



04 April 2019  
526577/belr

## Attention: Interested and Affected Party

Dear Interested and Affected Party

### FINAL MOTIVATION AND ATMOSPHERIC IMPACT REPORT

#### Applications for postponement of certain requirements of the National Environmental Management: Air Quality Act - Minimum Emission Standards, for Sasol South Africa Limited operations in Sasolburg

Sasol South Africa Limited (Sasol) is an international integrated energy and chemical company which owns and operates facilities at Sasolburg in the Free State. Sasol is required to comply with Minimum Emission Standards (MES), published in terms of the National Environmental Management: Air Quality Act (Act No 39 of 2004). Sasol has previously applied and been granted postponement. However, new, more stringent standards will come into effect in April 2020 and Sasol will be challenged to meet the 2020 new plant standards in certain instances.

Sasol has therefore applied for postponements from the compliance timeframes and submitted all requisite documentation to the National Air Quality Officer, Local Air quality officer and provincial authority on the 29 March 2019.

A summary of Sasolburg's postponement request is provided in Table 1 and 2 on the following page.

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**Table 1: Summary of Sasolburg's Steam Station request**

Emission	New plant MES	Alternative Emission Limit Requested <sup>1</sup>		Compliance averaging period
		Steam Station 1	Steam Station 2	
		<i>The limits requested are the same as the limits granted in 2015</i>		
All values specified at 10% O <sub>2</sub> 273 K and 101.3 kPa, mg/Nm <sup>3</sup>				
NO <sub>x</sub>	750	1 450	1250	Daily average
PM	50	165	100	Daily average

**Table 2: Summary of Sasolburg's Thermal Oxidation Plant request**

Emission	New plant MES	Incinerator B6930	Incinerator B6993	Incinerator B6990	Compliance averaging period
		Emission limits as granted as a result of the 2017 postponement application are proposed as alternative emissions limits for this application			
All values specified at 10% O <sub>2</sub> , 273 K and 101.3 kPa, mg/Nm <sup>3</sup> unless otherwise specified					
PM	10	100	300	600	Daily average
SO <sub>2</sub>	50	3 600	260	1 050	Daily average
CO	50	NA	1 110	NA	Daily average
NO <sub>x</sub>	200	800	420	570	Daily average
Pb+As+Sb+Cr+Co+Cu+Mn+Ni+V	0.5	6	20	60	Hourly average
Cd+Tl	0.05	NA	NA	NA	Hourly average
Hg	0.05	NA	NA	NA	Hourly average
NH <sub>3</sub>	10	NA	NA	NA	Daily average
HF	1	NA	NA	3.3	Daily average
HCl	10	NA	NA	NA	Daily average
TOC	10	15	20	15	Daily average
Dioxin & Furan	0.1	NA	NA	NA	Hourly average
[ng I-TEQ/Nm <sup>3</sup> , dry at 10% O <sub>2</sub> ]					
Flue gas Temperature	200 °C	NA	NA	Below 1 000 °C	Daily average

<sup>1</sup> Due to the installation of new abatement technology Sasol will be updating its emission limit request to lower limits towards the end of 2019 once the actual operating limits of the facility has been confirmed with the new abatement technology installed.

This application is supported by Part 2 of the MES. In accordance with the requirements for postponements contained in the MES, Sasol has submitted an atmospheric impact report (AIR) together with the motivation report containing detailed justification and reasons, both of which have been subjected to public participation. Airshed Planning Professionals (Pty) Ltd (Airshed) prepared the AIR while SRK Consulting (South Africa) (Pty) Ltd (SRK) undertook the public participation process and assisted Sasol in compiling the motivation report.

The Final Motivation including the Atmospheric Impact Report and Public Participation Report has been uploaded to SRK's website at:

<https://www.srk.co.za/en/za-sasol-2019-mes-postponement-applications>

Should you wish make any additional comments please liaise directly with the National Air Quality Officer (NAQO), Please also forward a copy of the correspondence to SRK. Kindly do so before 6 May 2019. Contact details are listed below:

National Air Quality Officer Dr. Thuli Khumalo Department of Environmental Affairs (DEA) Address: Environment house, 473 Steve Biko road, Pretoria Email: <a href="mailto:TKhumalo@environment.gov.za">TKhumalo@environment.gov.za</a> Tel: 012 399 9787	SRK Consulting Ms. Romi Bellusci Email: <a href="mailto:Belr@srk.co.za">Belr@srk.co.za</a> Tel: 0312791213
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Should you have any queries, please do not hesitate to contact **Philippa Burmeister** or **Romi Bellusci** at SRK, **Tel:** +27(0)31 279 1200 **Fax:** +27(0)31 279 1204, **e-mail:** [pburmeister@srk.co.za](mailto:pburmeister@srk.co.za)/ [rbellusci@srk.co.za](mailto:rbellusci@srk.co.za)  
Yours faithfully,

**SRK Consulting (South Africa) (Pty) Ltd**

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