb	194	OFF	164	168	128	254	100
08-Feb	97	OFF	272	118	253	147	100
09-Feb	98	OFF	98	166	125	97	100
10-Feb	OFF	OFF	119	125	50	149	100
11-Feb	OFF	OFF	164	89	57	185	100
12-Feb	OFF	OFF	91	99	74	165	100
13-Feb	OFF	OFF	90	67	73	86	100
14-Feb	OFF	622	106	67	77	97	100
15-Feb	OFF	629	94	77	84	117	100
16-Feb	OFF	234	87	87	82	114	100
17-Feb	OFF	90	129	72	69	97	100
18-Feb	OFF	110	199	71	62	96	100
19-Feb	OFF	172	94	71	72	69	100
20-Feb	OFF	302	122	79	67	151	100
21-Feb	144	159	126	81	86	118	100
22-Feb	87	119	117	81	83	97	100
23-Feb	96	228	OFF	77	91	163	100
24-Feb	130	327	OFF	64	88	115	100
25-Feb	96	202	44	49	88	92	100
26-Feb	80	35	72	63	91	89	100
27-Feb	92	256	147	63	96	212	100
28-Feb	112	116	76	79	99	176	100

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final SOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	Limit
01-Feb	1717	OFF	1936	1919	1755	2133	3500
02-Feb	1664	OFF	1864	1860	1694	2160	3500
03-Feb	1543	OFF	1843	1748	1604	2026	3500
04-Feb	1670	OFF	1790	1788	1645	2126	3500
05-Feb	1666	OFF	1857	1897	1725	2131	3500
06-Feb	1647	OFF	1883	1860	1725	2137	3500
07-Feb	1724	OFF	2016	1947	1761	2226	3500
08-Feb	1774	OFF	1989	1898	1774	2259	3500
09-Feb	1773	OFF	1924	1909	1731	2266	3500
10-Feb	OFF	OFF	1865	1913	1756	2270	3500
11-Feb	OFF	OFF	1866	1903	1774	2240	3500
12-Feb	OFF	OFF	1881	1941	1811	2273	3500
13-Feb	OFF	2034	1921	1976	1823	2358	3500
14-Feb	OFF	1946	1889	2018	1920	2396	3500
15-Feb	OFF	1874	1693	1848	1771	2198	3500
16-Feb	OFF	1942	1785	1848	1779	1990	3500
17-Feb	OFF	2064	1839	1877	1812	2052	3500
18-Feb	OFF	2038	1861	1898	1867	2162	3500
19-Feb	1795	2098	1915	1868	1844	2122	3500
20-Feb	1800	2013	1789	1894	1814	2113	3500
21-Feb	1766	2029	1815	1914	1769	2014	3500
22-Feb	1787	2046	1823	1902	1818	2242	3500
23-Feb	1697	1936	OFF	1801	1790	2225	3500
24-Feb	1677	1816	1883	1777	1728	2024	3500
25-Feb	1741	1812	1814	1752	1781	2106	3500
26-Feb	1757	1900	1800	1740	1811	2076	3500
27-Feb	1743	1882	1831	1715	1840	2138	3500
28-Feb	1703	1897	1780	1736	1846	2057	3500

ADDENDUM TO MONTHLY EMISSIONS REPORT

Final NOx Concentration (mg/Nm³)

Date	U1	U2	U3	U4	U5	U6	Limit
01-Feb	989	OFF	897	847	731	894	1100
02-Feb	887	OFF	992	821	720	815	1100
03-Feb	994	OFF	976	850	732	854	1100
04-Feb	944	OFF	981	854	745	932	1100
05-Feb	973	OFF	982	793	780	1028	1100
06-Feb	909	OFF	975	853	710	912	1100
07-Feb	973	OFF	977	810	808	942	1100
08-Feb	994	OFF	1026	890	792	985	1100
09-Feb	973	OFF	941	874	754	989	1100
10-Feb	OFF	OFF	949	732	782	994	1100
11-Feb	OFF	OFF	976	643	796	1084	1100
12-Feb	OFF	OFF	922	836	838	1195	1100
13-Feb	OFF	309	890	883	880	1216	1100
14-Feb	OFF	593	958	855	824	1184	1100
15-Feb	OFF	822	894	902	756	1086	1100
16-Feb	OFF	817	848	869	789	965	1100
17-Feb	OFF	930	955	922	794	1016	1100
18-Feb	OFF	972	988	979	781	1008	1100
19-Feb	578	961	953	966	766	991	1100
20-Feb	891	947	909	958	833	970	1100
21-Feb	965	919	931	843	825	900	1100
22-Feb	937	1032	889	901	848	991	1100
23-Feb	975	905	OFF	882	828	1069	1100
24-Feb	1017	852	704	854	821	1012	1100
25-Feb	999	922	848	732	828	946	1100
26-Feb	942	883	836	783	840	939	1100
27-Feb	873	870	847	794	830	925	1100
28-Feb	938	926	1011	796	813	993	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
Mar-21	OFF LOAD	0.0	97.58%	3.0	99.19%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0
Apr-21	100.00%	0.0	100.00%	0.0	98%	2.7	99.23%	0.9	100.00%	0.0	98.48%	1.8
May-21	88.70%	2.0	100.00%	0.0	100%	0.0	100.00%	0.0	88.82%	1.9	100.00%	0.0
Jun-21	98.59%	1.7	99.28%	0.9	99%	1.0	100.00%	0.0	100.00%	0.0	100.00%	0.0
Jul-21	100.00%	0.0	100.00%	0.0	99.38%	0.8	100.00%	0.0	100.00%	0.0	100.00%	0.0
Aug-21	99.33%	0.8	100.00%	0.0	99.26%	0.9	100.00%	0.0	100.00%	0.0	100.00%	0.0
Sep-21	95.94%	1.0	96.00%	1.0	95.98%	1.0	95.97%	1.0	100.00%	0.0	OFF	OFF
Oct-21	97.32%	3.3	99.36%	0.8	99.33%	0.8	100.00%	0.0	100.00%	0.0	OFF	OFF
Nov-21	100.00%	0.0	100.00%	0.0	100.00%	0.0	96.26%	0.6	95.79%	1.2	100.00%	0.0
Dec-21	99.44%	0.7	OFF	OFF	98.24%	2.2	98.02%	2.5	100.00%	0.0	100.00%	0.0
Jan-22	98.50%	1.9	OFF	OFF	99.32%	0.8	100.00%	0.0	100.00%	0.0	100.00%	0.0
Feb-22	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	98.54%	1.6

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
Mar-21	OFF LOAD	0.0	100.00%	0.0	100%	0.0	100.00%	0.0	87.10%	4.0	100.00%	0.0
Apr-21	85.06%	4.5	100.00%	0.0	88.46%	3.5	100.00%	0.0	99.33%	0.2	100.00%	0.0
May-21	100.00%	0.0	100.00%	0.0	81.77%	2.7	76.09%	4.4	78.12%	3.8	100.00%	0.0
Jun-21	100.00%	0.0	100.00%	0.0	92.28%	2.3	100.00%	0.0	100.00%	0.0	100.00%	0.0
Jul-21	100.00%	0.0	100.00%	0.0	91.05%	2.7743056	100.00%	0.0	100.00%	0.0	100.00%	0.0
Aug-21	100.00%	0.0	47.45%	16.3	100.00%	0.0	99.08%	0.3	100.00%	0.0	100.00%	0.0
Sep-21	100.00%	0.0	71.12%	8.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	OFF	OFF
Oct-21	99.75%	0.1	100.00%	0.0	100.00%	0.0	100.00%	0.0	100.00%	0.0	OFF	OFF
Nov-21	100.00%	0.0	100.00%	0.0	100.00%	0.0	88.62%	2.5	100.00%	0.0	90.27%	2.0
Dec-21	97.72%	0.7	OFF	OFF	96.64%	1.0	97.18%	0.9	99.87%	0.0	100.00%	0.0
Jan-22	95.79%	1.3	OFF	OFF	83.10%	5.2	100.00%	0.0	100.00%	0.0	100.00%	0.0
Feb-22	99.40%	0.2	85.42%	4.1	97.47%	0.7	100.00%	0.0	100.00%	0.0	97.17%	0.8

ADDENDUM TO MONTHLY EMISSIONS REPORT

Particulate Emission Monitors

Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Mar-21	OFF	99.87%	99.06%	96.15%	99.60%	100.00%
Apr-21	83.69%	99.65%	99.28%	99.58%	99.86%	99.87%
May-21	99.01%	100.00%	94.83%	99.72%	97.31%	99.38%
Jun-21	99.72%	99.17%	99.31%	99.83%	99.86%	99.82%
Jul-21	98.12%	99.60%	99.87%	99.04%	98.22%	99.06%
Aug-21	100.00%	99.60%	99.60%	99.36%	100.00%	100.00%
Sep-21	98.61%	96.91%	99.03%	99.54%	99.72%	OFF
Oct-21	95.51%	99.06%	99.46%	99.87%	99.87%	OFF
Nov-21	99.60%	99.54%	99.86%	99.00%	98.61%	99.80%
Dec-21	98.39%	OFF	96.12%	96.81%	99.87%	100.00%
Jan-22	98.66%	OFF	99.19%	99.87%	99.70%	100.00%
Feb-22	98.28%	95.56%	99.67%	100.00%	99.85%	99.40%

Gaseous Emission Monitors

Availability												
	Unit 1		Unit 2		Unit 3		Unit 4		Unit 5		Unit 6	
Month	SO _x	NO _x	SO _x	NO _x	SO _x	NO _x	SO _x	NO _x	SO _x	NO _x	SO _x	NO _x
Mar-21	OFF	OFF	100.00%	100.00%	100.00%	100.00%	96.07%	96.07%	99.97%	99.97%	99.60%	99.60%
Apr-21	99.47%	99.76%	99.83%	99.83%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.84%	99.84%
May-21	94.33%	94.33%	99.87%	100.00%	100.00%	100.00%	99.87%	99.87%	100.00%	100.00%	100.00%	100.00%
Jun-21	99%	99%	99.72%	99.86%	100%	100%	99.76%	99.76%	99.86%	99.86%	99.71%	99.71%
Jul-21	99.73%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	98.66%	98.66%	98.79%	98.92%
Aug-21	89.25%	89.78%	99.60%	99.73%	99.73%	99.73%	100.00%	100.00%	99.87%	99.87%	95.27%	95.27%
Sep-21	99.58%	99.58%	99.55%	99.55%	99.58%	99.72%	99.70%	99.70%	99.58%	99.72%	OFF	OFF
Oct-21	99.52%	99.36%	99.73%	99.87%	99.87%	99.87%	99.73%	99.87%	100.00%	100.00%	OFF	OFF
Nov-21	99.62%	99.81%	94.79%	94.79%	100.00%	99.86%	99.84%	99.84%	100.00%	100.00%	99.81%	99.81%
Dec-21	97.85%	97.85%	OFF	OFF	91.28%	91.42%	100.00%	99.87%	100.00%	100.00%	99.87%	100.00%
Jan-22	99.87%	100.00%	0.00%	0.00%	99.87%	100.00%	99.87%	100.00%	99.72%	100.00%	99.48%	99.48%
Feb-22	100.00%	100.00%	100.00%	100.00%	99.85%	100.00%	99.40%	99.40%	99.26%	99.40%	99.55%	99.55%

Oxygen Monitor Availability						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Mar-21	OFF	100.00%	100.00%	96.43%	99.97%	99.87%
Apr-21	99.40%	98.91%	99.87%	99.72%	100.00%	99.37%
May-21	94.16%	99.87%	99.86%	99.87%	99.87%	98.63%
Jun-21	99.58%	99.79%	99.72%	99.76%	99.72%	99.55%
Jul-21	100.00%	99.87%	99.60%	99.52%	98.73%	98.79%
Aug-21	99.46%	99.87%	99.60%	100.00%	100.00%	95.45%
Sep-21	99.72%	99.13%	97.78%	99.55%	99.72%	OFF
Oct-21	99.84%	99.87%	97.04%	99.87%	99.73%	OFF
Nov-21	99.05%	89.58%	98.06%	100.00%	99.86%	99.81%
Dec-21	97.58%	OFF	91.28%	94.76%	99.86%	100.00%
Jan-22	100.00%	OFF	99.87%	98.25%	99.17%	99.22%
Feb-22	100.00%	100.00%	98.74%	99.55%	99.40%	99.55%

ADDENDUM TO MONTHLY EMISSIONS REPORT

14. EFFICIENCY

ESP Efficiency (%)						
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Mar-21	OFF	99.659%	99.769%	99.823%	99.802%	99.817%
Apr-21	99.679%	99.788%	99.777%	99.825%	99.858%	99.788%
May-21	99.866%	99.809%	99.825%	99.791%	99.782%	99.786%
Jun-21	99.894%	99.724%	99.844%	99.856%	99.839%	99.852%
Jul-21	99.916%	99.756%	99.819%	99.879%	99.887%	99.838%
Aug-21	99.894%	99.656%	99.810%	99.759%	99.883%	99.864%
Sep-21	99.836%	99.567%	99.756%	99.855%	99.873%	OFF
Oct-21	99.752%	99.776%	99.789%	99.800%	99.823%	OFF
Nov-21	99.870%	99.743%	99.780%	99.798%	99.820%	99.831%
Dec-21	99.834%	OFF	99.744%	99.757%	99.837%	99.864%
Jan-22	99.845%	OFF	99.765%	99.807%	99.788%	99.834%
Feb-22	99.825%	99.561%	99.743%	99.823%	99.839%	99.745%

15. REMARKS

UNIT	MW LOSS	REASON	ACTUAL START DATE	ACTUAL END DATE
1	119	EF:High hopper levels	2022/02/01 22:23:00	2022/02/02 04:56:00
1	216	EF:High hopper levels	2022/02/02 09:11:00	2022/02/02 18:38:00
1	217	EF: High hopper levels	2022/02/03 00:40:00	2022/02/03 06:16:00
1	218	EF: High stack emissions	2022/02/03 22:00:00	2022/02/03 22:34:00
1	237	EF: High stack emissions	2022/02/03 22:34:00	2022/02/04 00:07:00
1	216	High hopper levels.	2022/02/04 23:03:00	2022/02/05 05:22:00
1	118	High hopper levels.	2022/02/06 14:24:00	2022/02/06 17:29:00
1	116	EF:High stack emissions.	2022/02/08 08:56:00	2022/02/08 16:45:00
1	119	High stack emissions.	2022/02/08 19:13:00	2022/02/09 00:41:00
1	593	Boiler clinker removal.	2022/02/09 22:37:00	2022/02/13 22:36:00
1	593	System Generated Slip Event linked to PCLF Event : 1656895	2022/02/13 22:36:00	2022/02/19 13:29:00
1	297	System Generated Ramp Event for Event id : 1656895	2022/02/19 13:29:00	2022/02/19 16:29:00
1	593	Unit turbine tripped due to LP2 front bearing temp high	2022/02/19 17:48:00	2022/02/19 20:18:00
1	593	AM:HP bypass cable repairs	2022/02/19 20:18:00	2022/02/20 17:12:00
1	297	System Generated Ramp Event for Event id : 1659981 First Outage	2022/02/20 17:12:00	2022/02/20 18:42:00
1	296	System Generated Ramp Event for Event id : 1660029	2022/02/20 18:42:00	2022/02/20 19:42:00
1	593	LP2 turbine front bearing temperature high.	2022/02/22 12:59:00	2022/02/22 14:26:00
1	297	System Generated Ramp Event for Event id : 1660912	2022/02/22 14:26:00	2022/02/22 15:56:00
2	593	Interim Repairs	2022/02/01 00:00:00	2022/02/02 00:06:00
2	593	System Generated Slip Event linked to PCLF Event : 1629723	2022/02/02 00:06:00	2022/02/13 17:59:00
2	297	System Generated Ramp Event for Event id : 1629723	2022/02/13 17:59:00	2022/02/13 20:59:00
2	161	EF: High stack emissions	2022/02/21 10:26:00	2022/02/21 17:05:00
3	218	Emissions test	2022/02/01 00:18:00	2022/02/01 06:05:00
3	100	High stack emissions.	2022/02/01 12:24:00	2022/02/01 17:00:00
3	118	high stack emissions.	2022/02/01 17:50:00	2022/02/02 00:23:00
3	214	EF: High stack emissions	2022/02/03 01:02:00	2022/02/03 05:35:00
3	216	High hopper levels.	2022/02/04 22:08:00	2022/02/05 05:22:00
3	114	EF:High Hopper levels.	2022/02/09 09:00:00	2022/02/09 16:25:00
3	118	High hopper levels.	2022/02/09 20:30:00	2022/02/10 00:27:00
3	62	EF: High hopper levels	2022/02/10 08:44:00	2022/02/10 13:42:00
3	50	EF: High stack emissions.	2022/02/19 09:20:00	2022/02/19 19:24:00
3	168	High stack emissions	2022/02/19 19:24:00	2022/02/19 19:48:00
3	218	EF: High stack emissions.	2022/02/19 19:48:00	2022/02/20 00:57:00
3	50	EF: High stack emissions.	2022/02/20 10:11:00	2022/02/20 16:11:00
3	593	MT FRF tank filter change over valve repairs	2022/02/22 23:54:00	2022/02/24 18:48:00
3	297	System Generated Ramp Event for Event id : 1661078	2022/02/24 18:48:00	2022/02/24 21:48:00
3	593	Main turbine over speed test	2022/02/27 00:27:00	2022/02/27 01:42:00
3	297	System Generated Ramp Event for Event id : 1662567	2022/02/27 01:42:00	2022/02/27 03:12:00
4	169	High hopper levels	2022/02/04 22:09:00	2022/02/05 05:14:00
4	70	High hopper levels	2022/02/05 05:14:00	2022/02/05 16:10:00
4	168	EF:High hopper levels.	2022/02/09 09:30:00	2022/02/09 16:27:00
4	165	High hopper levels.	2022/02/10 03:08:00	2022/02/10 08:40:00
4	190	AM: For High hopper levels	2022/02/10 08:40:00	2022/02/10 16:25:00
4	170	AM: High hopper level	2022/02/10 16:25:00	2022/02/10 22:06:00
4	219	AM: High hopper level	2022/02/10 22:06:00	2022/02/11 00:16:00
4	167	AM: For High hopper levels	2022/02/11 00:16:00	2022/02/12 08:28:00
4	10	High stack emissions	2022/02/12 21:51:00	2022/02/12 22:01:00
4	17	High stack emissions	2022/02/12 22:01:00	2022/02/13 00:02:00
4	146	A bucket belt repairs.	2022/02/25 00:00:00	2022/02/25 11:43:00

UNIT	MW LOSS	REASON	ACTUAL START DATE	ACTUAL END DATE
5	40	High hopper levels.	2022/02/01 10:48:00	2022/02/01 15:03:00
5	37	EF: High hopper levels	2022/02/01 21:58:00	2022/02/02 04:07:00
5	40	High hopper levels	2022/02/02 19:42:00	2022/02/03 00:11:00
5	137	High hopper levels	2022/02/04 21:24:00	2022/02/05 05:15:00
5	38	High hopper levels	2022/02/05 05:15:00	2022/02/05 15:42:00
5	37	EF:High hopper levels.	2022/02/09 07:22:00	2022/02/09 09:08:00
5	137	EF:high Hopper levels.	2022/02/09 09:08:00	2022/02/09 15:14:00
5	140	High hopper levels.	2022/02/10 03:04:00	2022/02/10 06:57:00
5	39	AM: High hopper levels	2022/02/10 08:39:00	2022/02/10 13:42:00
6	120	High hopper levels.	2022/02/01 11:08:00	2022/02/01 15:12:00
6	218	EF: High hopper levels	2022/02/01 22:22:00	2022/02/02 04:36:00
6	218	EF: High stack emissions	2022/02/03 00:21:00	2022/02/03 05:15:00
6	122	High hopper levels.	2022/02/04 14:34:00	2022/02/04 17:06:00
6	218	High hopper levels	2022/02/04 21:21:00	2022/02/05 05:22:00
6	118	High hopper levels.	2022/02/06 14:29:00	2022/02/06 17:14:00
6	219	EF:High stack emissions.	2022/02/08 08:56:00	2022/02/08 12:42:00
6	245	EF:High stack emissions.	2022/02/08 12:42:00	2022/02/08 16:28:00
6	218	EF:High hopper levels.	2022/02/09 09:55:00	2022/02/09 15:23:00
6	118	High hopper levels.	2022/02/09 20:24:00	2022/02/10 00:14:00
6	118	EF: High hopper levels	2022/02/10 08:40:00	2022/02/10 13:42:00
6	118	EF: High stack emissions	2022/02/12 23:48:00	2022/02/13 04:36:00
6	53	EF: High stack emissions.	2022/02/14 12:22:00	2022/02/14 16:24:00
6	50	High stack emissions.	2022/02/18 12:10:00	2022/02/19 02:00:00
6	118	dust plant standing.	2022/02/19 02:47:00	2022/02/20 00:00:00
6	118	AM:RHO precip casing repairs.	2022/02/20 00:00:00	2022/02/20 16:23:00
6	218	EF: High stack emissions.	2022/02/22 16:23:00	2022/02/23 00:34:00
6	118	High stack emissions.	2022/02/25 11:53:00	2022/02/25 19:26:00
6	170	High stack emissions.	2022/02/25 19:26:00	2022/02/26 00:14:00
6	118	RHO precip casing repairs.	2022/02/27 00:00:00	2022/02/27 22:56:00

PM Exceedances		
U1.	Unit exceeded due to high hopper levels	01-Feb
U1.	Unit exceeded due to high hopper levels	02-Feb
U1.	5 high dust hoppers ; LHO fields 3 & 6 off load ; LHI field 6 off load ; RHI field 1 off load and RHO field 5 off load.	05-Feb
U1.	9 high dust hoppers ; LHO fields 1 & 3 off load ; LHI field 1 & 6 off load ; RHI field 1 off load and RHO field 5 & 6 off load.	06-Feb
U1.	Unit had many high hopper levels due to ash plant standing	07-Feb
U1.	Unit synchronized on 2022/02/20 @ 17:12, unit to be below the limit by 2022/02/23 @ 17:12 and remain below the limit until the 2022/02/24 23:59	20-Feb
U1.	Unit Light Up	21-Feb
U1.	Unit tripped yesterday during the day, however the boiler remained on load while the unit was brought back.	22-Feb
U1.	SO3 plant tripped 00:55; Back in service 03:25; SO3 plant tripped 12:52; Back in service 14:47; SO3 plant tripped 20:56; Back in service 21:05	24-Feb
U1.	ESP Poor Performance	28-Feb
U2.	Unit synchronized on 2022/02/13 @ 17:59, unit to be below the limit by 2022/02/16 @ 17:59 and remain below the limit until the 2022/02/17	14-Feb
U2.	Unit Light Up	15-Feb
U2.	High Hopper Levels	16-Feb
U2.	SO3 plant not dosing. Combustion chamber is suspected to be flooded, temperatures are increasing and excess Sulphur is being burned out.	18-Feb
U2.	SO3 plant not dosing. Combustion chamber is suspected to be flooded, temperatures are increasing and excess Sulphur is being burned out.	19-Feb
U2.	SO3 plant not dosing. Combustion chamber is suspected to be flooded, temperatures are increasing and excess Sulphur is being burned out.	20-Feb
U2.	SO3 Plant Tripped; S30 Reported	21-Feb
U2.	Sulphur plant is still running at 18kg/hr due to SO3 plant air leak; LHO F1,2,3 high hopper levels; RHO F6 high hopper levels	22-Feb
U2.	Sulphur plant has no flow, BAUX are at the plant to heat up the valve, C&I conducted the stroke checking but blower tripped, EMS attended to the blower and BAUX was called out to heat up the plant. C&I will do final adjustments today.; LHI F1 and LHI F3 have been running with high hopper levels; RHO F1-4 are off due to trip.; ESP Manual Rapping	23-Feb
U2.	SO3 plant issues with the control valve and air blower; SO3 plant ramping up at 16:00; ESP manual rapping	24-Feb
U2.	ESP Poor Performance; LHI both DE and CE rappers are off, GE to be called out to address defects LHO F2 EMS to resolve plate rappers; LHI F6 thyristor bank replacement, EMS was asked to do it last week, EMS reported that it was done and needs to be connected; LHI F1 permit to be cleared to be put back in service.	25-Feb
U2.	SO3 plant thermocouple replacement was done yesterday and SO3 plant was not available; LHI F1 Off on PTW for GE replace the cable; LHI F6 tripped on high primary current, EMS to consult Elec Eng. on a way forward; LHO F2 plant rappers, EMS provided feedback that motor will be received today for replacement.	27-Feb
U2.	SO3 Plant is back in service and ramping to boiler load. The sulphur flow has been established.	28-Feb
U3.	So3 plant keeps on freezing c&i to check and repair suspected loss of communication from the plant	02-Feb
U3.	Sulphur flow tripped yesterday due to communication fault, plant was put back on load last night and ramping up through the night. Sulphur flow started this morning.	03-Feb
U3.	ESP Manual Rapping	04-Feb
U3.	SO3 FLOW DROPPED AGAIN ,C&I CALLED TO ATTEND TO THE FLOW METER. TIGHTENED THE WIRES ON THE FLOW METER, TO KEEP AN EYE ON THE FLOW. SENIOR CONTROLLER INFORMED OF HIGH EMISSIONS AND THE FLOW THAT ARE DROPPING FOR NO REASON	06-Feb
U3.	36 high hopper levels on unit 3; High hopper level from Unit 3-6, and ash plant is standing. High Fab levels and no space at the emergency offloading. Ash plant sub 1 kept on my tripping due to breaker 1 failing to close	07-Feb
U3.	Fields transformers tripping due to high hopper levels; RHO F7 and F2 sharing pin replaced.; high hopper levels on unit 3	08-Feb

PM Exceedances		
U3.	ESP Poor performance; High hopper cleared at 23:00	10-Feb
U3.	ESP poor performance; Correlation Test / Check to be redone	11-Feb
U3.	ESP poor performance; Correlation Test / Check to be redone	14-Feb
U3.	ESP poor performance; Correlation Test / Check to be redone	17-Feb
U3.	LHO and LHI high hopper levels reported for yesterday; ESP poor performance	20-Feb
U3.	ESP poor performance	21-Feb
U3.	Unit Was Shut Down for turbine overspeed test and FRF repair	22-Feb
U3.	Emissions went high yesterday 14:00-20:00 due to rappers tripping. Elec Eng. provided feedback that a board tripped on high temperature and substation had to be cooled.	27-Feb
U4.	53 high hopper on unit 4; High hopper level from Unit 3-6, and ash plant is standing. High Fab levels and no space at the emergency offloading. Ash plant sub 1 kept on my tripping due to breaker 1 failing to close	07-Feb
U4.	high hopper on unit 4	08-Feb
U4.	Ops reported 26 high hopper levels on the plant.	09-Feb
U4.	High Hopper Levels; NEMA section 30 reported	10-Feb
U5.	Unit exceeded due to high hopper levels	01-Feb
U5.	Check and reset precip fields LHI 1 and2 and RHO 2 that tripped on under voltage	06-Feb
U5.	22 high hopper levels on unit 5; High hopper level from Unit 3-6, and ash plant is standing. High Fab levels and no space at the emergency offloading. Ash plant sub 1 kept on my tripping due to breaker 1 failing to close	07-Feb
U5.	high hopper levels on unit 5	08-Feb
U5.	High hopper level from Unit 3 4-6, and ash plant is standing	09-Feb
U6.	Unit exceeded due to high hopper levels	01-Feb
U6.	Unit exceeded due to high hopper levels	02-Feb
U6.	Unit exceeded due to high hopper levels	03-Feb
U6.	ESP Poor Performance	05-Feb
U6.	ESP Poor Performance	06-Feb
U6.	High hopper level from Unit 3-6, and ash plant is standing. High Fab levels and no space at the emergency offloading. Ash plant sub 1 kept on my tripping due to breaker 1 failing to close,	07-Feb
U6.	High Hopper Levels, Section 30 has been reported	08-Feb
U6.	LHO F1 on local; LHI F2 off/on local/DE rapper faulty; LHI F23 undervoltage/ on local; RHI all fields are performing poorly; RHO F1 – F5 poor performance.; High Hopper levels	10-Feb
U6.	ESP poor performance and manual rapping	15-Feb
U6.	ESP Poor Performance	16-Feb
U6.	RHO casing outage	20-Feb
U6.	ESP Poor Performance; RHO casing performance is poor; F2 and F7 program fault.; F4 is poorly performing,	21-Feb
U6.	ESP manual rapping; RHO casing is not performing	23-Feb
U6.	ESP poor performance	24-Feb
U6.	RHO Casing outage	27-Feb
U6.	SO3 plant: no sulphur flow currently, plant is ramping up on heaters; LHI & RHO casings are cycling	28-Feb
NOx Exceedances		
U6.	No NOx abatement system and aggravated by Two top mills in service. C mill is off.	12-Feb
U6.	No NOx abatement system and aggravated by Two top mills in service. C mill is off.	13-Feb
U6.	No NOx abatement system and aggravated by Two top mills in service. C mill is off.	14-Feb