

Fezile Dabl District Municipality John Vorster Road P.O Box to Sasolburg, 1947

> Tel: +27 [16] 970 8600 Fax: +27 [16] 970 8733

Aiming above the horizon

Enquiries: Mr. Chakane D. Sibaya
Tel: 016 970 8840 Fax: 016 9731582 Email:chakanes@feziledabi.gov.za

Atmospheric Emissions Licence Holder: SASOL South Africa Limited, through its Sasolburg Operations' Wax and Solvents

Atmospheric Emissions Licence Reference Number: FDDM-MET-2013-20-R1

ATMOSPHERIC EMISSIONS LICENCE ISSUED IN TERMS OF SECTION 40 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004, (ACT NO. 39 OF 2004)

This Atmospheric Emissions Licence issued to SASOL South Africa Limited., through its Sasolburg Operations' Wax and Solvents plants, in terms of section 40(1)(a) (as read with Section 47) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) ("the Act"), in respect of following Listed Activities:

- Subcategory 2.1: Combustion Installations
- Subcategory 6.1: The manufacturing or use in manufacturing of hydrocarbons not specified elsewhere
- Subcategory 7.2: The production, bulk handling and or use in manufacturing of hydrofluoric, hydrochloric, nitric and sulphuric acid (including oleum) in concentration exceeding 10%.

The Atmospheric Emissions Licence has been issued on the basis of information provided in SASOL South Africa (PTY) Ltd., through its Sasolburg Operations' Wax and Solvents' renewal application and information that became available during processing of the application.

The Almospheric Emissions Licence is valid until 31 March 2024.

The Atmospheric Emissions Licence is issued subject to the conditions and requirements set out below which form part of the Atmospheric Emissions Licence and which are binding on the holder of the Atmospheric Emissions Licence, hereinafter referred to as the ("the licence holder").

1. ATMOSPHERIC EMISSIONS LICENCE ADMINISTRATION

Name of the Licensing Authority	Fezile Dabi District Municipality	
Almospheric Emissions Licence Number	FDDM-MET-2013-20-R1	
Atmospheric Emissions Licence Type	Final	
Review Date, not later than	31 March 2024	

Air Quality Officer Signature:

...... AEL No.: FDDM-MET-2013-20-R1 Date: 1 April 2019

2. ATMOSPHERIC EMISSIONS LICENCE HOLDER DETAILS

Enterprise Name	Sasol South Africa Limited through its Wax and Solvents facilities		
Trading as	N/a		
Enterprise Registration Number (Registration Numbers if Joint Venture)	1968/013914/06		
Registered Address	50 Katherine Street		
Postal Address	PO Box 1 Sasolburg 1947		
Telephone Number (General)	016 960 1111		
Industry Sector	Petrochemical industry		
Name of Responsible Officer	Rightwell Laxa		
Name of Emission Control Officer	Ristoff van Zyl		
Telephone Number	016 920 4913		
Cell Phone Number	083 632 5975		
Fax Number	011 219 2438		
Email Address	ristoff.vanzyl@sasol.com		
After Hours Contact Details	As per cell nr above		
Land Use Zoning as per Town Planning Scheme	Industrial		

3. SITUATION AND EXTENT OF PLANT

3.1 LOCATION AND EXTENT OF PLANT

Physical Address of the Premises	Sasol One Site
	Klasie Havenga Street
	Sasolburg
	1947
Description of Site (Erf)	Subdivision 6 of 2 of Driefontein No- 2 and certain subdivisions of the farm Saltberry Plain, Roseberry Plain Flerewarde and Antrim and subdivision 5 of 4 of Montrose, District of Sasolburg, Free State.
Coordinates of Approximate Centre of Operations	Sasol 1 Latitude: S 26.82678 Longitude: E 27.84206
Extent	15.51 km²

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Elevation Above Mean Sea Level (m)	1 498m
Province	Free State
District Municipality	Fezile Dabi District Municipality
Local Municipality	Metsimaholo Local Municipality
Designated Priority Area	Vaal Triangle Airshed Priority Area (VTAPA)

3.2 Description of Surrounding Land Use within 5 km radius

Within a 5 km radius from the Sasol One facility is the town of Sasolburg, a residential area as well as a township called Zamdela. Other land use includes heavy as well as light industries. Sasol's water treatment facility and waste areas also falls within this 5 km radius.

Attach map(s), satellite image(s) or aerial photograph(s) detailing location of premises in relation to surrounding community.

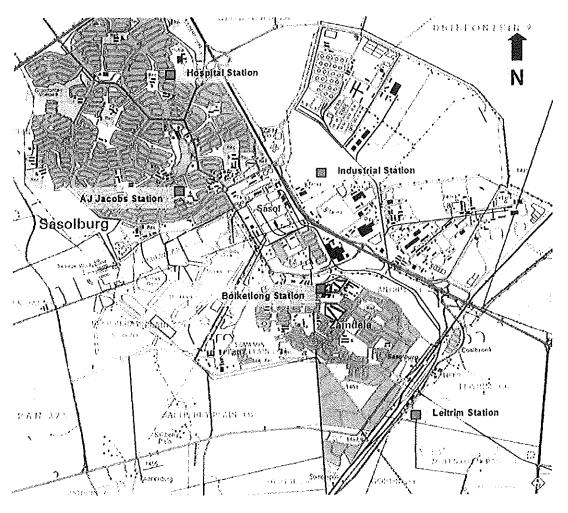


Figure 1: Aerial photograph of the area around the SASOL Wax facility

4. GENERAL CONDITIONS

4.1. Process and ownership changes

The holder of the atmospheric emissions licence must ensure that all unit processes and apparatus used for the purpose of undertaking the listed activity in question, and all appliances and mitigation measures for preventing or reducing atmospheric emissions, are at all times properly maintained and operated.

Building, plant or site works related to the listed activity or activities used by the licence holder shall be extended, altered or added subject to the applicable requirements for an environmental authorisation from the competent authority as per the provisions of the National Environmental Management Act 1998 (Act No. 107 of 1998) (NEMA), as amended read with the Environmental Impact Assessment Regulations thereunder. The investigation, assessment and communication of potential impact of such an activity must follow the required assessment procedure as prescribed in the Environmental Impact Assessment Regulations published in terms of section 24(5) of the National Environmental Management Act.

Any changes in processes or production increases which may have an impact on atmospheric emissions, by the licence holder, will require prior approval by the licensing authority.

Any changes to the type and quantities of input materials and products, or to production equipment and treatment facilities which may have an impact on atmospheric emissions, will require prior written approval by the licensing authority.

The licence holder must, in writing, inform the licensing authority of any change of ownership of the enterprise. The licensing authority must be informed within 30 (thirty) days after the change of ownership.

The licence holder must immediately on cessation or decommissioning of the listed activity, in writing, inform the licensing authority.

4.2. General duty of care

The holder of the licence must, when undertaking the listed activity, adhere to the duty of care obligations as set out in section 28 of the NEMA.

The licence holder must undertake the necessary measures to minimize or contain the atmospheric emissions. The measures are set out in section 28(3) of the NEMA.

Failure to comply with the above condition is a breach of the duty of care, and the licence holder will be subject to the sanctions set out in section 28 of the NEMA.

4.3. Sampling and/or analysis requirements

Measurement, calculation and/or sampling and analysis shall be carried out in accordance with any nationally or internationally acceptable standard. A different method may be acceptable to the licensing authority as long as it has been consulted, been provided with documentation necessary in confirming the equivalent test reliability, quality and equivalence of analyses and has agreed to such method.

The licence holder is responsible for quality assurance of methods and performance. Where the holder of the licence uses external laboratories for sampling or analysis, accredited laboratories shall be used.

4.4. General requirements for licence holder

The licence holder is responsible for ensuring compliance with the conditions of this licence by any person acting on his, her or its behalf, including but not limited to, an employee, agent, sub-contractor or person rendering a service to the holder of the licence.

The licence does not relieve the licence holder to comply with any other statutory requirements that may be applicable to the carrying on of the listed activity.

A copy of the licence must be kept at the premises where the listed activity is undertaken. The licence must be made available to the environmental management inspector representing the licensing authority who requests to see it.

The licence holder must inform, in writing, the licensing authority of any change to its details including the name of the emissions control officer, postal address and/or telephonic details.

4.5. Statutory obligations

The licence holder must comply with the obligations as set out in Chapter 5 of the Act.

4.6. Annual payment of atmospheric emissions licence processing fee

The licence holder must, for the period of validity of the licence, pay the processing fee annually to the licensing authority. Alternatively the licence holder can pay the emissions licence processing fee once off.

4.7 Variation of Atmospheric Emissions Licence

The Air Quality Officer reserves the right to by notice, in writing, set and adjust the emissions limit value or standards after consultation with the holder.

4.8 Non- Compliance with Conditions

If the holder fails to comply with the conditions or requirements of this Atmospheric Emissions License, the Air Quality Officer may by notice in writing call upon such a holder to comply with such conditions or requirement within a reasonable period specified in the notice, and in the event of failure on the part of such holder to comply with the said conditions or requirement within the period so specified, the Air Quality Officer may cancel the Atmospheric Emissions License or suspend the operation thereof for such period as he or she may deem fit.

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5. NATURE OF PROCESS

5.1. PROCESS DESCRIPTION

Wax and Solvents: Wax Workup and Solvents, Wax Synthesis and Wax Solidification

Sasol Wax operates a catalyst preparation plant as well as three production units called the three Sasol Slurry Bed Reactors (SSBR). In the catalyst preparation plant metals are dissolved in nitric acid and then precipitated after which the catalyst is dried and activated, where after it is ready for use. NOx is emitted at one and particulates are emitted at three stacks in the area.

The three SSBRs are fed with the active catalyst and synthesis gas to produce hydrocarbons. The hydrocarbons are worked up via hydrogenation, distillation and oxidation to liquid final products. The products are blended, solidified and packed. Organics and combustion gasses (CO₂, CO, H₂O, NO and NO₂) are emitted from various heaters within the process. Hydrocarbons from vents are sent to the factory main flare system where the organics are converted to CO₂, CO and H₂O before being emitted to atmosphere

Solvents

All vents and hydrocarbon emissions from Solvents are sent to the flare with the exception of a few units which vent hydrocarbons to atmosphere which has been quantified.

Methanol High Purity

Gas and hydrogen is reacted in a synthesis reactor at Waxes where crude methanol is produced. The distillation of the crude methanol into high purity methanol takes place at Solvents.

Methanol Technical Grade

The methanol extracted from the reaction water (Chemical water recovery plant) is purified to methanol technical grade through distillation.

Chemical water recovery

Chemicals are recovered from the reaction water from the Sasol Waxes synthesis processes, as well as purge streams from Butanol and by-products from HP methanol, TG methanol, MIBK and FTDR. Recovery of chemicals takes place through a process of atmospheric distillation and degassing.

Methyl isobutyl ketone (MIBK 1 and 2)

Acetone is converted in the presence of hydrogen to MIBK. The reactor product is worked up and purified through a series of distillation columns.

Solvents blending plant

Raw material from Secunda, Sasolburg and outside suppliers, transported via road tankers to the blending plant, are stored in on-site storage tanks. The raw products, mixed according to customers specifications, are supplied to the customer via road tankers or drums.

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Heavy alcohol plant

Raw material from Secunda (Sabutol bottoms) is distilled through a single step distillation column into 2 final products, i.e. pentylol and hexylol.

Solvents Mining Chemicals Plant

Raw material from Secunda, Sasolburg and outside suppliers, transported via road tankers to the blending plant, are stored in on-site storage tanks. The raw products, mixed according to customers specifications, are supplied to the customer via road tankers or drums.

5.2. LISTED ACTIVITY

Listed Activities, as published in terms of Section 21 of the AQA, authorised to be conducted at the premises by the licence holder:

Category of Listed Activity	Sub-category of the Listed Activity	Listed Activity Name	Description of the Listed Activity	
2	2.1	Petroleum Industry	Combustion Installations	
6	6.1	Organic Chemicals Industry	The manufacturing or use in manufacturing of hydrocarbons not specified elsewhere	
		Catalyst manufacturing		
7	7.2	Inorganic Chemicals Industry	The primary production of nitric acid.	

5.3. UNIT PROCESS OR PROCESSES

List of all unit processes associated with the listed activities to be undertaken at the site of work.

Function of Unit Process	Batch or Continuous Process	
Wax Workup and Solvents		
All plants		
Off-loading raw material to holding tank	Batch	
Loading final product	Batch	
Holding product	Batch	
MIBK 1 and 2		
Holding raw materials	Continuous	
Compression Preparation of raw material		
pressure Reaction Production of raw product		
Preparation of vapour (H2) emissions to flare	Continuous	
	All plants Off-loading raw material to holding tank Loading final product Holding product MIBK 1 and 2 Holding raw materials Preparation of raw material Production of raw product Preparation of vapour (H2)	

Distillation	Fractionation of product to desired spec.	Continuous
Prover tanks	Stores MIBK while being analysed before being pumped to final storage tank	Batch
Catalyst Loading Facilities	Loading and washing of catalyst for D551 A&B	Batch
	HP Methanol	
Synthesis	Converting gas and hydrogen to crude methanol	Continuous
Raw crude methanol tank	Holding raw materials	Continuous
Prover product tanks	Holding product	Batch
Atmospheric distillation	Distill methanol from crude	Continuous
Caustic dozing	Corrosion control and neutralization of acids	Continuous
	Methanol TG	
Atmospheric distillation	Distill methanol in reaction water to Technical grade purity	Continuous
Prover tanks	Storage of Methanol TG	Continuous
	E1204	
Prover tanks	Holding product	
Atmospheric distillation	Distill Pentylol and Hexylol from Sabutol Bottoms	Continuous
(Chemical Recovery (S500) Alcohol distill	ation
Degassing	Dissolved gases are removed from chemical water	Continuous
Feed storage	Reaction water Storage to E501	Continuous
Atmospheric distillation Removal of water and other light components from chemical water		Continuous
Scrubbing	Vapours are scrubbed of acids	Continuous
	Blending plant	
Raw material	Feed for blends	Batch
Blending tanks	To blend formulations according to customer requirements	Batch
Storage	Final Products	Batch
	Mining Chemicals plant	
Raw material	Feed for blends	Batch
Blending tanks	To blend formulations according to customer requirements	Batch
Storage	Final Products	Batch

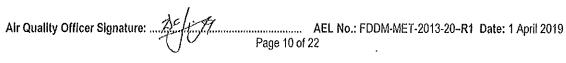


	Wax Workup, Synthesis and Solidifica	tion	
Reactors	Production of hydrocarbons	Continuous	
Distillation column	Separation of hydrocarbons	Continuous	
Packaging	Solidification of wax to get required products	Continuous	
Bagging	Packaging of products	Continuous	
Mixing and blending	Production of catalyst	Batch	
Hoppers	Storage of sodium carbonate	Batch	
	Wax Catalyst preparation		
Dissolving reactors	To produce a metal solution	Batch	
Precipitation reactors	To precipitate the catalyst slurry from precursor solutions	Batch	
Calcination	To strengthen the catalyst particles	Continuous	
Driers	To dry the catalyst to the correct moisture content	Continuous	
Evaporators To concentrate the by-product solution from the precipitation area		Continuous	
Crystallisers	To crystallise a salt slurry solution	Continuous	
Drier	To dry the salt crystals	Continuous	
Storage tanks	Storage for nitric acid, potassium silicate, and caustic soda.	Batch	

5.4. HOURS OF OPERATIONS

Solvents Unit Process / Plant	Operating Hours (e.g. 07h00 – 17h00)	No. Days Operation per Year	
	Wax and Solvents: Solvents – All p	plants	
Off-loading facility	When required	365	
Loading Facilities	When required	365	
Final product tanks	When required	365	
	MIBK 1 and 2		
Raw material tank	24 hours	340	
Compression	24 hours	340	
High pressure Reaction	24 hours	340	
Refrigeration Unit	24 hours	340	
Distillation	24 hours	340	
Catalyst Loading Facilities	07h00-17h00	12	

Raw material tank	24 hours	340
	HP Methar	
Raw crude methanol tank	24 hours	340
Final product tanks	24 hours	365
Atmospheric distillation	24 hours	340
Caustic dozing	24 hours	340
	Methanol i	rg
Atmospheric column E1102	24 hours	180
Distillation column E314	24 hours	180
Prover tanks	24 hours	365
	E1204	
Prover tanks	24 hours	365
Atmospheric distillation column	24 hours	365
Che	emical Recovery (S500)	Alcohol distillation
Degassing drum F505	24 hours	365
Feed tank F519	24 hours	365
Distillation columns E501 and E502	24 hours	365
Scrubber unit (B1102)	24 hours	365
	Mining Chemi	cals
Blending tanks	Blending tanks	Batch
	Blending pla	ant
Blending tanks	Blending tanks	Batch
Wax Wor	kup, Synthesis and Soli	dification Production
Reactors	24 hours	365
Distillation column	24 hours	365
Packaging	24 hours	365
Bagging	24 hours	365
Mixing and blending	24 hours	365
Storage tanks and hoppers	24 hours	365
	Wax Catalyst prep	aration
Dissolving area	24 hours	365
Precipitation area	24 hours	365
Impregnation area	24 hours	365
SBR drying area	24 hours	365
NOx recovery	24 hours	365
Salt plant	24 hours	365



5.5. GRAPHICAL PROCESS INFORMATION

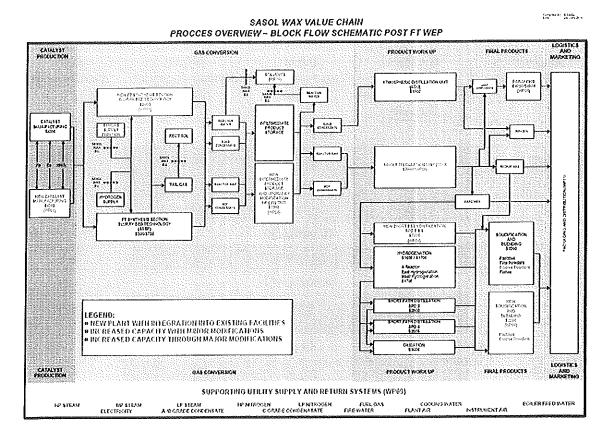


Figure 2: Wax production process flow diagram

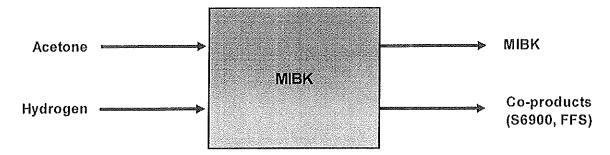


Figure 3: Solvents process overview

6. RAW MATERIALS AND PRODUCTS

6.1. Raw materials used

Solvents Raw Material Type	Maximum Permitted Consumption Rate (Volume)	Design Consumption Rate (Volume)	Actual Consumption Rate (Volume)	Units (quantity/period)
		MIBK 1 and 2		
Hydrogen				kNm³/a
Acetone				m³/a
Catalyst				l/a
		HP Methanol		
Crude methanol				m³/a
		Methanol TG		
Crude methanol E1102				m³/a
		E1204		
Sabutol feed				m³/a
	Wax Worku	ıp, Synthesis and Sol	dification	
IP related information				
	Wa	ax Catalyst preparatio	n	
IP related information				

6.2. PRODUCTION RATES

Solvents Product Name	Maximum Production Capacity Permitted (Volume)	Design Production Capacity (Volume)	Actual Production Capacity (Volume)	Units (quantity/period)
	Wa	x and Solvents: Solve	ents	
MIBK 1				m3/a
MIBK 2				m3/a
Methanol				m3/a
Methanol TG				m3/a
E1204 – Pentylol				m3/a
E1204- Hexylol				m3/a
	Wax Work	up, Synthesis and Sol	idification	
Waksol			Varying depending on demand	ton/yr

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Medium Wax		Varying depending on demand	ton/yr
Hard Wax		Varying depending on demand	ton/yr
	Wax Catalyst preparation	on	
Catalyst		Varying depending on demand	<i>V</i> a

By-Product Name	Maximum Production Capacity Permitted (Volume)	Design Production Capacity (Volume)	Actual Production Capacity (Volume)	Units (quantity/period)
		MIBK 1 and 2		
Spent catalyst				l/year
		E1204		
E501 Bottoms				m3/hr
	W	/ax Catalyst preparati	on	
Sodium nitrate				tpa
Nitric Acid	IP re	elated information		

6.3. MATERIALS USED IN ENERGY SOURCES

Wax and Workup : Solvents Energy Source	Sulphur Content of Fuel (%) (if applicable)	Ash Content of Fuel (%) (if applicable)	Maximum Permitted Consumption Rate (Volume)	Design Consumpti on Rate (Volume)	Actual Consumption Rate (Volume)	Units (quantity/perio d)
Steam from Coal	All electricity and s	steam is include w	ithin the Sasolbur	g Operations' G	as Loop and Utilitie	es AEL
Electricity						



SOURCES OF ATMOSPHERIC EMISSIONS 6,4

6.4.1. Point source parameters

Actual Gas Exit Velocity (m/s)	2.8	2.8	2.63	3.73	0.64	26	0.7	2.02	0.44	1.00	£.
	0	0	7.	(O	2	0				4	
Actual Gas Volumetric Flow (m³/hr)	3930	4670	3050.7	2186	3532	4780	50.7	57.1	12.4	452.4	36.8
Actual Gas Exit Temperature (°C)	188	301	260	120	35	125	35	176	24	59	27
Diameter at Stack Tip / Vent Exit (m)	0.7	72.0	76.0	0.3	1.397	0.25	0.16	0.1	0.1	0.4	0.1
Height Above Nearby Building (m)	None in the vicinity	None in the vicinity	None in the vicinity	None in the	n/a	15	None in vicinity	None in vicinity	None in vicinity	None in vicinity	None in vicinity
Height of Release Above Ground (m)	20	20	45	15.2	39.1	28	ن	151	تن	10	5
Longitude (decimal degrees)	27.84.292	27.84.256	27.50.5951	27.50.5526	27.50305	27 50 27	27.84472	27.84471	27.84469	27.84470	27.84468
Latitude (decimal degrees)	26.82.617	26.82.578	26.49.5386	26.49.5590	26.49240	26 49 46	26.77617	26.77618	26.77589	26.77590	26.77588
Source name	Furnace B2802	Furnace B1521	Furnace B2471	Oxidation Stack (B1675)	Fired Heater (B2601)	SCR outlet	F501 + F 502 vent	F 505 vent	E1204	B 1102	F1133 A+B
Point Source code	_	7	က	4	2	9	7	ω	တ	10	1

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6.4.2. Area and/or line source parameters

Unique Area Source ID	Source Name	Source Description	Latitude (decimal degrees) of SW corner	Longitude (decimal degrees) of SW corner	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)
1	F519	Reaction water tank	-26.8241	27.8445	26	N/a	N/a
2	F5049	Turposol 17 tank	-26.8316	27.8417	***	N/a	N/a

APPLIANCES AND MEASURES TO PREVENT AIR PO.0LLUTION

Appliances and control measures 7.1

Assoc	Source		ιΩ
	Permitted Minimum Utilization (%)		N/a
	Permitted Minimum Control Efficiency (%)		N/a
Air Pollution Control Technology	Nominal Capacity	he time	N/a
	Design Capacity	than 96% of t	<3000Nm³
	Date of Significant Modification / Upgrade	able for more	N/a
	Type Date Significant Nodification / / / / / / / / / / / / / / / / / / /	must be avail	2018
	Technology Type	All air pollution control technology must be available for more than 96% of the time	Selective Catalytic Reduction
	Product Name and Model	ollution contr	Not available
	Appliance Manufacture N Date	All air p	Not available
Appliances	Appliance Serial Number		Not available
Applia	Appliance / Appliance Process Type / Equipment Description Number		SCR Denox Not Unit availe
	Appliance / Process Equipment Number		T3680

POINT SOURCE - MAXIMUM EMISSIONS RATES (UNDER NORMAL WORKING CONDITIONS) 7.2.

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Point	Listed Activity No.	Pollutant Name		Maximum Release Rate		Duration of Emissions
Code			(mg/Nm³)	Date to be Achieved By Average Period	Average Period	
1, 2, 3, 5	Subcategory 2.1: Combustion Installations	Particulate Matter	120	1 April 2015 – 31 March 2020	Hourly	Continuous
		70.1	20	1 April 2020 – 31 March 2025	Hourly	Confinuous
		Oxides of Nitrogen	170 0	1 April 2015 – 31 March 2020	Hourly	Continuous
			400	1 April 2020 – 31 March 2025	Hourly	Confinuous
		Sulphur Dioxide	170 0	1 April 2015 – 31 March 2020	Hourly	Continuous
			1 000	1 April 2020 – 31 March 2025	Hourly	Continuous
4, 7, 8, 9, 10, 11	Subcategory 6: The manufacturing or use in manufacturing of hydrocarbons not specified elsewhere	VOCs non-thermal treatment	40 000	1 April 2015 – 31 March 2025	Hourly	Continuous
ဖ	Subcategory 7.2: The production, bulk handling and or use in manufacturing	NOx as NO ₂	2 000	1 April 2015 – 31 March 2020	Hourly	Continuous
	hydrofluoric, hydrochloric, nitric and sulphuric acid (including oleum) in concentration exceeding 10%.		350	1 April 2020 – 31 March 2025	Hourly	Continuous

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7.2.1 In the case of a limit value exceedance of a parameter not monitored through online monitoring but via a third party, the following shall apply:

The air quality officer shall be notified within 24-hours from the time that Sasol becomes aware of the exceedance

Within 14 days after the notification of the air quality officer, a plan on how the facility will manage the upset condition and the plant be brought back into compliance, must be presented to the air quality officer together with a dispersion model for approval.

On acceptance of the plan with its associated impact, the Air Quality officer will issue a written approval for the implementation of the plan and the necessary reporting and tracking to bring the plant back into compliance

Failing to adhere to the above mentioned under 7.2.1 or the plan will constitute non-compliance

POINT SOURCE OPERATING CONDISTIONS (UNDER START-UP, MAINTENANCE AND SHUT-DOWN CONDITIONS) .; .;

The following conditions must be adhered to at minimum during start up, maintenance and shut down conditions:

Should normal start up, maintenance and shutdown conditions exceed a period of 48 hours, Section 30 of the National Environmental Management Act, 1998 (Act No. 107 of 1998), shall apply.

down and maintenance/upset conditions do not apply. Prior notification must be given to the Air Quality Officer to confirm the start and end date of Technical and Engineering testing work will be considered extraordinary maintenance to which conditions in Section 7.2 and normal start-up, shut

7.4. POINT SOURCE - EMISSIONS MONITORING AND REPORTING REQUIREMENTS

Point Source	Emissions Sampling /	Sampling	Sampling	Parameters to	Parameters to	Parameters to Parameters to Conditions under which be measured be reported monitoring should be stopped	Reporting
Code	Monitoring Method	Frequency	Duration	be measured	be reported		Frequency
1, 2, 3, 5	As indicated in the National Environmental Management: Air Quality Act (Act 39	Annualiy	As indicated PM, NOx & in the SO ₂ National Environmen tal	PM, NOx & SO ₂	PM, NOx & SO ₂	Upon written approval by the Air Quality Officer	Annuaily

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	Annually	Annually
	Upon written approval by the Air Quality Officer	Upon written approval by the Air Quality Officer
	VOCS	XO _N
	VOCS	XON
Manageme nt: Air Quality Act (Act 39 0f 2004): Standards and Regulations (Refer to Schedule A)	As indicated in the National Environmental Management: Air Quality Act (Act 39 of 2004): Standards and Regulations (Refer to Schedule A)	As indicated in the National Environmen tal Manageme nt: Air Quality Act (Act 39 0f
	Annually	Annually
0f 2004): Standards and Regulations (Refer to Schedule A)	As indicated in the National Environmental Management: Air Quality Act (Act 39 Of 2004): Standards and Regulations (Refer to Schedule A)	As indicated in the National Environmental Management: Air Quality Act (Act 39 Of 2004): Standards and Regulations
	4, 7, 8, 9, 10, 11	ဖ

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7.5. AREA AND/OR LINE SOURCE - MANAGEMENT AND MITIGATION MEASURES

Area and/or Line Source Code	Area and/or Line Source Description	Description of Specific Measures	Timeframe for Achieving Required Control Efficiency	Method of Monitoring Measures Effectiveness	Contingency Measures
ΝΑ	N/A	NA	N/A	NA	NA

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7.6. ROUTINE REPORTING AND RECORD-KEEPING

Complaints register

The licence holder must maintain a complaints register at its premises, and such register must be made available for inspections. The complaints register must include the following information on the complainant, namely, the name, physical address, telephone number, date and the time when the complaint was registered. The register should also provide space for noise, dust and offensive odours complaints.

Furthermore, the licence holder is to investigate and, monthly, report to the licencing authority in a summarised format on the total number of complaints logged. The complaints must be reported in the following format with each component indicated as may be necessary:

- (a) Source code / name:
- (b) Root cause analysis;
- (c) Calculation of impacts / emissions associated with incidents and dispersion modelling of pollutants, where applicable;
- (d) Measures implemented or to be implemented to prevent recurrence; and
- (e) Date by which measure will be implemented.

The licensing authority must also be provided with a copy of the complaints register. The record of a complaint must be kept for at least 5 (five) years after the complaint was made.

7.7 ANNUAL REPORTING

The licence holder must complete and submit to the licensing authority an annual report. The report must include information for the year under review (i.e. annual year end of the company). The report must be submitted to the licensing authority not later than 60 (sixty) days after the end of each reporting period. The annual report must include, amongst others, the following items:

- (a) Pollutant emissions trend;
- (b) Compliance audit report(s);
- (c) Major upgrades projects (i.e. abatement equipment or process equipment); and
- (d) Greenhouse gas emissions: Reporting in terms of S43 (1)(i) shall be done in accordance with the Greenhouse Gas Reporting Regulations.

The holder of the licence must keep a copy of the annual report for a period of at least 5 (five) years.

8. DISPOSAL OF WASTE AND EFFLUENT ARISING FROM ABATEMENT EQUIPMENT CONTROL TECHNOLOGY

The disposal of any waste and effluent arising from the abatement equipment control technology must comply with the relevant legislation and requirements of the relevant authorities.

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Source Code / Name	Waste / Effluent Type	Hazardous Components Present	Method (
All scrubber liquor and wa	iter effluent are treated at the Sasol	bio- and water works facility	

9. PENALTIES FOR NON-COMPLIANCE WITH LICENCE AND STATUTORY CONDITIONS OR REQUIREMENTS

Failure to comply with any of the licence and relevant statutory conditions and/or requirements is an offence, and licence holder, if convicted, will be subjected to those penalties as set out in section 52 of the AQA.

10. REPORTING OF ABNORMAL RELEASES AND EMERGENCY RESPONSES

The holder must prevent deviations from normal operating conditions that would result in pollution exceeding specified limit values. If any conditions exist that will result in excessive emissions or nuisance must be immediately reported to the Air Quality Officer. If applicable, a section 30 incident must be reported in terms of NEMA and reported to the Air Quality Officer within 24 hours. Where excessive emissions occur, which could cause adverse health and environmental impacts or nuisance, urgent corrective measures must be taken by the holder to contain or minimise the emissions through operational interventions. Remediation, if required shall be carried out to the satisfaction of the licensing authority and/or any other government agencies.

11. APPEAL OF ATMOSPHERIC EMISSIONS LICENCE

- 11.1 The holder of the authorization must notify every registered interested and affected party, in writing and within five (5) working days of the date of issue, of the holder's receipt of this atmospheric emissions licence.
- 11.2 The written notification referred to in Condition 11.1 above must
 - 11.2.1 Specify the date on which the atmospheric emissions licence was issued;
 - 11.2.2 Inform interested and affected parties of the appeal procedure provided for in Chapter 7 the GN No R543 of 18 June 2010; and
 - 11.2.3 Advise interested and affected parties that a copy of the atmospheric emissions licence and reasons for the decision will be furnished on request
- An appeal against the decisions contained in this atmospheric emissions licence must be lodged, in writing with the: Director: Environmental Health and Environmental Services, Fezile Dabi District Municipality, PO Box 10, Sasolburg, 1949, Tel No:016 970 8600, Fax No: 016 973 1582

12. REVIEW

- 12.1 The authority shall have the right to review the licence continuously within the period as stipulated in clause 1 above or as and when such review is deemed necessary by the Air Quality Officer;
- Such review shall be done as a result of amendments in legislation or by virtue of findings from regular inspections done by the Air Quality Officer;
- 12.3 The authority shall serve the license holder with a 30(thirty) day notice when such a necessity arises;
- The authority shall under no circumstances be barred by license holder from reviewing the license upon receiving notice of review.

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