



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X447, Pretoria, 0001• Environment House, 473 Steve Biko Road, Pretoria, 0002. Tel: +27 12 399 9000, Fax: +27 86 625 1042

Ref: FS/SAS-SB/20140328

Enquiries: Mr V. Senene

Tel: 012 399 9217 Fax: 012 359 3619 Email: VSenene@environment.gov.za

Attention: Ms Wrenelle Stander
Sasol Limited
P.O. Box 234
Sasolburg
1947

Dear Applicant,

RE: APPLICATION FOR POSTPONEMENT OF COMPLIANCE TIME-FRAMES WITH NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT 39 OF 2004 S21 MINIMUM EMISSION STANDARDS FOR – SASOL INFRACHEM

The above-mentioned application has reference.

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

S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			Pollutant	2015	2020	
Subcategory 1.1: Solid Fuel Combustion Installations*	Steam Station 1	2015 – 2020	PM	100	50	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2020 with a limit of 165 mg/Nm ³ during this period.
			SO ₂	3500	500	Postponement of compliance with the minimum emission standards for new plant is granted from 01 April 2020 to 31 March 2025 with a limit of 2000 mg/Nm ³ during this period. The requirement to comply with minimum emission standards for existing plant remains in place.
			NO _x express	1100	750	Postponement of compliance with the minimum emission standards for

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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			ed as NO ₂			existing plant is granted from 01 April 2015 to 31 March 2020 with a limit of 1450 mg/Nm ³ during this period.
Subcategory 1.1: Solid Fuel Combustion Installations*	Steam Station 2	2015 – 2020	PM	100	50	Postponement of compliance with the minimum emission standards for new plant is declined due to changes in the ambient air quality standard for PM ₁₀ . The requirement to comply with minimum emission standards for existing plant remains in place.
			SO ₂	3500	500	Postponement of compliance with the minimum emission standards for new plant is granted from 01 April 2020 to 31 March 2025 with a limit of 2000 mg/Nm ³ during this period. The requirement to comply with minimum emission standards for existing plant remains in place.
			NO _x expressed as NO ₂	1100	750	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2020 with a limit of 1250 mg/Nm ³ during this period.
Sub-category 8.1: Thermal Treatment of Hazardous & General Waste	B6930 (High Sulphur Pitch Incinerator)	2015-2020	PM	25	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 50 mg/Nm ³ during this period.
			SO ₂	50	50	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 1800 mg/Nm ³ during this period.
			NO _x expressed as NO ₂	200	200	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 750 mg/Nm ³ during this period.
			Sum of Pb, As, Sb, Cr, Co, Cu, Mn, Ni and V.	0.5	0.5	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 1 mg/Nm ³ during this period.
			TOC	10	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April

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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
						2015 to 31 March 2018 with a limit of 50 mg/Nm ³ during this period.
Sub-category 8.1: Thermal Treatment of Hazardous & General Waste	B6993 (Spent Caustic Incinerator)	2015-2020	PM	25	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 180 mg/Nm ³ during this period.
			CO	75	50	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 1050 mg/Nm ³ during this period.
			NO _x expressed as NO ₂	200	200	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 420 mg/Nm ³ during this period.
			HCl	10	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 15 mg/Nm ³ during this period.
			HF	1	1	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 1.2 mg/Nm ³ during this period.
			Sum of Pb, As, Sb, Cr, Co, Cu, Mn, Ni and V.	0.5	0.5	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 22 mg/Nm ³ during this period.
Sub-category 8.1: Thermal Treatment of Hazardous & General Waste	B6990 (Heavy End B Incinerator)	2015-2020	PM	25	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 for the facility to use alternative emission monitoring methods (opacity & camera surveillance). The facility is required to undertake emission measurements and report quarterly until 31 March 2018.
			NO _x expressed as NO ₂	200	200	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 360 mg/Nm ³ during this period.

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S21 Category	Appliance	Postponement Sought	Emission Standards			
			Minimum Emission Standards (mg/Nm ³)			Decision
			HF	1	1	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 1.5 mg/Nm ³ during this period.
			Sum of Pb, As, Sb, Cr, Co, Cu, Mn, Ni and V.	0.5	0.5	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 for the facility to use alternative emission monitoring methods (opacity & camera surveillance). The facility is required to undertake emission measurements and report by 31 March 2018.
			Hg	0.05	0.05	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 for the facility to use alternative emission monitoring methods (feed stream analysis). The facility is required to undertake emission measurements and report by 31 March 2018.
			Cd & Tl	0.05	0.05	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 for the facility to use alternative emission monitoring methods (opacity & camera surveillance). The facility is required to undertake emission measurements and report quarterly until 31 March 2018.
			PCDD/P CDF**	0.1	0.1	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 for the facility to use alternative emission monitoring methods (feed stream analysis). The facility is required to undertake emission measurements and report by 31 March 2018.
			TOC	10	10	Postponement of compliance with the minimum emission standards for existing plant is granted from 01 April 2015 to 31 March 2018 with a limit of 25 mg/Nm ³ during this period.

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S21 Category	Appliance	Postponement Sought	Emission Standards	
			Minimum Emission Standards (mg/Nm ³)	Decision
			Exit gas temperatures must be maintained below 200°C	Exit gas temperatures must be between 500°C and 1000°C from 01 April 2015 to 31 March 2018.

* All 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 expressed as ng I-TEQ /Nm³ under normal conditions of 273 K, 101.3 KPa, 10% oxygen, dry gas and on a daily average basis.

This decision will have to be reflected in your Atmospheric Emission License to be of force and effect. You are required to liaise with the relevant Atmospheric Emission Licensing Authority in this regard as soon as is reasonably possible so that the required amendments, variations and additions to your Atmospheric Emission License can be effected.

In addition, you are to implement an offset programme to reduce PM and SO₂ pollution in the ambient/receiving environment. A definite offset implementation plan is expected from Saol by 30 June 2015.

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

Yours sincerely,



Dr Thuli N. Mdluli

Department of Environmental Affairs

Designation: National Air Quality Officer

Date: 23/02/2015