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Date:  
15 May 2025

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**LRP01PLA000 \_0454/20250415**

Dear Mr. Mkhathswa

**LETHABO POWER STATION ANNUAL EMISSION REPORT FOR THE 2024/2025 FINANCIAL YEAR**

This serves as Lethabo Power Station's Annual Emission Report as required in terms of section 7.7 in the Atmospheric Emission License issued to Lethabo Power Station.

The emissions reported is for Eskom's 2024/2025 financial year which is from 01 April 2024 to 31 March 2025.

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

Yours sincerely



Karabo Rakgolela  
**GENERAL MANAGER**

 Eskom	<b>REPORT</b>	<b>Lethabo Power Station</b>
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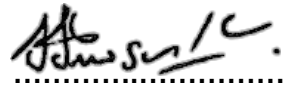
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## 1 TOTAL EMISSIONS TONNAGES FOR THE 2024/2025 FINANCIAL YEAR

The emissions in the table below are for the 2024/2025 financial year.

Table 1: Total Emissions for 2024/2025 Financial year

<b>Power Station</b>	<b>Coal-fired emissions (tons/annum)</b>	<b>Fuel-oil emissions (tons/annum)</b>	<b>Total (tons/annum)</b>
Lethabo Power Station	<b>PM:</b> 22 859	<b>PM:</b> Not Calculated	<b>PM:</b> 22 859
	<b>SO<sub>2</sub>:</b> 173 708	<b>SO<sub>2</sub>:</b> 754.4	<b>SO<sub>2</sub>:</b> 174 463
	<b>NO<sub>x</sub>:</b> 82 721	<b>NO<sub>x</sub>:</b> Not Calculated	<b>NO<sub>x</sub>:</b> 82 721

Greenhouse Gases such as CO<sub>2</sub> and N<sub>2</sub>O are no longer reported at station level and is included in the Eskom Greenhouse Gas Emissions Report as per the communication from the National Air Quality Officer (see Annexure B).

Eskom Research Technology and Development (RT&D) calculated figures were used for reporting gaseous emissions and are subject to data integrity reviews by external service providers. Particulate Matter (PM) are recorded CEMS data.

## 2 POLLUTION EMISSION TRENDS:

During the 2025 financial year, the station implemented an improved methodology for estimating emissions during periods when continuous emissions monitors (CEMs) recorded maximum values. Previously, when monitors reached their upper detection limits a constant surrogate value were used for emissions, however the associated emissions data were not fully representative of actual conditions, particularly during plant upsets or equipment limitations.

To improve accuracy, the updated approach now incorporates Electrostatic Precipitator (ESP) field availability as a key factor when emissions monitors are maxed out. Specifically, surrogate emissions values are calculated based on empirical data obtained from controlled simulations of upset conditions. These simulations provided actual particulate matter (PM) measurements that better reflect emission levels when ESP field availability is reduced or impaired.

As a result of this revised methodology, the station's reported PM emission tonnages for the 2025 financial year have been updated. These changes have led to an overall increase in the reported figures, as shown in Table 2 below. The revised data provides a more accurate and representative account of emissions during periods of abnormal operation or limited abatement efficiency. The exercise of backfitting data was completed in March 2025, as such the total tonnages reported from April to December 2024 monthly reports, are replaced with the tonnages below.

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Table 2: Monthly Emissions Trends 2024/2025 financial year coal fired

Month	PM (tons)	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)
April 2024	1947	15925	7466
May 2024	3299	15233	7205
June 2024	1815	12852	6462
July 2024	3137	15057	7417
August 2024	1768	15390	7628
September 2024	2121	14462	6874
October 2024	1038	13385	6288
November 2024	981	13155	6451
December 2024	1162	13377	6166
January 2025	1251	13183	6090
February 2025	2239	15272	7000
March 2025	2103	16418	7675

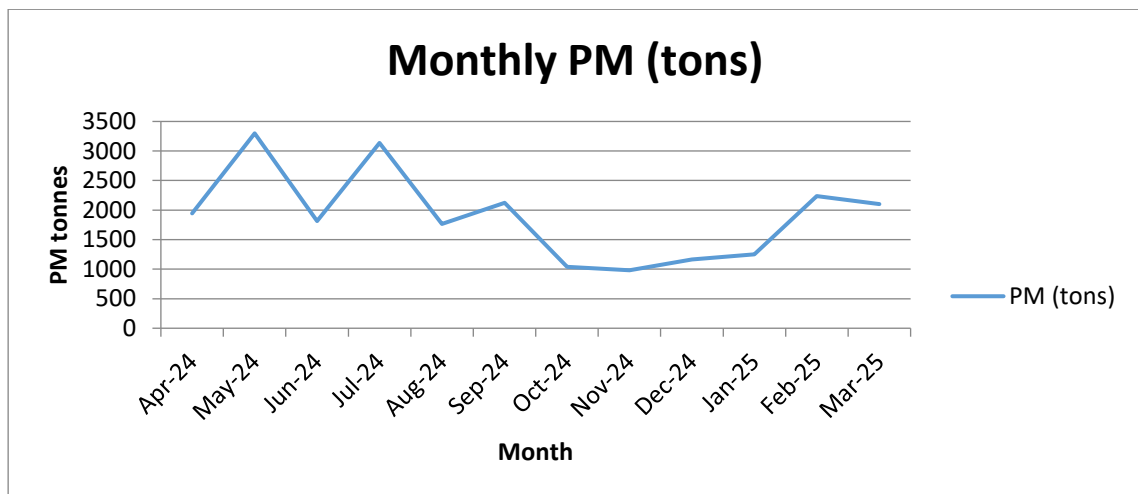


Figure 1: Graphical representation of PM monthly data

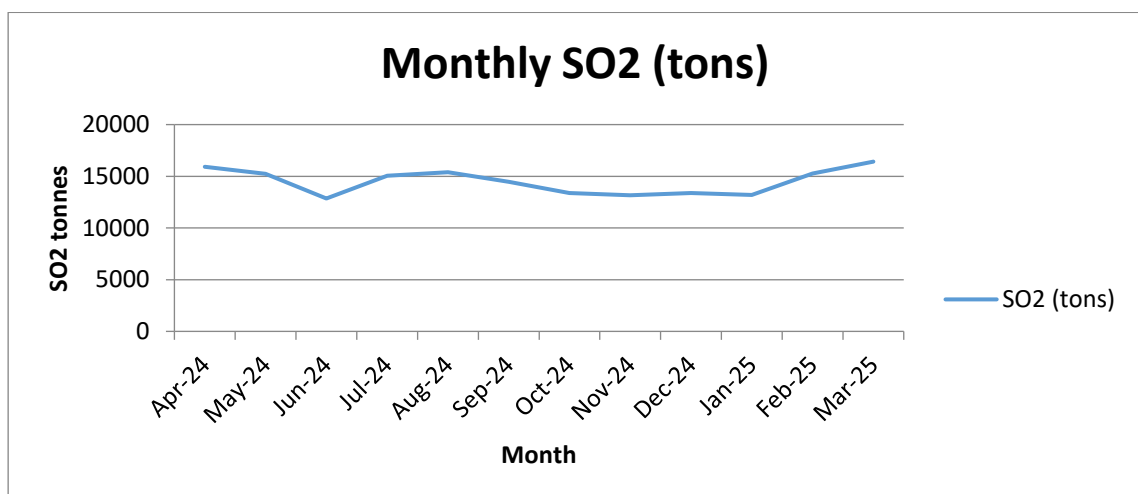


Figure 2: Graphical representation of SO<sub>2</sub> monthly data

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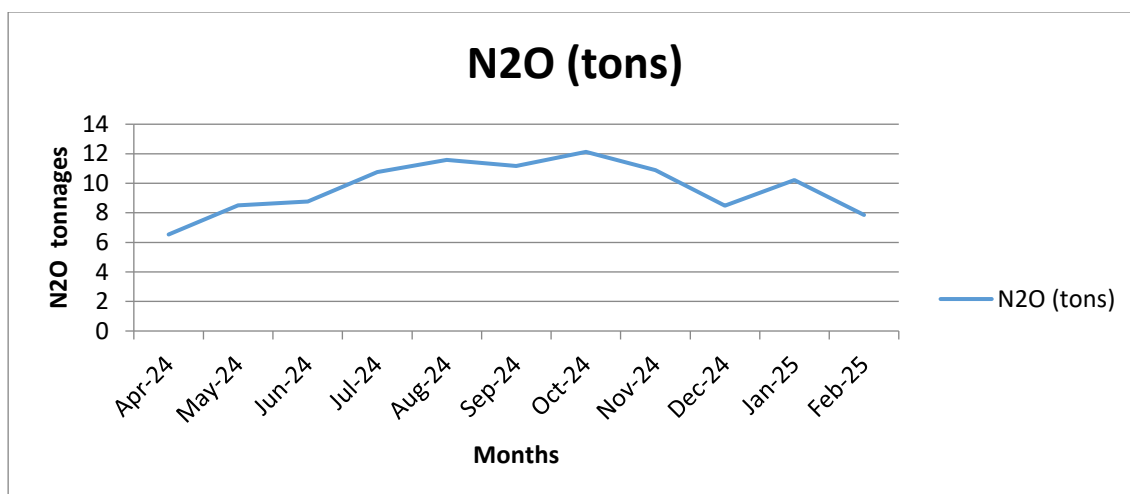


Figure 3: Graphical representation of NO<sub>x</sub> monthly data

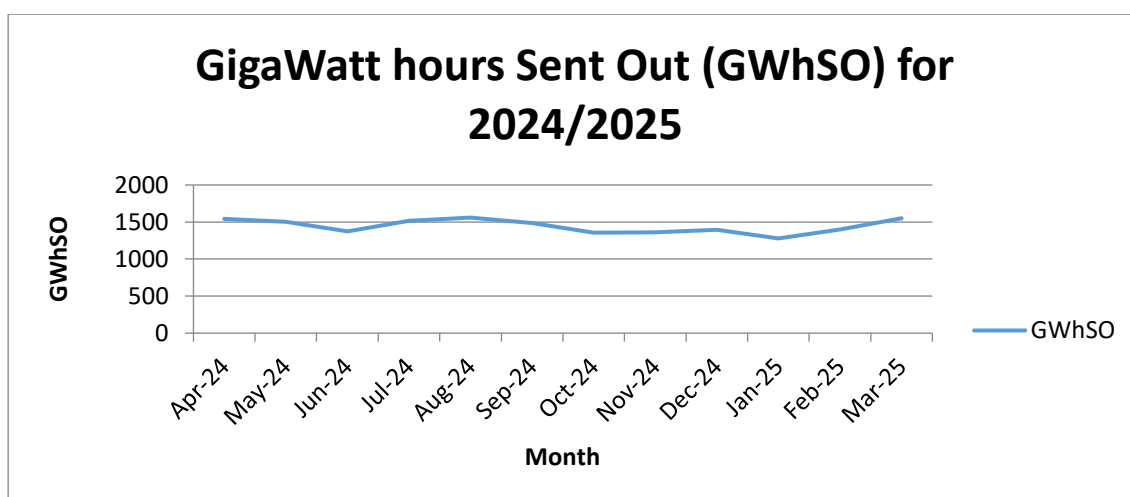


Figure 4: Graphical representation of GigaWatt hours sent out

The emission trends shown in the above table and graphs largely reflect the load of the power station as can be seen in the last graph.

### 3 MONITORING DATA AVAILABILITY

Table 3: A general oversight of monitoring data availability for Lethabo Power Station 2024/2025 in terms of percentage availability for the year. All parameters are above the minimum 80% availability required according to the Minimum Emissions Standards.

Table 3:CEMS Data availability

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
PM	97%	93%	96%	97%	96%	99%
O <sub>2</sub>	95%	95%	98%	98%	97%	96%
SO <sub>2</sub>	96%	95%	98%	98%	97%	96%
NO <sub>x</sub>	96%	95%	100%	98%	90%	78%

NOTE: Availability reported for when units were online only

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## **4 LEGAL COMPLIANCE (AUDIT) REPORT/S**

### **Legal compliance audit**

The biannual environmental legal compliance audit was held in September 2024 to confirm compliance to the environmental authorisations, permits and licenses. Environmental Impact Management Services (Pty) Ltd. (EIMS) was appointed by Eskom to undertake an environmental legal compliance audit of the Lethabo Power Station.

The environmental legal compliance audit has been undertaken to:

- Ensure that the Lethabo Power Station complies with its compliance obligations;
- Determine relevant legislation, licencing and/ permitting requirements;
- Verify compliance to the relevant authorisations, licenses and permits; and
- Provide comprehensive audit findings and recommendations for improvement

No findings were realised against air quality legislation, or the atmospheric emissions licence (AEL) for the station, however the fact that Lethabo PS operates with an expired AEL was noted in the audit report. DFFE issued a letter (Dated 14 July 2020) to Eskom confirming that stations can continue to operate with the existing AEL as if it has not expired, until new decisions on the MES postponement is granted. With the Minimum Emission Standards (MES) exemption application decision concluded, the station is looking forward to being granted a new AEL in the 2026FY.

### **NEMA S30 Incidents and Legal Contraventions**

Eskom Sustainability received communication from DFFE regarding the nature of NEMA Section 30 incidents reported by the organisation, especially referring to incidents related to atmospheric emissions licences (AEL). It is the opinion of DFFE that the majority of the AEL related NEMA Sections 30, do not meet the definition of an incident as these are not “unexpected”, nor “sudden”. As such, the power stations were requested to refrain from reporting emissions related incidents to DFFE as per the guidelines; but rather report such incidents to the local licencing authority as non-compliances. In the light of the request from DFFE it means that any emissions related exceedances lasting for longer than 72 hours, is regarded as the legal contraventions (noncompliance to the AEL).

During the 2025 FY, one NEMA Section 30 incident was reported for Unit 6 PM emissions, in March 2025, and a total of twelve legal contraventions were incurred as a result for exceedances in the 2024/2025 financial year. These incidents were reported to the incensing authority as and when it occurred. One of the legal contraventions reported for Unit 2 (27 December 2025), turned out not be a legal contravention as the exceedances remained within the 72 hour period, as such the legal contravention is now retracted.

Table 4 illustrate incidents where the PM emissions were exceeded for more than 72 hours, and the daily limit was exceeded for NO<sub>x</sub>, and were reported to the licencing authority as legal contraventions to the station’s AEL.

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Table 4: Legal contravention incidents

Type	Incident	Date of Incident	Summary of Event
LC	Unit 3 PM Exceedances	2024/05/11	The SO <sub>3</sub> plant failed to reach dosing temperatures on time and leak repairs had to be performed on the 10th May. Additionally, the ESPs on the unit performed poorly.
LC	Unit 4 PM Exceedances	2024/05/30	The upset conditions were incurred due to the poor performing ESP casings on the unit which were attended to on 31 May and 1 June 2024, after which the emissions normalized on 2 June 2024.
LC	Unit 2 PM Exceedances	2024/06/25	The upset conditions were incurred due to the SO <sub>3</sub> plant off for the Sulphur inlet burner pipe flange and inlet air pipe inlet burner valve. The scope required the plant to be cooled completely before the work could commence safely
LC	Unit 3 PM Exceedances	2024/07/03	The upset conditions were incurred due to the ESP plant poor performance.
LC	Unit 4 PM Exceedances	2024/07/27	The upset conditions were incurred due to poorly performing ESPs and high hopper levels on the dust handling plant exacerbating poor performance
LC	Unit 2 PM Exceedances	2024/08/01	The upset conditions were incurred due to the SO <sub>3</sub> plant off for the blower replacement and air leak repairs. The scope required the plant to be cooled completely before the work could commence safely.
LC	Unit 3 PM Exceedances	2024/08/26	The upset conditions were incurred due to the deteriorating ESPs and SO <sub>3</sub> plant while high hopper levels were experienced on the dust handling plant further aggravating the situation.
LC	Unit 4 PM Exceedances	2024/11/10	To improve the poor performing ESPs on Unit 4, casing washing was done on the RHO casing on 7 and 8 November, with the aim to leave the casing to dry on 9 November and bring the casing on the same day within the 72 hour period for maintenance. On the 9 November 2024, there were delays with the drying of the casing, due to heavy rains which caused water ingress into ESPs. Additionally, hoppers were blocked on the 10th November as a result of water ingress, further contributing to high emissions exceeding 72 hours.
LC	Unit 1 PM Exceedances	2025/01/01	The atmospheric emissions License (AEL) conditions were not complied with due to the challenges with SO <sub>3</sub> plant where the steam and temperature flow were low resulting in the loss of Sulphur flow and causing the spikes in emissions.
LC	Unit 5 PM Exceedances	2025/03/01	The ESP were poor performing, which then contributed to the station's AEL conditions being contravened
S30	Unit 6 PM Exceedances	2025/03/07	The unit was returned to service on the 4th March 2025, after tripping on boiler low drum level earlier that day.

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Type	Incident	Date of Incident	Summary of Event
			When the unit was still under light up conditions the RH ID fan caught fire which meant the unit load could not be increased to the minimum load for the SO <sub>3</sub> plant to be put in service.
LC	Unit 3 PM Exceedances	2025/03/10	The ESP were poor performing, which then contributed to the station's AEL conditions being contravened
LC	Unit 5 PM Exceedances	2025/03/30	The ESP were poor performing, which then contributed to the station's AEL conditions being contravened
Legend: LC: Legal contravention S30: NEMA Section 30 incident			

## 5 MAJOR UPGRADES OR PROJECTS:

### High Frequency Transformer Upgrades

Lethabo Power Station undertook a project for retrofitting all the transformers on the Electrostatic Precipitators (ESP) with High Frequency Transformers (HFT) to improve efficiency of the flue gas cleaning system. In July 2024, Unit 6 was returned to service with the retro fitment complete, marking the completion of this project, however the station. Below the implementation schedule for the HFT project:

- Unit 3 completed January 2021
- Unit 2 completed February 2022
- Unit 5 completed June 2022
- Unit 4 completed February 2023
- Unit 1 completed May 2023
- Unit 6 completed July 2024

### Sulphur Trioxide (SO<sub>3</sub>) Plant Upgrades

The station is currently implementing a project to completely replace the SO<sub>3</sub> plant skids which will greatly improve the reliability and efficiency of the system. Additionally, it will give the assurance of Original Equipment Manufacturer (OEM) support on the SO<sub>3</sub> plants for future maintenance to be conducted on the plants. The station is implementing the project in a phased approach as this work can only be done on extended outages (more than 70 days). To date, Units 1, 3, 4 and 6 were completed while Unit 2 is currently being implemented and is planned to be commissioned in June 2025. Unit 5 implementation is planned to commence in August 2025. Below the implementation schedule for the HFT project:

- Unit 4 completed February 2023
- Unit 1 completed May 2023
- Unit 6 completed July 2024
- Unit 3 completed February 2025
- Unit 2 implementation March 2025

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- Unit 5 implementation August 2025

### **Electrostatic Precipitator (ESP) Upgrade**

To enhance the performance of particulate matter (PM) emissions, the electrostatic precipitator (ESP) upgrade project entails a comprehensive refurbishment of the first four fields on the ESP casings for each unit at the power station. Units 3 and 6 have been completed, however there are optimisation processes which are still being undertaken at both of these units. Once the optimisation is complete the units will be able to perform at the desired PM limits. Table 1 below provide a summary of implementation for the emission reduction projects implementation at the station. The planned implementation schedule for the subsequent units is as follows:

- Unit 6 completed July 2024
- Unit 3 completed February 2025
- Unit 2: 27 January 2025
- Unit 5: 8 August 2025
- Unit 4: 16 January 2026
- Unit 1: 10 August 2026

### **Pulverised Fuel (PF) Burner Refurbishment**

From 2020 to 2022, Lethabo Operating Units had extended outages and extensive refurbishment work was completed on the pulverised fuel (PF) burners, with the intention of improving the combustion process and heat absorption in the furnace. All 36 burners were refurbished where, historically, only partial refurbishments were conducted on the burners during outages. After thorough investigation, it was determined that the refurbishment of all 36 burners at once caused elevated NO<sub>x</sub> to be generated during the combustion process. This was also confirmed by the Original Equipment Manufacturer (OEM). The higher NO<sub>x</sub> would mean that any deviation in the monitors or process conditions may ultimately result in NO<sub>x</sub> exceedances being experienced, this is due to no abatement technology available for NO<sub>x</sub> generation. Through continuous optimising the combustion process and maintenance on the CEMS monitors, the station was able to keep the NO<sub>x</sub> generation to a minimum incurred zero legal contraventions in terms of NO<sub>x</sub> exceedances.

## **6 GREENHOUSE GAS EMISSIONS:**

Greenhouse gas emissions such as CO<sub>2</sub> and N<sub>2</sub>O are no longer reported at station level and is included in the Eskom Greenhouse Gas Emissions Report as per the communication in Annexure B.

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## 7 RESULTS OF SPOT MEASUREMENTS OR CORRELATION TESTS

Overview of dates of last conducted CEMS verification tests for PM, SO<sub>2</sub> and NO<sub>x</sub> as indicated in the table below. The station is in progress of conducting isokinetic tests on all units. Unit 1 is complete.

Table 5: Dates of spot measurements and correlation tests

Unit	PM	SO <sub>2</sub>	NO <sub>x</sub>
Unit 1	May 2022	May 2022	May 2022
Unit 2	April 2022	March 2022	March 2022
Unit 3	March 2024	March 2024	March 2024
Unit 4	April 2022	April 2022	April 2022
Unit 5	September 2022	September 2022	September 2022
Unit 6	April 2022	April 2022	April 2022

Isokinetic testing was conducted on all unit from March-April 2024; however the reports were deemed unacceptable (except for unit 3) for implementation due to the process parameters being out of specification, therefore the station had to redo the tests. However, shortly after the previous tests were done, the contract with the service provider expired and a new contract was established in November 2024. The station is busy undertaking the correlation tests, however load requirements and plant reliability is causing delays in completing the tests.

## 8 NAEIS REPORTING:

The National Atmospheric Emissions Inventory System (NAEIS) report for 2024 reporting period was submitted will be submitted in June 2025. The report will be manually compiled and submitted to DFFE as the online inventory system is currently down, as communicated by the National Air Quality Officer.

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## 9 AN EXPLANATION OF ALL INSTANCES WHERE MINIMUM EMISSION STANDARDS WERE EXCEEDED:

All PM exceedances occurred within the 72-hour grace period for start-ups, shutdown, upset and maintenance conditions as stipulated in section 7.3. of the Lethabo Power Station Atmospheric Emission Licence (FDDM-MET-2011-08-P1). Where the 72 hour grace periods were exceeded a Legal contravention in terms of the AEL were reported and indicated as such indicated in Table 4. Note remediation measure and effectiveness – Load losses and Plant repairs were carried out where possible. Table 6 reflect an overview of Particulate Matter (PM) daily average limit exceedances for 2024/2025 financial year. Zero gaseous exceedances were recorded for the 2024/2025FY.

Table 6 Particulate Matter Exceedances

Exceedance	Unit	Exceedance Date	Reason for exceedance
1	5	01 April 2024	Manual rapping carried out
2	2	02 April 2024	Manual rapping carried out and DHP Challenges
3	3	03 April 2024	Dust handling plant challenges
4	4	03 April 2024	Manual rapping carried out and DHP Challenges
5	3	04 April 2024	Manual rapping carried out.
6	4	04 April 2024	Dust handling plant challenges.
7	5	04 April 2024	Dust handling plant challenges
8	5	05 April 2024	LHI Casing outage
9	3	07 April 2024	SO <sub>3</sub> plant challenges: Sulphur fluctuations due to boiler load
10	5	07 April 2024	ESP Poor Performance
11	3	08 April 2024	Manual rapping carried out
12	2	09 April 2024	Dust handling plant challenges
13	5	09 April 2024	Manual rapping carried out
14	3	10 April 2024	Manual rapping carried out
15	4	11 April 2024	Manual rapping carried out
16	2	13 April 2024	Unit 2 shut-down for boiler tube leak
17	3	13 April 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
18	5	13 April 2024	Manual rapping carried out

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Exceedance	Unit	Exceedance Date	Reason for exceedance
19	3	15 April 2024	Manual rapping carried out and SO <sub>3</sub> plant challenges
20	4	15 April 2024	Dust handling plant challenges
21	3	16 April 2024	Dust handling plant challenges and SO <sub>3</sub> plant challenges
22	3	17 April 2024	Manual rapping carried out and SO <sub>3</sub> plant challenges
23	2	18 April 2024	Unit Light Up
24	4	18 April 2024	Manual rapping carried out
25	3	19 April 2024	Manual rapping carried out and SO <sub>3</sub> plant challenges
26	2	20 April 2024	ESP Poor Performance
27	3	20 April 2024	SO <sub>3</sub> plant challenges: Sulphur plant flow control valve issues
28	4	20 April 2024	ESP Poor Performance
29	5	20 April 2024	Manual rapping carried out and LHI Casing outage
30	2	21 April 2024	RHI ESP casing poor performance (Monitor maxing out)
31	5	21 April 2024	RHO casing outage
32	1	22 April 2024	Manual rapping carried out
33	2	22 April 2024	RHI Casing outage and Manual rapping carried out
34	3	22 April 2024	ESP Poor Performance
35	3	23 April 2024	ESP Poor Performance
36	4	23 April 2024	Manual rapping carried out
37	3	24 April 2024	Manual rapping carried out
38	2	26 April 2024	ESP Poor Performance
39	4	26 April 2024	ESP Poor Performance
40	2	28 April 2024	ESP Poor Performance
41	4	28 April 2024	LHO ESP casing poor performance
42	2	29 April 2024	Manual rapping carried out and ESP poor performance
43	4	29 April 2024	ESP Poor Performance and Manual rapping carried out
44	3	30 April 2024	ESP Poor Performance
45	4	30 April 2024	Unit tripped on black furnace

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Exceedance	Unit	Exceedance Date	Reason for exceedance
46	5	30 April 2024	Dust handling plant challenges and ESP Poor Performance
47	2	01 May 2024	ESP Poor Performance
48	3	01 May 2024	ESP Poor Performance
49	4	01 May 2024	ESP RHO Casing outage
50	2	02 May 2024	LHO ESP casing outage
51	4	02 May 2024	Manual rapping carried out and ESP Poor Performance
52	1	03 May 2024	Unit shut down
53	2	03 May 2024	LHO ESP Casing outage
54	5	03 May 2024	Dust handling plant challenges
55	5	04 May 2024	Manual rapping carried out
56	3	05 May 2024	ESP Poor Performance
57	4	05 May 2024	LHO ESP casing outage and Manual rapping carried out
58	3	06 May 2024	ESP Poor Performance
59	2	07 May 2024	Dust handling plant challenges
60	3	09 May 2024	Manual rapping carried out
61	4	09 May 2024	Manual rapping carried out
62	5	09 May 2024	Manual rapping carried out
63	3	10 May 2024	RHI Casing poor performance and SO <sub>3</sub> plant challenges
64	5	10 May 2024	LHI casing poor performance
65	3	11 May 2024	RHI Casing poor performance and SO <sub>3</sub> plant challenges
66	5	11 May 2024	Dust handling plant challenges and LHI Casing outage
67	3	12 May 2024	Legal contravention reported: Manual rapping carried out and ESP Poor Performance
68	3	13 May 2024	Legal contravention reported: RHI casing outage
69	2	14 May 2024	Manual rapping carried out and RHI casing poor performance
70	3	15 May 2024	LHI casing outage
71	5	15 May 2024	Manual rapping carried out, Dust handling plant challenges and ESP Poor Performance

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Exceedance	Unit	Exceedance Date	Reason for exceedance
72	2	17 May 2024	ESP Poor Performance
73	3	17 May 2024	ESP Poor Performance
74	4	17 May 2024	Dust handling plant challenges
75	5	17 May 2024	ESP Poor Performance
76	2	18 May 2024	RHO Casing Outage
77	4	19 May 2024	Manual rapping carried out
78	1	20 May 2024	Manual rapping carried out
79	2	20 May 2024	RHI Casing Outage
80	4	20 May 2024	LHI Casing Outage
81	5	21 May 2024	LHI Casing Outage
82	2	22 May 2024	Manual rapping carried out
83	3	22 May 2024	ESP Poor Performance
84	5	22 May 2024	RHO Casing outage
85	5	23 May 2024	Unit tripped
86	2	24 May 2024	LHO ESP casing outage
87	3	24 May 2024	ESP Poor Performance
88	1	25 May 2024	Dust handling plant challenges
89	2	25 May 2024	Dust handling plant challenges, ESP Poor Performance Manual rapping carried out
90	4	25 May 2024	LHO poor performance
91	3	26 May 2024	ESP Poor Performance
92	2	27 May 2024	Manual rapping carried out
93	3	27 May 2024	Manual rapping carried out
94	4	27 May 2024	ESP Poor Performance and Dust handling plant challenges
95	4	28 May 2024	ESP Poor Performance and Dust handling plant challenges
96	2	29 May 2024	Dust handling plant challenges
97	4	29 May 2024	Dust handling plant challenges
98	2	30 May 2024	Dust handling plant challenges and SO <sub>3</sub> plant challenges

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Exceedance	Unit	Exceedance Date	Reason for exceedance
99	3	30 May 2024	Manual rapping carried out
100	4	30 May 2024	RHO casing outage and Dust handling plant challenges
101	2	31 May 2024	Dust handling plant challenges and Manual rapping carried out
102	4	31 May 2024	RHO casing outage and Dust handling plant challenges
103	3	01 June 2024	RHI Casing outage
104	4	01 June 2024	Legal contravention reported: LHO casing outage
105	3	03 June 2024	RHI Casing outage
106	2	04 June 2024	Manual rapping carried out
107	2	06 June 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance
108	4	06 June 2024	Manual rapping carried out
109	3	07 June 2024	ESP Poor Performance
110	5	07 June 2024	Unit Light Up
111	1	08 June 2024	Unit tripped
112	4	08 June 2024	Unit shut down
113	3	09 June 2024	LHO casing outage
114	3	10 June 2024	ESP Poor Performance and Dust handling plant challenges
115	4	10 June 2024	Unit Light Up
116	2	11 June 2024	Manual rapping carried out
117	3	11 June 2024	Manual rapping carried out carried
118	5	11 June 2024	Unit Light Up
119	4	12 June 2024	Unit Light Up
120	5	12 June 2024	Unit Light Up
121	2	13 June 2024	Manual rapping carried out
122	3	13 June 2024	LHI casing outage
123	5	13 June 2024	Unit Light Up
124	4	14 June 2024	Unit 4 shut down for Boiler Tube Leak.
125	2	15 June 2024	Unit Light Up

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Exceedance	Unit	Exceedance Date	Reason for exceedance
126	5	15 June 2024	Unit 5 shut down for SSC repairs
127	2	16 June 2024	Unit Light Up
128	2	17 June 2024	Unit Light Up
129	2	19 June 2024	SO <sub>3</sub> plant challenges and Manual rapping carried out.
130	5	19 June 2024	Unit Light Up
131	1	20 June 2024	LHO & RHI ESP Poor Performance
132	4	20 June 2024	Unit Light Up
133	5	21 June 2024	Manual rapping carried out
134	2	22 June 2024	Legal contravention reported: Poor ESP performance and SO <sub>3</sub> plant challenges
135	2	23 June 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and Manual rapping carried out done
136	3	23 June 2024	ESP Poor Performance
137	1	24 June 2024	Manual rapping carried out
138	2	24 June 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and Manual rapping carried out done
139	3	24 June 2024	ESP Poor Performance
140	2	25 June 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and Manual rapping carried out done
141	3	25 June 2024	Dust handling plant challenges, Manual rapping carried out done and ESP Poor Performance
142	4	25 June 2024	ESP Poor Performance (RHI & RHO)
143	2	26 June 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
144	4	26 June 2024	ESP Poor Performance and Dust handling plant challenges
145	2	27 June 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
146	4	27 June 2024	Manual rapping carried out and ESP Poor Performance
147	2	28 June 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
148	5	28 June 2024	Manual rapping carried out
149	2	29 June 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
150	2	30 June 2024	Poor ESP performance and SO <sub>3</sub> plant challenges
151	3	30 June 2024	ESP Poor Performance
152	1	01 July 2024	Manual rapping carried out

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Exceedance	Unit	Exceedance Date	Reason for exceedance
153	2	01 July 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and RHI Casing outage
154	3	01 July 2024	Manual rapping carried out and ESP Poor Performance
155	4	01 July 2024	Dust handling plant challenges
156	2	02 July 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and RHI Casing outage
157	3	02 July 2024	Dust handling plant challenges and ESP Poor Performance
158	2	03 July 2024	Poor ESP performance, SO <sub>3</sub> plant challenges and RHO Casing outage
159	3	03 July 2024	Manual rapping carried out and Dust handling plant challenges
160	4	03 July 2024	Dust handling plant challenges due to A Bucket tripped on bottom alignment.
161	2	04 July 2024	Legal contravention reported: SO <sub>3</sub> plant challenges
162	3	04 July 2024	Legal contravention reported: LHI Casing outage
163	4	04 July 2024	Manual rapping carried out
164	2	05 July 2024	SO <sub>3</sub> plant challenges
165	3	05 July 2024	RHO Casing outage
166	2	06 July 2024	SO <sub>3</sub> plant challenges
167	2	07 July 2024	SO <sub>3</sub> plant challenges
168	2	08 July 2024	SO <sub>3</sub> plant challenges
169	2	09 July 2024	SO <sub>3</sub> plant challenges and Manual rapping carried out done
170	2	10 July 2024	SO <sub>3</sub> plant challenges and Manual rapping carried out done
171	2	11 July 2024	SO <sub>3</sub> plant challenges
172	3	11 July 2024	ESP Poor Performance
173	4	11 July 2024	Manual rapping carried out
174	5	11 July 2024	RHI casing outage
175	3	12 July 2024	ESP Poor Performance
176	5	13 July 2024	Manual rapping carried out
177	3	14 July 2024	ESP Poor Performance
178	1	15 July 2024	Manual rapping carried out
179	3	15 July 2024	ESP Poor Performance

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Exceedance	Unit	Exceedance Date	Reason for exceedance
180	5	15 July 2024	Dust handling plant challenges and ESP Poor Performance
181	2	16 July 2024	Manual rapping carried out
182	2	17 July 2024	SO <sub>3</sub> Plant off for air blower replacement
183	3	17 July 2024	Manual rapping
184	1	18 July 2024	ESP off for secondary air heater repairs
185	2	18 July 2024	Manual rapping carried out
186	4	18 July 2024	Manual rapping carried out
187	1	19 July 2024	Monitor max out due to draught group shutdown
188	3	19 July 2024	Manual rapping carried out and ESP Poor Performance
189	2	21 July 2024	SO <sub>3</sub> Plant off for air blower replacement
190	1	22 July 2024	Manual rapping carried out and ESP Poor Performance
191	2	22 July 2024	SO <sub>3</sub> Plant off for air blower replacement
192	3	22 July 2024	ESP Poor Performance and Dust handling plant challenges.
193	4	22 July 2024	Manual rapping carried out
194	5	22 July 2024	Unit Light Up
195	2	23 July 2024	Unit shut down
196	3	23 July 2024	ESP Poor Performance and Dust handling plant challenges.
197	5	23 July 2024	Unit Light Up
198	3	24 July 2024	ESP Poor Performance and Dust handling plant challenges.
199	4	24 July 2024	ESP Poor Performance and Manual rapping carried out.
200	2	25 July 2024	Unit Light Up
201	4	25 July 2024	Dust handling plant challenges and ESP Poor Performance
202	3	26 July 2024	SO <sub>3</sub> plant challenges
203	4	26 July 2024	Dust handling plant challenges and ESP Poor Performance
204	5	26 July 2024	Manual rapping carried out.
205	6	26 July 2024	Unit Light Up
206	3	27 July 2024	ESP Poor Performance

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<b>Exceedance</b>	<b>Unit</b>	<b>Exceedance Date</b>	<b>Reason for exceedance</b>
207	4	27 July 2024	Legal contravention reported: ESP Poor Performance
208	5	27 July 2024	Dust handling plant challenges and ESP Poor Performance
209	6	27 July 2024	Unit Light Up
210	4	28 July 2024	RHI casing outage
211	3	29 July 2024	Manual rapping carried out
212	2	30 July 2024	Unit Light Up
213	5	30 July 2024	ESP Poor Performance.
214	2	31 July 2024	Unit Light Up
215	3	31 July 2024	ESP Poor Performance
216	2	01 August 2024	Legal contravention reported: SO <sub>3</sub> plant challenges
217	5	01 August 2024	Manual rapping carried out
218	2	02 August 2024	Legal contravention reported: SO <sub>3</sub> plant challenges
219	3	02 August 2024	RHI Casing outage
220	5	02 August 2024	ESP Poor Performance
221	1	03 August 2024	LHO ESP Casing Outage
222	5	03 August 2024	LHI casing outage
223	2	07 August 2024	SO <sub>3</sub> plant challenges
224	3	07 August 2024	Manual rapping carried out
225	2	08 August 2024	SO <sub>3</sub> plant challenges and Manual rapping carried out.
226	4	08 August 2024	Manual rapping carried out
227	2	10 August 2024	ESP Poor Performance and SO <sub>3</sub> plant challenges
228	6	10 August 2024	ESP Poor Performance, Dust handling plant challenges and SO <sub>3</sub> plant off due to load restrictions.
229	6	10 August 2024	Unit tripped
230	1	11 August 2024	RHI ESP Casing outage
231	2	11 August 2024	Manual rapping carried out done, ESP Poor Performance and SO <sub>3</sub> plant challenges
232	3	12 August 2024	Manual rapping carried out done and Poor ESP Casing field performance.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
233	2	13 August 2024	Manual rapping carried out done and SO <sub>3</sub> plant challenges
234	3	14 August 2024	ESP Poor Performance
235	2	15 August 2024	Manual rapping carried out done and SO <sub>3</sub> plant challenges
236	4	15 August 2024	ESP Poor Performance, Manual rapping carried out and Dust handling plant challenges.
237	2	16 August 2024	Unit shut down
238	4	16 August 2024	Dust handling plant challenges, Poor ESP casings performance and SO <sub>3</sub> plant challenges
239	4	17 August 2024	Dust handling plant challenges and ESP Poor Performance.
240	5	17 August 2024	Unit Light Up
241	3	18 August 2024	Manual rapping carried out done and Poor ESP Casing field performance.
242	6	18 August 2024	Unit shutdown
243	2	20 August 2024	Unit Light Up
244	3	20 August 2024	Manual rapping carried out done and Poor ESP Casing field performance.
245	2	21 August 2024	Unit Light Up
246	1	22 August 2024	Dust handling plant challenges and Poor ESP casings performance
247	1	23 August 2024	Dust handling plant challenges and Poor ESP casings performance
248	2	23 August 2024	Unit shutdown for BTL
249	3	23 August 2024	ESP poor performance
250	5	23 August 2024	Manual rapping carried out
251	1	24 August 2024	Dust handling plant challenges and Poor ESP casings performance
252	3	24 August 2024	ESP Poor Performance
253	3	25 August 2024	ESP poor performance and Manual rapping carried out.
254	3	26 August 2024	Legal contravention reported: Dust handling plant challenges and Poor ESP performance.
255	3	28 August 2024	Legal contravention reported: ESP Poor Performance, Manual rapping carried out and Dust handling plant challenges.
256	4	29 August 2024	ESP Poor Performance
257	4	30 August 2024	Manual rapping carried out and Poor ESP casing field performance.
258	3	31 August 2024	Dust handling plant challenges and Poor ESP performance.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
259	5	31 August 2024	Manual rapping carried out
260	1	02 September 2024	Manual rapping carried out.
261	3	04 September 2024	Manual rapping carried out done and ESP Poor Performance.
262	3	05 September 2024	Dust handling plant challenges and ESP Poor Performance.
263	4	05 September 2024	Unit Light Up
264	3	06 September 2024	Unit shut down
265	6	06 September 2024	Unit Light Up
266	1	07 September 2024	ESP casing poor performnce and manual rapping carried out.
267	4	07 September 2024	ESP Poor Performance.
268	4	08 September 2024	Poor ESP casings performance, Dust handling plant challenges and Dust handling plant challenges
269	4	09 September 2024	Dust handling plant challenges and ESP Poor Performance
270	1	10 September 2024	Dust handling plant challenge, ESP Poor Performance and Manual rapping carried out.
271	2	11 September 2024	SO <sub>3</sub> plant challenges and Poor ESP performance.
272	4	11 September 2024	Dust handling plant challenges, Manual rapping carried out and ESP Poor Performance.
273	2	12 September 2024	SO <sub>3</sub> plant challenges and ESP poor performance.
274	5	13 September 2024	RHO casing outage
275	1	14 September 2024	ESP casings poor performance.
276	2	14 September 2024	ESP Poor Performance and SO <sub>3</sub> plant challenges
277	1	15 September 2024	ESP casings poor performance and Dust handling plant challenges
278	2	15 September 2024	Manual rapping carried out done, SO <sub>3</sub> plant challenges, Dust handling plant challenges and ESP Poor Performance.
279	5	15 September 2024	LHI casing outage
280	2	16 September 2024	Dust handling plant challenges and SO <sub>3</sub> plant challenges
281	5	16 September 2024	Manual rapping carried out done and LHI casing poor performance.
282	1	17 September 2024	Dust handling plant challenges and Poor ESP casings preformance.
283	5	17 September 2024	ESP Poor Performance.
284	1	18 September 2024	ESP Poor Performance.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
285	2	18 September 2024	Manual rapping carried out done and ESP Poor Performance.
286	4	18 September 2024	RHI Casing outage
287	1	19 September 2024	Poor ESP casings performance, LHI Casing outage and Dust handling plant challenges
288	5	19 September 2024	Manual rapping carried out done and ESP Poor Performance.
289	2	20 September 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance.
290	2	21 September 2024	SO <sub>3</sub> plant tripped on comms fault and ESP Poor Performance.
291	5	21 September 2024	ESP Poor Performance and Dust handling plant challenges
292	5	23 September 2024	ESP Poor Performance and Dust handling plant challenges
293	2	24 September 2024	Dust Handling Plant standing
294	6	24 September 2024	Unit shutdown for BTL repairs.
295	5	25 September 2024	ESP Poor Performance.
296	2	26 September 2024	Dust handling plant challenges and ESP Poor Performance.
297	5	26 September 2024	ESP Poor Performance.
298	2	27 September 2024	Dust handling plant challenges and ESP Poor Performance.
299	5	27 September 2024	ESP Poor Performance.
300	6	28 September 2024	Unit Light Up
301	2	29 September 2024	Dust handling plant challenges and ESP Poor Performance.
302	5	29 September 2024	ESP Poor Performance.
303	2	30 September 2024	Dust handling plant challenges and ESP Poor Performance.
304	5	30 September 2024	ESP Poor Performance, Manual rapping carried out done and Dust handling plant challenges.
305	2	03 October 2024	ESP Poor Performance.
306	5	03 October 2024	ESP Poor Performance
307	2	04 October 2024	Unit shutdown
308	5	06 October 2024	LHI casing outage
309	6	06 October 2024	Unit 6 shut down for klinker removal.
310	1	07 October 2024	Unit Light Up
311	2	07 October 2024	Unit Light Up

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Exceedance	Unit	Exceedance Date	Reason for exceedance
312	2	08 October 2024	SO <sub>3</sub> plant challenges, RHI ESP casing poor performance and Manual rapping carried out.
313	2	10 October 2024	Manual rapping carried out.
314	5	10 October 2024	ESP Poor Performance and Manual rapping carried out.
315	1	12 October 2024	ESP Poor Performance
316	2	12 October 2024	RHI casing poor performance and taken out for repairs.
317	5	12 October 2024	ESP Poor Performance and Manual rapping carried out.
318	1	13 October 2024	LHO casing outage and Dust handling plant challenges
319	5	14 October 2024	ESP Poor Performance, and Dust handling plant challenges
320	5	15 October 2024	Dust handling plant challenges
321	2	16 October 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance.
322	4	16 October 2024	LHO ESP casing outage
323	2	17 October 2024	RHI Casing washing
324	5	17 October 2024	ESP Poor Performance.
325	2	18 October 2024	RHI Casing washing and SO <sub>3</sub> Plant Challenges
326	5	18 October 2024	ESP Poor Performance and Manual rapping carried out.
327	4	23 October 2024	ESP Poor Performance, and Dust handling plant challenges
328	5	23 October 2024	ESP Poor Performance and Manual rapping carried out.
329	4	24 October 2024	ESP Poor Performance, Dust handling plant challenges and SO <sub>3</sub> Plant Challenges
330	5	24 October 2024	ESP Poor Performance.
331	2	25 October 2024	SO <sub>3</sub> plant challenges and ESP casing poor performance.
332	4	25 October 2024	ESP Poor Performance, Dust handling plant challenges and Dust handling plant challenges
333	2	26 October 2024	SO <sub>3</sub> plant challenges and ESP poor performance
334	5	26 October 2024	RHI casing outage.
335	4	27 October 2024	ESP Poor Performance, and Dust handling plant challenges
336	6	27 October 2024	Unit Light Up
337	4	28 October 2024	ESP Poor Performance, and Dust handling plant challenges
338	5	28 October 2024	SO <sub>3</sub> plant off due to air blower silencer damaged and ESP Poor Performance.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
339	2	29 October 2024	Manual rapping carried out.
340	5	29 October 2024	SO <sub>3</sub> plant off due to air blower silencer damaged and ESP Poor Performance.
341	4	31 October 2024	Manual rapping carried out
342	5	31 October 2024	ESP Poor Performance and Manual rapping carried out.
343	2	31 October 2024	Poor ESP performance
344	2	02 November 2024	Poor ESP performance
345	4	02 November 2024	ESP Poor Performance and Dust handling plant challenges
346	2	03 November 2024	ESP poor performance, Manual rapping carried out done and SO <sub>3</sub> plant challenges
347	4	04 November 2024	ESP Poor Performance
348	4	05 November 2024	ESP Poor Performance and Dust handling plant challenges
349	4	07 November 2024	ESP Poor Performance and RHO Casing Outage.
350	4	08 November 2024	RHO Casing washing
351	4	09 November 2024	RHO Casing washing
352	1	10 November 2024	Routine Manual rapping carried out
353	2	10 November 2024	Dust handling plant challenges
354	4	10 November 2024	Legal contravention Reported: RHO Casing washing
355	5	11 November 2024	ESP Poor Performance.
356	4	13 November 2024	Clean rapping brought forward, and ESP Poor Performance.
357	4	14 November 2024	ESP Poor Performance and Dust handling plant challenges
358	5	14 November 2024	ESP Poor Performance.
359	4	16 November 2024	RHI casing outage
360	5	16 November 2024	ESP Poor Performance.
361	4	17 November 2024	RHI casing outage
362	5	17 November 2024	LHO ESP casing outage
363	1	19 November 2024	Manual rapping carried out, and ESP Poor Performance
364	5	20 November 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance.
365	1	22 November 2024	LHO ESP casing outage

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<b>Exceedance</b>	<b>Unit</b>	<b>Exceedance Date</b>	<b>Reason for exceedance</b>
366	5	22 November 2024	ESP Poor Performance and Dust handling plant challenges
367	1	23 November 2024	RHI ESP casing outage
368	4	23 November 2024	ESP casing poor performance
369	4	24 November 2024	ESP ESP Poor Performance
370	5	24 November 2024	RHI ESP casing outage.
371	4	26 November 2024	ESP Poor Performance and Dust handling plant challenges
372	5	26 November 2024	ESP Poor Performance
373	5	27 November 2024	ESP Poor Performance
374	4	29 November 2024	ESP Poor Performance.
375	4	29 November 2024	ESP Poor Performance.
376	4	30 November 2024	ESP Poor Performance.
377	4	02 December 2024	ESP Poor Performance
378	5	02 December 2024	ESP Poor Performance.
379	4	03 December 2024	RHI Outage
380	4	04 December 2024	Unit shut down
381	5	05 December 2024	ESP Poor Performance.
382	6	07 December 2024	ESP Poor Performance.
383	4	08 December 2024	Unit light up
384	4	09 December 2024	ESP Poor Performance
385	4	11 December 2024	ESP Poor Performance and Dust handling plant challenges
386	4	12 December 2024	ESP Poor Performance and Dust handling plant challenges
387	1	15 December 2024	Unit light up
388	1	16 December 2024	Unit light up
389	2	16 December 2024	Unit light up
390	1	17 December 2024	Unit light up
391	2	17 December 2024	Unit light up
392	4	17 December 2024	ESP Poor Performance.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
393	6	17 December 2024	Unit 6 tripped and brought back to service
394	2	18 December 2024	Unit light up
395	4	18 December 2024	ESP Poor Performance.
396	1	19 December 2024	Dust handling plant challenges and SO <sub>3</sub> plant challenges
397	4	19 December 2024	ESP Poor Performance and Dust handling plant challenges
398	5	20 December 2024	ESP Poor Performance and Dust handling plant challenges
399	2	21 December 2024	ESP Poor Performance and Dust handling plant challenges
400	4	21 December 2024	ESP Poor Performance and Dust handling plant challenges
401	1	22 December 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance.
402	4	22 December 2024	ESP Poor Performance and Dust handling plant challenges
403	5	22 December 2024	ESP casing poor performance.
404	1	23 December 2024	ESP poor performance,Dust handling plant challenges and SO <sub>3</sub> plant challenges
405	5	23 December 2024	ESP Poor Performance and Dust handling plant challenges
406	2	24 December 2024	RHI Casing poor performance.
407	4	24 December 2024	Unit shut down
408	5	25 December 2024	ESP casing poor performance and Manual rapping carried out done
409	2	26 December 2024	ESP Poor Performance and Dust handling plant challenges
410	2	27 December 2024	RHI ESP Casing outage.
411	5	28 December 2024	ESP Poor Performance.
412	1	29 December 2024	SO <sub>3</sub> plant sulphur flow lost.
413	1	30 December 2024	SO <sub>3</sub> plant sulphur flow lost and Dust handling plant challenges
414	1	31 December 2024	SO <sub>3</sub> plant sulphur flow lost.
415	2	31 December 2024	SO <sub>3</sub> plant challenges and ESP Poor Performance.
416	6	31 December 2024	SO <sub>3</sub> plant sulphur flow issues.
417	1	01 January 2025	Legal contravention reported: SO <sub>3</sub> plant sulphur flow lost and Dust handling plant challenges
418	2	01 January 2025	SO <sub>3</sub> plant challenges and ESP Poor Performance.
419	6	01 January 2025	ESP poor performance,Dust handling plant challenges and SO <sub>3</sub> plant challenges

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Exceedance	Unit	Exceedance Date	Reason for exceedance
420	2	02 January 2025	SO <sub>3</sub> plant sulphur flow lost and Dust handling plant challenges
421	2	07 January 2025	ESP Poor Performance.
422	5	07 January 2025	Unit light up
423	1	08 January 2025	Dust handling plant challenge and SO <sub>3</sub> tripped.
424	5	08 January 2025	Unit light up
425	6	08 January 2025	SO <sub>3</sub> plant challenges
426	6	09 January 2025	Unit tripped
427	5	10 January 2025	ESP Poor Performance and Dust handling plant challenges
428	5	12 January 2025	ESP Poor Performance.
429	1	13 January 2025	Unit 1 tripped
430	5	13 January 2025	ESP Poor Performance and Dust handling plant challenges
431	5	15 January 2025	ESP Poor Performance.
432	1	16 January 2025	Unit 1 boiler off due to condenser tube leak repairs.
433	4	16 January 2025	Unit light up
434	4	17 January 2025	Unit light up
435	5	17 January 2025	ESP Poor Performance and SO <sub>3</sub> plant challenges
436	2	18 January 2025	ESP Poor Performance.
437	5	18 January 2025	ESP Poor Performance.
438	2	19 January 2025	ESP Poor Performance and Dust handling plant challenges
439	5	19 January 2025	ESP Poor Performance and Dust handling plant challenges
440	2	21 January 2025	ESP Poor Performance.
441	2	23 January 2025	RHI ESP casing outage.
442	5	23 January 2025	ESP Poor Performance.
443	5	24 January 2025	ESP Poor Performance and Dust handling plant challenges
444	6	24 January 2025	Unit 6 shut down
445	1	25 January 2025	RHO ESP Casing outage.
446	1	26 January 2025	RHO ESP Casing outage.

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Exceedance	Unit	Exceedance Date	Reason for exceedance
447	5	26 January 2025	RHO ESP casing outage.
448	5	27 January 2025	Unit 5 off for BTL repairs.
449	5	04 February 2025	Unit Light Up
450	5	05 February 2025	Unit Light Up
451	1	07 February 2025	Unit 1 draught group tripped on LH side and no sulphur flow.
452	2	07 February 2025	SO <sub>3</sub> plant challenges
453	1	08 February 2025	Unit 1 draught group tripped on LH side and no sulphur flow.
454	2	08 February 2025	SO <sub>3</sub> plant challenges
455	5	08 February 2025	ESP Poor Performance.
456	5	09 February 2025	ESP Poor Performance.
457	2	12 February 2025	ESP Poor Performance.
458	5	12 February 2025	ESP Poor Performance.
459	5	13 February 2025	ESP Poor Performance and Dust handling plant challenges
460	1	14 February 2025	ESP Poor Performance.
461	2	14 February 2025	Unit 2 shutdown
462	1	15 February 2025	ESP Poor Performance and SO <sub>3</sub> Plant tripped due to air blower fault.
463	5	15 February 2025	ESP Poor Performance.
464	6	15 February 2025	RHI ESP casing outage.
465	3	16 February 2025	Unit light up
466	4	16 February 2025	ESP Poor Performance.
467	5	16 February 2025	ESP Poor Performance.
468	1	17 February 2025	LHI ESP Casing outage.
469	3	17 February 2025	Unit light up
470	4	17 February 2025	ESP Poor Performance.
471	5	17 February 2025	ESP Poor Performance.
472	2	18 February 2025	Unit light up
473	3	18 February 2025	Dust handling plant challenges

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Exceedance	Unit	Exceedance Date	Reason for exceedance
474	5	18 February 2025	ESP Poor Performance.
475	2	19 February 2025	Unit light up
476	3	19 February 2025	Dust handling plant challenges
477	2	21 February 2025	Unit tripped and unit start up
478	4	21 February 2025	ESP Poor Performance and Dust handling plant challenges
479	6	21 February 2025	Unit shutdown
480	5	22 February 2025	ESP Poor Performance.
481	1	23 February 2025	ESP Poor Performance.
482	2	23 February 2025	ESP Poor Performance.
483	1	24 February 2025	ESP Poor Performance.
484	2	24 February 2025	ESP Poor Performance.
485	3	24 February 2025	Unit light up
486	4	24 February 2025	ESP Poor Performance.
487	5	24 February 2025	ESP Poor Performance and Dust handling plant challenges
488	1	25 February 2025	ESP Poor Performance.
489	4	25 February 2025	ESP Poor Performance.
490	5	25 February 2025	Unit tripped
491	2	26 February 2025	ESP Poor Performance.
492	3	26 February 2025	ESP Poor Performance
493	4	26 February 2025	Unit shutdown for BTL
494	5	26 February 2025	Unit Light Up
495	1	27 February 2025	ESP Poor Performance and Dust handling plant challenges
496	2	27 February 2025	ESP Poor Performance.
497	3	27 February 2025	ESP Poor Performance.
498	5	27 February 2025	Unit Light Up
499	1	28 February 2025	ESP Poor Performance.
500	5	28 February 2025	Unit Light Up

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Exceedance	Unit	Exceedance Date	Reason for exceedance
501	1	01 March 2025	ESP Poor Performance and Manual rapping carried out.
502	2	01 March 2025	ESP Poor Performance.
503	3	01 March 2025	SO <sub>3</sub> plant challenges and ESP Poor Performance.
504	5	01 March 2025	Legal contravention reported: ESP Poor Performance.
505	2	02 March 2025	RHI ESP casing outage.
506	3	02 March 2025	SO <sub>3</sub> plant challenges and ESP Poor Performance.
507	5	02 March 2025	Legal contravention reported: ESP Poor Performance.
508	1	03 March 2025	ESP Poor Performance.
509	5	03 March 2025	ESP Poor Performance.
510	1	04 March 2025	ESP Poor Performance.
511	5	04 March 2025	ESP Poor Performance.
512	5	05 March 2025	ESP Poor Performance.
513	6	05 March 2025	Unit 6 running with draught group due to RH ID Fan fire
514	1	06 March 2025	ESP Poor Performance.
515	6	06 March 2025	Unit 6 running with draught group due to RH ID Fan fire
516	1	07 March 2025	ESP Poor Performance.
517	3	07 March 2025	ESP Poor Performance.
518	6	07 March 2025	Unit 6 running with draught group due to RH ID Fan fire
519	1	08 March 2025	LHI ESP casing outage.
520	3	08 March 2025	ESP Poor Performance.
521	6	08 March 2025	Section 30 reported: Unit 6 running with draught group due to RH ID Fan fire
522	3	09 March 2025	ESP Poor Performance.
523	4	09 March 2025	SO <sub>3</sub> plant challenges
524	6	09 March 2025	Section 30 reported: Unit 6 running with draught group due to RH ID Fan fire
525	2	10 March 2025	Unit Light Up
526	3	10 March 2025	Legal contravention reported: ESP Poor Performance.
527	4	10 March 2025	SO <sub>3</sub> plant challenges

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Exceedance	Unit	Exceedance Date	Reason for exceedance
528	5	10 March 2025	Unit light up
529	6	10 March 2025	Section 30 reported: Unit 6 running with draught group due to RH ID Fan fire
530	2	11 March 2025	Unit Light Up
531	3	11 March 2025	RHI ESP casing outage and SO <sub>3</sub> plant challenges
532	5	11 March 2025	Unit light up
533	6	11 March 2025	Section 30 reported: Unit 6 running with draught group due to RH ID Fan fire
534	3	12 March 2025	RHI ESP casing outage.
535	3	13 March 2025	ESP poor performance,Dust handling plant challenges and SO <sub>3</sub> plant challenges
536	3	14 March 2025	Unit shutdown
537	5	16 March 2025	ESP Poor Performance and Dust handling plant challenges
538	1	17 March 2025	ESP Poor Performance.
539	5	17 March 2025	ESP Poor Performance.
540	4	18 March 2025	ESP Poor Performance
541	5	18 March 2025	ESP Poor Performance.
542	4	20 March 2025	ESP Poor Performance
543	5	20 March 2025	ESP Poor Performance.
544	1	21 March 2025	Unit 1 tripped
545	4	21 March 2025	ESP poor performance and Dust handling plant challenges
546	5	21 March 2025	ESP Poor Performance and Dust handling plant challenges
547	1	23 March 2025	LHO ESP casing outage.
548	5	23 March 2025	ESP Poor Performance.
549	5	24 March 2025	ESP Poor Performance and Dust handling plant challenges
550	5	25 March 2025	ESP Poor Performance and Dust handling plant challenges
551	6	25 March 2025	ESP Poor Performance.
552	4	27 March 2025	ESP Poor Performance.
553	5	27 March 2025	ESP Poor Performance.
554	4	28 March 2025	ESP Poor Performance and Dust handling plant challenges

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Exceedance	Unit	Exceedance Date	Reason for exceedance
555	5	28 March 2025	ESP Poor Performance.
556	1	29 March 2025	ESP Poor Performance.
557	3	29 March 2025	Unit Light Up
558	5	29 March 2025	LHI casing outage.
559	1	30 March 2025	ESP Poor Performance.
560	3	30 March 2025	Unit Light Up
561	4	30 March 2025	ESP Poor Performance and Dust handling plant challenges
562	5	30 March 2025	Legal contravention reported: LHI casing outage.
563	5	31 March 2025	LHI casing outage.

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## 10 ABBREVIATIONS

Abbreviation	Description
CEMS	Continuous Emissions Monitoring System
CO <sub>2</sub>	Carbon Dioxide
DFFE	Department of Forestry, Fisheries and the Environment
DHP	Dust Handling Plant
ESP	Electrostatic Precipitator
FD	Forced Draft
FY	Financial Year
GHG	Green House Gases
ID	Induced Draft
LH	Left Hand
LHI	Left Hand Inner
LHO	Left Hand Outer
N <sub>2</sub> O	Nitrous Oxide (dinitrogen oxide)
NAEIS	Nation Atmospheric Emissions Inventory System
NEMA	National Environmental Management Act
NO <sub>x</sub>	Nitrogen Oxides
O <sub>2</sub>	Oxygen
PF	Pulverised Fuel
PLC	Programmable Logic Controller
PM	Particulate Matter
PTW	Permit To Work
RH	Right Hand
RHI	Right Hand Inner
RHO	Right Hand Outer
RT&D	Research, Testing and Development Department
SO <sub>2</sub>	Sulphur Dioxide
SO <sub>3</sub>	Sulphur Trioxide
S30	NEMA Section 30 Incident
SSC	Submerged Scraper Conveyor
VSD	Variable Speed Drive

## 11 LIST OF ANNEXURES

Annexure A	DEA GHG Reporting and AELs Exclusion of CO <sub>2</sub> from monthly reports
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**Annexure A - DEA GHG Reporting and AELs Exclusion of CO<sub>2</sub> from monthly reports**



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Enquiries: Mr Vumile Senene  
Tel: (012) 399 9217 Email: [VSenene@environment.gov.za](mailto:VSenene@environment.gov.za)

Atmospheric Licensing Authorities  
Atmospheric Emission License Holders

Dear All,

**RE: Clarity on Greenhouse Gas Emission Reporting – According to the National Environmental Management: Air Quality Act 39 of 2004 (AQA).**

This letter serves to inform Atmospheric Emission License (AEL) holders and remind Atmospheric Emission Licensing Authorities (AELA) about the agreement reached on reporting of greenhouse gas emissions for the purpose of meeting AEL reporting requirements and the country's reporting requirements to national climate change obligations.

Section 43 of the AQA stipulates the contents of a provisional atmospheric emission license and an atmospheric emission license. In this regard S43 (1)(l); states that – *A provisional atmospheric emission license and an atmospheric emission license must specify: greenhouse gas emission measurement and reporting requirements.* In the first quarter of the financial year 2017/18 MINTEC and MINMEC management meetings, it was agreed that all AELs shall stipulate the following "Reporting in terms of S43 (1)(l) shall be done in accordance with the National Greenhouse Gas Reporting Regulations".

In light of this, AELs will be reviewed (according to the schedule prepared by the AELAs) to include this same reporting phrase. The reporting phrase will be inserted into existing AELs that are due for renewal during the renewal process. Finally, the AEL application template has been amended to include this phrase.

Yours Sincerely,

**Dr Thuli Khumalo**  
**National Air Quality Officer**  
**Date: 15 May 2019**

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