



Monthly Report

Tutuka Power Station

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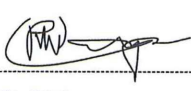

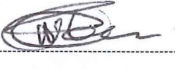
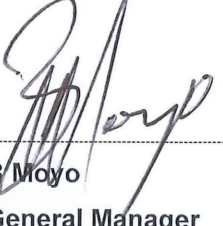
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## 1. Introduction

### TUTUKA POWER STATION MONTHLY EMISSIONS REPORT FOR THE MONTH OF APRIL 2026

This document serves as the monthly emissions report required in terms of Section 7.6 of Tutuka Power Station Provisional Atmospheric Emission License (AEL), 17/4/AEL/MP312/12/14

This report reflects Unit 1 to Unit 6 gaseous and particulate emissions performance against the AEL limit for the month of APRIL 2026 only.

## 2. Raw Materials and Products

Table 1- Quantity of Raw Materials and Products Consumption in 04/2026

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Consumption – 04/2026
	Coal	Tons/month	1 380 000	281 216
	Fuel Oil	Tons/month	8 000	3572.280
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted (Quantity)	Production Rate in Month of 04/2026
	Energy	GWh	2 719	490.388
	Ash Emitted	Tons/month	500 000	72 075.638

## 3. Abatement Technology

Table 2-Abatement Equipment Control Technology Efficiency in 04/2026

Associated Unit/Stack	Technology Type	Efficiency	ESP Utilization
Unit 1	Electrostatic Precipitators (ESP)	99.674%	100%
Unit 2	Electrostatic Precipitators (ESP)	98.878%	100%
Unit 3	Electrostatic Precipitators (ESP)	Off-line	Off-line
Unit 4	Electrostatic Precipitators (ESP)	99.335%	100%
Unit 5	Electrostatic Precipitators (ESP)	99.302%	100%
Unit 6	Electrostatic Precipitators (ESP)	Off-line	Off-line

**Note: The ESP plant does not have a bypass mode; therefore, it operates at 100% utilization.**

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4. Energy Source Characteristics

Table 3: Materials used in energy sources 04/2026

Material	Stipulated Material Limit (%)	Material Monthly Average Content (%)
<b>Coal</b>		
Sulphur Content	<1.4	0.970
Ash Content	<30	25.630
CV Content	16-24	21.050
<b>Fuel Oil</b>		
Sulphur Content	<3.5	-
Ash Content	<0.1	N/A

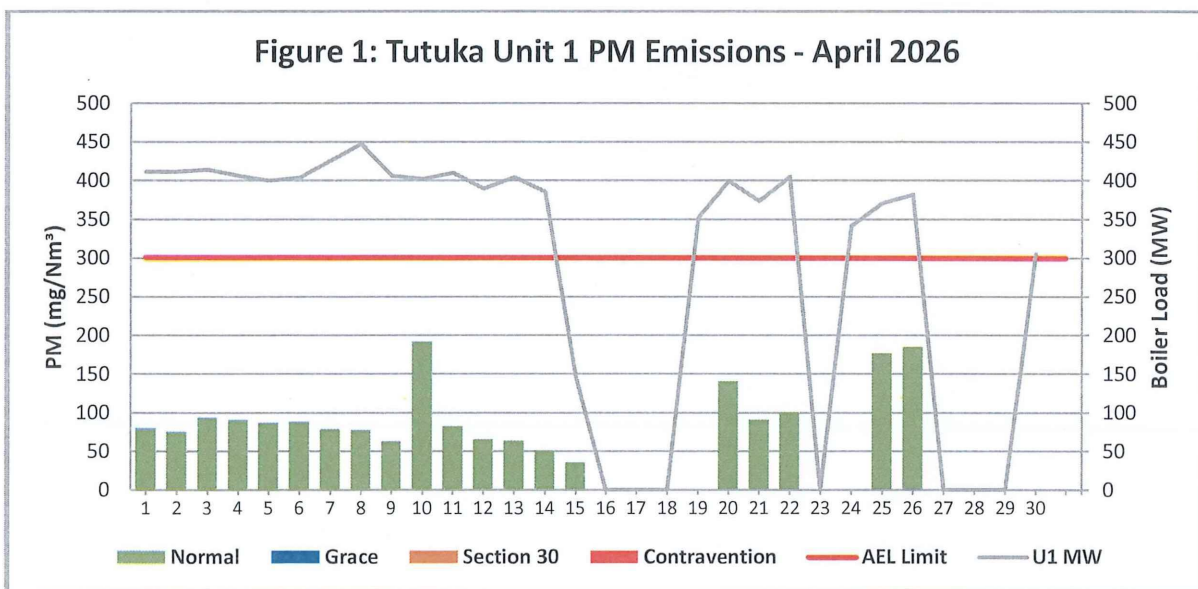
Note: The Sulphur Content figures are currently unavailable due to the unavailability of Gas Analyser contract.

5. Emissions Reporting

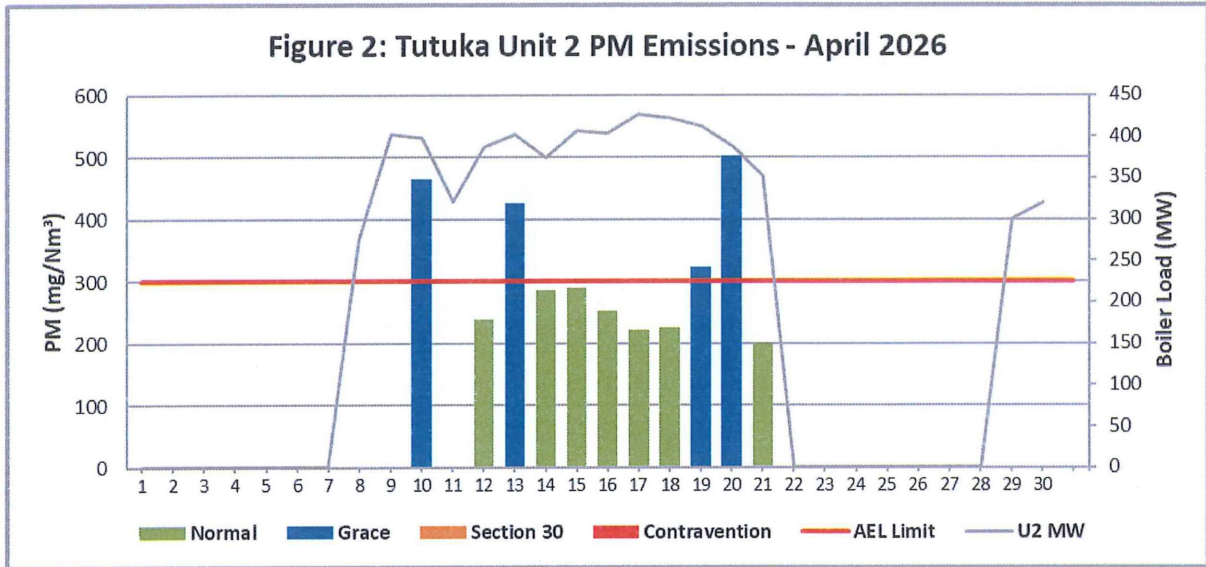
Table 4- Emission Limits are as follows:

SO <sub>2</sub> Monthly = 3000 mg/Nm <sup>3</sup>	Dust Daily= 300 mg/Nm <sup>3</sup> (Unit 1-6) Dust Monthly= 200 mg/Nm <sup>3</sup> (Unit 1-6)	NO <sub>2</sub> Daily= 1110 mg/Nm <sup>3</sup>
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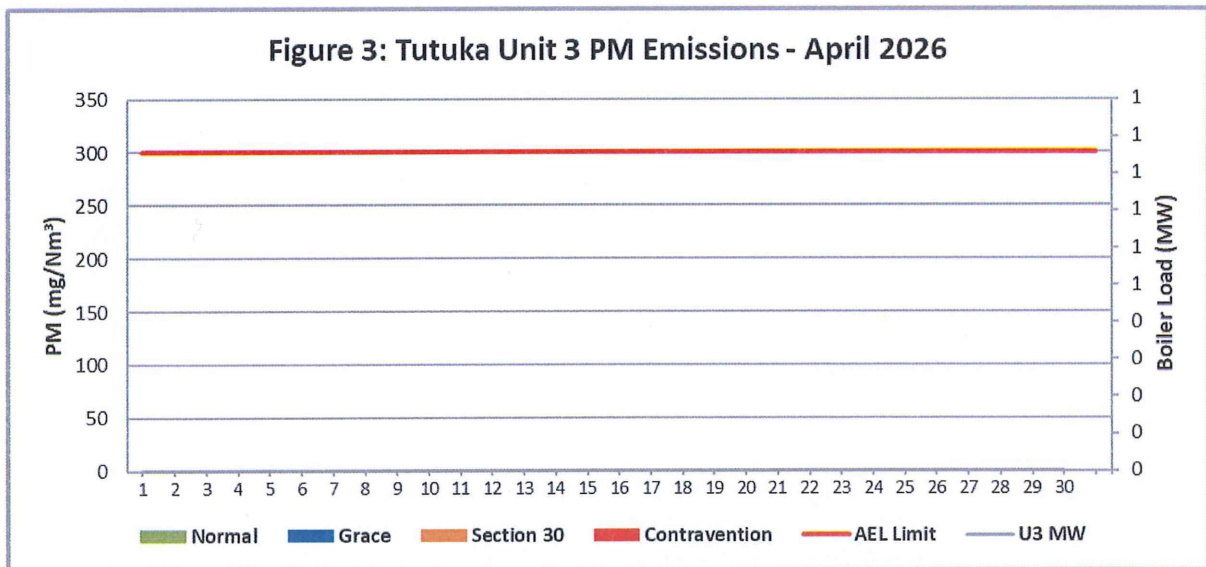
5.1 PM Daily Averages



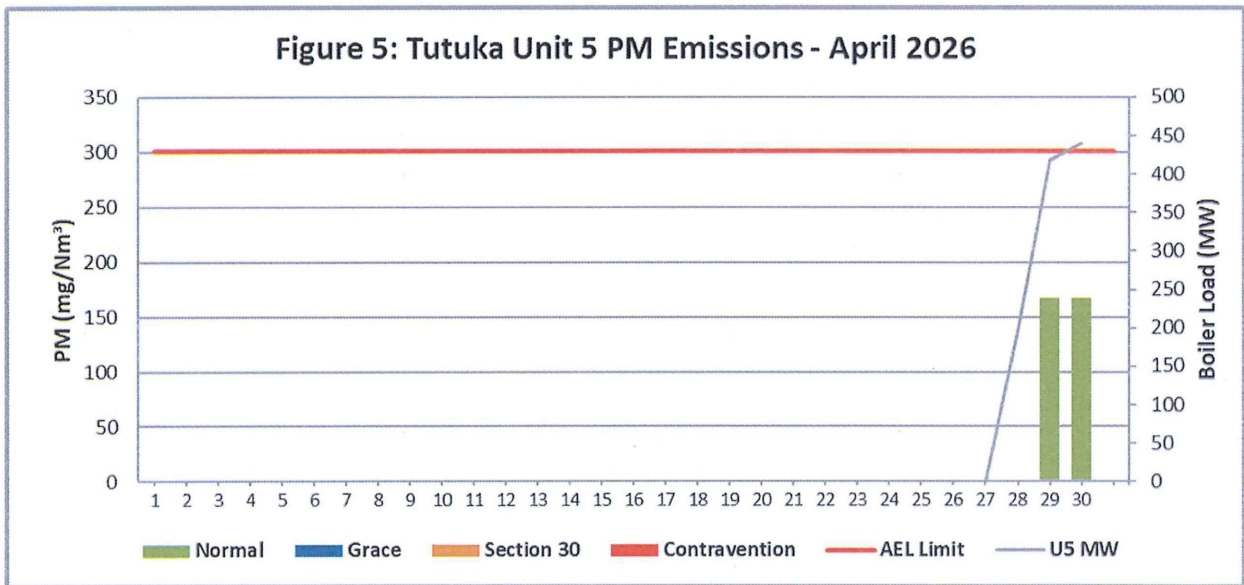
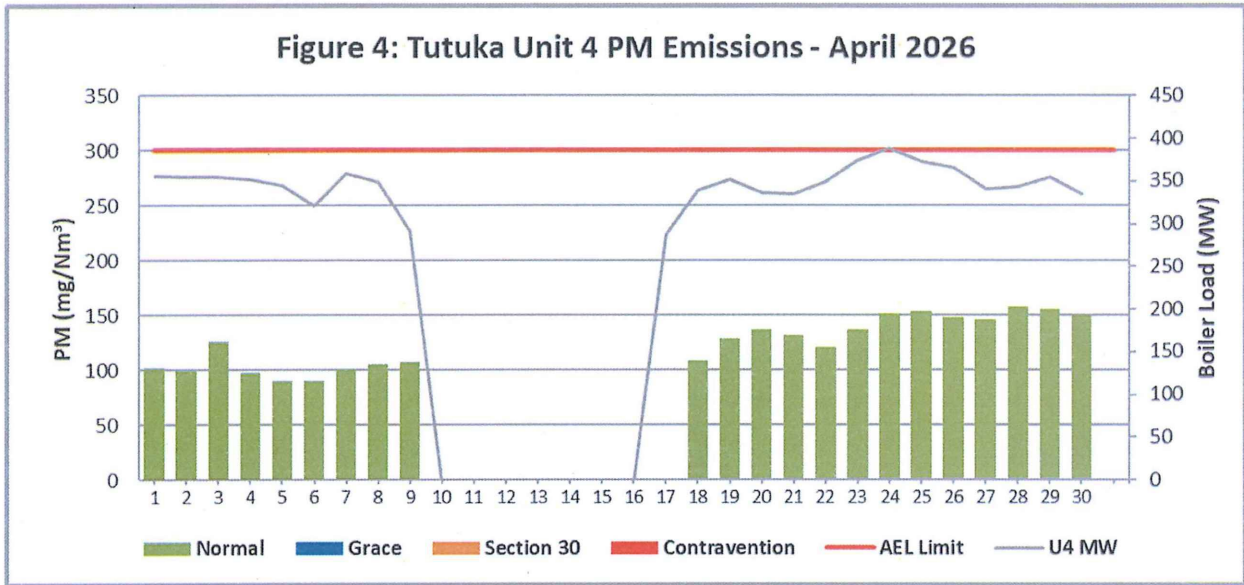
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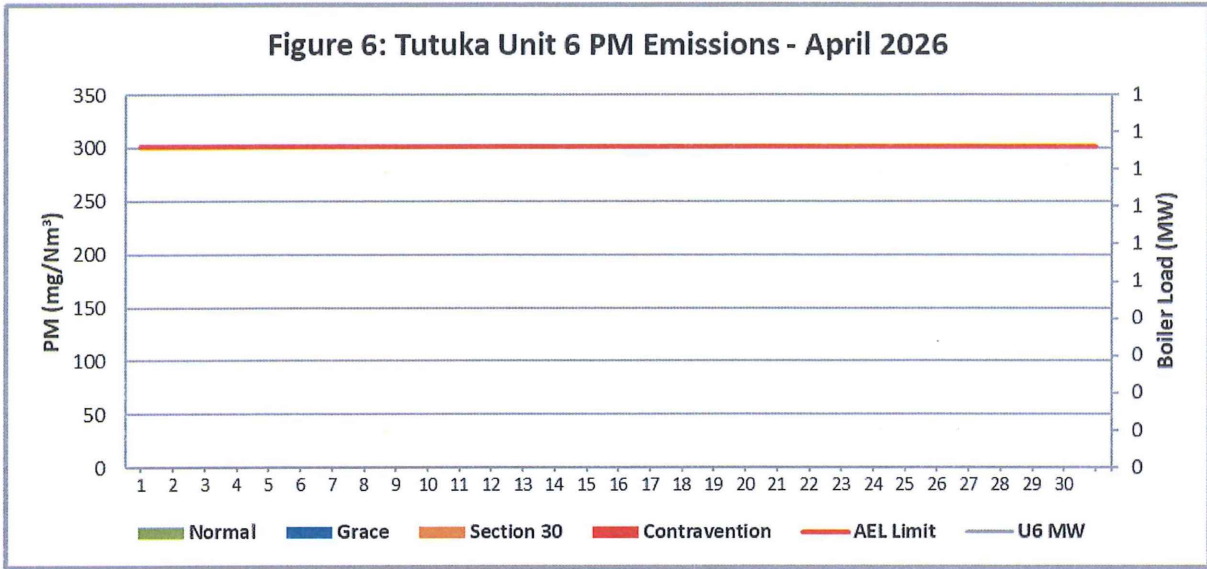
The station exceeded the PM AEL monthly limit of 200mg/Nm<sup>3</sup> on Unit 2 for this reporting period. The exceedance was due to the Unit 2 light-up which synchronized on load on 10 April 2025, however the Unit continued to be above the average monthly limit of 200mg/Nm<sup>3</sup> due to poorly performing precip fields. The Unit is due for outage to perform upgrades of the Electrostatic Precipitators and Refurbishment of the Dust Handling Plant to fully comply with the AEL requirements.



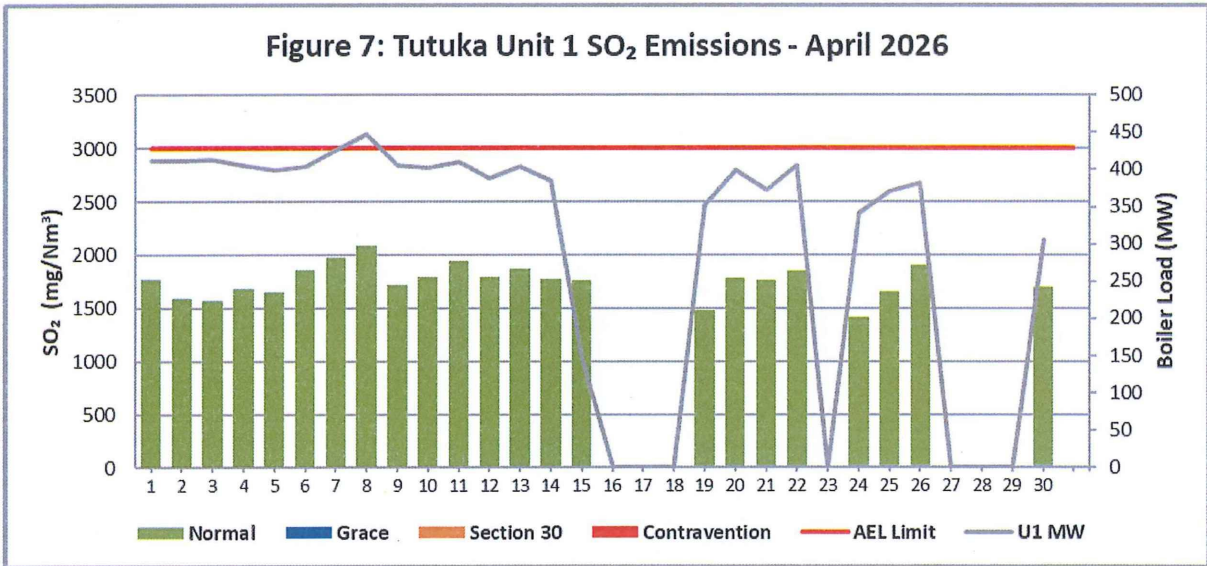
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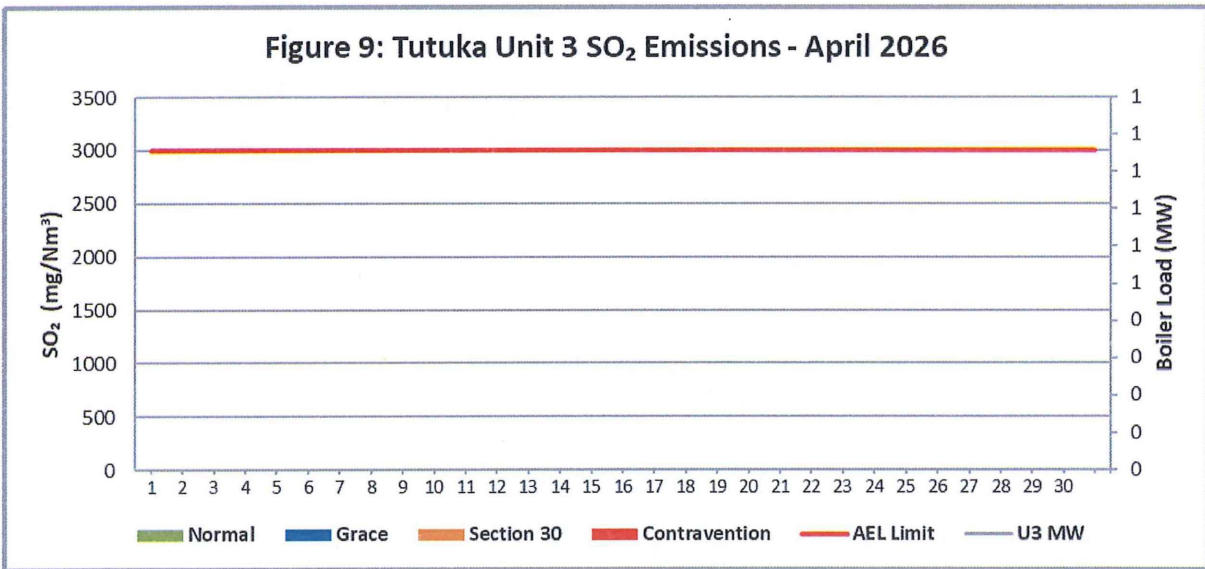
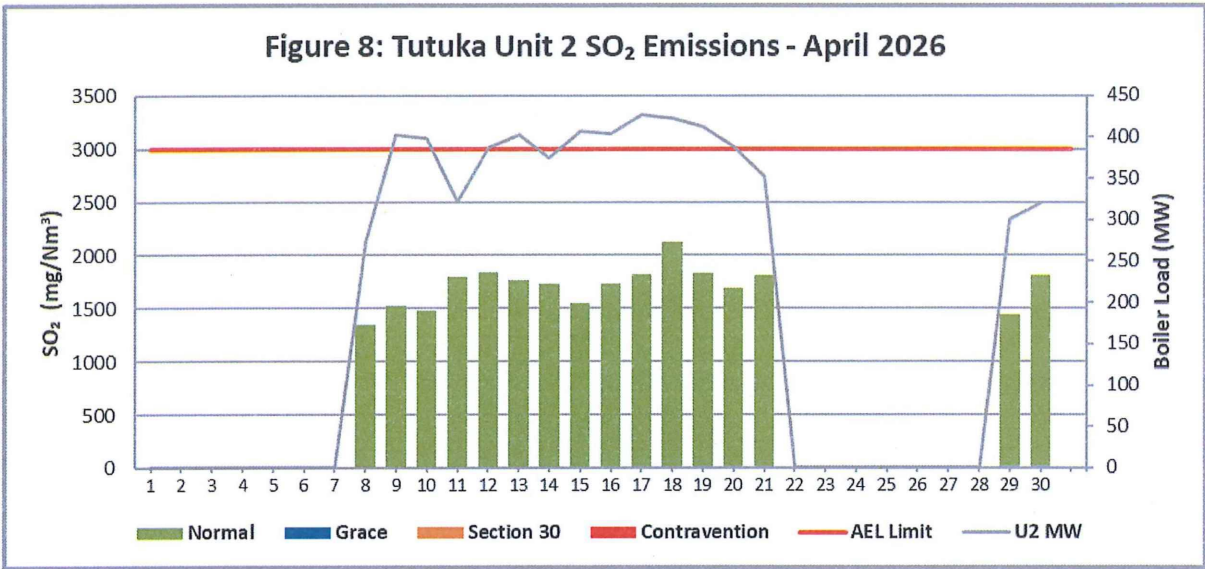
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5.2 Sox Daily Averages

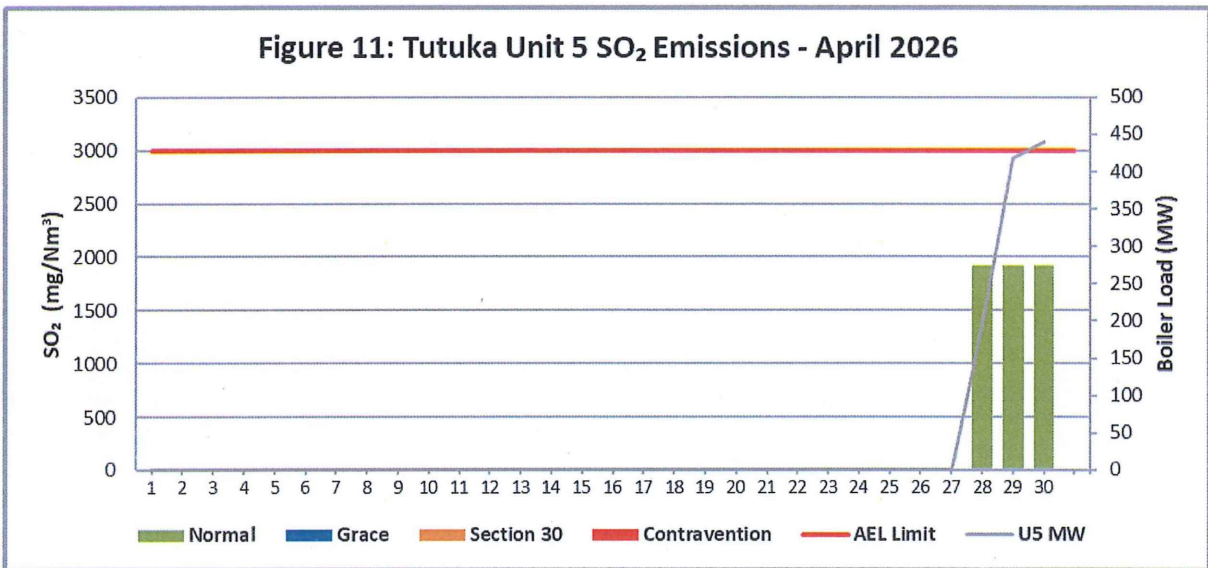
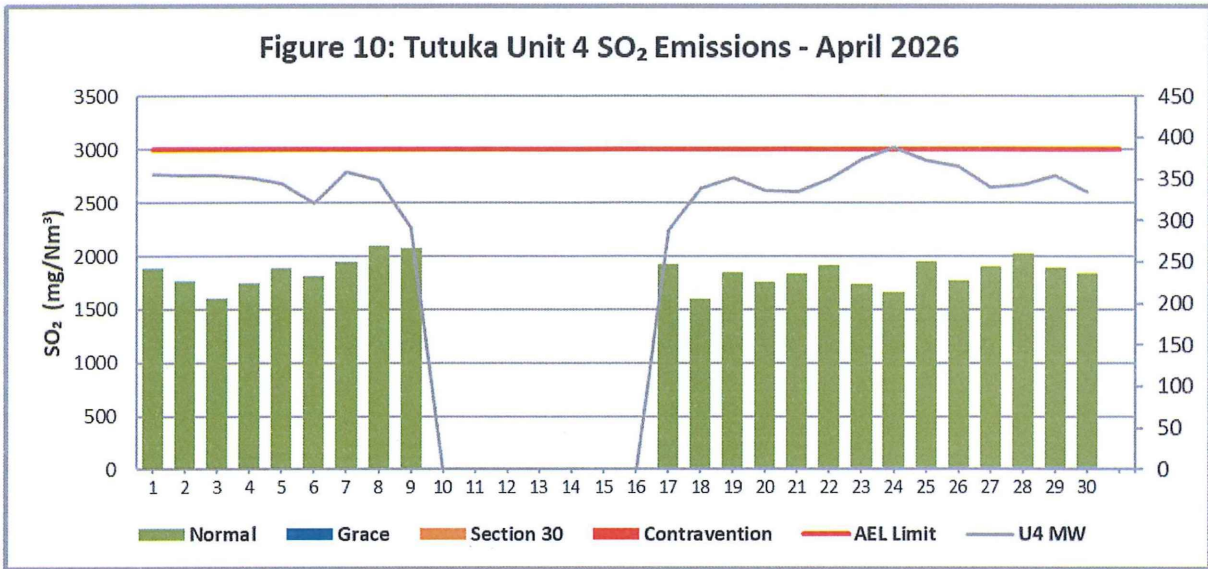


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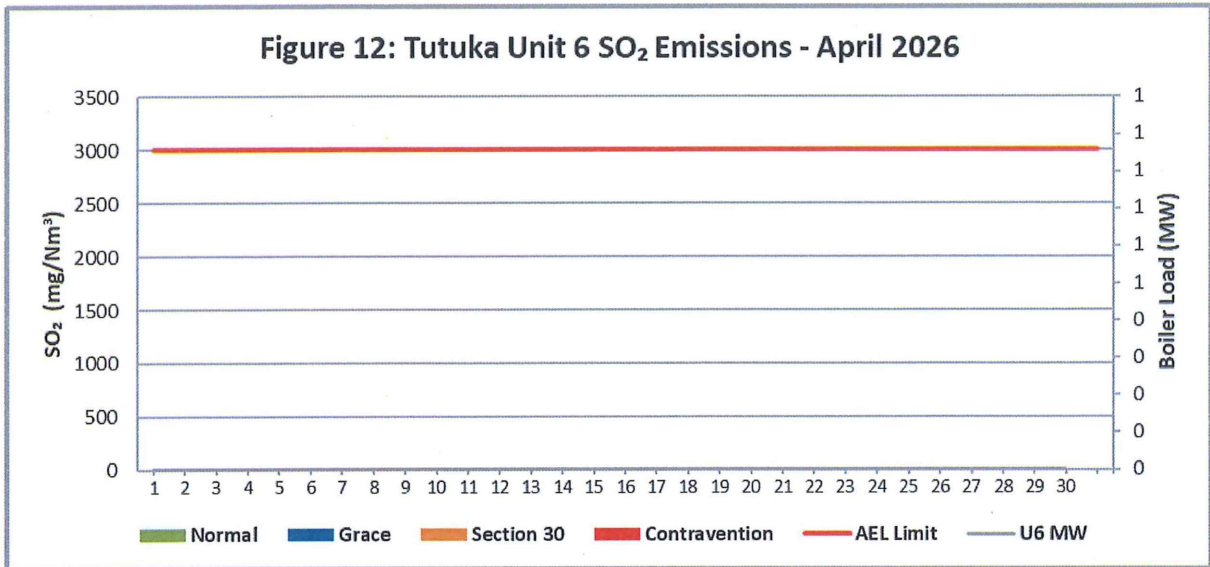
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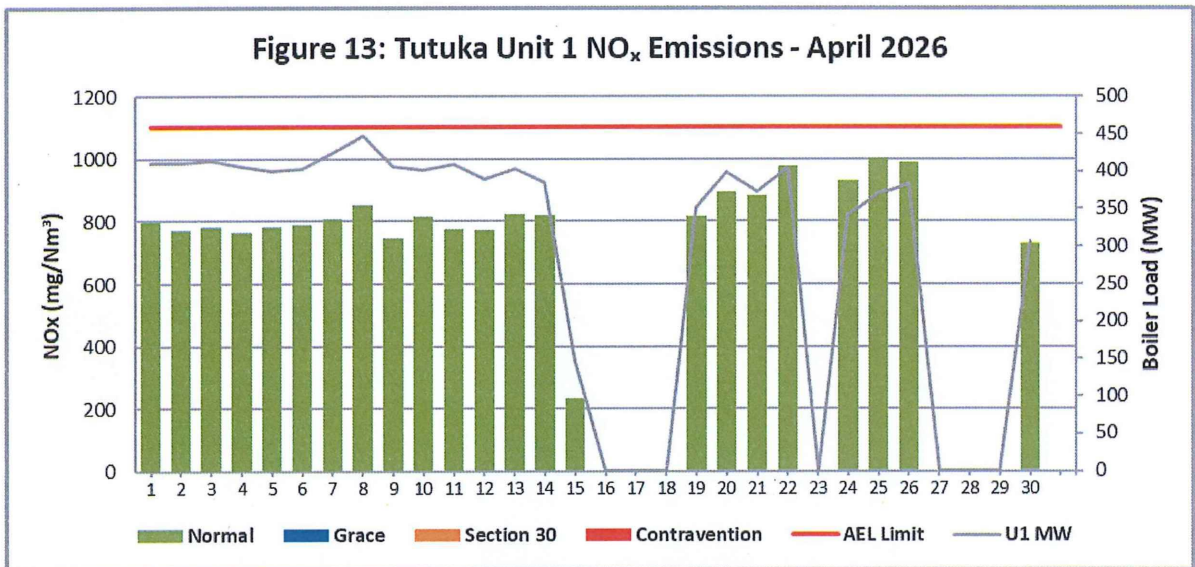


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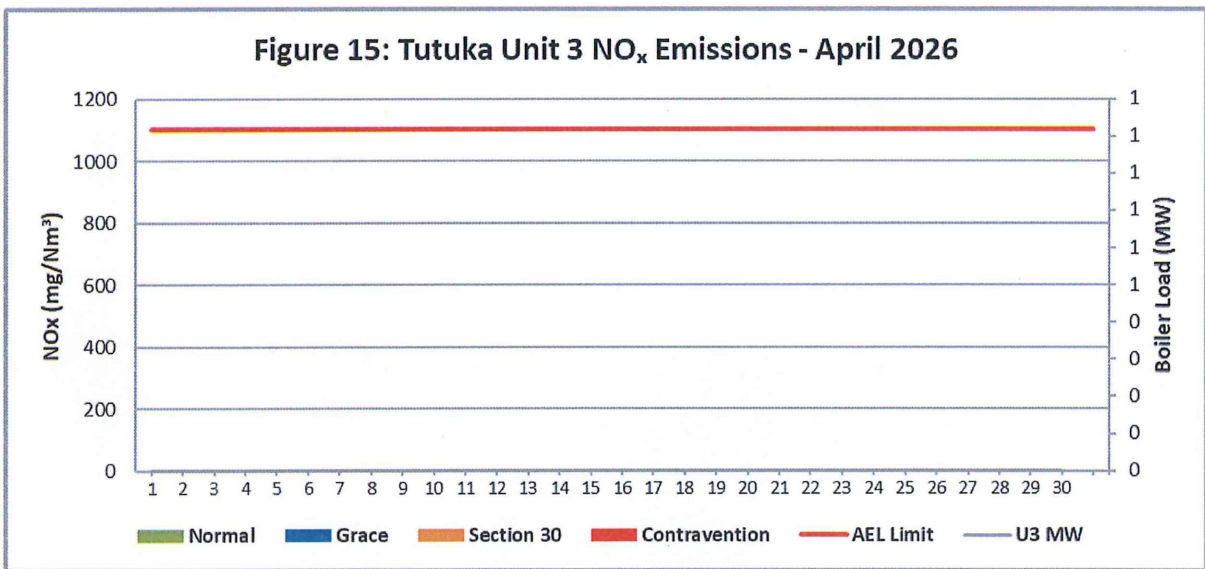
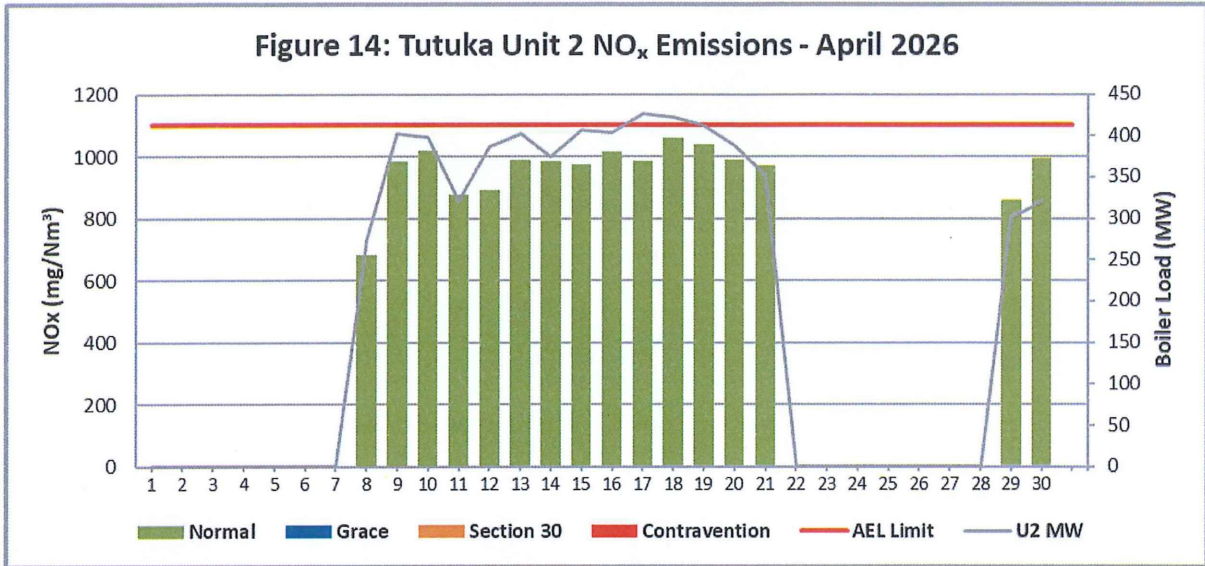


5.3 NO<sub>x</sub> Daily Averages



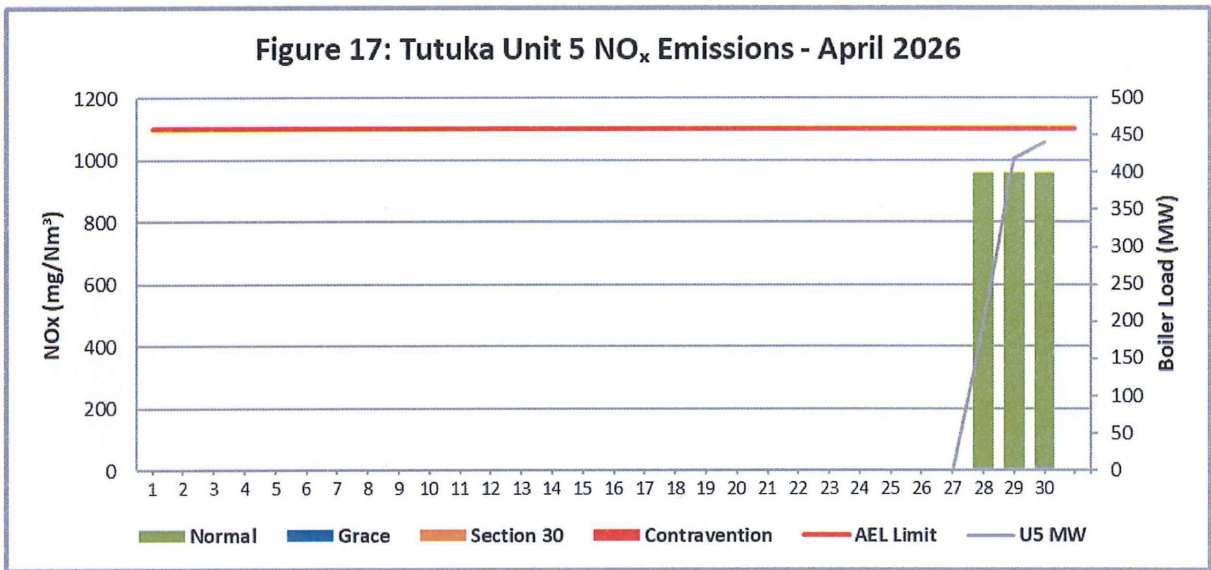
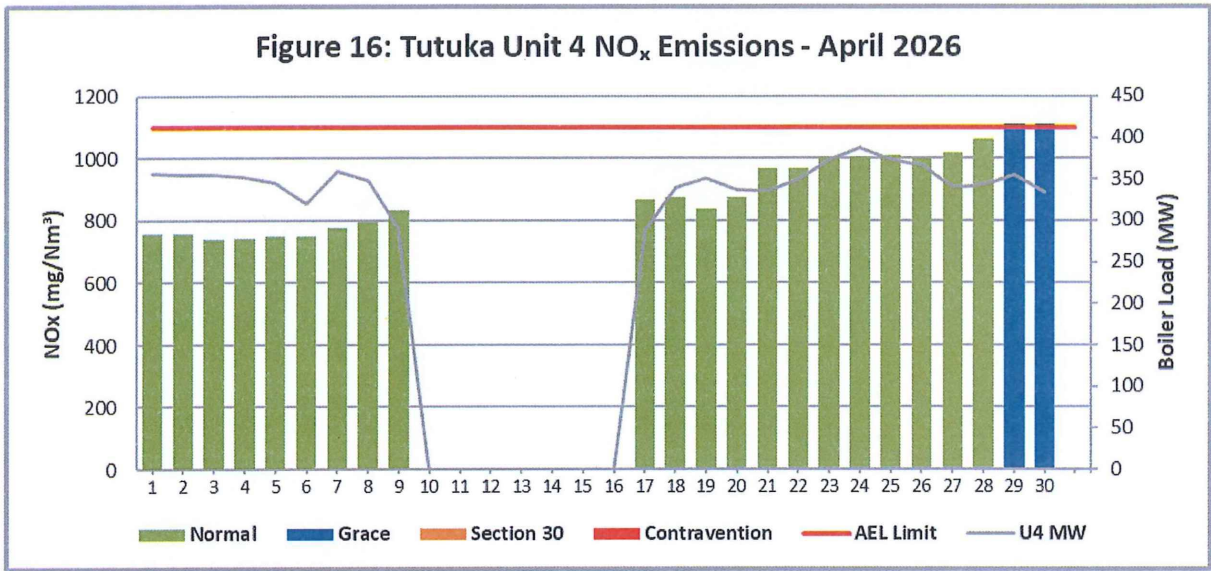
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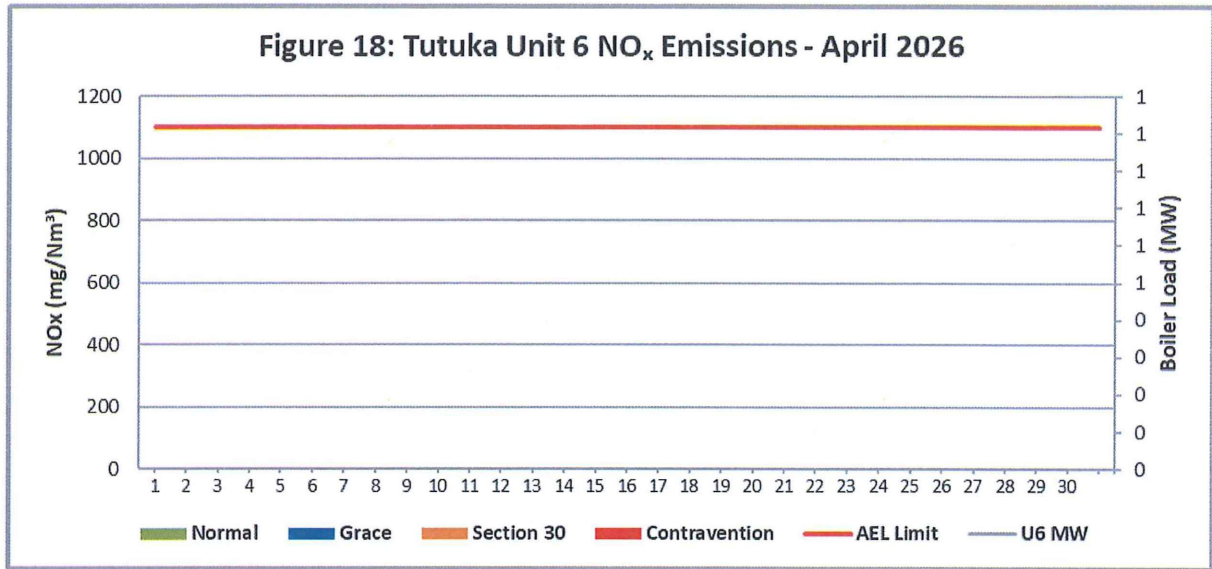


Table 5-Monthly Tonnages for 04/2026

Associated Unit/Stack	PM	SO <sub>2</sub>	NO <sub>2</sub>
Unit 1	81.8	1 756	826
Unit 2	174.4	1 316	740
Unit 3	Off	Off	Off
Unit 4	147.7	2 262	1 105
Unit 5	14.4	298	149
Unit 6	Off	Off	Off
SUM	418.26	5 631	2 820

Table 6-Monthly Averages Concentration for 04/2026 in mg/Nm<sup>3</sup>

Associated Unit/Stack	PM	SO <sub>2</sub>	NO <sub>2</sub>
Unit 1	96.0	1 753.8	806.7
Unit 2	311.3	1 706.9	956.6
Unit 3	Off	Off	Off
Unit 4	124.8	1 848.2	895.9
Unit 5	167.3	1 916.7	957.4
Unit 6	Off	Off	Off

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## 6. Continuous Emissions Monitoring System (CEMS)

Table 7- Periods during which was inoperative/malfunctioning.

Date	CEMS status	Comments
APRIL 2026		The station is using curves from the latest correlation and parallel tests for Unit 1, 2 and 4. New Monitors were installed for all the Units from October 2025 and Unit 5 recently returned to service from Outage. On unit 5, For PM three monthly averages for (October, November, September 2025) were used. For gases, unity factors were used and where necessary surrogate values are used. These emissions data will be restated once the valid correlation and parallel factors are obtained for Unit 5.

Table 8-CEMS Monitor Reliability Percentage

Associated Unit/Stack	PM	SO <sub>2</sub>	NO <sub>2</sub>	O <sub>2</sub>
Unit 1	100.0	100.0	100.0	0.0
Unit 2	97.0	100.0	100.0	0.0
Unit 3	Off	Off	Off	Off
Unit 4	100.0	100.0	100.0	0.0
Unit 5	0.0	0.0	0.0	0.0
Unit 6	Off	Off	Off	Off

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

## 7. CEMS Calibration and Equipment Used for Calibration

Calibration certificates to be made available upon request.

Table 9-Complaints for the month of 04/2026

Source Code/ Name	Air pollution complaints received	Calculation of Impacts/ emissions associated with the incident	Date of complaint and date of response by the license holder	Action taken to resolve the complaint	Date when the action was implemented.

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