



Monthly Report

Tutuka Power Station

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1. Introduction

TUTUKA POWER STATION MONTHLY EMISSIONS REPORT FOR THE MONTH OF MARCH 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/MP312/11/14

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

2. Raw Materials and Products

Table 1- Quantity of Raw Materials and Products Consumption in 03/2026

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Consumption – 03/2026
	Coal	Tons/month	1 380 000	245 169
	Fuel Oil	Tons/month	8 000	2292.510
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted (Quantity)	Production Rate in Month of 03/2026
	Energy	GWh	2 719	413.973
	Ash Emitted	Tons/month	500 000	61 905.097

3. Abatement Technology

Table 2-Abatement Equipment Control Technology Efficiency in 03/2026

Associated Unit/Stack	Technology Type	Efficiency	ESP Utilization
Unit 1	Electrostatic Precipitators (ESP)	99.810%	100%
Unit 2	Electrostatic Precipitators (ESP)	Off-line	Off-line
Unit 3	Electrostatic Precipitators (ESP)	Off-line	Off-line
Unit 4	Electrostatic Precipitators (ESP)	99.428%	100%
Unit 5	Electrostatic Precipitators (ESP)	Off-line	Off-line
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 03/2026

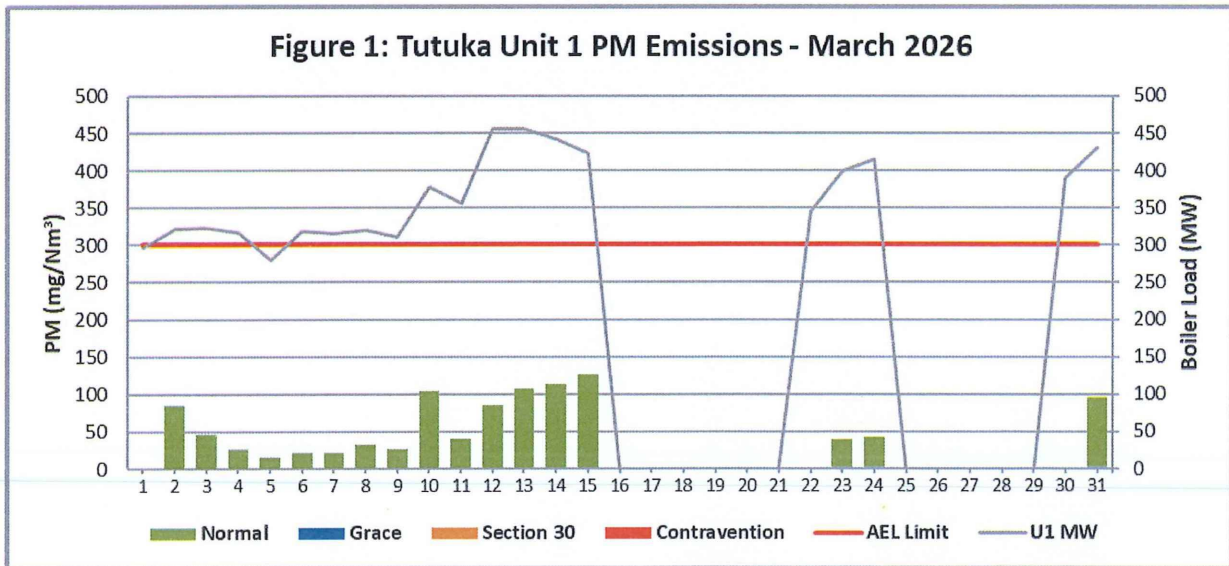
Material	Stipulated Material Limit (%)	Material Monthly Average Content (%)
Coal		
Sulphur Content	<1.4	0.970
Ash Content	<30	25.250
CV Content	16-24	21.080
Fuel Oil		
Sulphur Content	<3.5	2.64
Ash Content	<0.1	N/A

5. Emissions Reporting

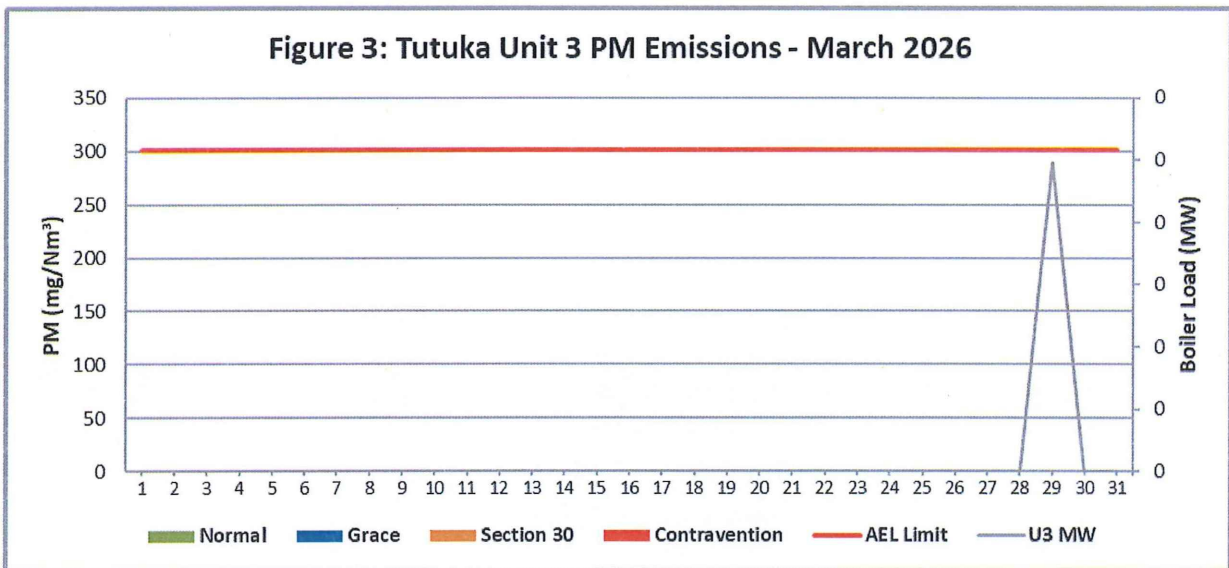
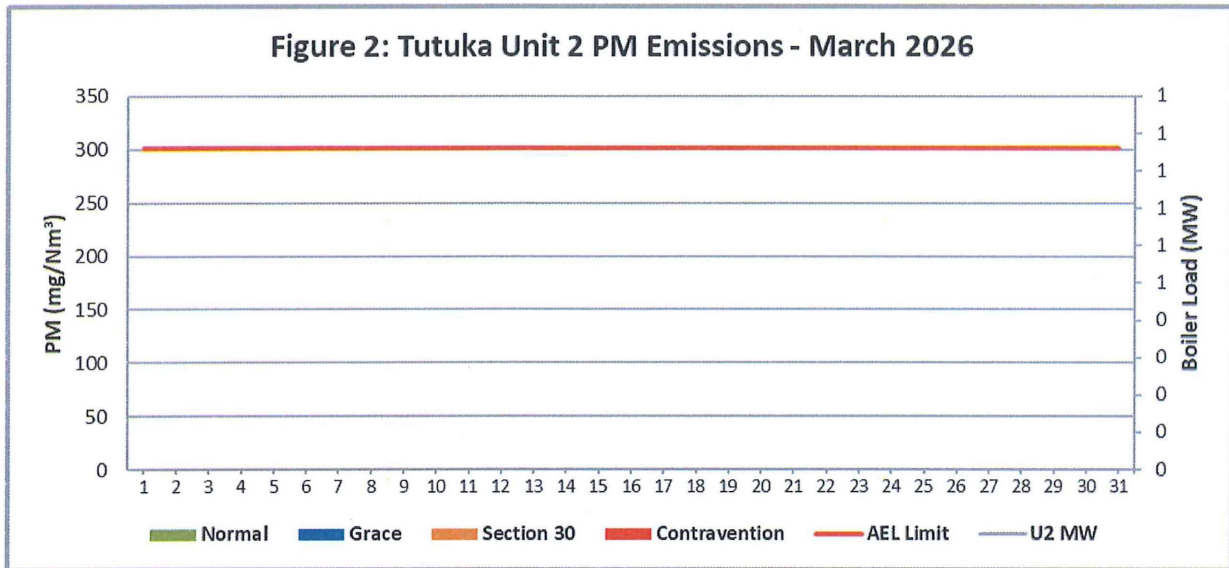
Table 4- Emission Limits are as follows:

SO ₂ Monthly = 3000 mg/Nm ³	Dust Daily= 300 mg/Nm ³ (Unit 1-6) Dust Monthly= 200 mg/Nm ³ (Unit 1-6)	NO ₂ Daily= 1100 mg/Nm ³
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5.1 PM Daily Averages

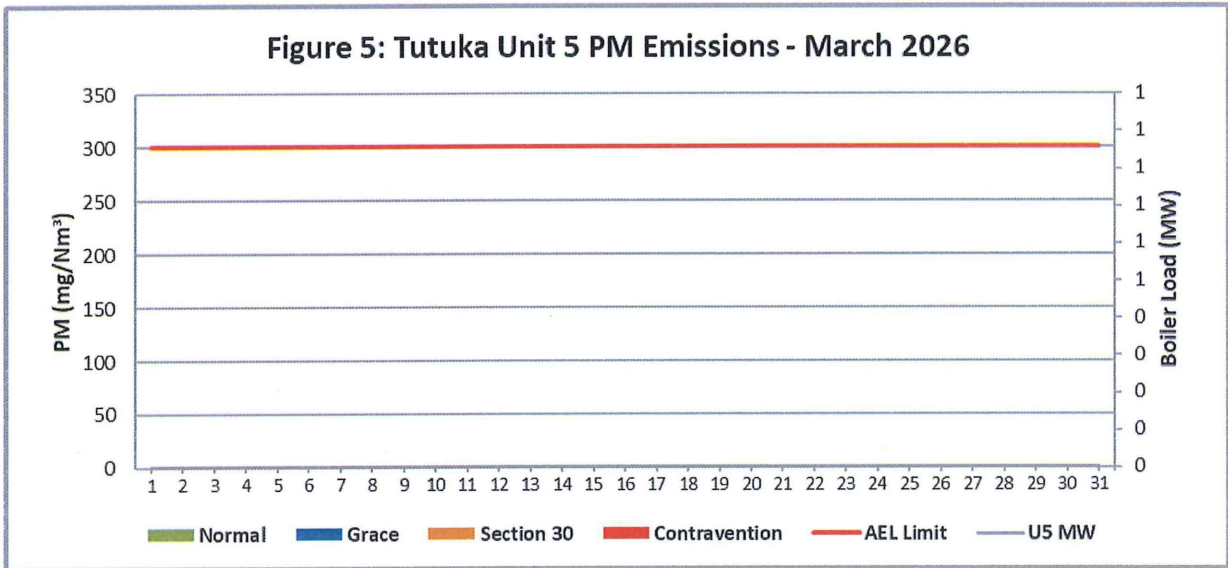
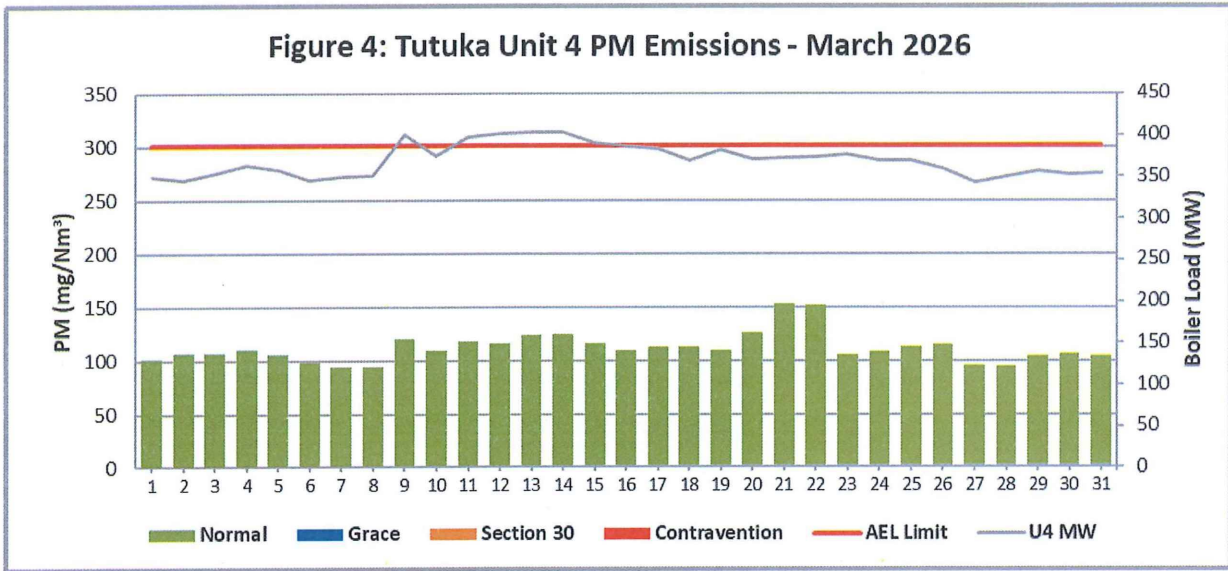


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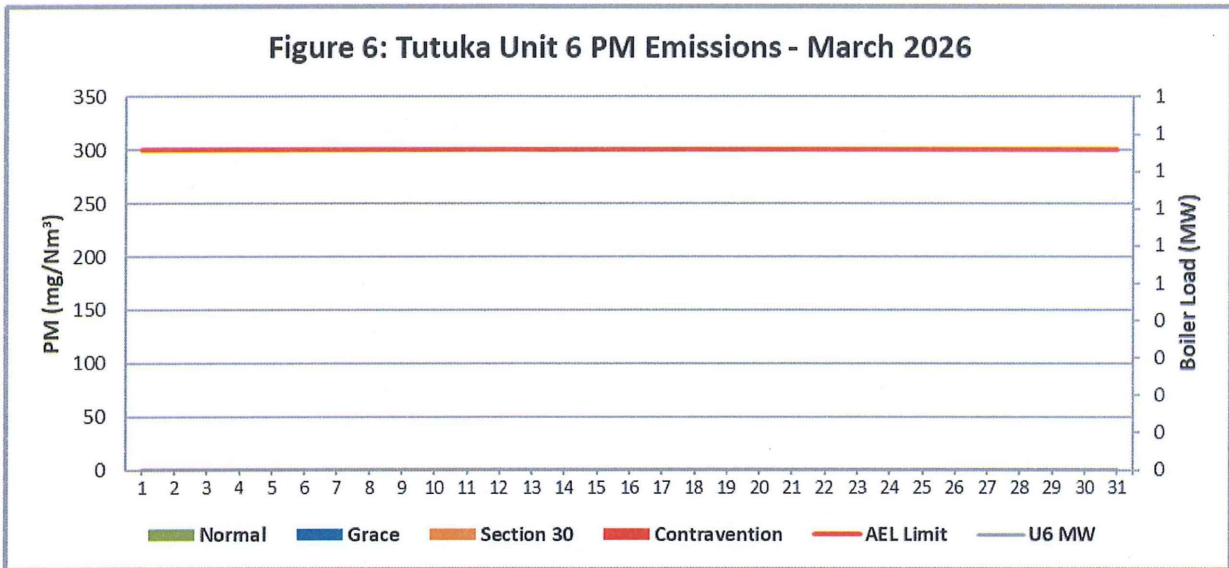
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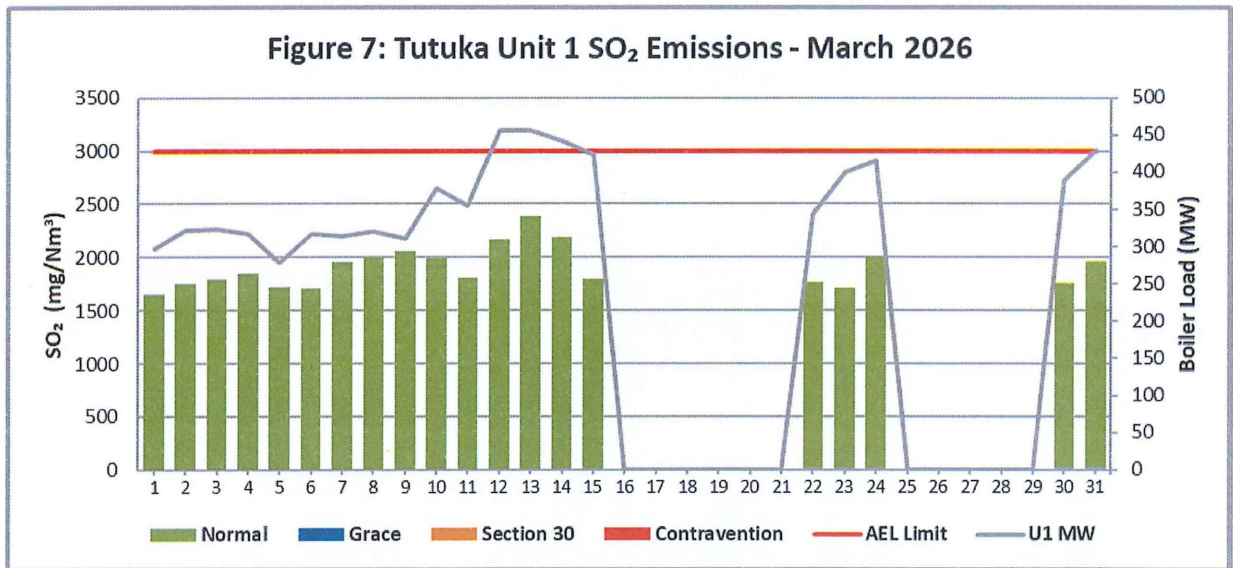


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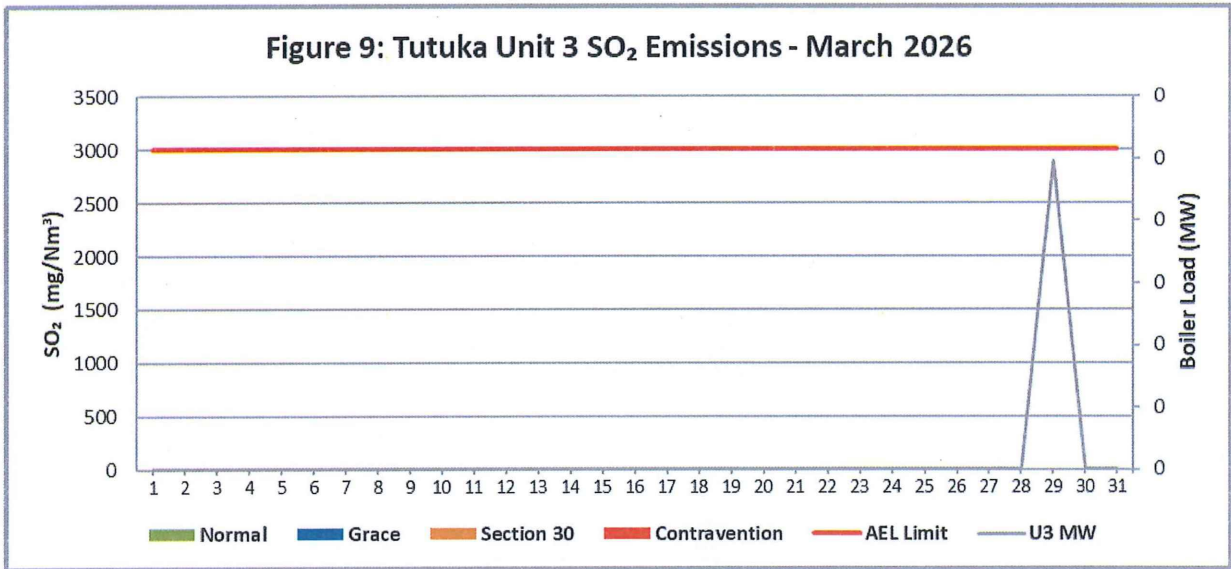
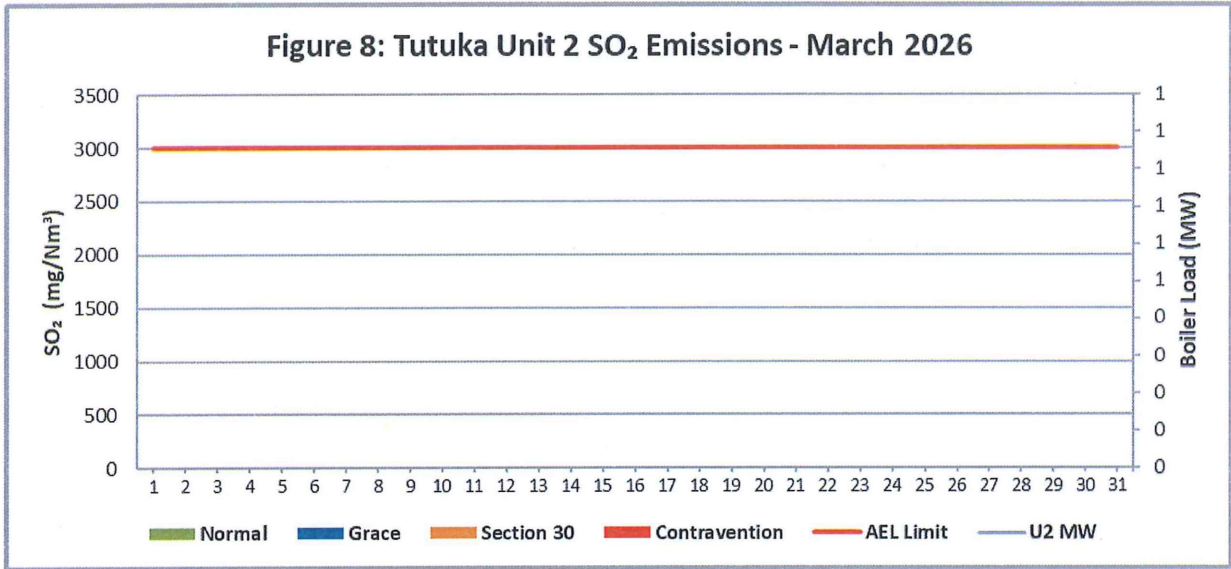


5.2 Sox Daily Averages



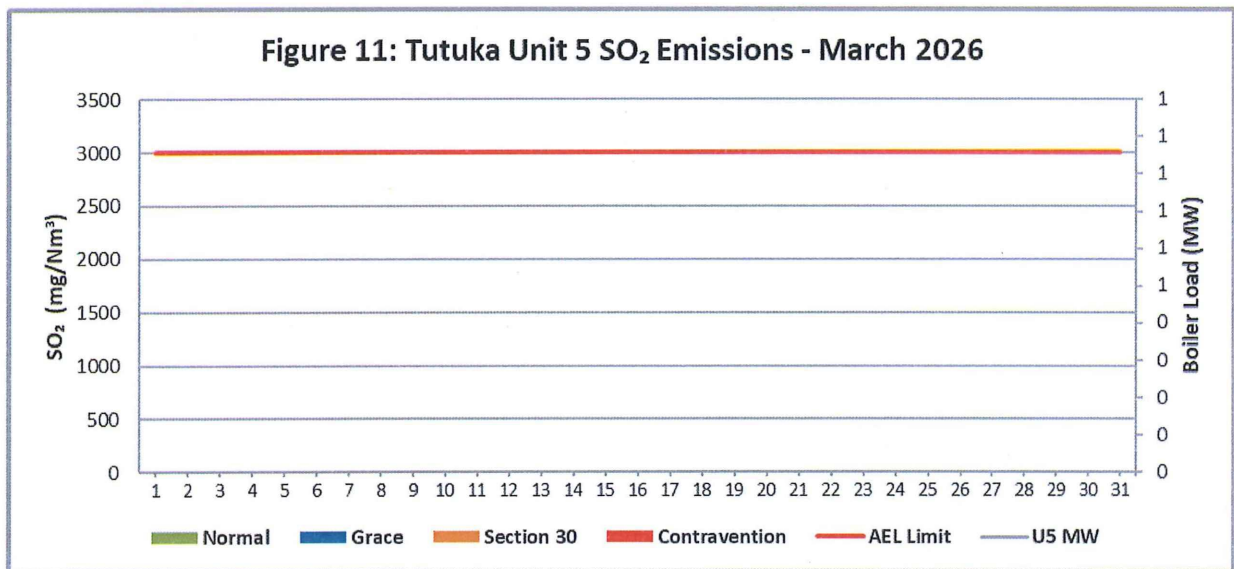
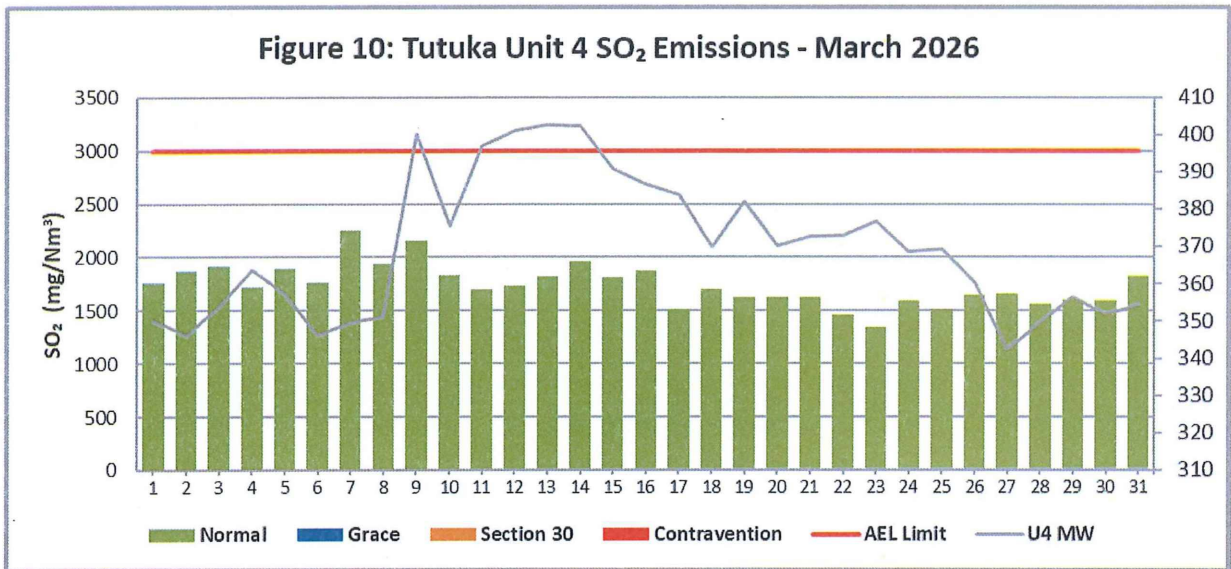
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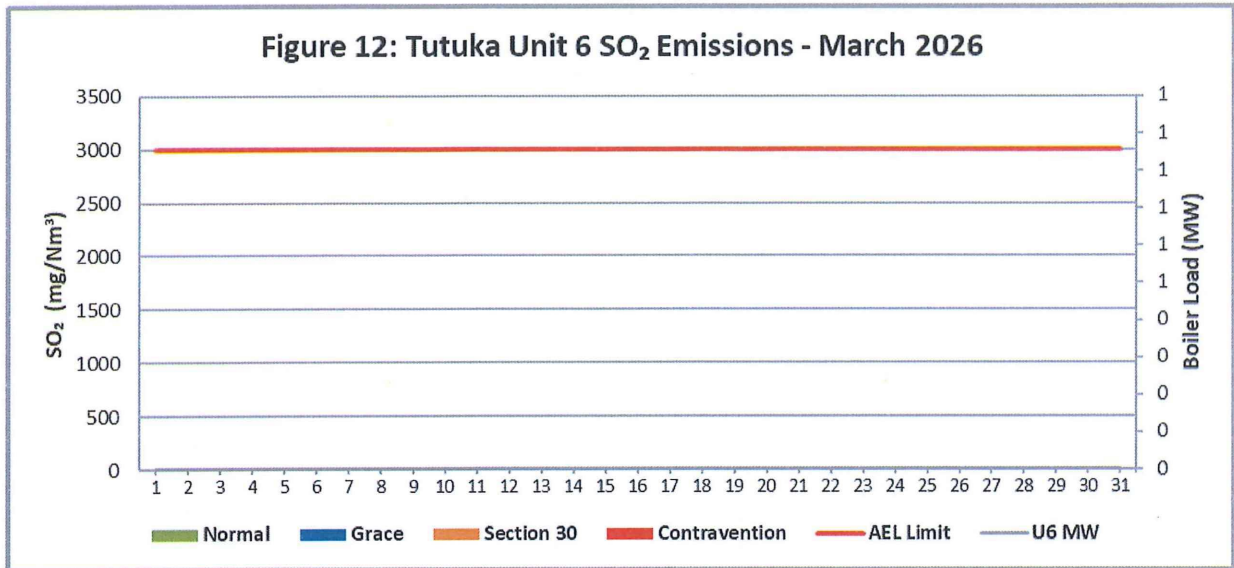
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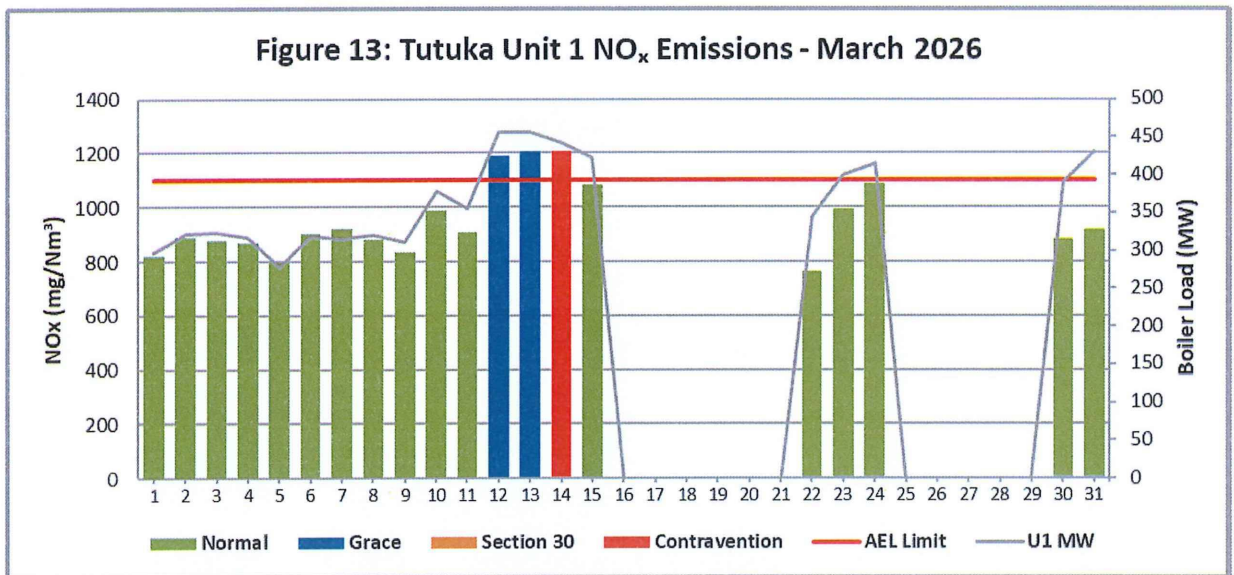


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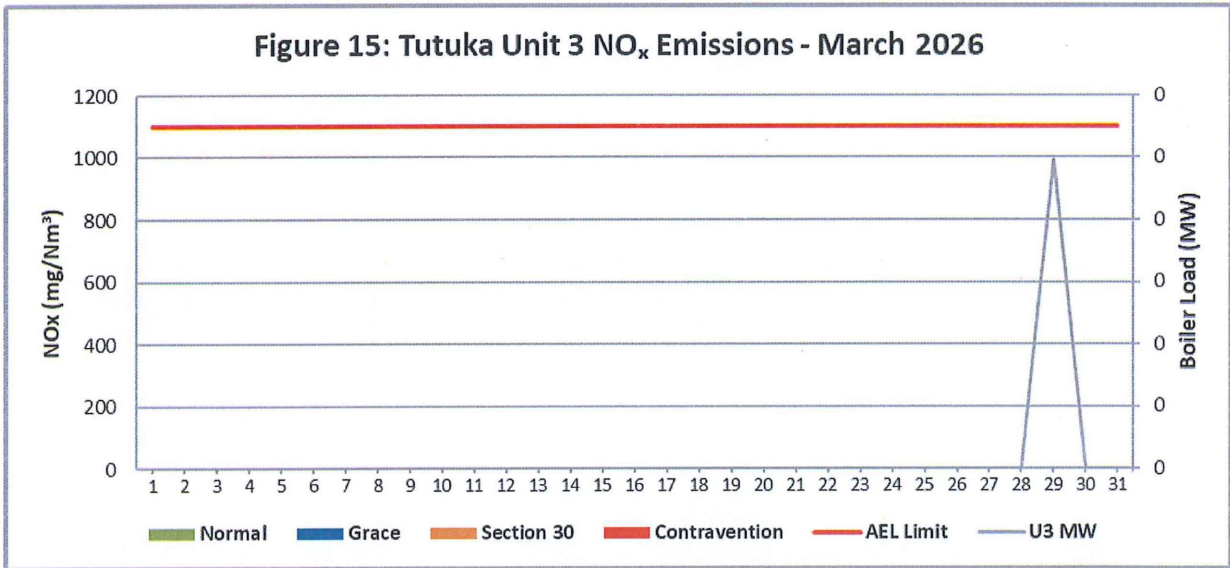
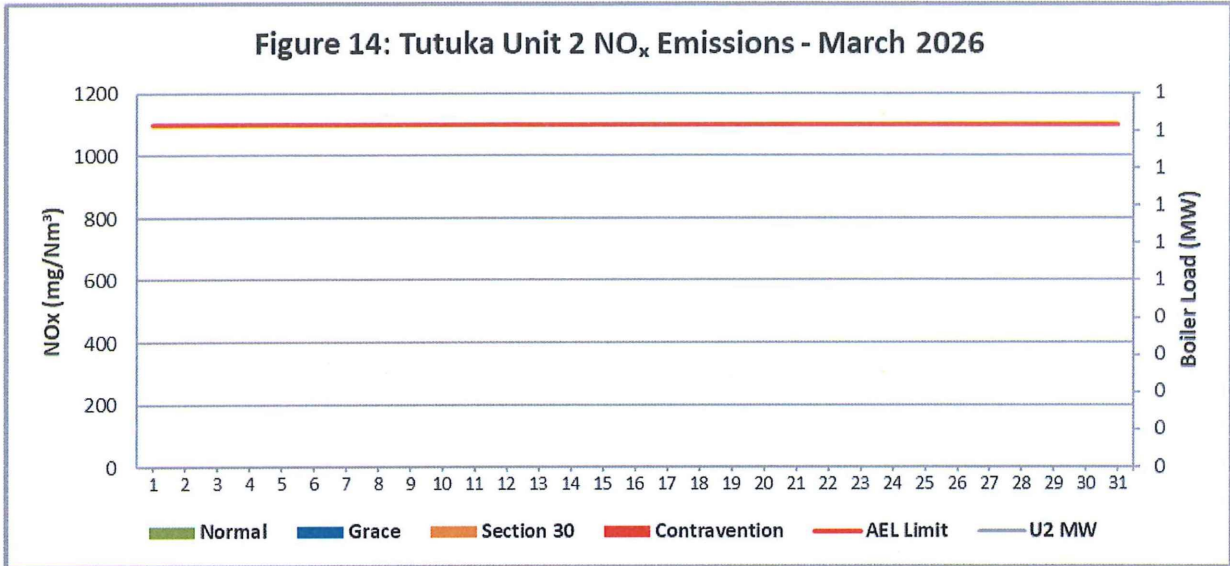


5.3 NO_x Daily Averages



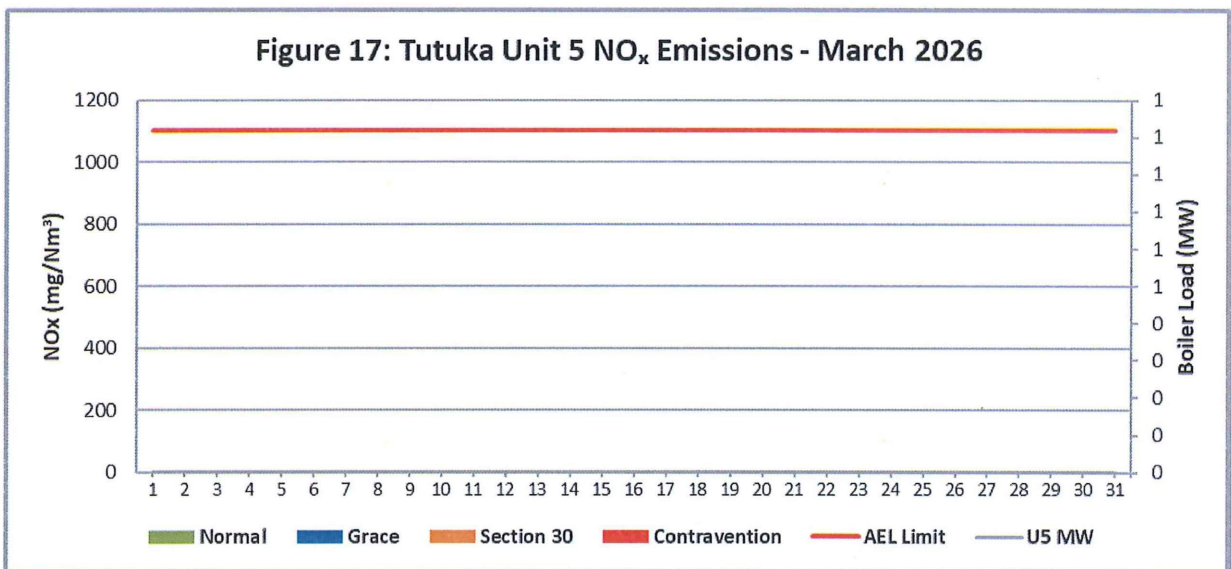
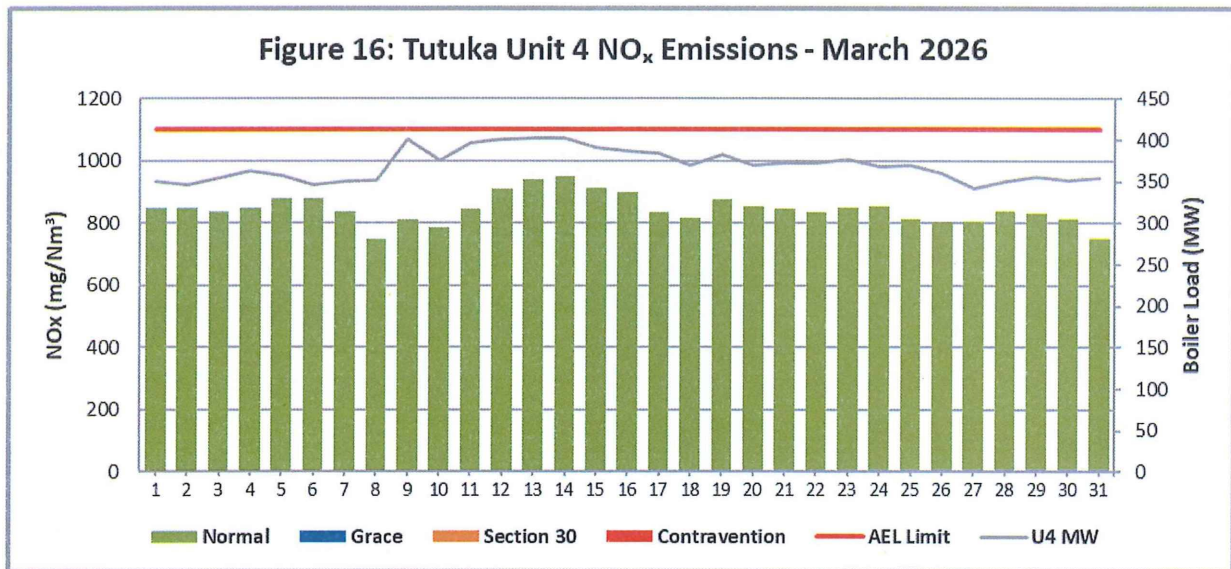
Tutuka Power Station Unit 1 exceeded daily NO_x limit of 1100 mg/Nm³ from the 12 – 14 March 2026, the exceedance was attributed to an increase with load of the machine from 350MW to 450MW during this period, as expected. However, the O₂ readings were above 8%. The station incurred a Legal Contravention, and the incident is currently under investigation.

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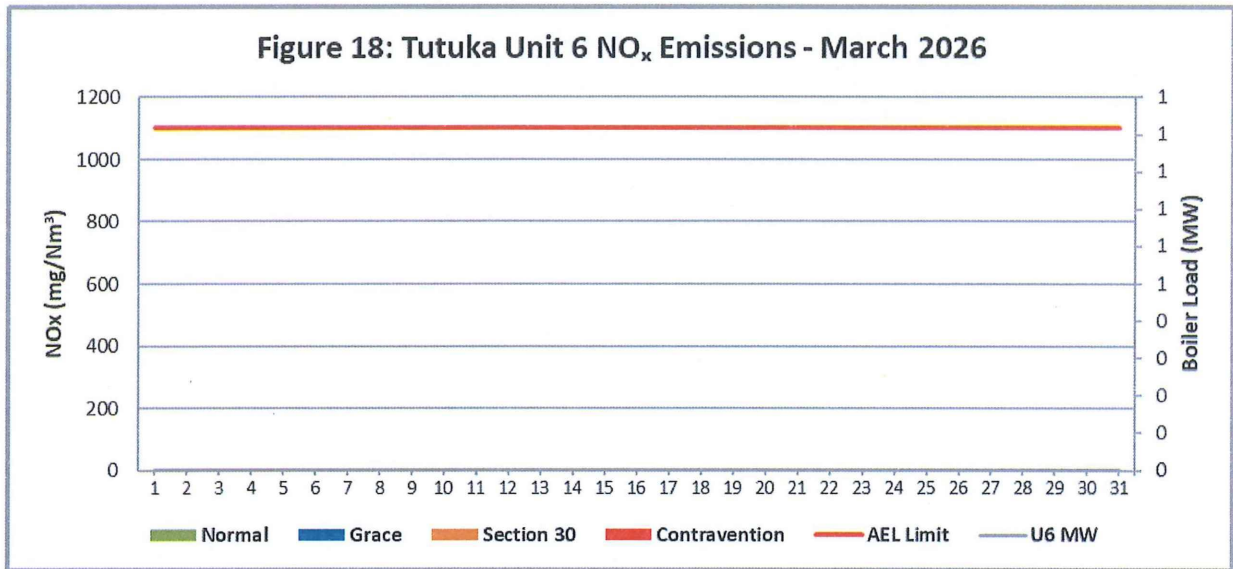


Table 5-Monthly Tonnages for 03/2026

Associated Unit/Stack	PM	SO ₂	NO ₂
Unit 1	39.2	1 629	822
Unit 2	Off	Off	Off
Unit 3	Off	Off	Off
Unit 4	199.5	3 131	1 526
Unit 5	Off	Off	Off
Unit 6	Off	Off	Off
SUM	238.68	4 759	2 348

Table 6-Monthly Averages Concentration for 03/2026 in mg/Nm³

Associated Unit/Stack	PM	SO ₂	NO ₂
Unit 1	60.7	1 902.2	950.7
Unit 2	Off	Off	Off
Unit 3	Off	Off	Off
Unit 4	111.8	1 737.1	845.3
Unit 5	Off	Off	Off
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
March 2026		The station is using curves from the latest correlation and parallel tests.

Table 8-CEMS Monitor Reliability Percentage

Associated Unit/Stack	PM	SO ₂	NO ₂	O ₂
Unit 1	83.1	99.4	99.4	99.4
Unit 2	Off	Off	Off	Off
Unit 3	Off	Off	Off	Off
Unit 4	100.0	100.0	100.0	100.0
Unit 5	Off	Off	Off	Off
Unit 6	Off	Off	Off	Off

7. CEMS Calibration and Equipment Used for Calibration

Calibration certificates to be made available upon request.

Table 9-Complaints for the month of 03/2026

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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