



Technical and Generic Report

Matimba Power Station

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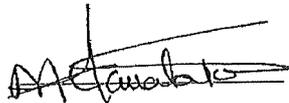
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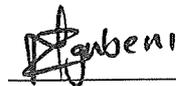
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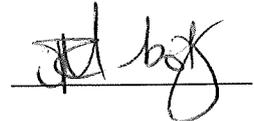
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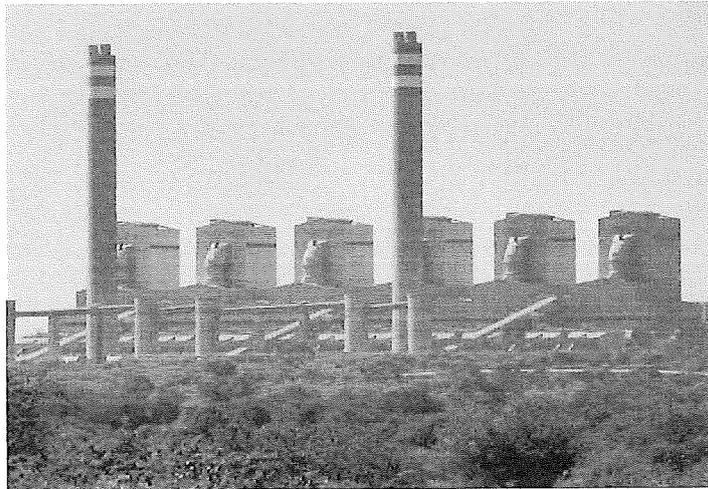
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## 1. Report Summary

Matimba Power Station was issued with an Atmospheric Emission License (H16/1/13-WDM05) in September 2022. The License requires the license holder to submit monthly reports to the Department. This report contains the required information as specified in the license for November 2025. The information recorded in the report is obtained from Matimba Emission Reporting tool MTB0925ERT.



During the period under review, Matimba experienced three (3) exceedances of the daily particulate matter emission limit ( $50\text{mg}/\text{Nm}^3$ ) which occurred within the 48-hour grace period.

There were no exceedances of the monthly  $\text{SO}_x$  limit ( $3500\text{mg}/\text{Nm}^3$ ) and the daily  $\text{NO}_x$  emission limit ( $750\text{mg}/\text{Nm}^3$ ).

Flue gas conditioning plant availability was above 90% for all operating units.

The consumption rates for fuel oil for the month of November 2025 exceeded the limit of 1200 tons by 2506.9 tons due to multiple light ups and combustion support across all units.

More information regarding above mentioned issues is provided in the relevant sections within the report.

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## 2. Emission information

### 2.1 Raw materials and products

Table 1: Quantity of Raw Materials and Products used/produced for the month.

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption Rate (Quantity)	Consumption Rate
	Coal	Tons/month	1 500 000	836 288.00
	Fuel Oil	Tons/month	1 200	2506.99
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted (Quantity)	Production Rate
	Energy	MW	4000	1451.66
	Ash	Tons/month	547500	290 029.39

The consumption rates for fuel oil for the month of November 2025 exceeded the permitted maximum limits due to unit 4 multiple light ups and combustion support across all units.

### 2.2 Abatement technology

Table 2: Abatement Equipment Control Technology Utilised

Associated Unit	Technology Type	Minimum utilisation (%)	Efficiency (%)
Unit 1	Electrostatic Precipitator	100%	99.93%
Unit 2	Electrostatic Precipitator	100%	99.80%
Unit 3	Electrostatic Precipitator	100%	99.98%
Unit 4	Electrostatic Precipitator	100%	99.96%
Unit 5	Electrostatic Precipitator	100%	Unit off
Unit 6	Electrostatic Precipitator	100%	99.94%
Associated Unit	Technology Type	Minimum utilisation (%)	Actual Utilisation (%)
Unit 1	SO <sub>3</sub> Plant	100%	98%
Unit 2	SO <sub>3</sub> Plant	100%	97%
Unit 3	SO <sub>3</sub> Plant	100%	97%
Unit 4	SO <sub>3</sub> Plant	100%	93%
Unit 5	SO <sub>3</sub> Plant	100%	Unit Off
Unit 6	SO <sub>3</sub> Plant	100%	95%

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Flue gas conditioning plant availability was above 90% for unit 1 ,2,3,4 and unit 6. All units SO3 plant availability was impacted by the plants was on hold when running with low load.

Table 3: Energy Source Material Characteristics.

	Characteristic	Stipulated Range (Unit)	Monthly Average Content
Coal burned	Sulphur Content	1.6%	1.23%
	Ash Content	40%	34.68%

Energy source characteristics remained within the ranges stipulated in the license.

### 2.3 Emissions reporting

#### 2.3.1 Particulate Matter Emissions

The emission monitors correlation and parallel tests were performed on unit 2,3 and 4 in June 2024 and the curves were applied on emissions calculations for November 2025. Unit 1,5 and 6 emission calculations were done using the correlation/parallel tests curves from the spot test performed in August 2023. Unit 2 PM correlation curve applied is linear curve, Unit 3 and 4 PM correlation curve applied is polynomial curve.

Unit 1 Particulate Emissions

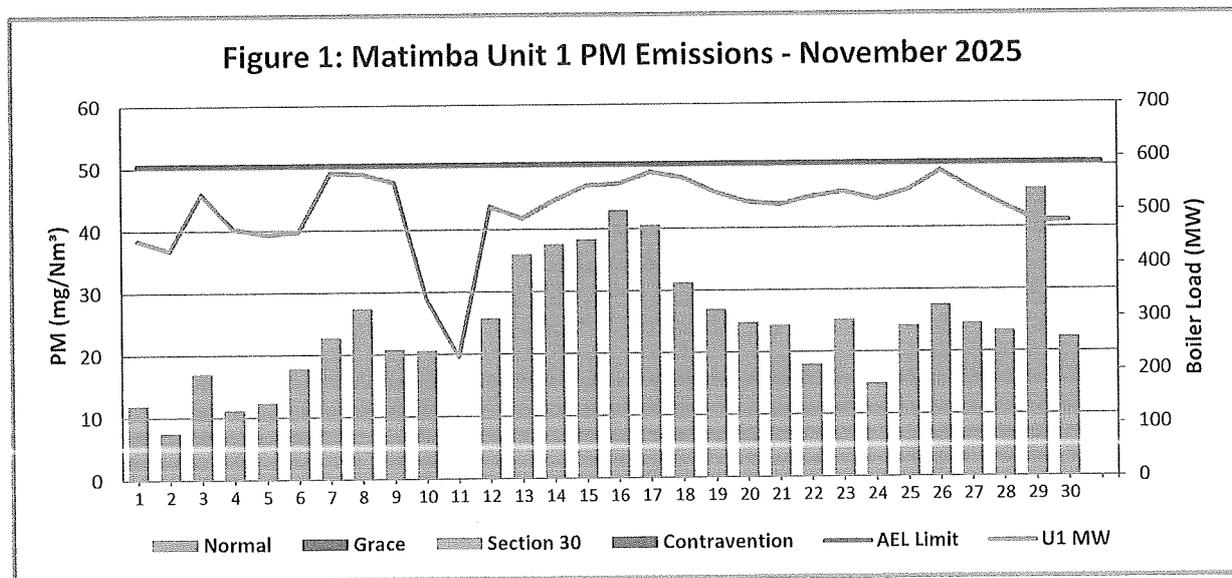


Figure 1: Particulate matter daily average emissions against emission limit for unit 1 for the month of November 2025

**Interpretation:** Unit 1 daily particulate emission remained within the limit of 50 mg/Nm<sup>3</sup> for the month of November 2025. On the 11<sup>th</sup> the unit tripped around 07:23 am due to CPU module faulty and was light up the same day around 15:53. On the 11<sup>th</sup> the emission calculations were not applicable as indicated as 24 hours after unit startup.

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Unit 2 Particulate Emissions

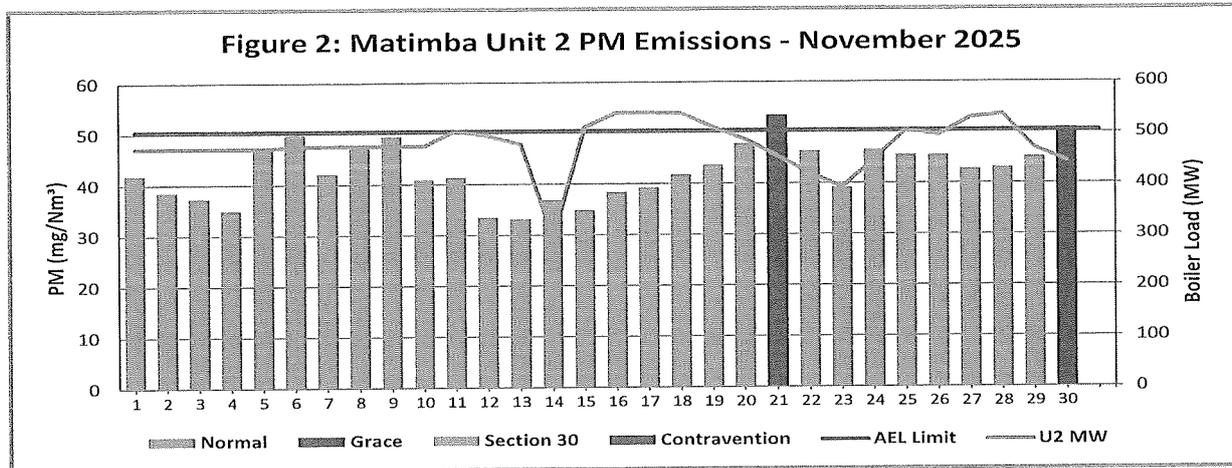


Figure 2: Particulate matter daily average emissions against emission limit for unit 2 for the month of November 2025

**Interpretation:** Unit 2 exceeded the daily particulate emission limit of 50 mg/Nm<sup>3</sup> on 21<sup>st</sup> and the 30<sup>th</sup> of November 2025 due to DHP accumulating high hopper levels which resulted in ESP inefficiency, the plant upsets conditions were resolved, and both exceedances remain within the 48-hour grace period.

Unit 3 Particulate Emissions

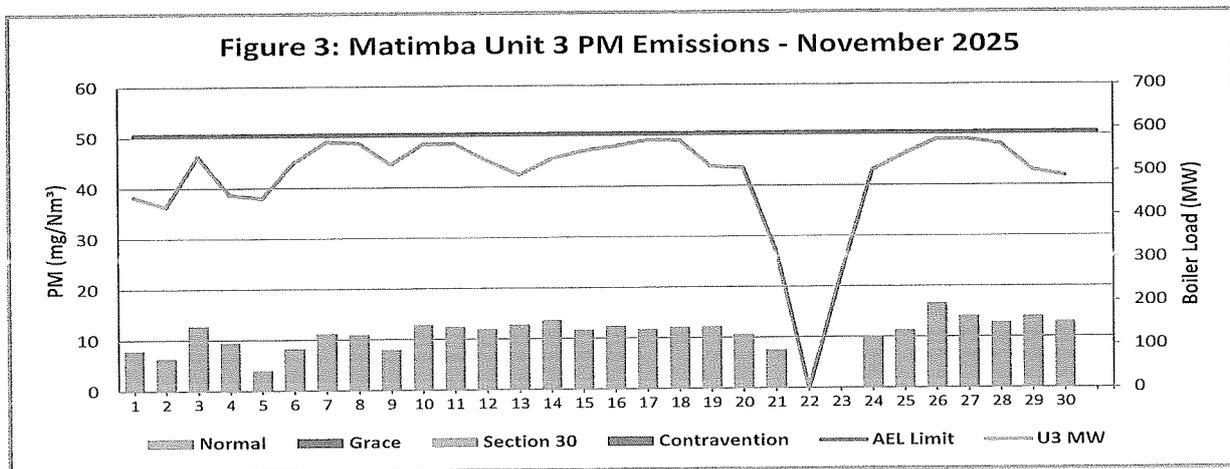


Figure 3: Particulate matter daily average emissions against emission limit for unit 3 for the month of November 2025

**Interpretation:** Unit 3 daily particulate emission remained within the limit of 50 mg/Nm<sup>3</sup> for the month of November 2025. On the 21<sup>st</sup> the unit was taken off for maintenance and was light up on the 22<sup>nd</sup>. On the 23<sup>rd</sup> the emission calculations were not applicable as indicated as 24 hours after unit startup.

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Unit 4 Particulate Emissions

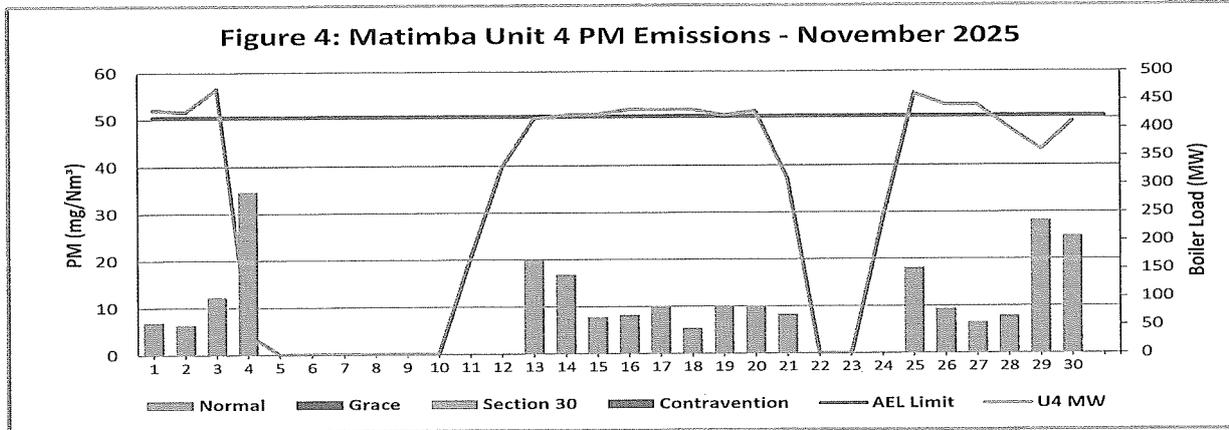


Figure 4: Particulate matter daily average emissions against emission limit for unit 4 for the month of November 2025

**Interpretation:** Unit 4 daily particulate emission remained within the limit of 50 mg/Nm<sup>3</sup> for the month of November 2025. The unit was taken off for maintenance on the 4<sup>th</sup> and the 22<sup>nd</sup>, with light up happening on the 11<sup>th</sup> and 23<sup>rd</sup> respectively. On the 12<sup>th</sup> and 24<sup>th</sup> the emission calculations were not applicable as indicated as 24 hours after unit startup.

Unit 5 Particulate Emissions

Unit on outage

Unit 6 Particulate Emissions

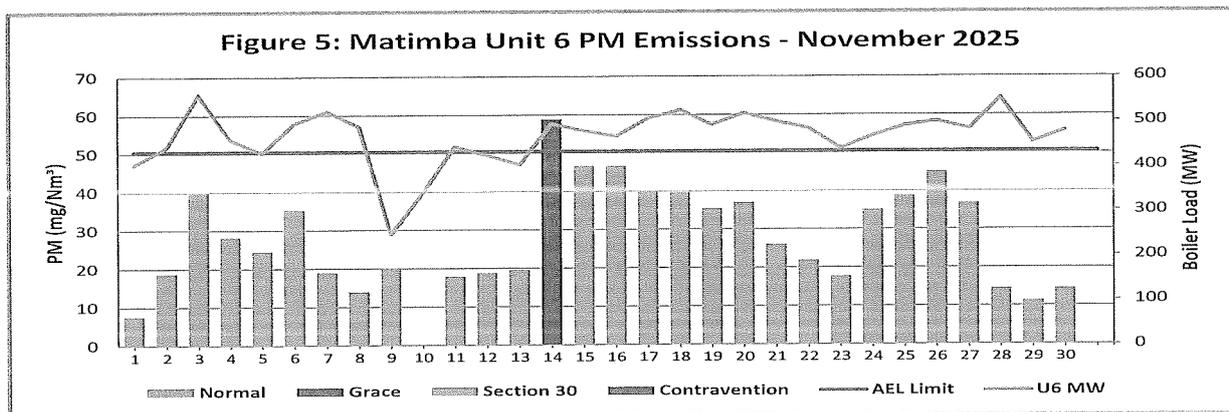


Figure 5: Particulate matter daily average emissions against emission limit for unit 6 for the month of November 2025

**Interpretation:** Unit 6 exceeded the daily particulate emission limit of 50 mg/Nm<sup>3</sup> on 14<sup>th</sup> of November 2025 due to DHP accumulating high hopper levels which resulted in ESP inefficiency, the plant upsets conditions were resolved, and the exceedances remain within the 48-hour grace period.

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On the 9th the unit due to turbine trip due to hot well level high and was light up the same day. On the 10th the emission calculations were not applicable as indicated as 24 hours after unit startup.

**2.3.2 Gaseous Emissions**

Gaseous emissions analyzers calibration for all 6 units were performed in September 2025 as per the Eskom emission standard requirement.

The quality assurance tests (QAL2) used for November 2025 emission calculations were performed in June 2024 for Unit 2,3 and 4. Unit 1,5 and 6 quality assurance curves utilized are spot tests performed in August 2023

**2.3.2.a SOx Emissions**

**Unit 1 SO<sub>2</sub> Emissions**

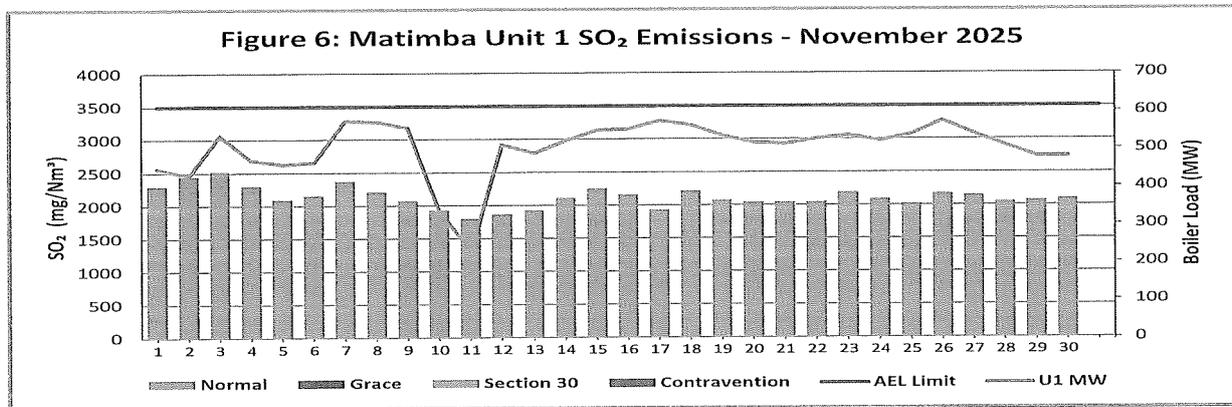


Figure 6: SO<sub>2</sub> daily average emissions against emission limit for unit 1 for the month of November 2025

Interpretation: All daily averages below SO<sub>2</sub> emission monthly limit of 3500 mg/Nm<sup>3</sup>.

**Unit 2 SO<sub>2</sub> Emissions**

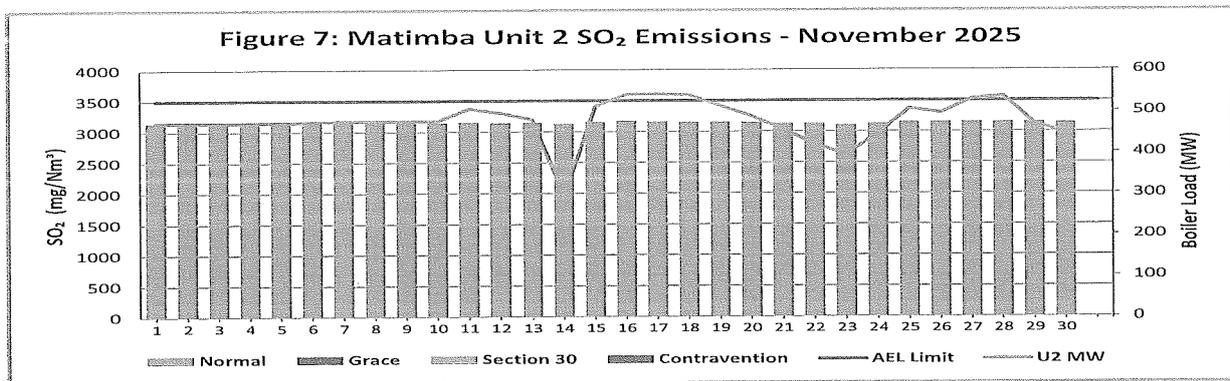


Figure 7: SO<sub>2</sub> daily average emissions against emission limit for unit 2 for the month of November 2025

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**Interpretation:** All daily averages below SO<sub>2</sub> emission monthly limit of 3500 mg/Nm<sup>3</sup>. SRM (Standard Reference Measurements) from the QAL 2 tests report for all the gaseous parameters were used to calculate the SO<sub>2</sub> gaseous emissions for unit 2 in November 2025 due to defective monitor.

Unit 3 SO<sub>2</sub> Emissions

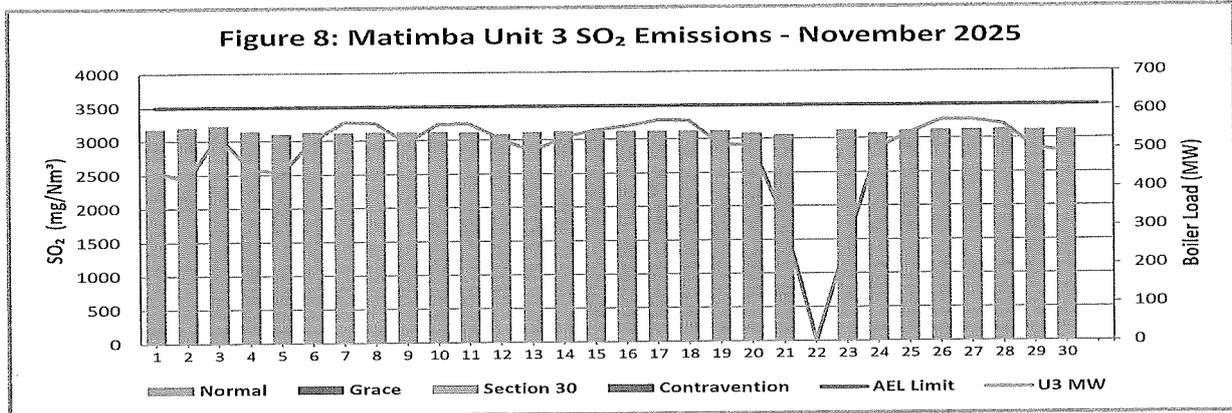


Figure 8: SO<sub>2</sub> daily average emissions against emission limit for unit 3 for the month of November 2025

**Interpretation:** All daily averages below SO<sub>2</sub> emission monthly limit of 3500 mg/Nm<sup>3</sup>. SRM (Standard Reference Measurements) for all the gaseous parameters were used to calculate the SO<sub>2</sub> gaseous emissions for unit 3 in November 2025 due to defective monitor.

Unit 4 SO<sub>2</sub> Emissions

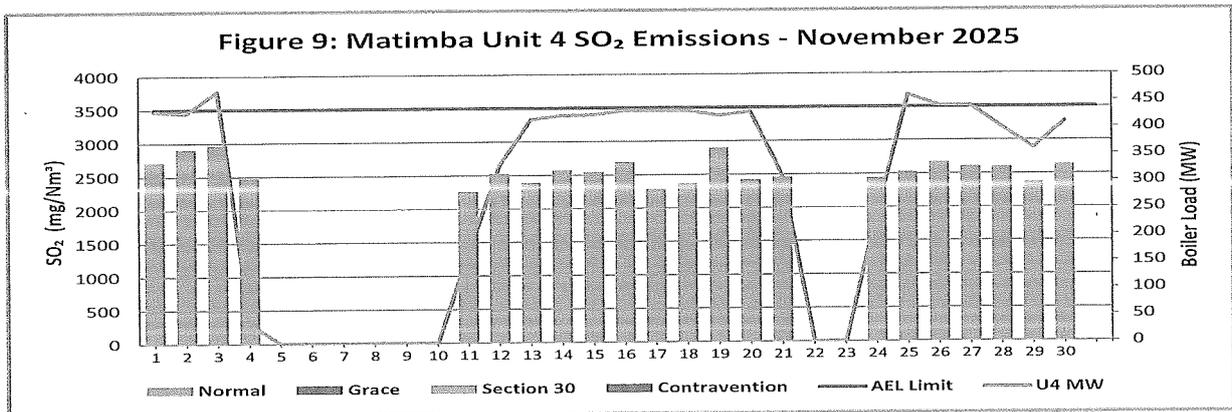


Figure 9: SO<sub>2</sub> daily average emissions against emission limit for unit 4 for the month of November 2025

**Interpretation:** All daily averages below SO<sub>2</sub> emission monthly limit of 3500 mg/Nm<sup>3</sup>.

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Unit 5 SO<sub>2</sub> Emissions

Unit on outage

Unit 6 SO<sub>2</sub> Emissions

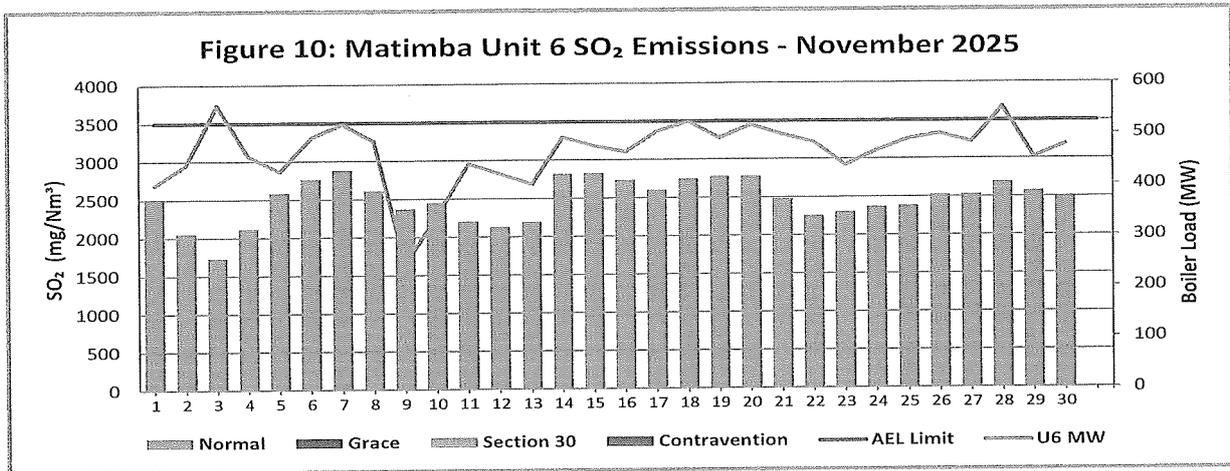


Figure 10: SO<sub>2</sub> daily average emissions against emission limit for unit 6 for the month of November 2025

Interpretation: All daily averages below SO<sub>2</sub> emission monthly limit of 3500 mg/Nm<sup>3</sup>.

2.3.2.b NO<sub>x</sub> Emissions

Unit 1 NO<sub>x</sub> Emissions

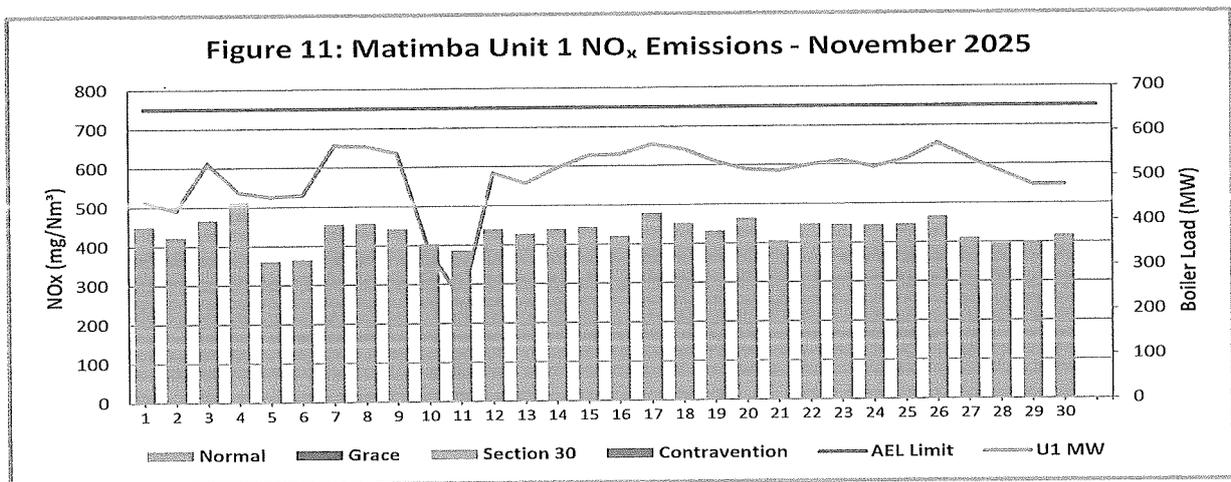


Figure 11: NO<sub>x</sub> daily average emissions against emission limit for unit 1 for the month of November 2025

Interpretation: All daily averages below NO<sub>x</sub> emission limit of 750 mg/Nm<sup>3</sup>.

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Unit 2 NO<sub>x</sub> Emissions

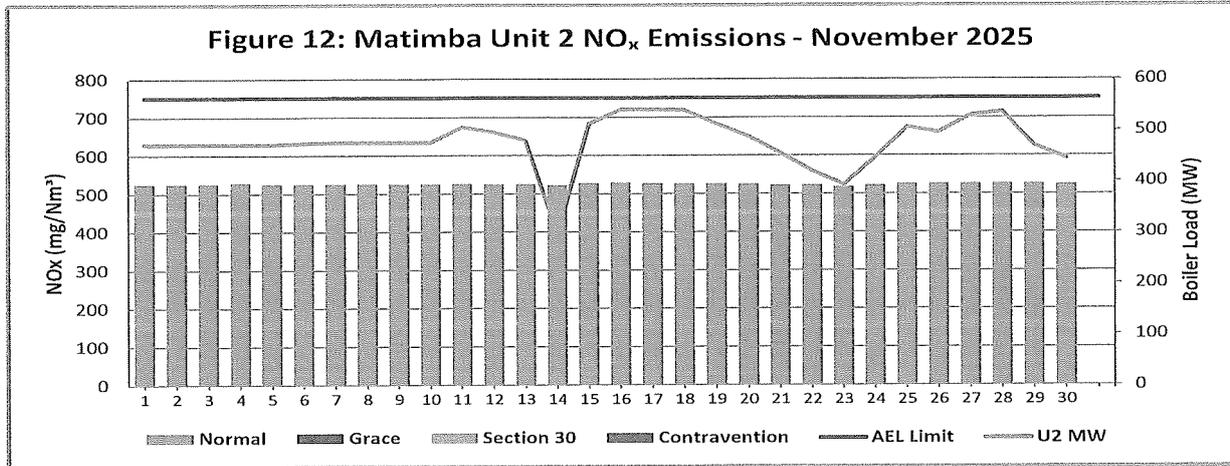


Figure 12: NO<sub>x</sub> daily average emissions against emission limit for unit 2 for the month of November 2025

**Interpretation:** All daily averages below Nox emission monthly limit of 750 mg/Nm<sup>3</sup>. SRM (Standard Reference Measurements) from the QAL 2 tests report for all the gaseous parameters were used to calculate the NO<sub>x</sub> gaseous emissions for unit 2 in November 2025 due to defective monitor.

Unit 3 NO<sub>x</sub> Emissions

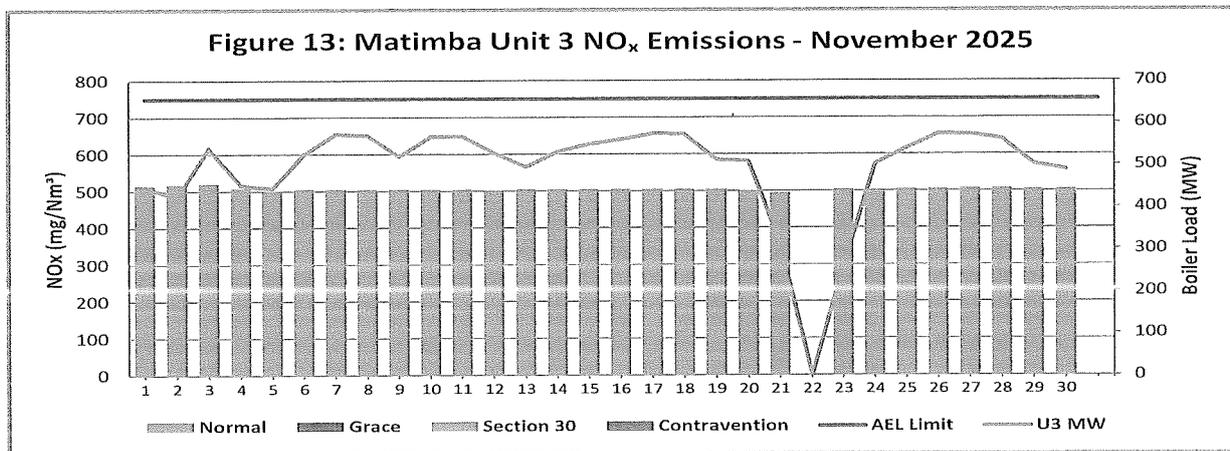


Figure 13: NO<sub>x</sub> daily average emissions against emission limit for unit 3 for the month of November 2025

**Interpretation:** All daily averages below Nox emission monthly limit of 750 mg/Nm<sup>3</sup>. SRM (Standard Reference Measurements) from the QAL 2 tests report for all the gaseous parameters were used to calculate the NO<sub>x</sub> gaseous emissions for unit 3 in November 2025 due to defective monitor.

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Unit 4 NO<sub>x</sub> Emissions

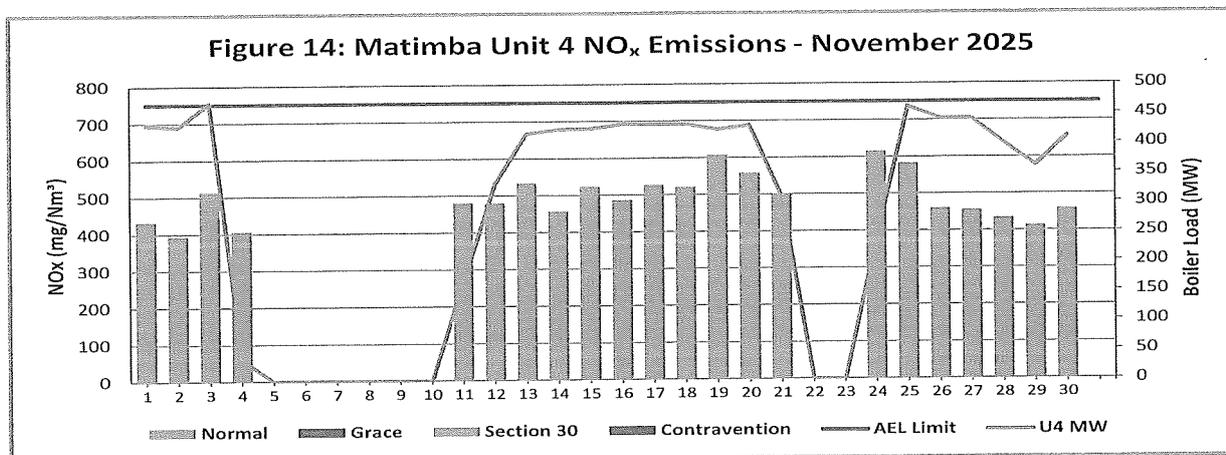


Figure 14: NO<sub>x</sub> daily average emissions against emission limit for unit 4 for the month of November 2025

Interpretation: All daily averages below NO<sub>x</sub> emission limit of 750 mg/Nm<sup>3</sup>.

Unit 5 NO<sub>x</sub> Emissions

Unit on outage

Unit 6 NO<sub>x</sub> Emissions

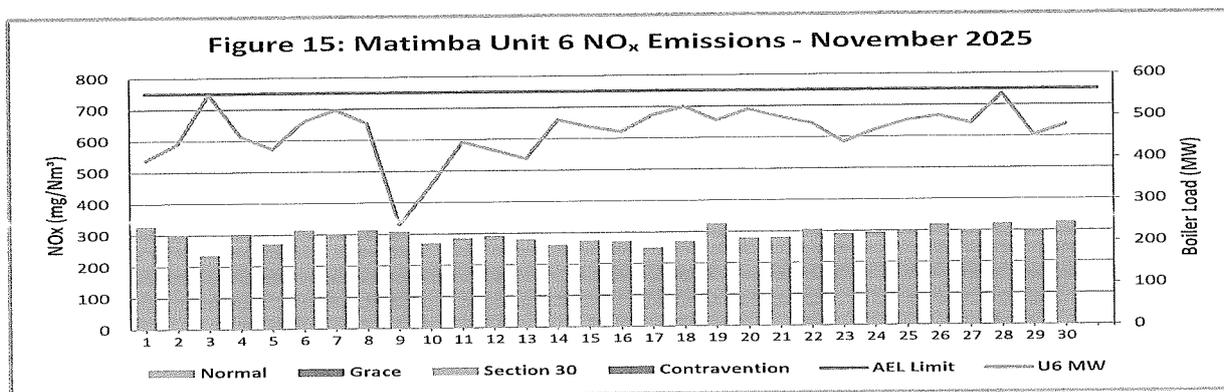


Figure 15: NO<sub>x</sub> daily average emissions against emission limit for unit 6 for the month of November 2025

Interpretation: All daily averages below NO<sub>x</sub> emission limit of 750 mg/Nm<sup>3</sup>.

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2.3.3 Total Volatile Organic Compounds

Table 4: Total volatile compound estimates

		
CALCULATION OF EMISSIONS OF TOTAL VOLATILE COMPOUNDS FROM FUEL OIL STORAGE TANKS*		
Date:	Wednesday, 17 December 2025	
Station:	Matimba Power Station	
Province:	Limpopo Province	
Tank no.:	1-4	
Description:	Outdoor fuel oil storage tank	
Tank Type:	Vertical fixed roof (vented to atmosphere)	
Material stored:	Fuel Oil 150	
MONTHLY INPUT DATA FOR THE STATION Please only insert relevant monthly data inputs into the <i>blue cells</i> below Choose from a dropdown menu in the <i>green cells</i> The total VOC emissions for the month are in the <i>red cells</i> IMPORTANT: Do not change <i>any</i> other cells without consulting the AQ CoE		
MONTH:	November	
GENERAL INFORMATION:		
	Data	Unit
Total number of fuel oil tanks:	4	NA
Height of tank:	13.34	m
Diameter of tank:	9.53	m
Net fuel oil throughput for the month:	<b>2506.898</b>	
Molecular weight of the fuel oil:	166.00	Lb/lb-mole
METEROLOGICAL DATA FOR THE MONTH		
	Data	Unit
Daily average ambient temperature	26.22	°C
Daily maximum ambient temperature	32.63	°C
Daily minimum ambient temperature	20.19	°C
Daily ambient temperature range	12.44	°C
Daily total insolation factor	6.14	kWh/m <sup>2</sup> /day
Tank paint colour	<i>Grey/medium</i>	NA
Tank paint solar absorbance	0.68	NA
FINAL OUTPUT:		
	Result	Unit
Breathing losses:	0.59 kg/month	
Working losses:	0.07 kg/month	
<b>TOTAL LOSSES (Total TVOC Emissions for the month):</b>	<b>0.66 kg/month</b>	
*Calculations performed on this spreadsheet are taken from the USEPA AP-42- Section 7.1 Organic Liquid Storage Tanks - January 1996. This spreadsheet is derived from materials provided by Jimmy Peress, PE, Trittech Consulting Engineers, 85-93 Chevy Chase Street, Jamaica, NY 11432 USA, Tel - 718-454-3920, Fax - 718-454-6330, e-mail - PeressJ@nyc.rr.com.		

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### 2.3.4 Greenhouse gas (CO<sub>2</sub>) emissions

CO<sub>2</sub> emissions are reported in terms of the Greenhouse gas reporting regulations (GN 43712, GNR. 994/2020) and are not included in the monthly AEL compliance report.

### 2.4 Daily power generated.

Table 5: Daily power generated per unit in MWh for the month of November 2025

Date	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
2025/11/01	9695.79	8861.95	9646.7	9437.45	0	8662.59
2025/11/02	9279.97	8815.42	9162.77	9385.2	0	9555.65
2025/11/03	11651.3	10616.2	11727.9	10253.9	0	12136.9
2025/11/04	10182	8985.7	9703.66	324.847	0	9920.24
2025/11/05	9953	9957.04	9615.08	0	0	9258.89
2025/11/06	10038	10624.9	11410.1	0	0	10706
2025/11/07	12487	10786	12470.3	0	0	11340.5
2025/11/08	12444.4	11524.4	12401.8	0	0	10583.5
2025/11/09	12083.3	9975.49	11326.3	0	0	5265.89
2025/11/10	7103.89	10573.6	12334.3	0	0	7226.73
2025/11/11	4138.24	10997.1	12332.2	3282.24	0	9548.36
2025/11/12	11060.5	10632.9	11453.9	7062	0	9097.99
2025/11/13	10555.3	10290.5	10708.2	9018.53	0	8605.25
2025/11/14	11319.2	6102.55	11542.8	9186.74	0	10682.4
2025/11/15	11948.7	11065.9	11946.3	9205.14	0	10301
2025/11/16	12005.9	11653.7	12174.5	9364.54	0	10043.2
2025/11/17	12485.8	11673.6	12489.3	9344.14	0	10925.1
2025/11/18	12241	11647.8	12464.1	9356.57	0	11359.3
2025/11/19	11612.6	11031.8	11105.3	9165.28	0	10607.5
2025/11/20	11196.3	10479.9	11009.1	9335.84	0	11175.7
2025/11/21	11093.8	9767.78	6638.06	6508.9	0	10722.3
2025/11/22	11412.6	8989.81	0	0	0	10387.3
2025/11/23	11608.9	8379.14	5359.66	0	0	9407.26
2025/11/24	11275.5	9565.05	10838.2	4911.46	0	10015.2
2025/11/25	11681	10894.9	11695.5	10015.4	0	10525
2025/11/26	12491	10663.3	12422.3	9596.47	0	10759
2025/11/27	11743.9	11421.1	12425.4	9599.01	0	10395.3
2025/11/28	11033.5	11584.7	12184.4	8672.28	0	11952.1
2025/11/29	10378.7	10109.9	10862.7	7791.7	0	9727.68
2025/11/30	10375.4	9532.37	10581.4	8926.65	0	10301.9

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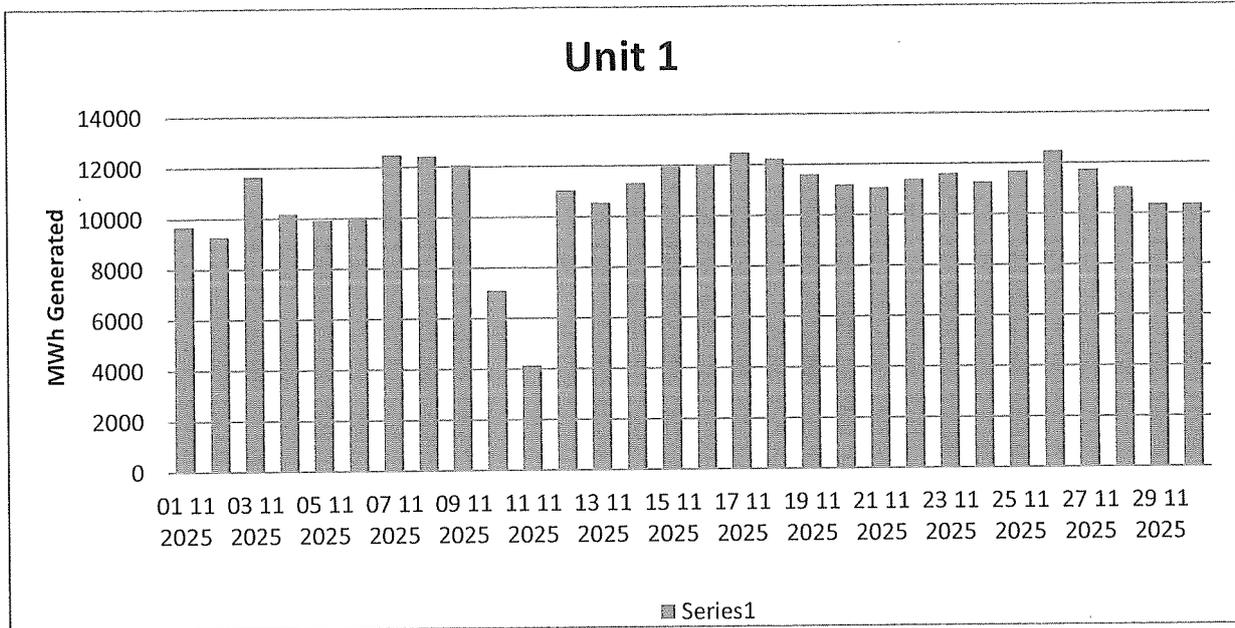


Figure 16: Unit 1 daily generated power in MWh for the month of November 2025

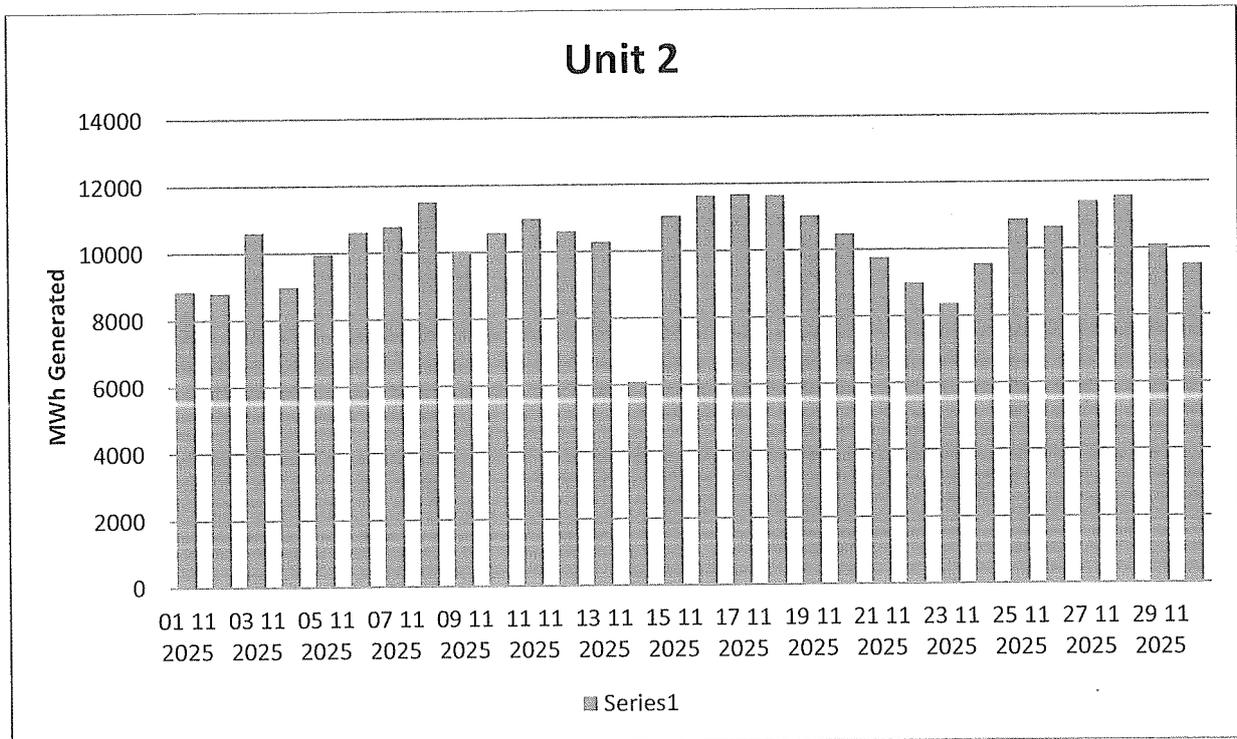


Figure 17: Unit 2 daily generated power in MWh for the month of November 2025

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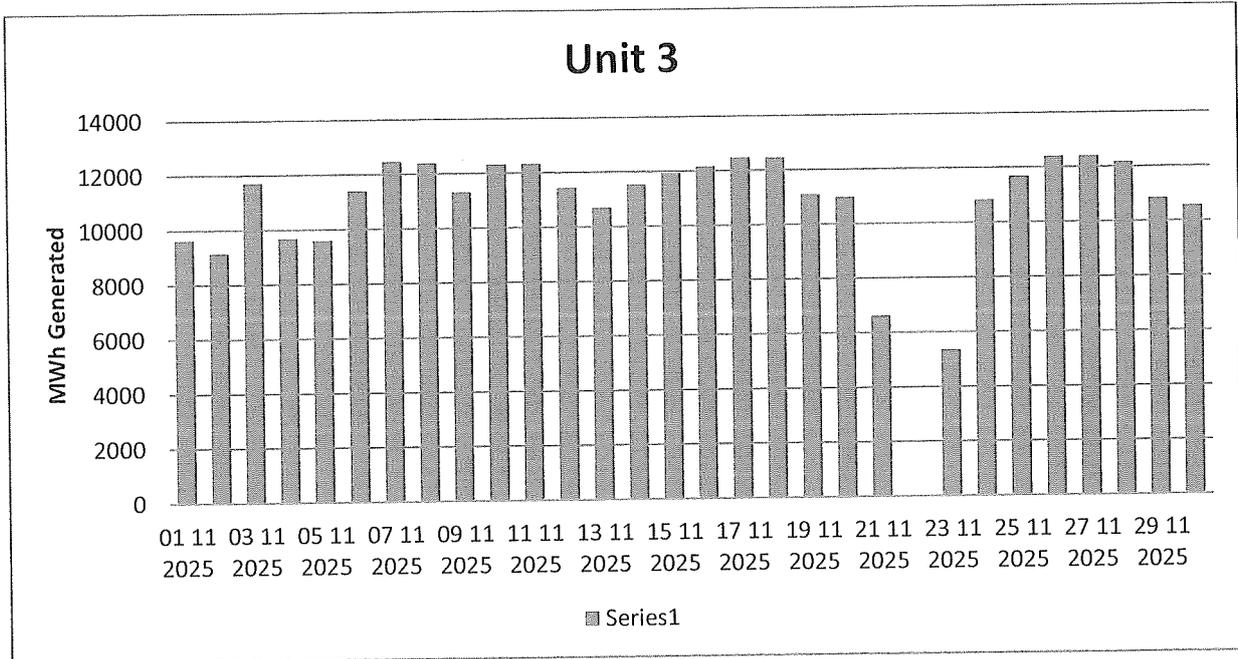


Figure 18: Unit 3 daily generated power in MWh for the month of November 2025

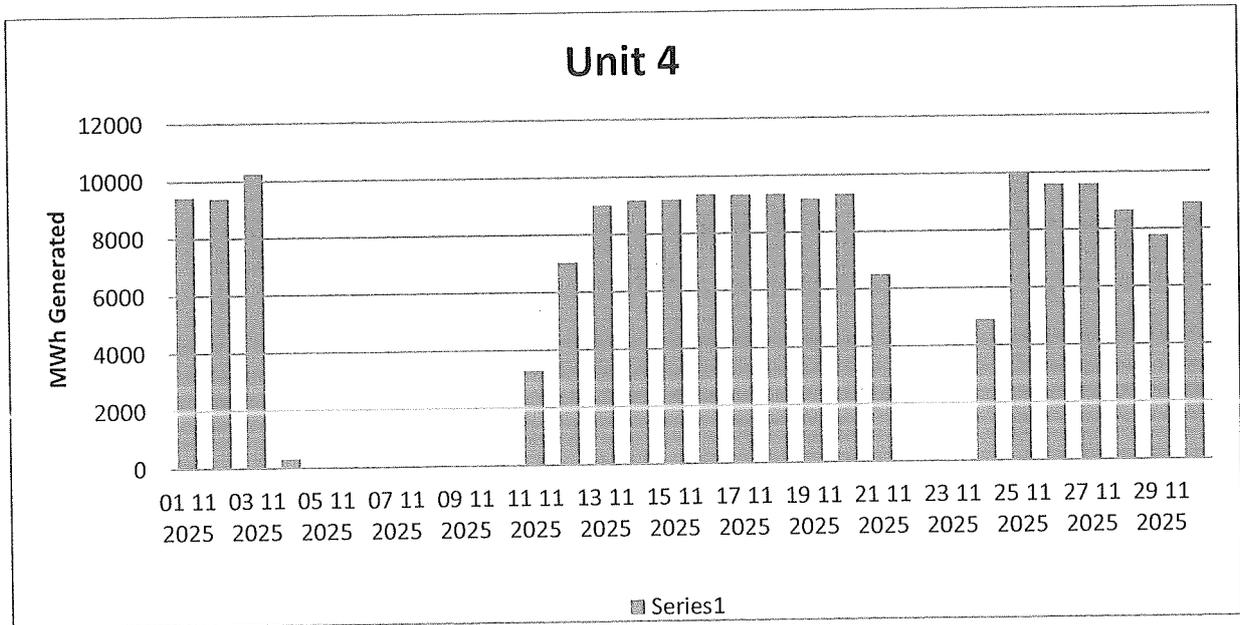


Figure 19: Unit 4 daily generated power in MWh for the month of November 2025

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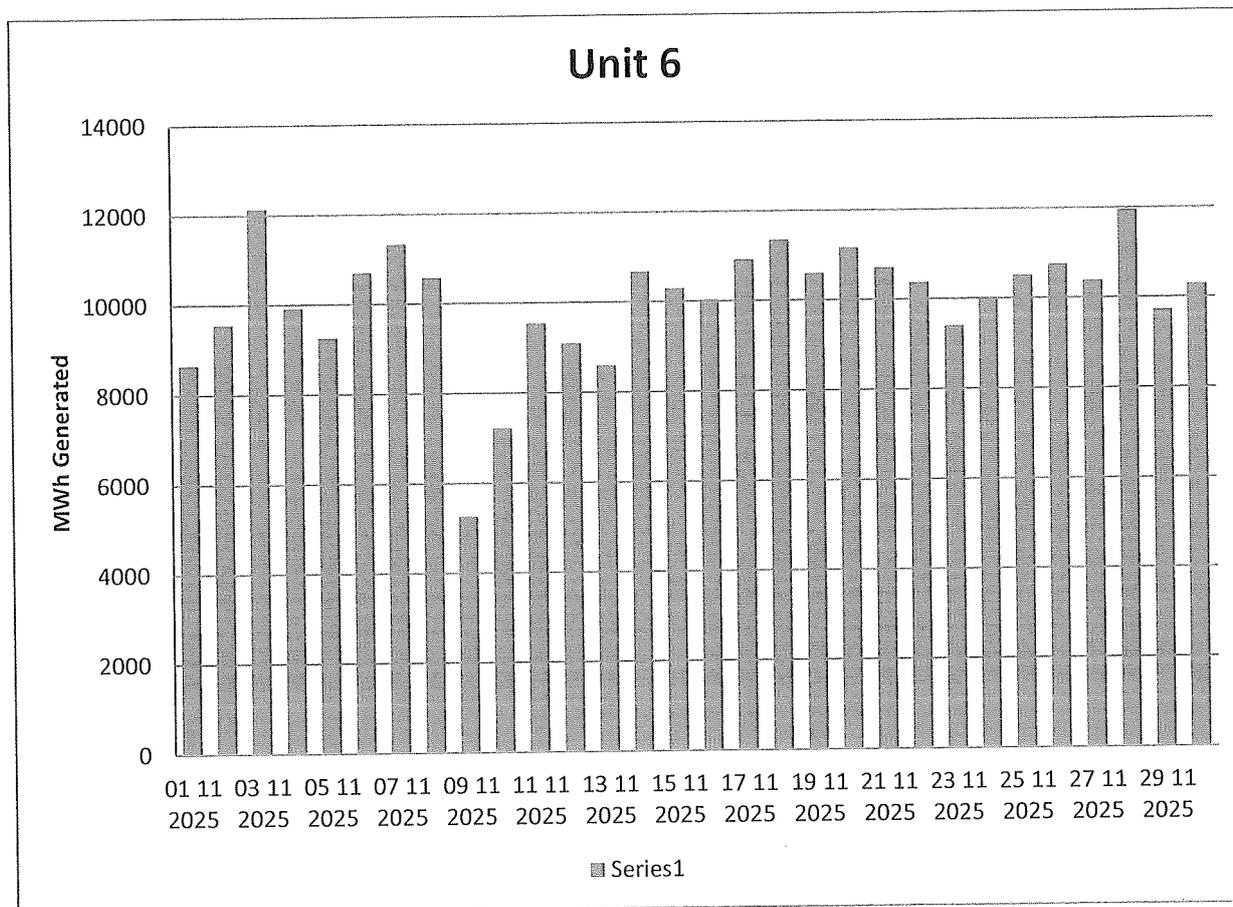


Figure 20: Unit 6 daily generated power in MWh for the month of November 2025

### 2.5 Pollutant Tonnages

The emitted pollutant tonnages for November 2025 are provided in table 6.

Table 6: Pollutant tonnages for the month of November 2025

Associated Unit/Stack	PM (tons)	SO <sub>2</sub> (tons)	NO <sub>x</sub> (tons)
Unit 1	39.2	3 493	714
Unit 2	109.2	8 253	1 377
Unit 3	11.7	3 398	549
Unit 4	14.3	3 648	699
Unit 5	Off	Off	Off
Unit 6	32.6	2 984	351
<b>SUM</b>	<b>207.01</b>	<b>21 776</b>	<b>3 690</b>

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## 2.6 Operating days in compliance to PM AEL Limit

Table 7: Operating days in compliance with PM AEL limit of November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm <sup>3</sup> )
Unit 1	29	0	0	0	0	25.0
Unit 2	28	2	0	0	2	42.7
Unit 3	28	0	0	0	0	11.2
Unit 4	19	0	0	0	0	13.3
Unit 5	Off	Off	Off	Off	Off	Off
Unit 6	28	1	0	0	1	28.6
<b>SUM</b>	<b>132</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	

## 2.7 Operating days in compliance to SOx AEL Limit

Table 8: Operating days in compliance with SOx AEL limit of November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Limit Value	Mnth Avg (mg/Nm <sup>3</sup> )
Unit 1	30	0	0	0	0	3500	2 125.0
Unit 2	30	0	0	0	0	3500	3 151.5
Unit 3	29	0	0	0	0	3500	3 128.6
Unit 4	22	0	0	0	0	3500	2 563.4
Unit 5	Off	Off	Off	Off	Off	3500	Off
Unit 6	30	0	0	0	0	3500	2 486.2
<b>SUM</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		

## 2.8 Operating days in compliance to NOx AEL Limit

Table 9: Operating days in compliance with NOx AEL limit of November 2025

Associated Unit/Stack	Normal	Grace	Section 30	NC	Total Exceedance	Mnth Avg (mg/Nm <sup>3</sup> )
Unit 1	30	0	0	0	0	434.0
Unit 2	30	0	0	0	0	526.0
Unit 3	29	0	0	0	0	505.8
Unit 4	22	0	0	0	0	493.1
Unit 5	Off	Off	Off	Off	Off	Off
Unit 6	30	0	0	0	0	292.8
<b>SUM</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

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## 2.9 Continuous Emission Monitors

Table 10: Monitor reliability percentage (%)

Associated Unit/Stack	PM	SO <sub>2</sub>	NO	O <sub>2</sub>
Unit 1	99.0	100.0	98.8	100.0
Unit 2	100.0	100.0	100.0	100.0
Unit 3	97.2	100.0	100.0	100.0
Unit 4	98.5	99.6	99.2	100.0
Unit 5	Off	Off	Off	Off
Unit 6	100.0	95.6	94.6	100.0

Note: NO<sub>x</sub> emissions are measured as NO in PPM. The final NO<sub>x</sub> value is expressed as total NO<sub>2</sub> equivalent.

### Comments:

Unit 2 and 3 gaseous monitor reliability was 100% due to the SRM (Standard Reference Material) values from the parallel test used to calculate the gaseous emissions for unit 2 and 3.

### 2.10.1 Changes, downtime, and repairs

#### Unit 1

- No adjustments done on the CEMs.
- No downtime or repairs done on the particulate monitors.

#### Unit 2

- No adjustments done on the CEMs.
- No downtime or repairs done on the particulate monitors.

#### Unit 3

- No adjustments done on the CEMs.
- No downtime or repairs done on the particulate monitors.

#### Unit 4

- No adjustments done on the CEMs.
- No downtime or repairs done on the particulate monitors.

#### Unit 5

- Unit off load.

#### Unit 6

- No adjustments done on the CEMs.
- Correlation test done in September 2025

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## 2.10.2 Sampling dates and times

Table 11: Dates of last full conducted CEMS verification tests for PM for unit 6.

<b>Name of service provider:</b>		Stacklabs Environmental Services CC		
<b>Address of service provider:</b>		10 Chisel Street Boltonia Krugersdorp 1739		
<b>Stack/ Unit</b>	<b>PM</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO<sub>2</sub></b>
6	2020/09/09 06h41	New sampling tests in table 14	New sampling tests in table 14	New sampling tests in table 14

Table 12: Dates of last conducted CEMS Spot verification tests for PM, SO<sub>2</sub> and NO<sub>x</sub> for unit 1, 5 and 6)

<b>Name of service provider:</b>		Levego Environmental services		
<b>Address of service provider:</b>		Building R6 Pineland site Ardeer Road Modderfontein 1645		
<b>Stack/ Unit</b>	<b>PM</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO<sub>2</sub></b>
1	2023/08/01 19h33	2023/08/01 19:33	2023/08/01 19:33	2023/08/01 19:33
5	2023/08/05 07:30	2023/08/05 07:30	2023/08/05 07:30	2023/08/05 07:30
6	Dates in table 13 above	2023/08/05 15:52	2023/08/05 15:52	2023/08/05 15:52

Note: The CEMS Spot verification tests for PM, SO<sub>2</sub> and NO<sub>x</sub> were performed in August 2023. PM spot verification test results for unit 6 failed and old curves are still in use.

Table 13: Dates of last full conducted CEMS verification tests for PM for unit 2, unit 3 and 4 only

<b>Name of service provider:</b>		Levego Environmental services		
<b>Address of service provider:</b>		Building R6 Pineland site Ardeer Road Modderfontein 1645		
<b>Stack/ Unit</b>	<b>PM</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>CO<sub>2</sub></b>
2	2024/07/02 08h50	2024/07/02 12h35	2024/07/02 12h35	2024/07/02 12h35
3	2024/06/23 16h34	2024/06/23 14h00	2024/06/23 14h00	2024/06/23 14h00
4	2024/06/29 16h05	2024/06/29 11h00	2024/06/29 11h00	2024/06/29 11h00

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## 2.10 Units Start-up information

Table 14: Start-up information

<b>Unit</b>	4	
<b>Fires in</b>	2025/11/10	23h27
<b>Synchronization with Grid</b>	2025/11/11	05h18
<b>Emissions below limit</b>	2025/11/12	09h02
<b>Fires in, to synchronization</b>	5.51	HOURS
<b>Synchronization to &lt; Emission limit</b>	27.41	HOURS

<b>Unit</b>	4	
<b>Fires in</b>	2025/11/24	04h00
<b>Synchronization with Grid</b>	2025/11/24	09h33
<b>Emissions below limit</b>	2025/11/24	17h07
<b>Fires in, to synchronization</b>	5.33	HOURS
<b>Synchronization to &lt; Emission limit</b>	7.34	HOURS

## 2.11 Emergency generation

Table 15: Emergency generation

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
<b>Emergency Generation hours declared by national Control</b>	720	720	720	720	0	720
<b>Emergency Hours declared including hours after standing down</b>	697	712	678	472	0	702
<b>Days over the Limit during Emergency Generation</b>	0	2	0	0	0	1

During the period under review all Units were on emergency generation in force from 01 November 2025 until 30 November 2025.

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## 2.12 Complaints register.

Table 16: Complaints

Source Name	Code/	Root Cause Analysis	Calculation of Impacts/ emissions associated with the incident	Dispersion modelling of pollutants where applicable	Measures implemented to prevent reoccurrence	Date by which measure will be implemented
None						

## 2.13 Air quality improvements and social responsibility conducted.

### Air quality improvements

None

### Social responsibility conducted.

None

## 2.14 Ambient air quality monitoring

The November 2025 ambient air quality monitoring report is attached to this report as an addendum.

## 2.15 Electrostatic precipitator and Sulphur plant status

### Unit 1

- No issues on precipitators.
- The SO<sub>3</sub> plant operated normally with no abnormalities observed.

### Unit 2

- Precipitator internal damage to be repaired during next opportunity.
- The SO<sub>3</sub> plant operated normally with no abnormalities observed.

### Unit 3

- No issues with precipitators.
- The SO<sub>3</sub> plant operated normally with no abnormalities observed.

### Unit 4

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- No issues with precipitators.
- The SO<sub>3</sub> plant operated normally with no abnormalities observed.

#### Unit 5

- Unit on outage.

#### Unit 6

- Precipitator internal damage to be repaired during next opportunity.
- The SO<sub>3</sub> plant operated normally with no abnormalities observed.

#### SO<sub>3</sub> common plant

- The SO<sub>3</sub> common plant is operating normally with no abnormalities observed.

### 2.16 General

#### Name and reference number of the monitoring methods used:

1. Particulate and gas monitoring according to standards
  - a. BS EN 14181:2004 - Quality Assurance of Automated Measuring Systems
  - b. Eskom internal standard 240-56242363 Emissions Monitoring and Reporting Standard

#### Sampling locations:

1. Stack one
  - a. Particulates:
    - i. S23° 40' 2.8" E027° 36' 34.8" 175m from ground level and 75m from the top.
  - b. Gas:
    - i. S23° 40' 2.8" E027° 36' 34.8" 100m from ground level and 150m from the top.
  - c. Stack height
    - i. 250 meter consist of 3 flues
2. Stack two
  - a. Particulates:
    - i. S23° 40' 14.8" E027° 36' 47.5" 175m from ground level and 75m from the top.
  - b. Gas:
    - i. S23° 40' 14.8" E027° 36' 47.5" 100m from ground level and 150m from the top.
  - c. Stack height
    - i. 250 meter consist of 3 flues

### 3. Attachments

- Fugitive dust fall out monitoring report and Ambient air quality report.
- Marapong ambient air quality report

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#### 4. Report Conclusion

The rest of the information demonstrating compliance with the emission license conditions is supplied in the annual emission report sent to your office.

Hoping the above will meet your satisfaction.

I hereby declare that the information in this report is correct.

Yours sincerely

 2025/12/31

GENERAL MANAGER: MATIMBA POWER STATION

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