

Nompumelelo Simelane  
 Air Quality Officer  
 Nkangala District Municipality  
 P.O Box 437  
 Middelburg  
 1050

Date:  
 28 May 2026

Enquiries:  
 Livhuwani Tshilate  
 017 615 2317

Ref: 17/AEL/MP312/11/09

Dear Ms Simelane

**KRIEL POWER STATION'S ANNUAL EMISSIONS REPORT FOR FINANCIAL YEAR 2025/26**

This serves as the annual report required in terms of Section 7.6 of Kriel Power Station's Atmospheric Emission License 17/AEL/MP312/11/09 and the Minimum Emissions Standards (Section 17 and 18). The emissions are for the Eskom Kriel Power Station 2025/26 financial year which is from 1 April 2025 to 31 March 2026. Verified emissions of Particulates Matter (PM), SO<sub>2</sub> and NO<sub>x</sub> (as NO<sub>2</sub>) are also included.

**1. Pollutant emission trends**

Particulate emissions are measured at all power stations with opacity monitors, which are correlated to obtain emission concentrations. Gaseous emissions (SO<sub>2</sub>, NO<sub>x</sub>, N<sub>2</sub>O) are calculated from mass balance for SO<sub>2</sub>, from station-specific emission factor for NO<sub>x</sub> and from a generic emission factor for N<sub>2</sub>O.

The emissions in the table below are that of the 2025/2026 financial year.

**Table 1:** Total emissions at Kriel Power Station 2025/2026

Power Station	Coal-fired emissions (tons/annum)	Fuel-oil emissions (tons/annum)	Total (tons/annum)
Kriel Power Station	N <sub>2</sub> O: 51.32 PM: 54 083.17 SO <sub>2</sub> : 74 222 NO <sub>x</sub> : 47 926	N <sub>2</sub> O: 1.49 PM: not calculated SO <sub>2</sub> : 770.54 NO <sub>x</sub> : not calculated	N <sub>2</sub> O: 51.32 PM: 54 083.17 SO <sub>2</sub> : 74 222 NO <sub>x</sub> : 47 926

**Table 2:** Pollutant Emission Trends in tons for 2025/2026

Month	PM (tons)	SO <sub>2</sub> (tons)	NOx (tons)	N <sub>2</sub> O (tons)
April 2025	3365.44	5 171	4 031	4.22
May 2025	8028.71	7 934	5 985	6.52
June 2025	17485.26	7 613	5 361	6.00
July 2025	15982.04	8 948	5 484	4.70
August 2025	3003.71	7 368	4 571	4.58
September 2025	1693.23	6 374	3 951	4.45
October 2025	441.76	5 223	3 519	3.86
November 2025	594.57	4 046	2 988	2.67
December 2025	1778.13	4 987	2 290	3.25
January 2026	686.83	5 417	2 940	3.57
February 2026	423.68	4 315	2 432	2.40
March 2026	599.81	6 826	4 374	5.09

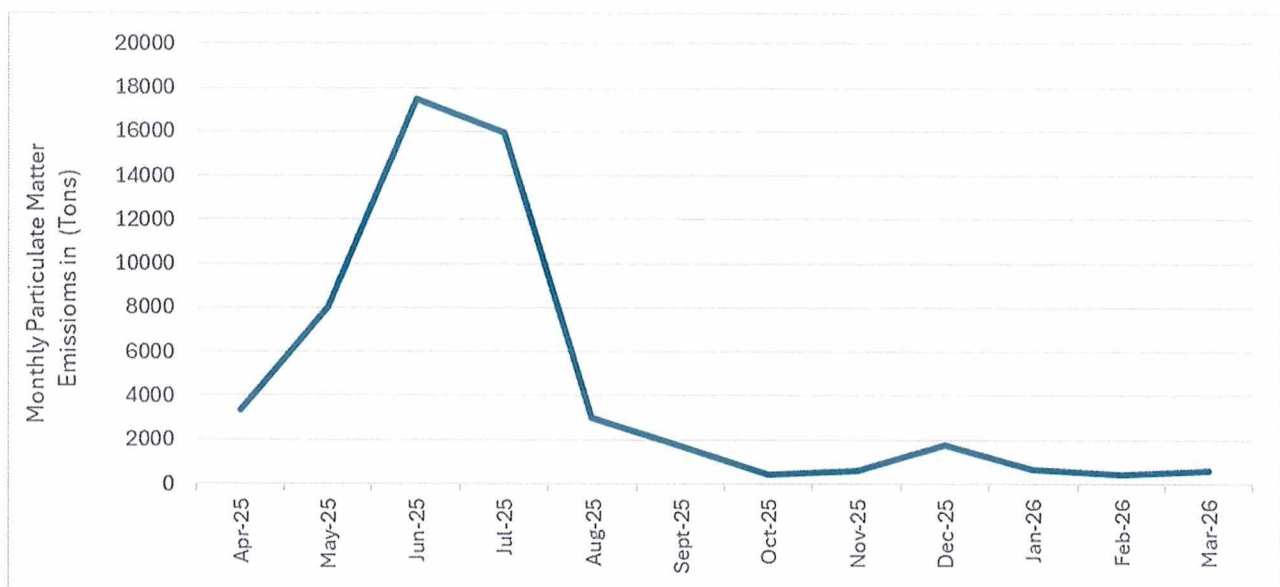


Figure 1. Monthly Particulate Emissions in tons from Kriel Power Station 2025/2026

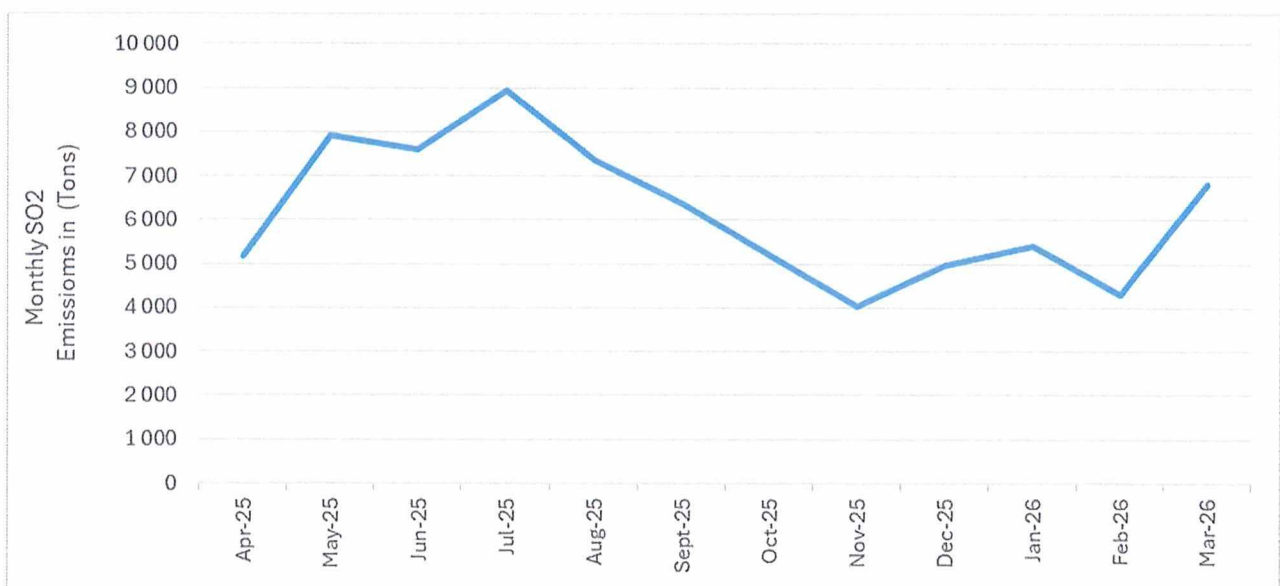


Figure 2. Monthly SO<sub>2</sub> emissions in tons from Kriel Power Station 2025/2026

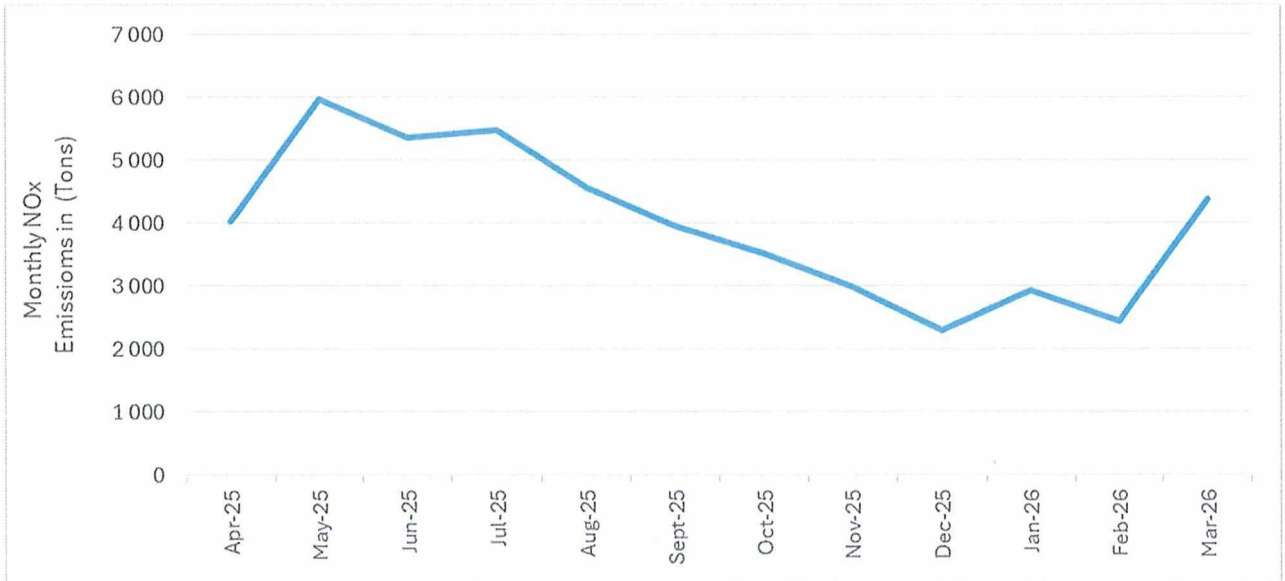
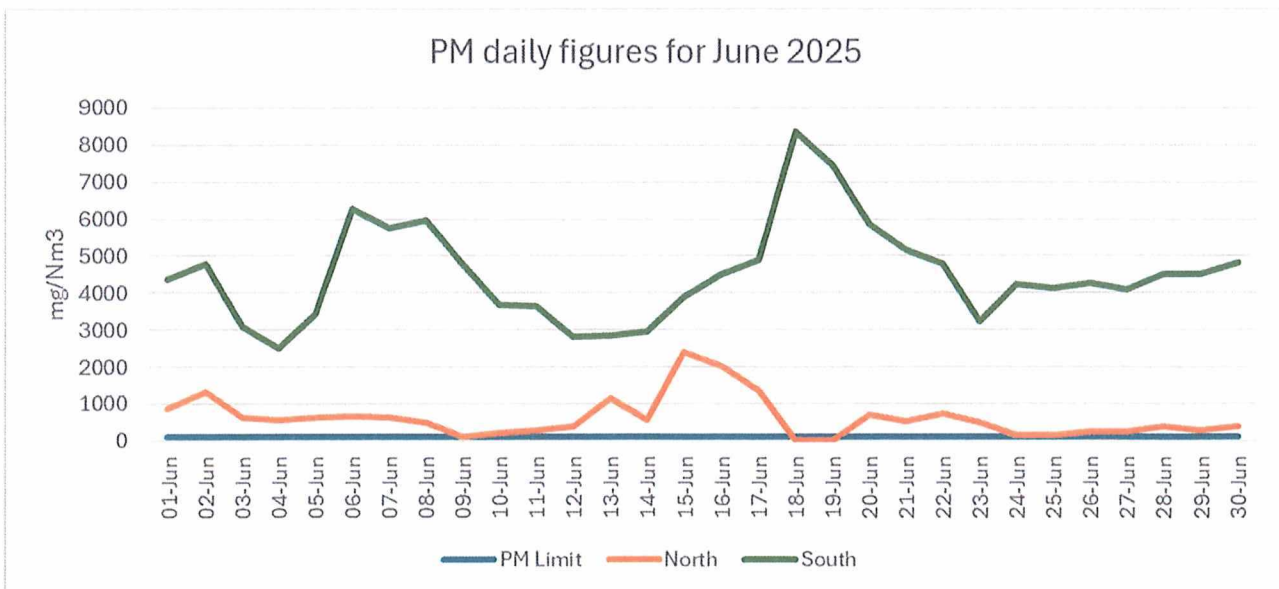
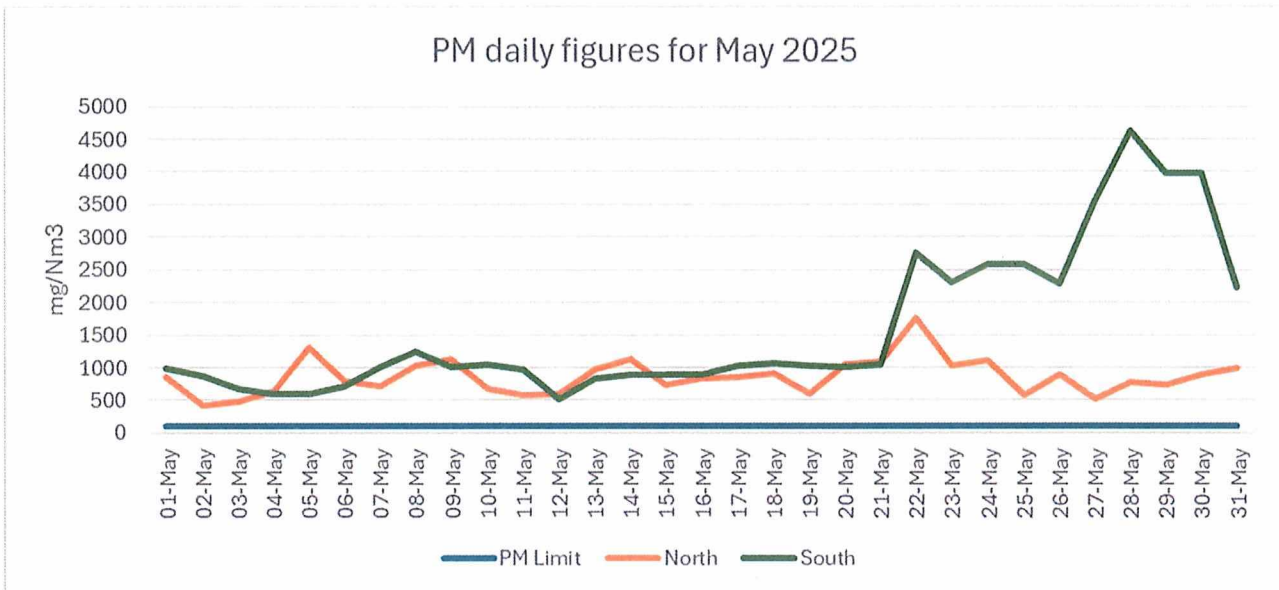
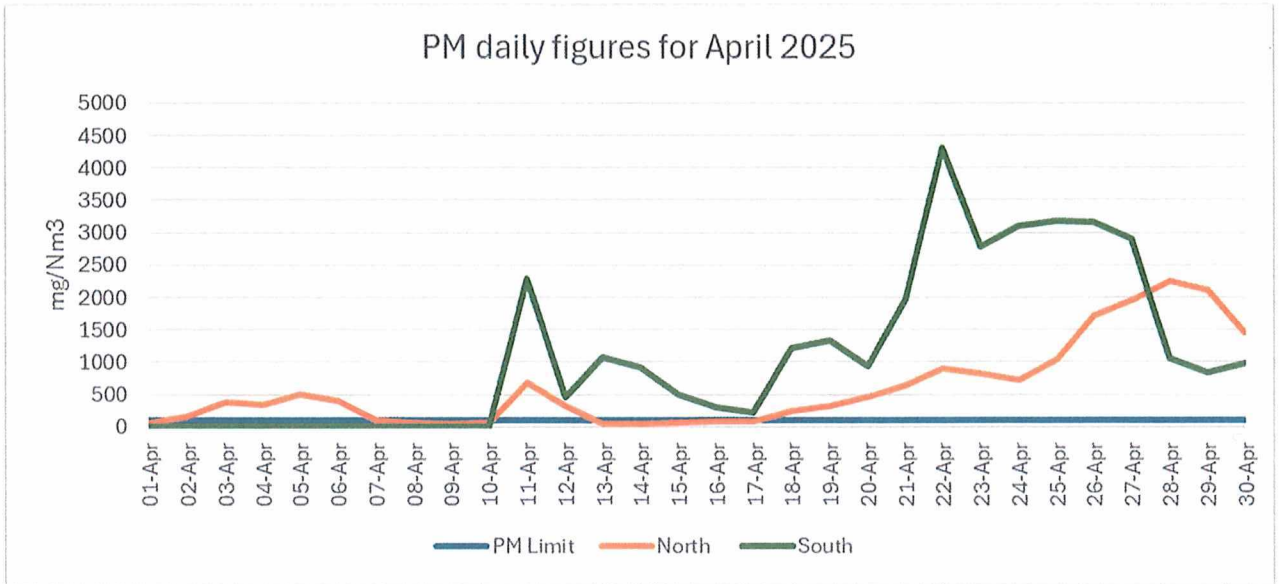


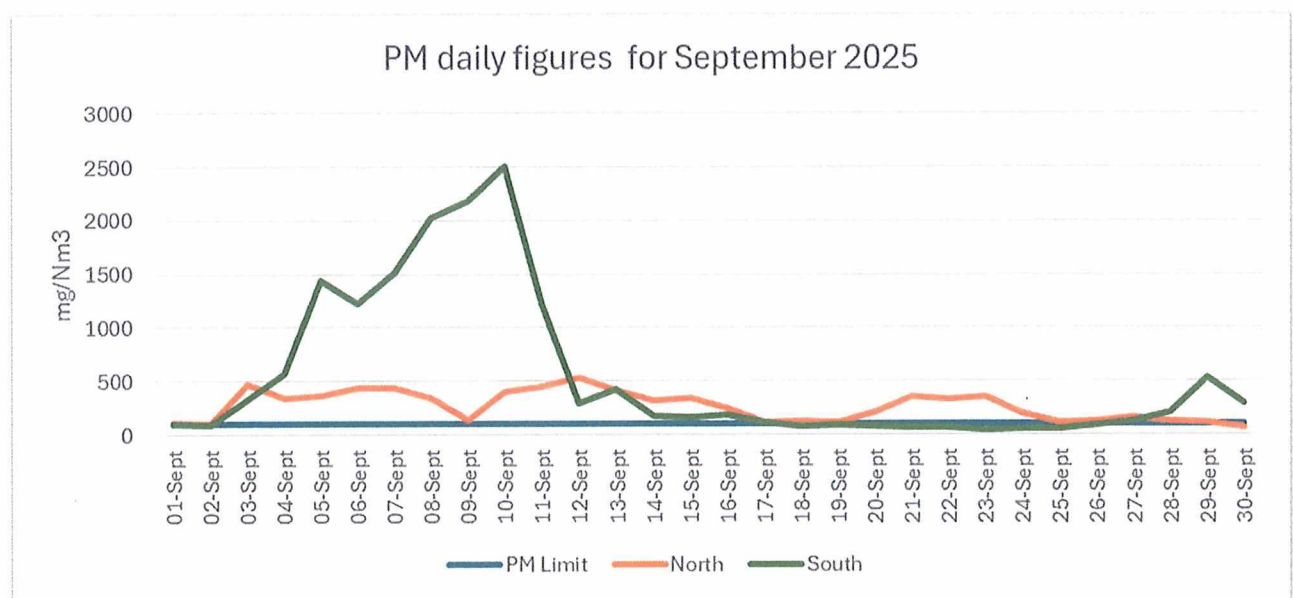
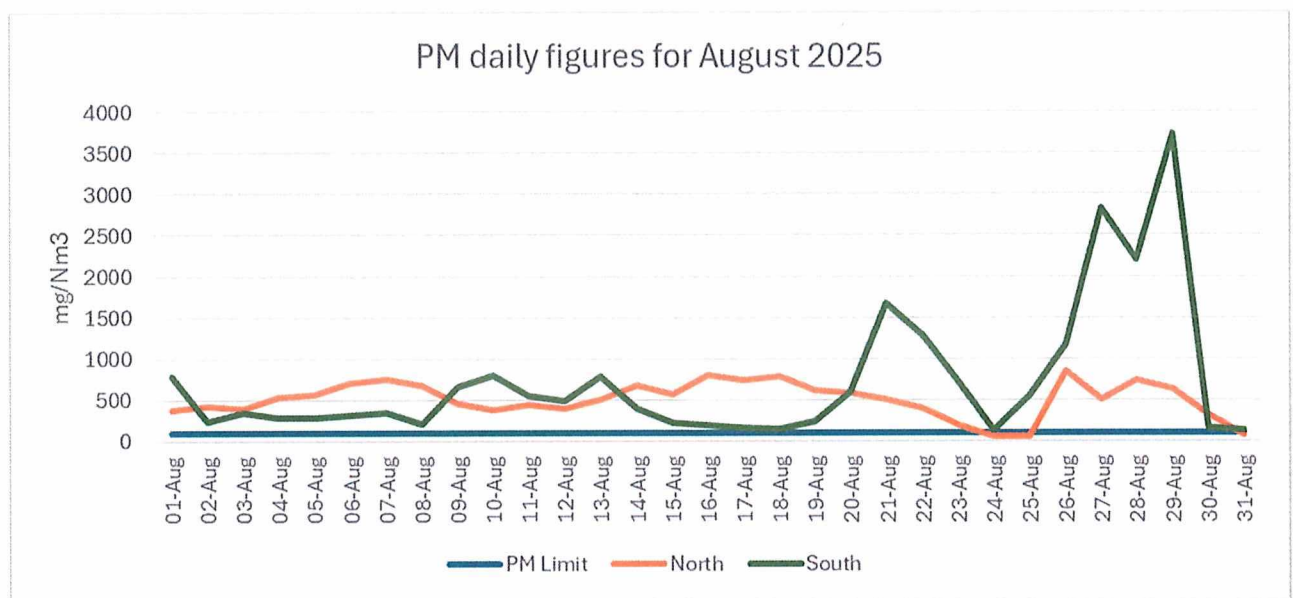
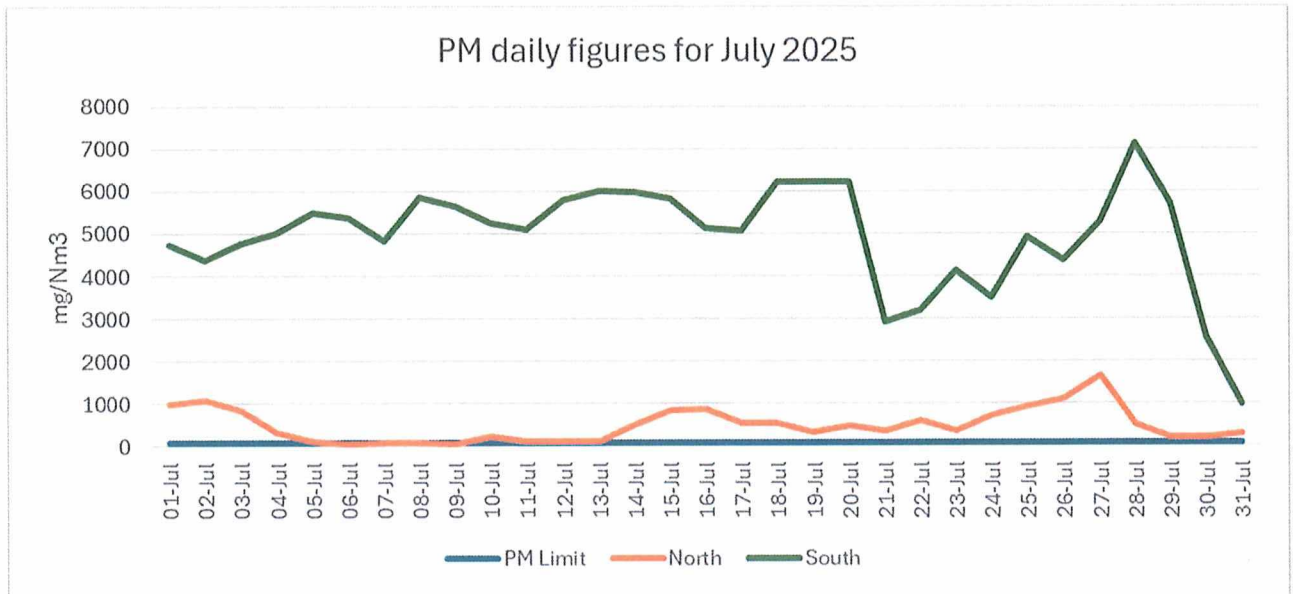
Figure 3. Monthly NO<sub>x</sub> emissions in tons from Kriel Power Station 2025/2026

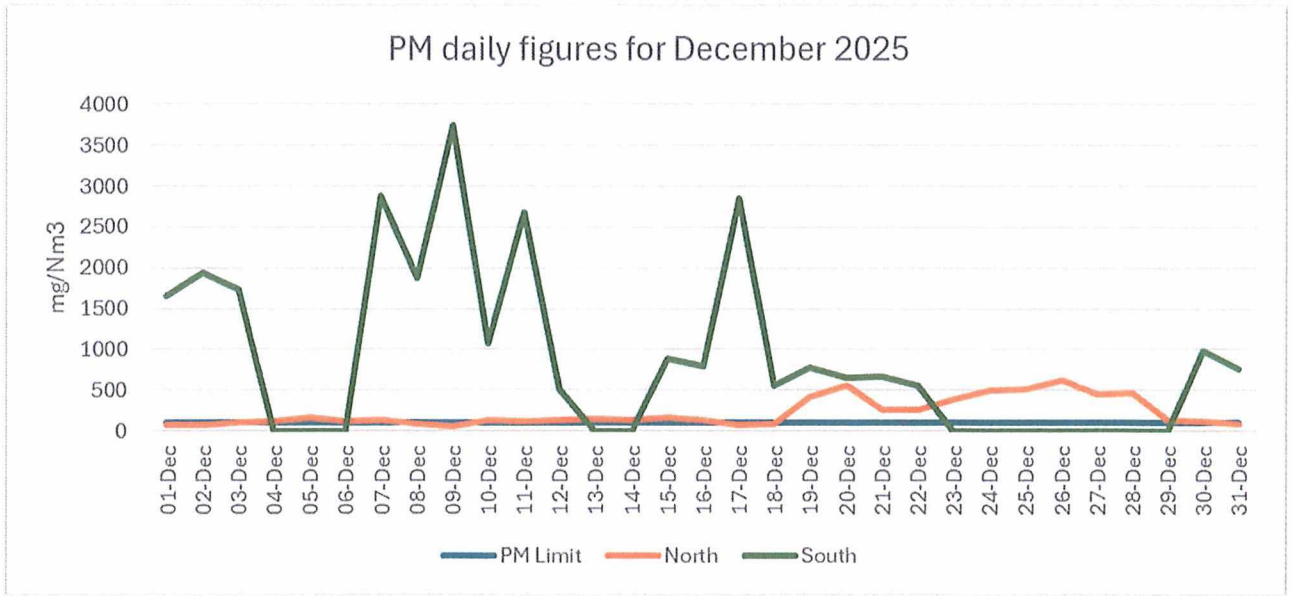
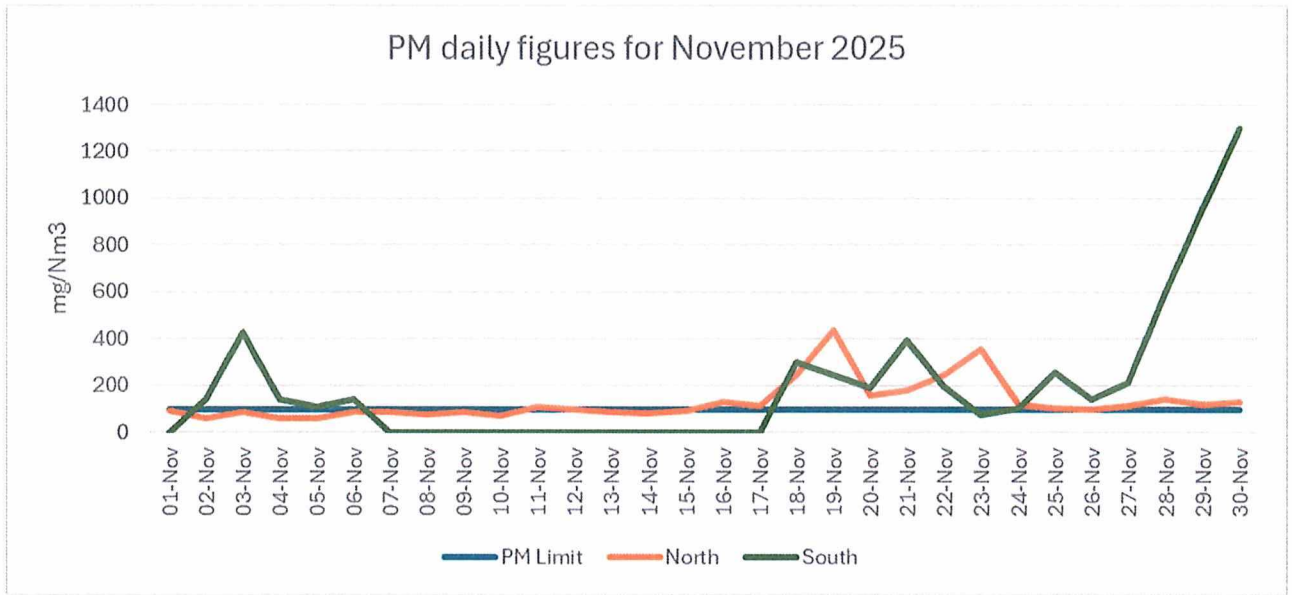
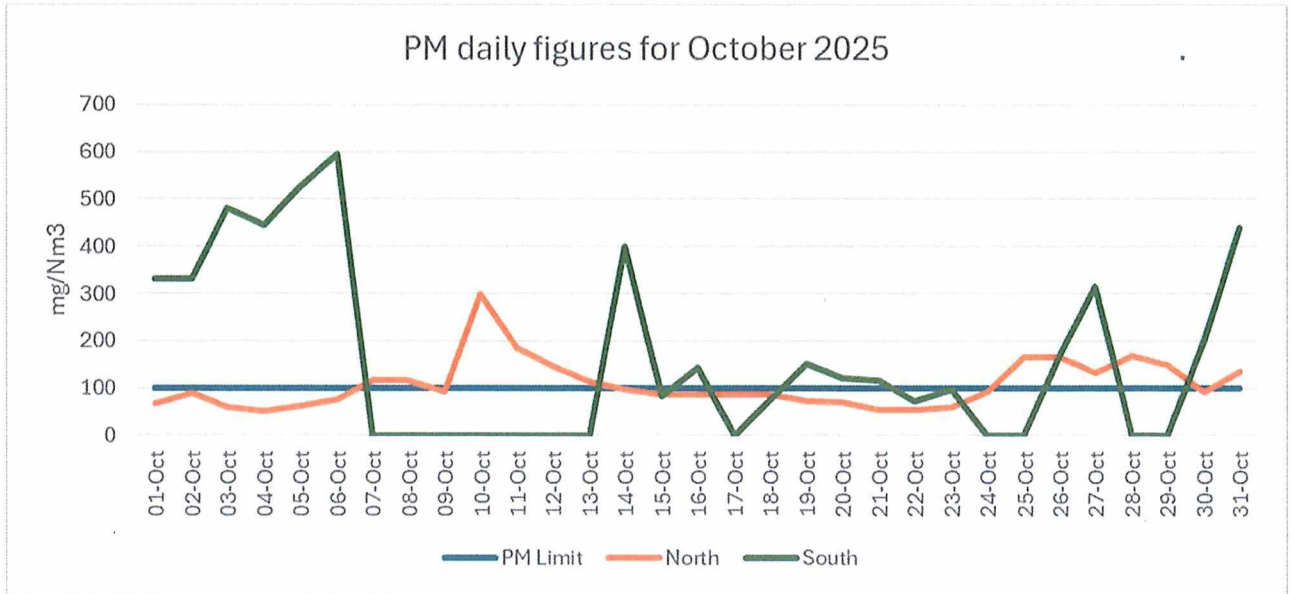


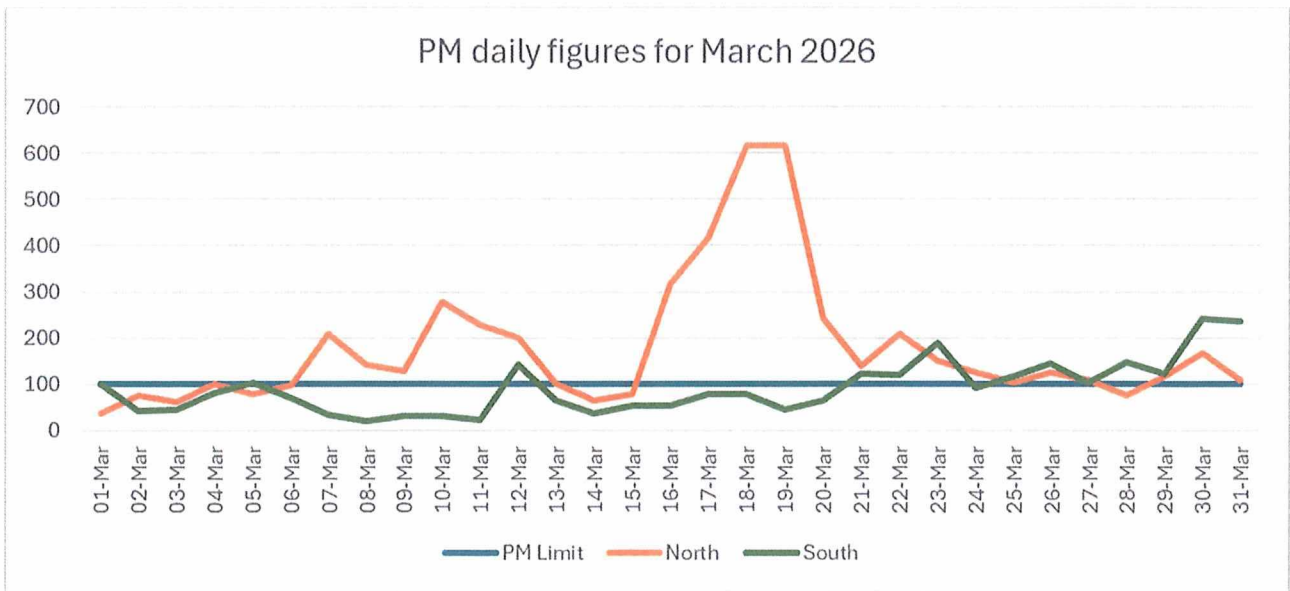
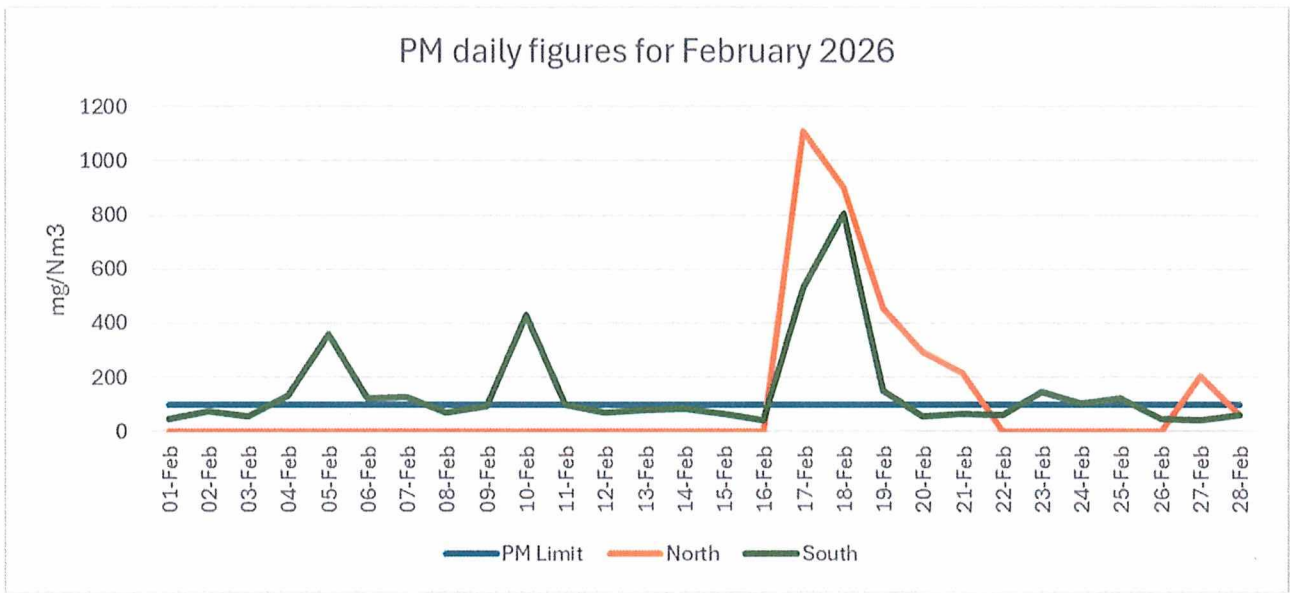
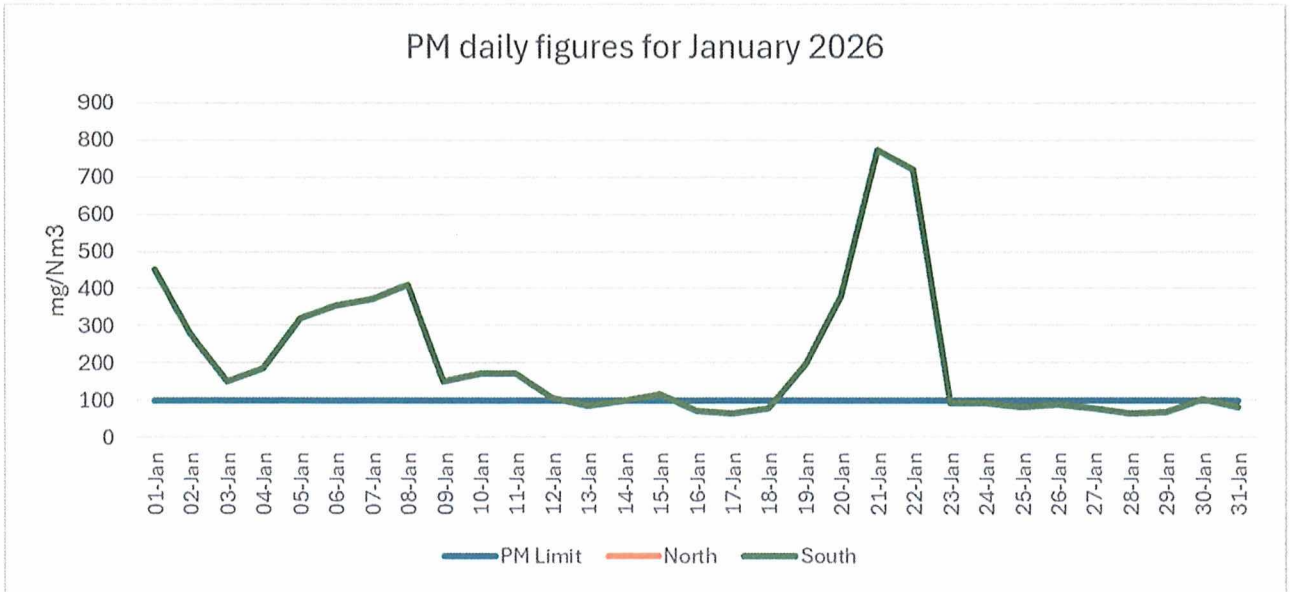
Figure 4. Monthly N<sub>2</sub>O emissions in tons from Kriel Power Station 2025/2026

Graphs April 2025 – March 2026

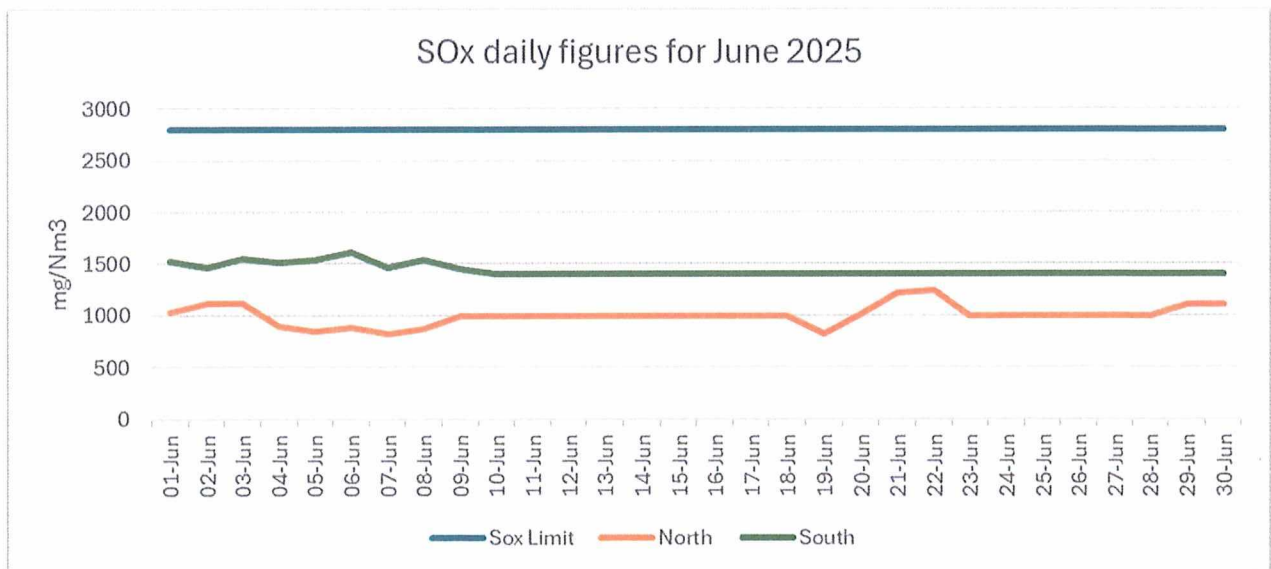
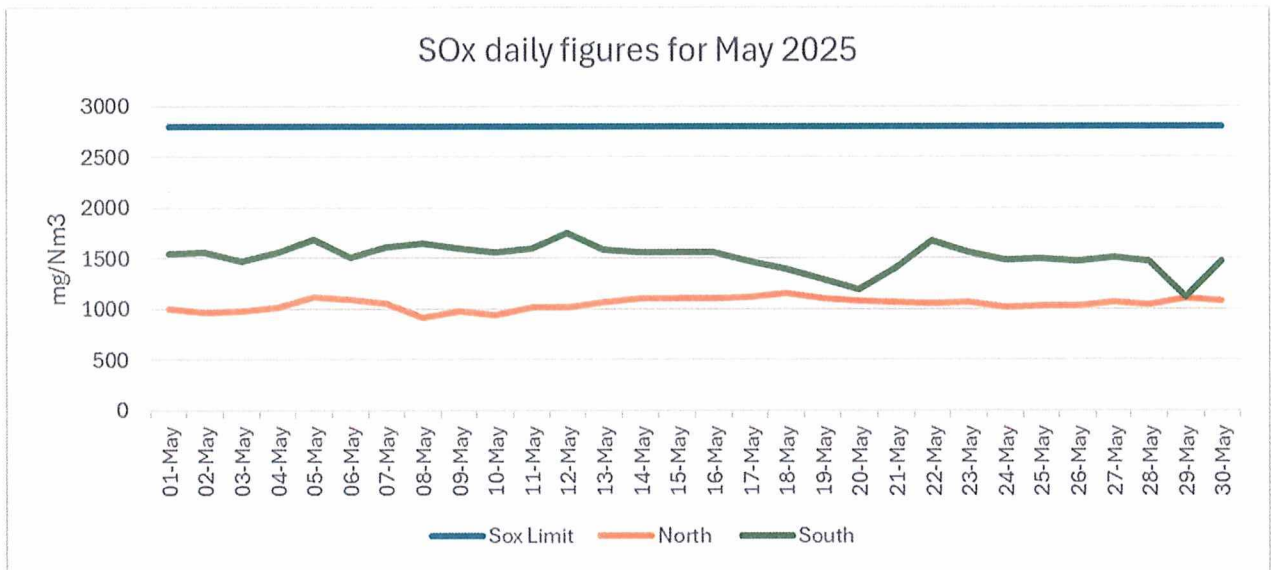
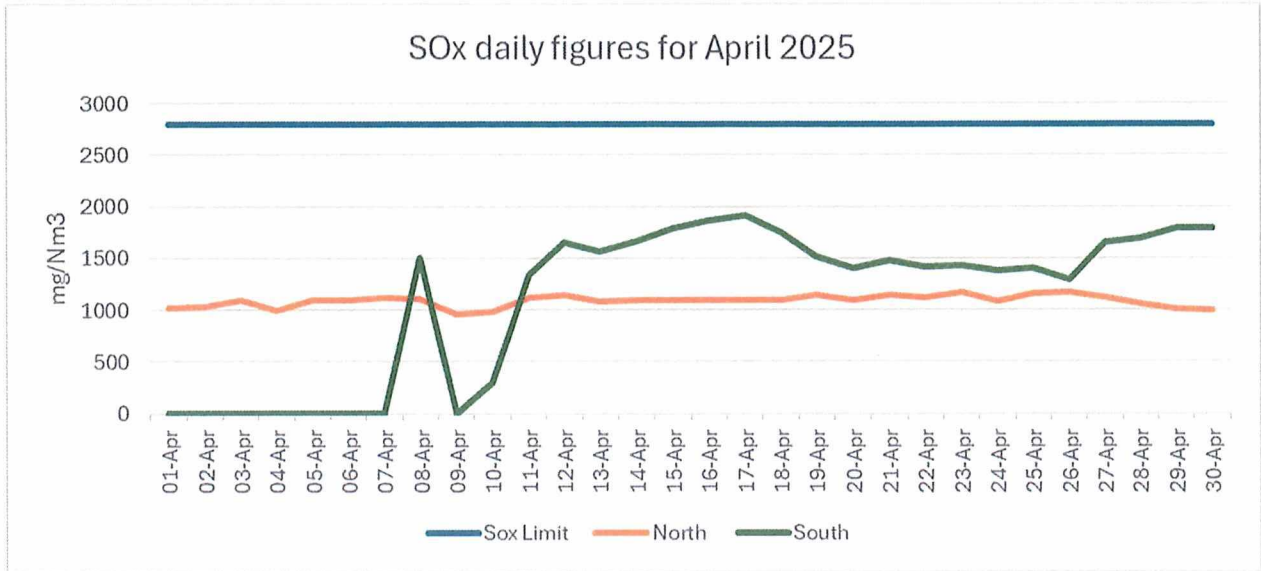




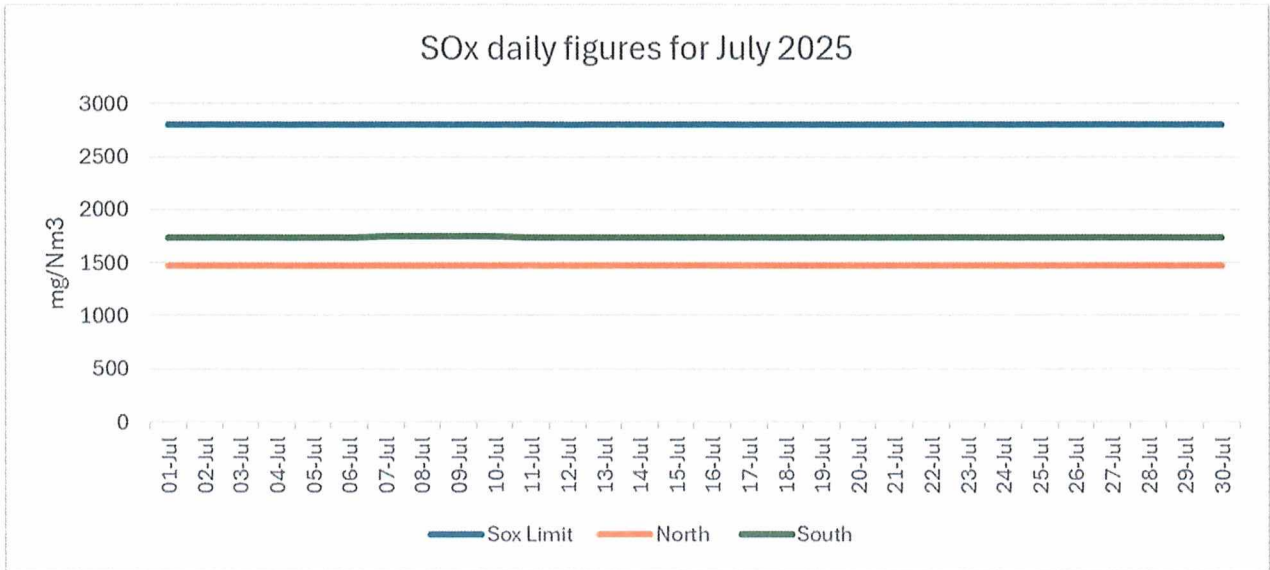




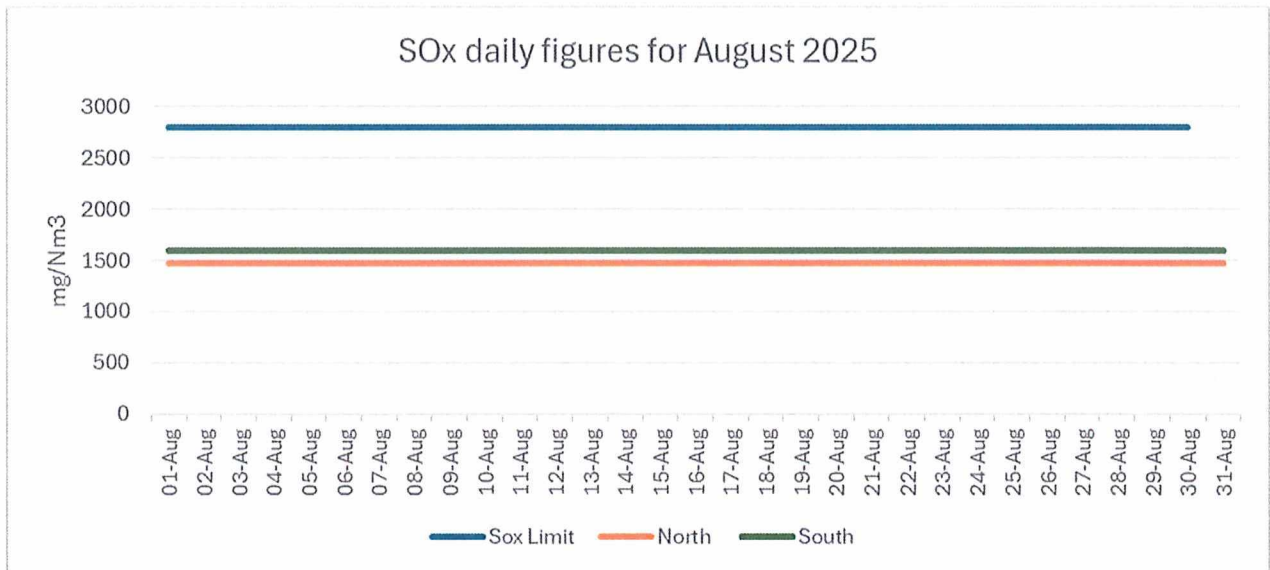
Daily SOx Figures in mg/Nm<sup>3</sup>  
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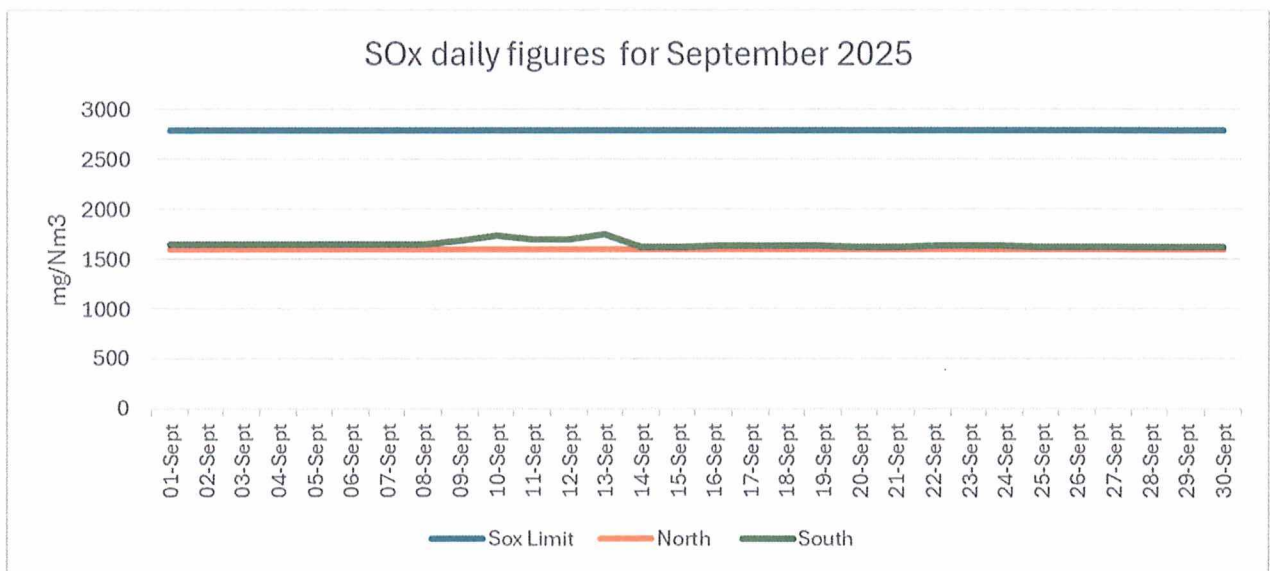
Reason for constant reading was attributed to the fact that gaseous readings were faulty due to possible monitor malfunctioning.



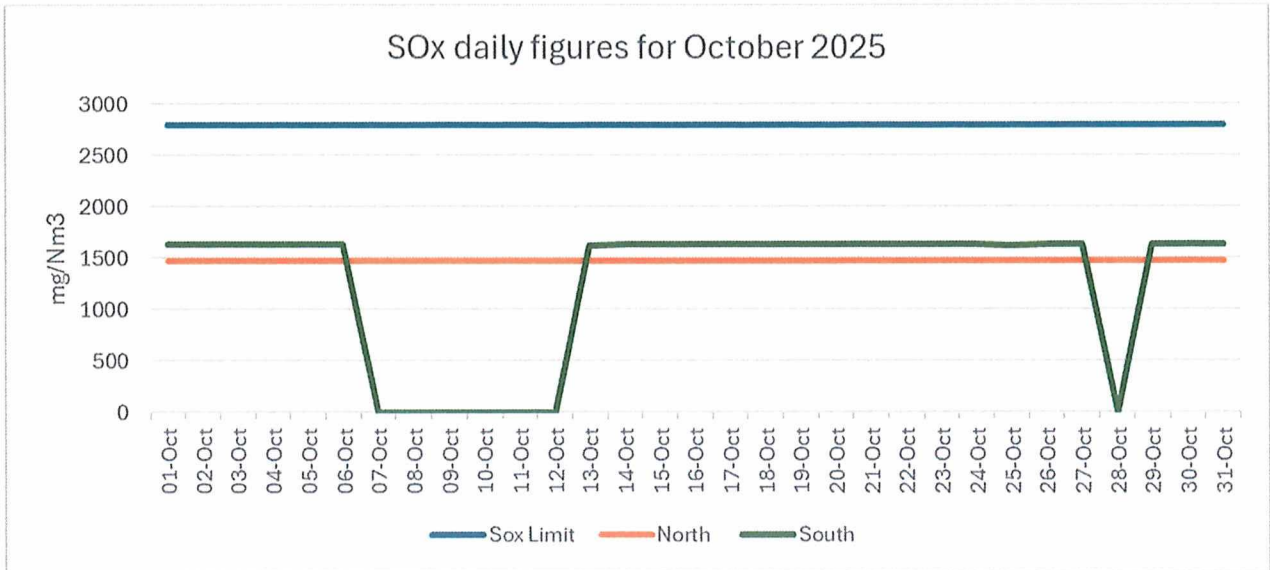
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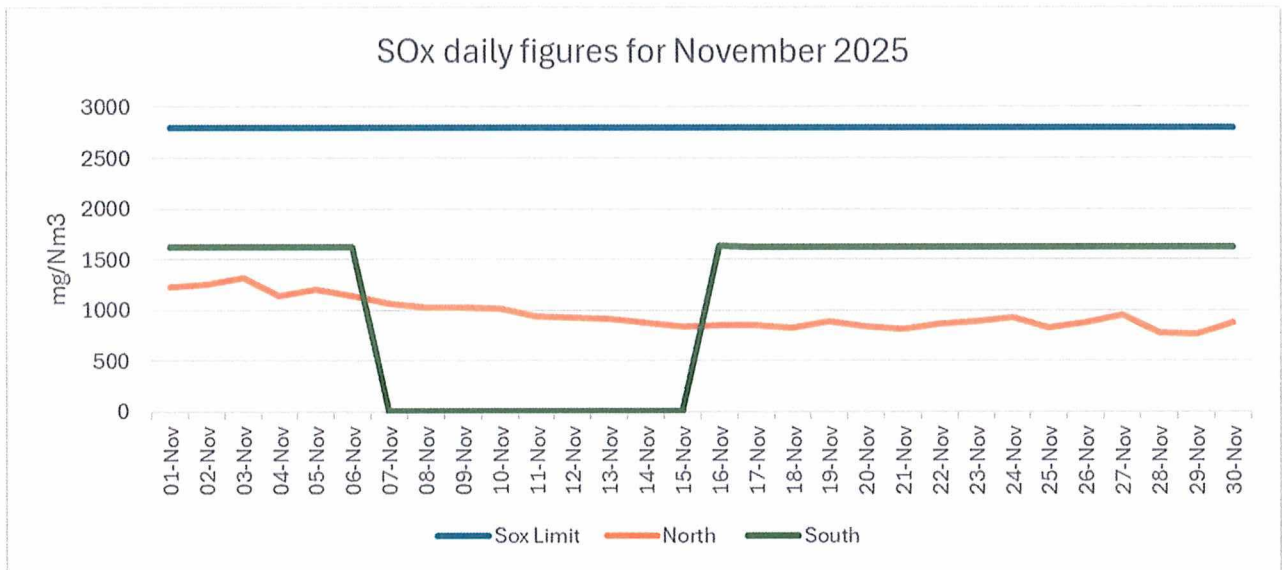
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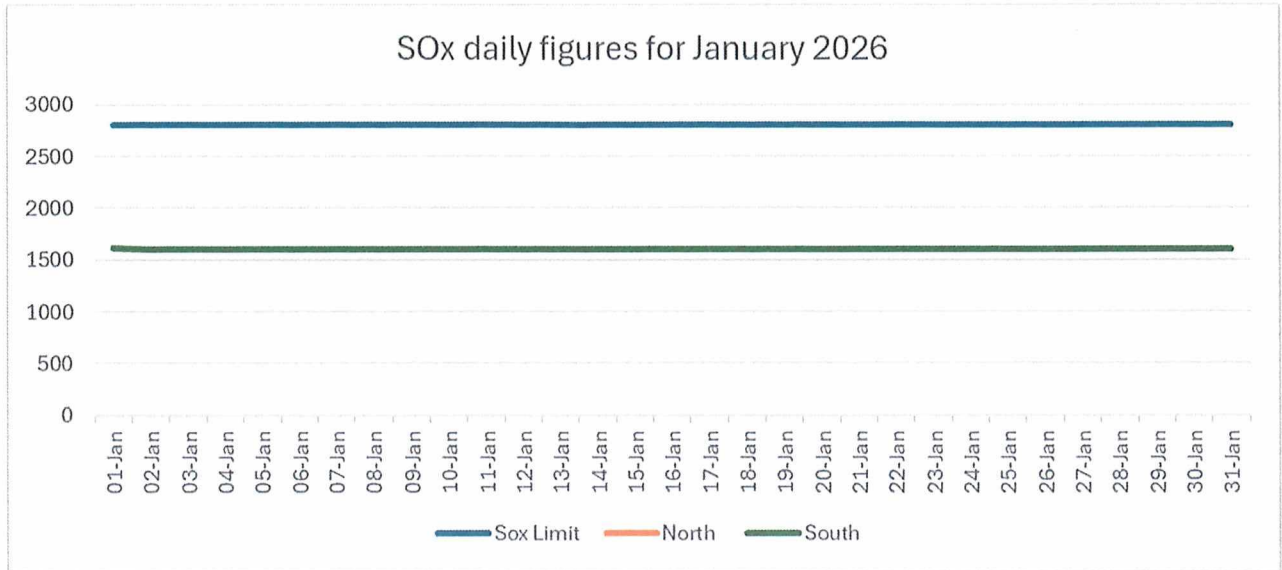
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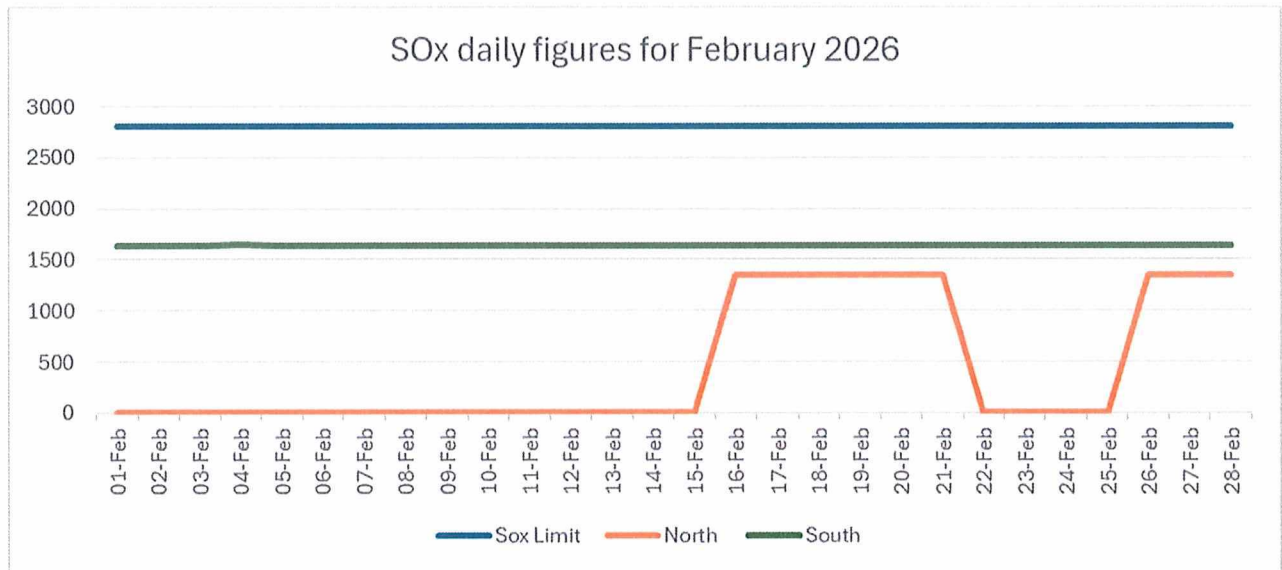
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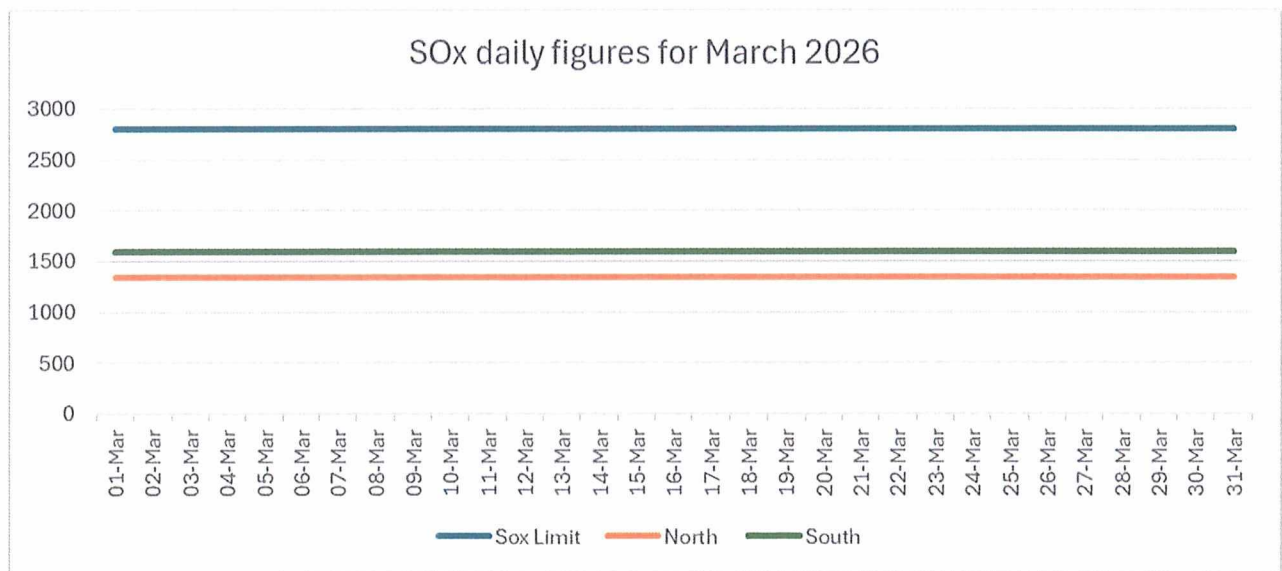
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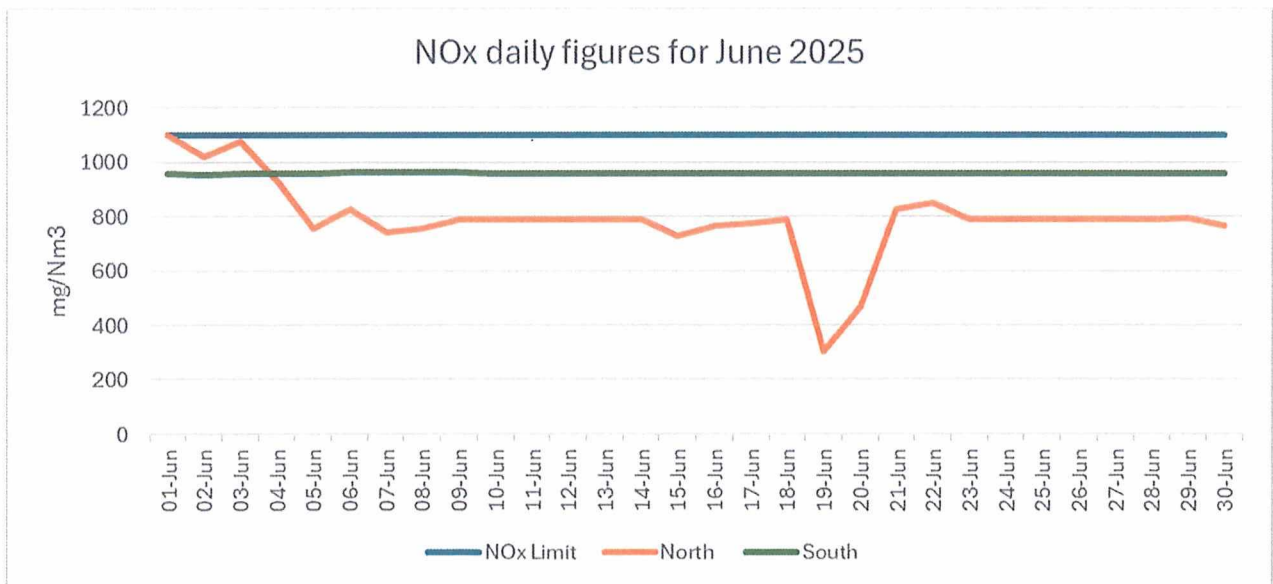
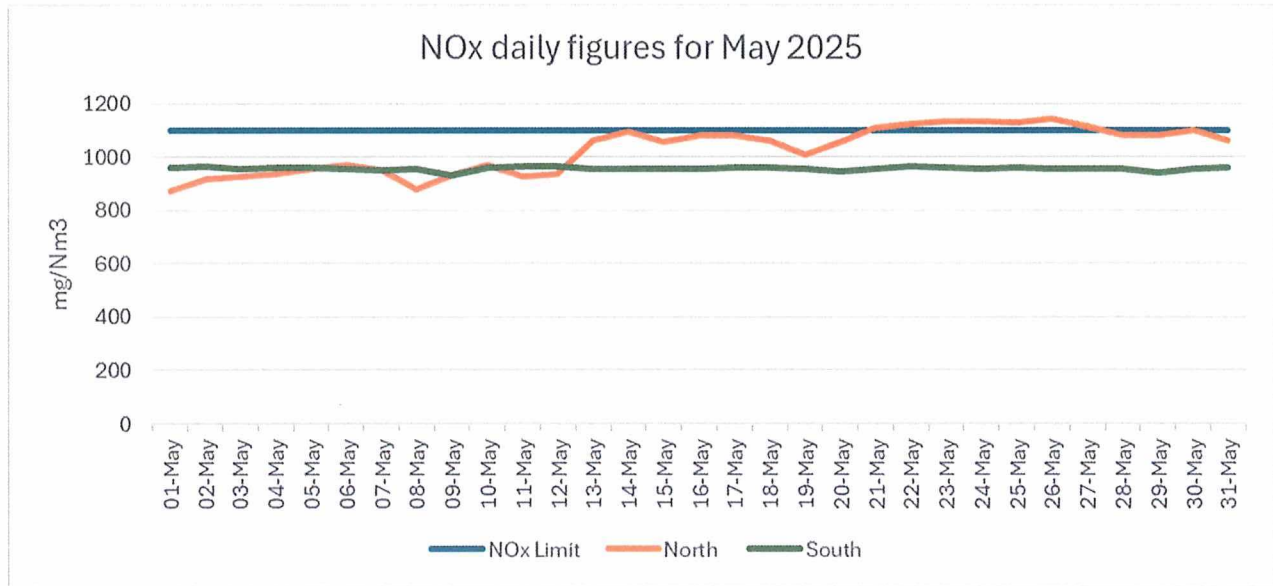
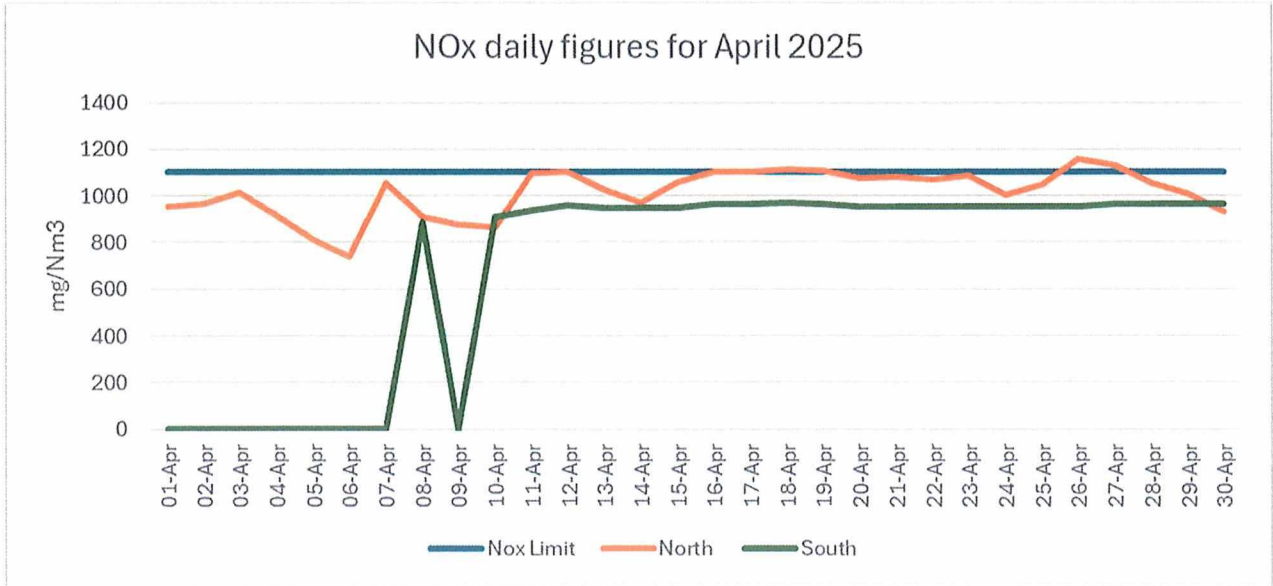


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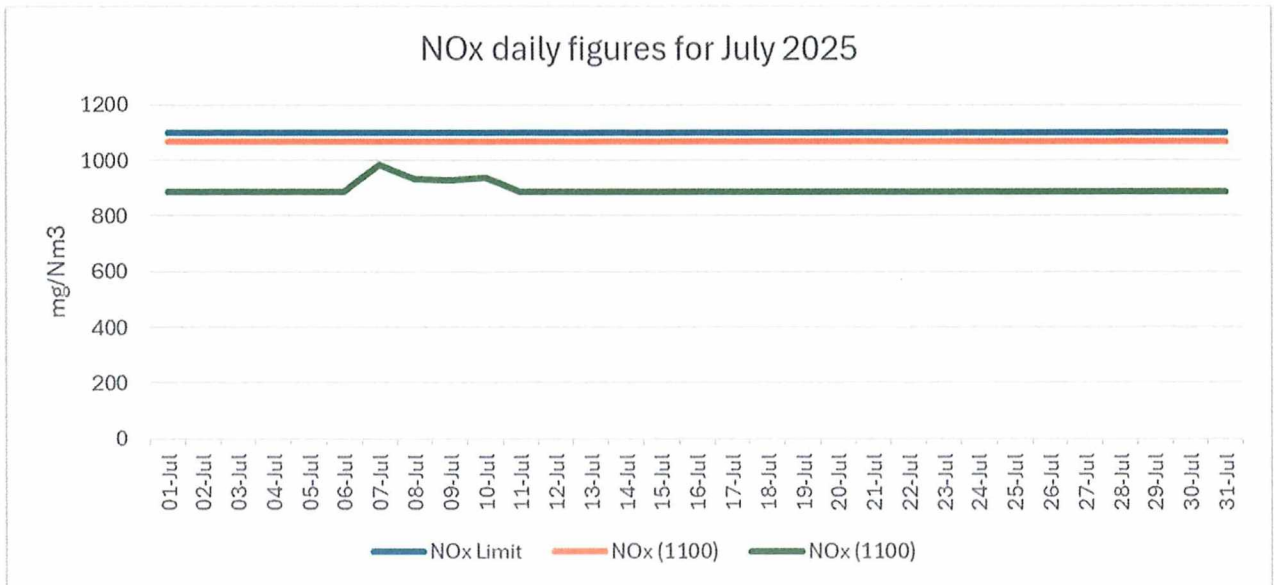


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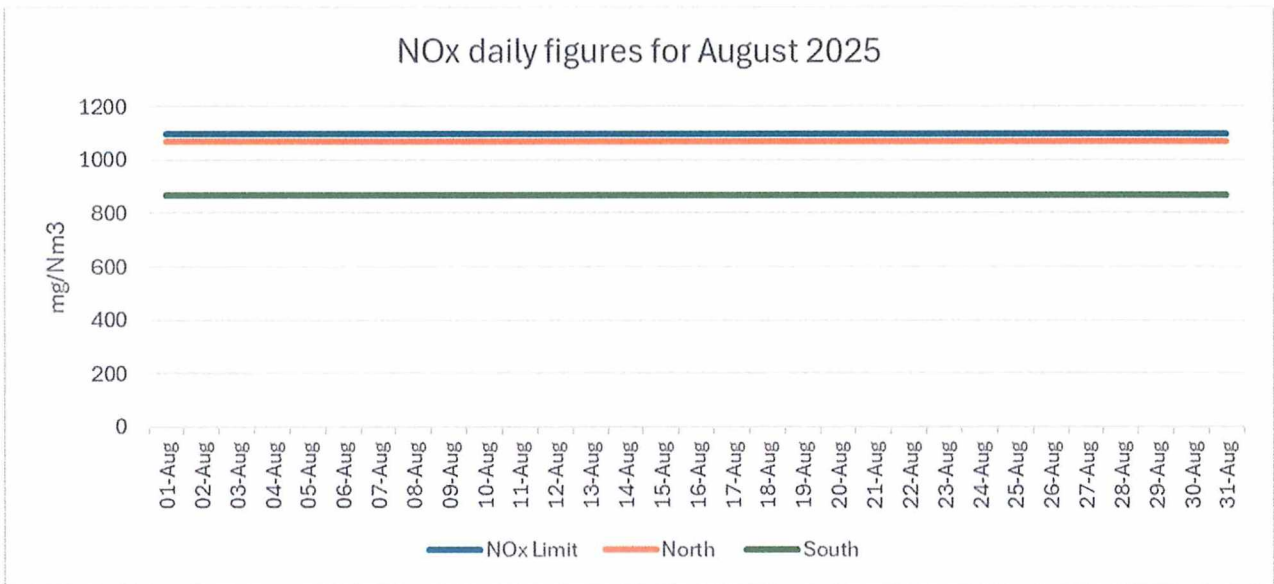
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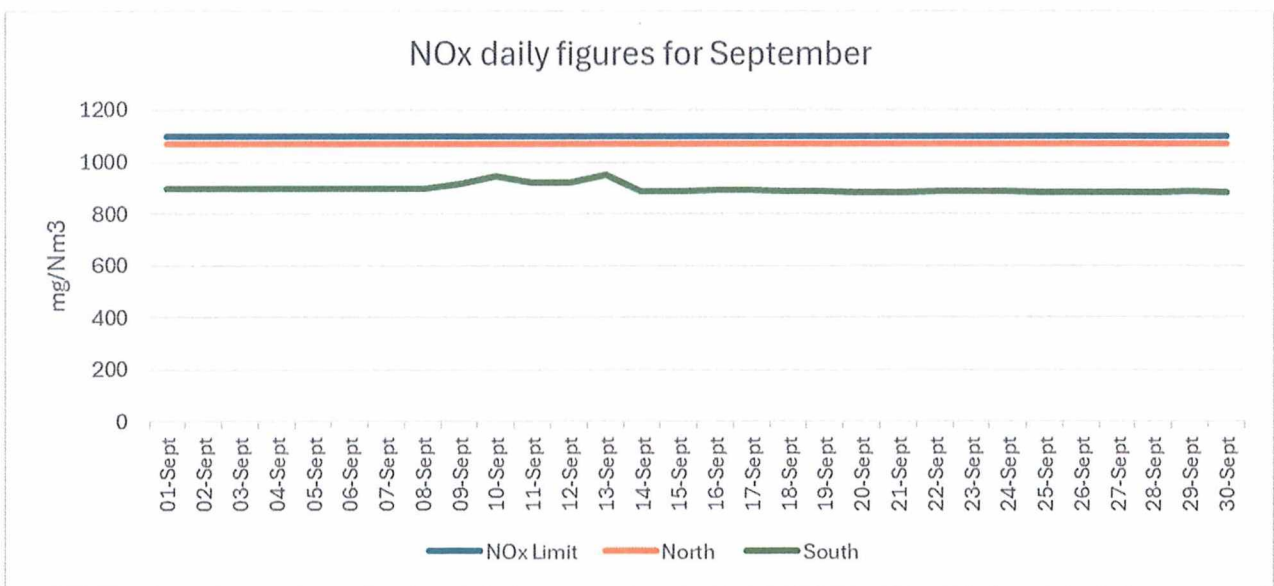
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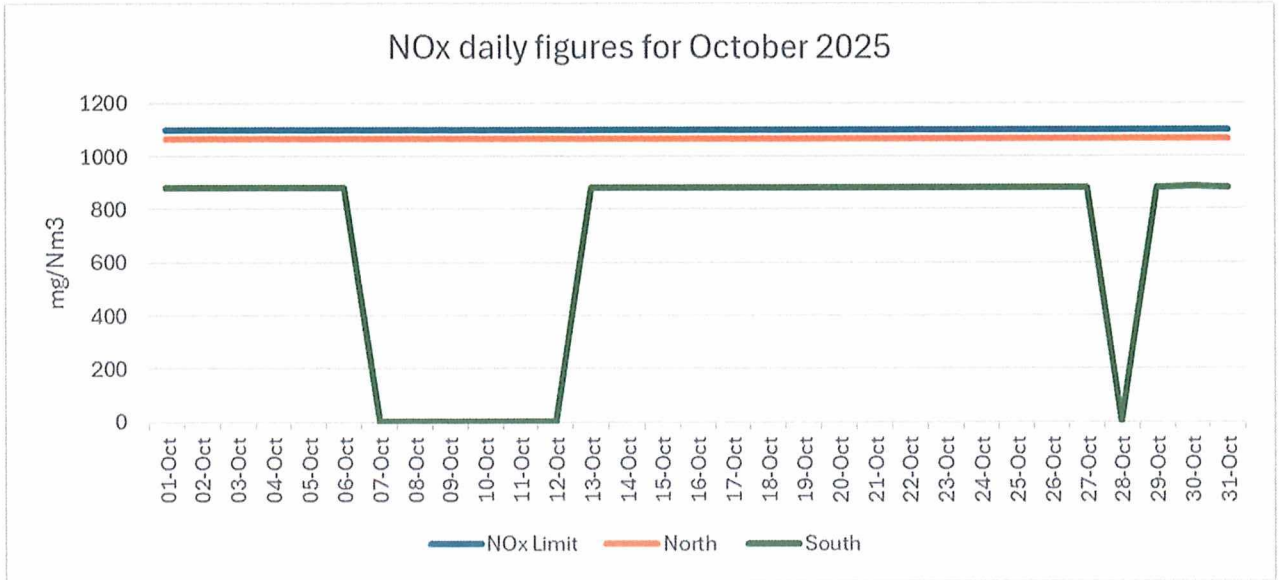
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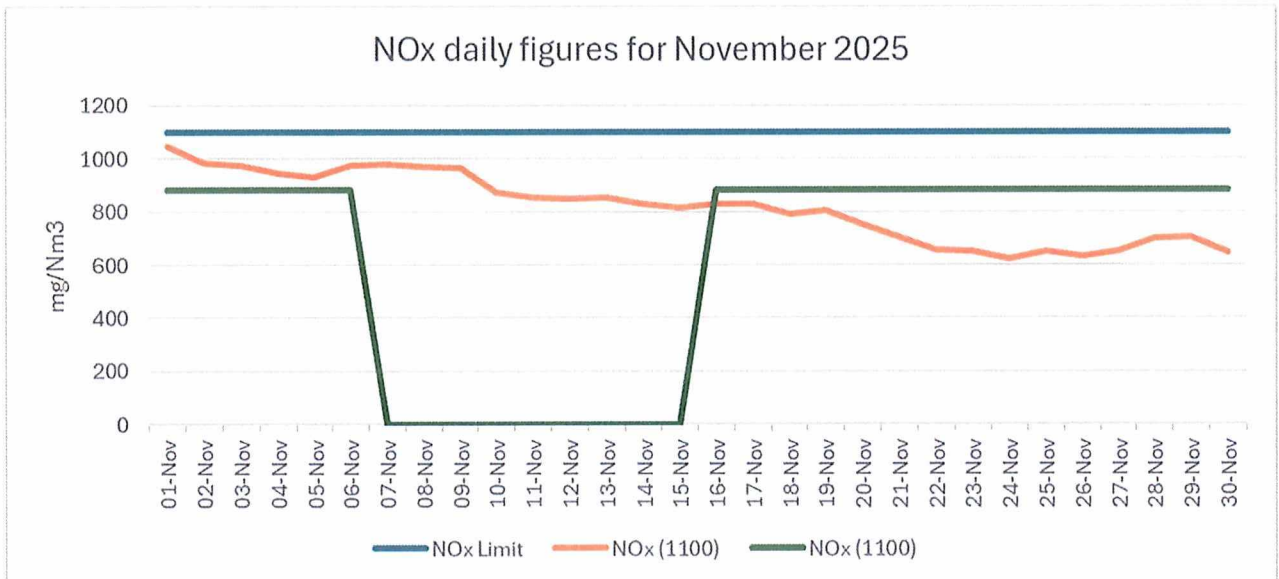
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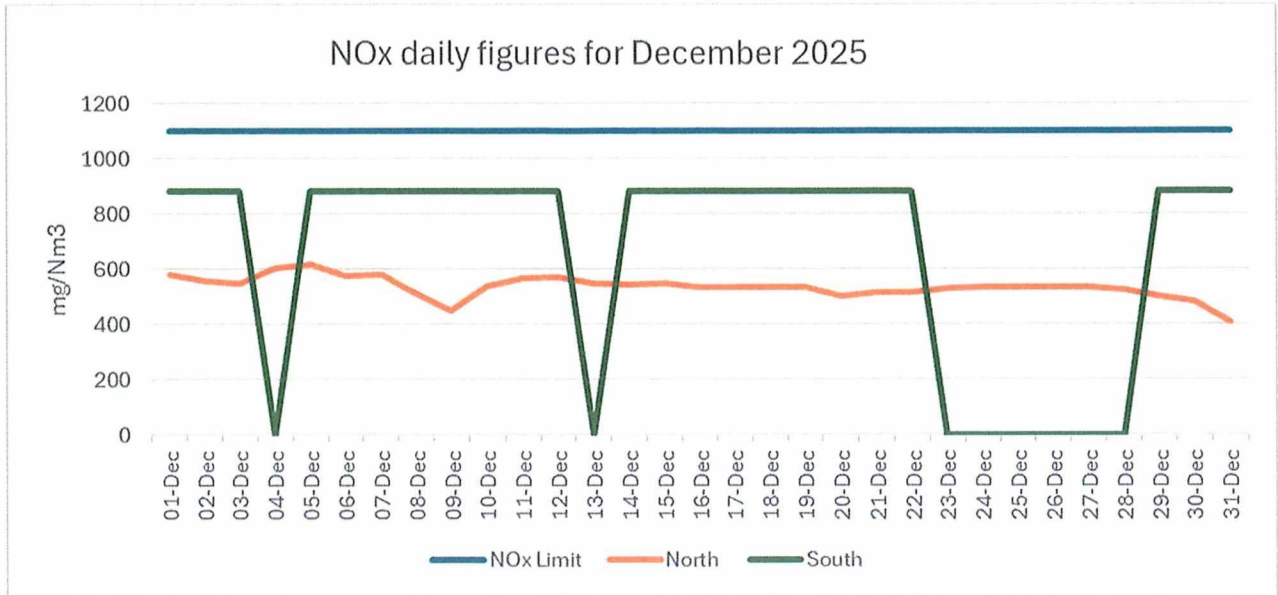
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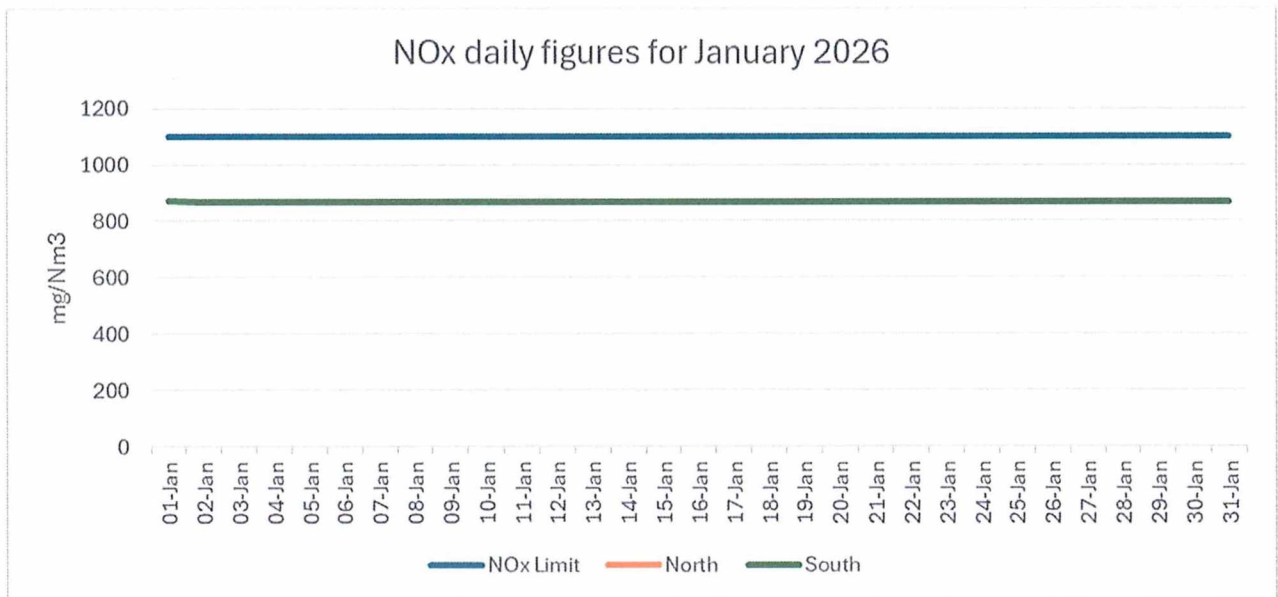
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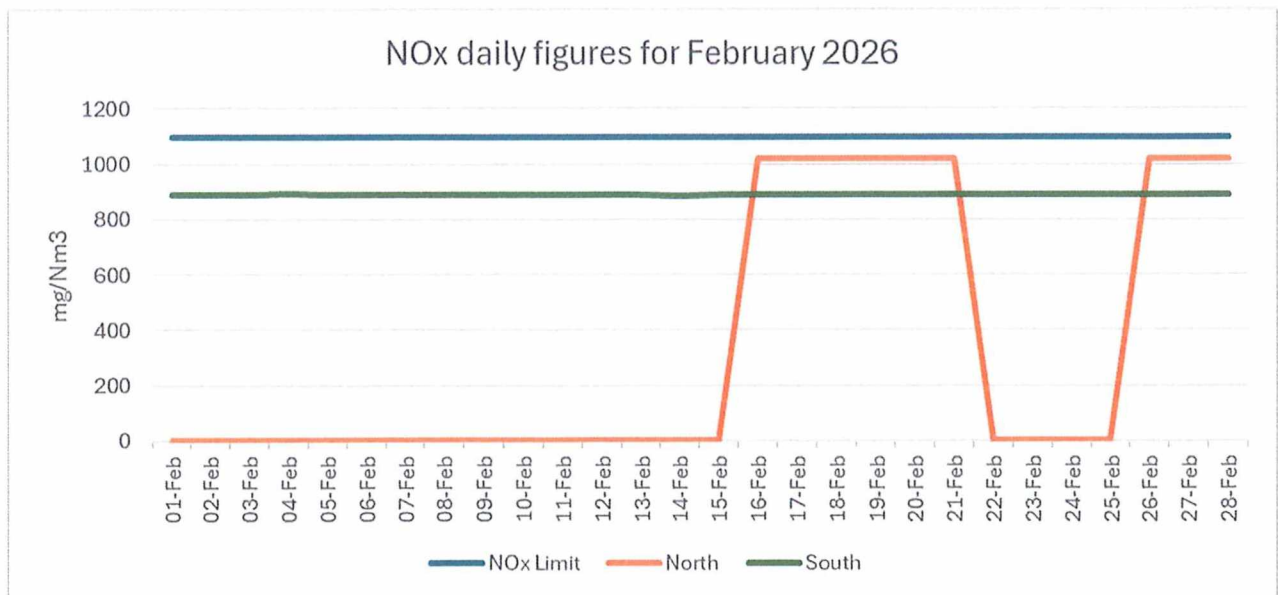
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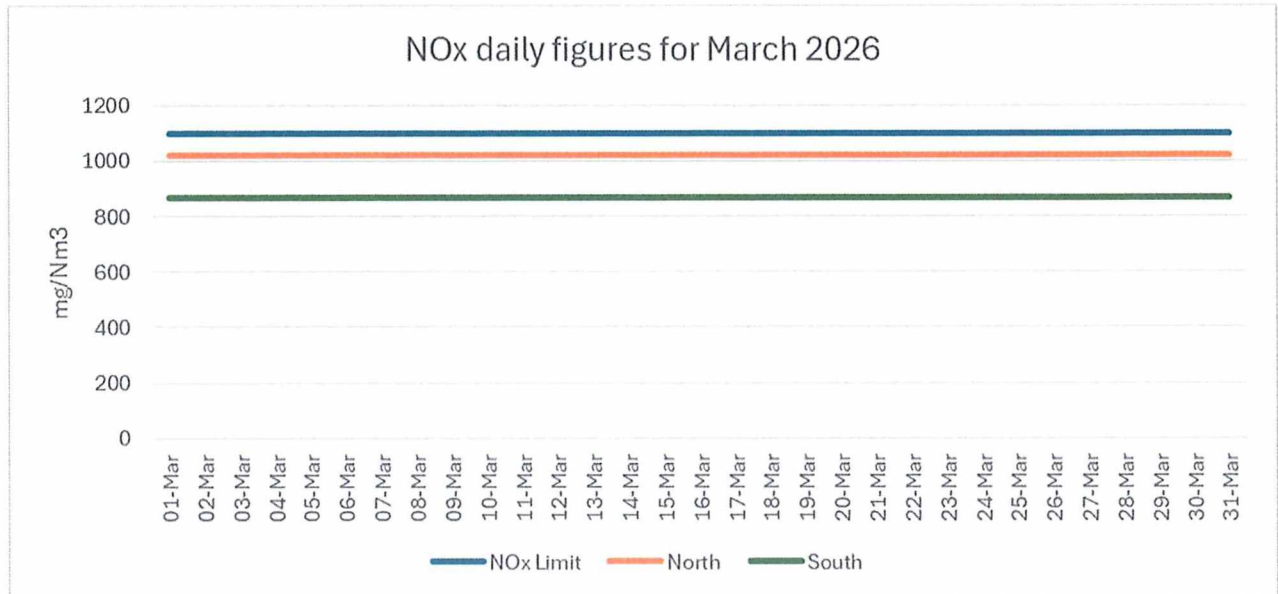
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## 2. Explanation of instances where MES were exceeded

All average exceedances are duly reported and detailed in the monthly emission reports submitted to your offices. For the reporting period, no NEMA Section 30 incidents were recorded, and therefore no notifications to the DFFE were required.

Month	Description of Section 30 incidents including the reference number	Root Cause (s)	Status Incident with DFFE (open or closed)	Remarks
April 2025				
May 2025				
June 2025				
July 2024				
August 2025				
September 2025				
October 2025				
November 2025				
December 2025				
January 2026				
February 2026				
March 2026				

## 3. Emission monitoring information

Table 3. Overview of dates of last conducted CEMS verification tests for PM, SO<sub>2</sub> and NO<sub>x</sub> (Please see attached Correlations Reports)

Activity	Test Completion Date	Validity
Parallel test for gas monitors	North Stack 10-12/12/2025	2 years
	South Stack 13/03/2025	

<b>Correlation Tests for Dust Curves</b>	North Stack 09-12/12/2025	2 years
	South Stack 13/03/2025	

#### 4. Compliance Audit Report(s):

The Air Quality Compliance Reporting Review and ISO 14001 Surveillance Audit were undertaken as part of compliance in the 2025/26 financial year, (see the attached Audit Reports).

#### 5. Major upgrades project

**Cooling Towers:** A replacement of cooling towers fills projects for the following cooling towers: 1,2 and 4 were completed in 2023 and cooling tower 3 was completed in 2024.

**High Frequency Transformers:** Installation on Units 1, 2, 3, 4, 5 and 6 is complete.

**ESP Upgrade:** Installation on Units 1, 2, 3, 4, 5 and 6 is complete.

#### 6. Fugitive dust management

All average exceedances have been reported and documented within the monthly fugitive dust emission reports and dust management plans submitted to your offices. However, Dust Fallout (DFO) reports were not available for the period December 2025 to March 2026 due to the absence of a valid contract. The contract was subsequently awarded in the following financial year (2026/2027), thereby enabling the continuation of reporting activities.

#### 7. Participation in priority area programmes

Kriel Power Station participates in the Nkangala District Municipality Implementation Task Team (ITT) for implementation of the Highveld Priority Area Quality Management Plan.

#### 8. Air Quality offset programmes

Air quality offsets are being implemented in accordance with the Organisation's approved Air Quality Offset Plans. The Power Station has initiated a stove replacement programme, under which residents of Thubelihle are encouraged to exchange their coal stoves for dual-function gas/electric stoves. The contract has been awarded, project kick-off has been completed, and implementation rollout is currently underway.

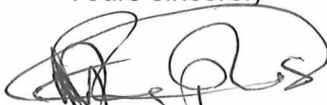
#### 9. General

Kriel Power Station submitted its annual report on the NAEIS system before the 31st of March 2026.

The rest of the information demonstrating compliance with the emission license conditions are supplied in the monthly emission reports sent to your office.

Hoping the above will meet your satisfaction.

Yours sincerely



Morongwe Raphasha  
**GENERAL MANAGER**  
**KRIEL POWER STATION**