



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Ref: MP/SSO-GSDM/20170419

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Ms Wrenelle Stander
Sasol Synfuels (Pty) Ltd
Secunda Synfuels Operations
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Secunda
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Dear Applicant,

**APPLICATION FOR POSTPONEMENT OF COMPLIANCE TIME-FRAMES RELATING TO THE
NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2004 MINIMUM EMISSION
STANDARDS FOR SASOL SECUNDA SYNFUELS OPERATIONS**

The above-mentioned application has reference.

Your application has been processed and the National Air Quality Officer has, with the concurrence of the Atmospheric Emission Licensing Authority, made a decision as follows:

S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			Pollutant	2015	2020	
Sub-Category 3.6: Synthetic Gas Production & Cleanup**	Phenosolvan	2015-2020	TVOCs	250	130	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 58000 mg/Nm³ during this period.
Sub-Category 8.1: Thermal Treatment of General & Hazardous Waste*	Biosludge Incinerators	2015-2020	PM	25	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 400 mg/Nm³ during this period.



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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			Pollutant	2015	2020	
			SO ₂	50	50	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 210 mg/Nm³ during this period.
			CO	75	50	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 4310 mg/Nm³ during this period.
			NO _x expressed as NO ₂	200	200	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 630 mg/Nm³ during this period.
			Sum of Pb, As, Sb, Cr, Co, Cu, Mn, Ni and V	0.5	0.5	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 2.6 mg/Nm³ during this period.
			Cd & Tl	0.05	0.05	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 0.12 mg/Nm³ during this period.
			Hg	0.05	0.05	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 1 mg/Nm³ during this period.
			NH ₃	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 52 mg/Nm³ during this period.
			HF	1	1	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 20 mg/Nm³ during this period.



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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			Pollutant	2015	2020	
			HCl	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 23 mg/Nm³ during this period.
			TOC	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 1500 mg/Nm³ during this period.
			Dioxin & Furan	0.1	0.1	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 0.3 mg/Nm³ during this period.
Sub-Category 8.1: Thermal Treatment of General & Hazardous Waste*	HOW Incinerators	2015-2020	PM	25	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 900 mg/Nm³ during this period.
			SO ₂	50	50	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 400 mg/Nm³ during this period.
			CO	75	50	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 1300 mg/Nm³ during this period.
			NO _x expressed as NO ₂	200	200	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 3800 mg/Nm³ during this period.
			Sum of Pb, As, Sb, Cr, Co, Cu, Mn, Ni and V	0.5	0.5	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 21 mg/Nm³ during this period.



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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			Pollutant	2015	2020	
			Cd & Tl	0.05	0.05	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 0.12 mg/Nm³ during this period.
			Hg	0.05	0.05	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 0.27 mg/Nm³ during this period.
			NH ₃	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 12 mg/Nm³ during this period.
			HF	1	1	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 3 mg/Nm³ during this period.
			HCl	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 55 mg/Nm³ during this period.
			TOC	10	10	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 38 mg/Nm³ during this period.
			Dioxin & Furan	0.1	0.1	Postponement of compliance with the existing plant standards is granted from 01 April 2018 to 31 March 2020 with a limit of 4.2 mg/Nm³ during this period.
			Exit gas temperatures must be maintained below 200°C			Exit gas temperatures must be less than 400°C from 01 April 2018 to 31 March 2020



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*Minimum emission standards are expressed on a daily average basis, under normal conditions of 273 K, 101.3 KPa, 10% oxygen and dry gas.

**Minimum emission standards are expressed on a daily average basis, under normal conditions of 273 K and 101.3 KPa.

The postponement period granted is 2 years. This is to comply with the legal requirements in terms of the Air Quality Act that a postponement period should not to exceed five years as three years has already elapsed since the previous decision was granted in 2015.

This decision will have to be reflected in your Atmospheric Emission License to be of force and effect. Therefore, you must liaise with the relevant Atmospheric Emission Licensing Authority in this regard as soon as possible so that the required amendments, variations and additions to your Atmospheric Emission License can be effected. You are also required to submit your emission report and the compliance roadmap progress update on a quarterly basis to both the Licensing Authority and the National Air Quality Officer.

Thank you for the co-operation in matters regarding your application.

Yours sincerely

Dr Thuli N. Khumalo

Department of Environmental Affairs

Designation: National Air Quality Officer

Date: 27/03/2018