

Ms Nompumelelo Simelane
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Date:
26 August 2025

Enquiries:
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Ref: NDM/AEL/MP312/11/07

Dear MS. Simelane

DUVHA POWER STATION'S ANNUAL EMISSIONS REPORT FOR FY 2024/25.

This serves as the annual report required in terms of Section 7.6 of the Duvha Power Station's Atmospheric Emission Licence as well as in terms of the reporting requirements listed in the Minimum Emission Standards. The emissions are for Eskom's 2024/25 financial year, which is from 1 April 2024 to 31 March 2025. Verified emissions of particulates as measured by installed CEMS and SO₂ and NO_x (as NO₂) as calculated, are also included.

Name, description and reference number of plant as specified in the AEL:

Name of facility	Eskom Holdings SOC Limited
Description of facility	Duvha Power Station
Reference number of plant	NDM/AEL/MP312/11/07

Emission Trends:

The emissions in the table below are that of the 2024/25 financial year.

Table 1. General oversight of emissions at Duvha Power Station 2024/25.

Power Station	Coal-fired emissions (tons/annum)	Fuel-oil emissions (tons/annum)		Total (tons/annum)
		FO 150	Catlight	
Duvha Power Station	PM: 2371.57	PM: 0.00	PM: 0.00	PM: 2371.57
	SO ₂ : 68 566.00	SO ₂ : 1155.35	SO ₂ : 214.67	SO ₂ : 69 936.02
	NO _x : 44 804.00	NO _x : 0.00	NO _x : 0.00	NO _x : 44 804.00



Figure 1. Monthly Particulate Emission in tons from Duvha Power Station 2024/2025.

Please note: Gaseous emissions are largely dependent on the power generated by the power station, and thus the amount of coal burnt.



Figure 2. Monthly SO₂ Emissions in tons from Duvha Power Station 2024/2025.



Figure 3. Monthly NO₂ Emissions in tons for Duvha Power Station 2024/2025.

All gaseous (SO₂ and NO_x) emissions tonnages figures reported on this annual emissions report and previous annual emissions reports are calculated figures.

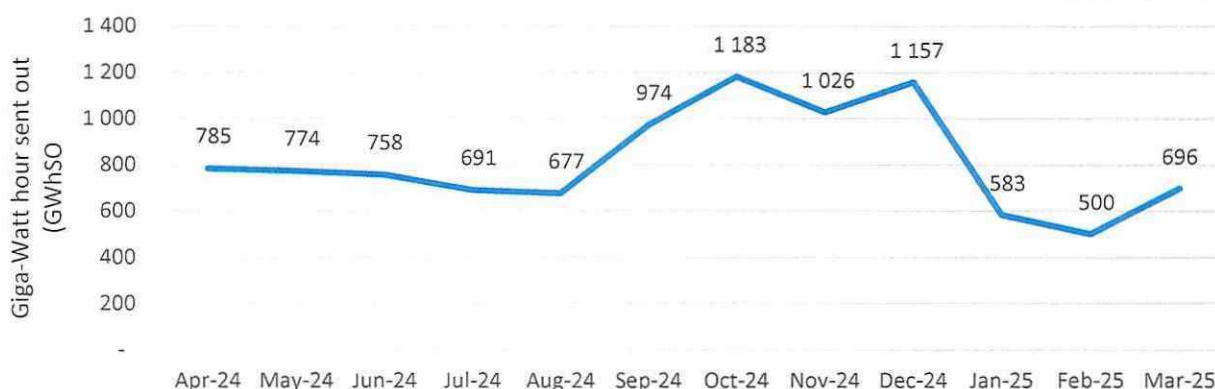


Figure 4. Monthly Energy sent out in GWh at Duvha Power Station 2024/25.

Figures showing compliance with the daily average emission limits of the respective pollutants have been presented to you in the monthly emission reports sent to your offices.

Monitoring data availability

Table 2. General oversight of monitoring data availability for Duvha Power Station 2024/25 in terms of the number of full hours per annum that valid results were obtained for the CEMS in question.

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
PM	99.63%	97.94%	Unit Offload	99.55%	99.80%	97.93%
SO ₂	96.80%	89.56%	Unit Offload	81.44%	87.42%	55%
NO _x	86.48%	90.98%	Unit Offload	94.43%	93.77%	97.37%

The reasons for the poor performance of the SO₂ monitors at unit 6 has been presented to you in the monthly emission reports sent to your office.

Compliance Audit Report(s):

An Environmental legal compliance audit to evaluate and verify compliance with the conditions of the air emissions license for the 2024/25 financial year was conducted on the 10th of June 2025. The audit report will be shared with your office as soon as it is made available to the station.

Major upgrades projects:

A project to install High Frequency Transformers (HFT's) on unit 4 and 6 which are currently using Electrostatic Precipitator (ESP) abatement equipment is at a phase where the Contract has been signed. The appointment of the supplier is in progress awaiting their safety file presentation. The safety file presentation is planned to be done by 12 September 2025.

Greenhouse gas emissions:

Greenhouse gas emissions are reported through the greenhouse gas reporting regulation process and as such are not included in this annual emissions report

Results of spot measurements or correlation tests:

Table 3. Overview of dates of last conducted CEMS verification tests for PM, SO₂ and NO_x

Stack/ Unit	PM (Correlation tests)	SO ₂ (Parallel tests)	NO _x (Parallel tests)
Unit 1	23 – 25 May 2024	29 June – 02 July 2025	29 June – 02 July 2025
Unit 2	10-14 October 2023	18-21 July 2023	18-21 July 2023
Unit 4	26 -30 May 2025	26-29 June 2025	26-29 June 2025
Unit 5	16-20 July 2024	02-05 July 2025	02-05 July 2025
Unit 6	01-06 November 2023	28 May-01 June-2025	28 May-01 June-2025

An explanation of all instances where the license requirements were exceeded:

The reasons of the emission license limit exceedances for 2024/25 financial year have been presented to you in the monthly emission reports sent to your office

An explanation of all daily instances of exceedances (including the grace periods) of the minimum emissions requirements are included on the monthly emissions reports submitted to your office.

NAEIS reporting:

Duvha Power Station submitted its annual report on the NAEIS system on the 22nd of May 2024

General

The rest of the information demonstrating compliance with the emission licence conditions is supplied in the monthly emission reports sent to your office

Hoping the above will meet your satisfaction

Supported by


M Mamoleka 2025/08/28
ENGINEERING MANAGER: DUVHA POWER STATION

Yours sincerely


L Chauke 2025/08/28
DUVHA POWER STATION: GENERAL MANAGER