

# Gert Sibande District Municipality

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## ATMOSPHERIC EMISSION LICENCE AS CONTEMPLATED IN SECTION 43 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004, (ACT NO. 39 OF 2004) (NEMAQA) AS AMENDED

I, **Tsunke Daniel Hlanyane**, in my capacity as **License Officer** (hereinafter referred to as "the Licensing Authority"), in terms of section 43 of the National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004, hereinafter referred to as the "Act"), and as provided for in section 36(1) of the Act, hereby grant an Atmospheric Emission Licence to **Sasol Oil Proprietary (Pty) Limited (Ltd) - Sasol Energy Secunda Tank farm** ("the Applicant)."

This Atmospheric Emission Licence is issued to **Sasol Oil (Pty) Ltd - Sasol Energy Secunda Tank farm** in terms of section 41(1) of the National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) ("the Act"), in respect of Listed Activity **Category 2: Sub-category 2.4 Storage and Handling of Petroleum Products; Category 6: Organic Chemicals Industry**. The Atmospheric Emission Licence has been issued on the basis of information provided in the company's application dated **02 March 2019** and information that became available during processing of the application.

The Atmospheric Emission Licence is valid upon signature for a period not exceeding five (05) years from the date of issue of the licence. The reason issuance of the licence is for renewal. The Atmospheric Emission Licence is issued subject to the conditions and requirements set out below which form part of The Atmospheric Emission Licence and which are binding on the holder of the Atmospheric Emission Licence ("the holder").

### 1 ATMOSPHERIC EMISSION LICENCE ADMINISTRATION

Name of the Licensing Authority	Gert Sibande District Municipality
Atmospheric Emission Licence Number	Govan Mbeki/Sasol Oil (Pty) Ltd- Sasol Energy Secunda Tank Farm/0019/2020/F03
Atmospheric Emission Licence Issue Date	28 February 2020
Atmospheric Emission Licence Type	Renewal
Expiry date	28 February 2025

  
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## 2 ATMOSPHERIC EMISSION LICENCE HOLDER DETAILS

Enterprise Name	Sasol Oil (Pty) Ltd
Trading as	Sasol Energy Secunda Tank farm
Enterprise Registration Number (Registration Numbers if Joint Venture)	1981/007622/07
Registered Address	Sasol Place 50 Katherine Street Sandton, Gauteng
Postal Address	Private Bag X1000 Secunda 2302
Telephone Number (General)	017 619 3512
Industry Sector	Petrochemical Products
Name of Emission Control Officer	Hannes Buys
Telephone Number	017 619 3512
Cell Phone Number	082 339 3906
Fax Number	Not Available
Email Address	<a href="mailto:Hannes.Buys@sasol.com">Hannes.Buys@sasol.com</a>
After Hours Contact Details	082 902 1989
Land Use Zoning as per Town Planning Scheme	Industrial Special

## 3. LOCATION AND EXTENT OF PLANT

### 3.1. Facility Address

Physical Address of the Premises	PDP Kruger Secunda 2302
Description of Site (Erf)	Highveld Ridge Mpumalanga
Coordinates of Approximate Centre of Operations	Latitude: [REDACTED] Longitude: [REDACTED]
Extent (km <sup>2</sup> )	24.05
Elevation Above Mean Sea Level (m)	1597m
Province	Mpumalanga
Metropolitan/District Municipality	Gert Sibande District Municipality
Local Municipality	Govan Mbeki Local Municipality
Designated Priority Area	Highveld Priority Area

  
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### 3.2. Description of surrounding land use (within 5 km radius)



Figure 1: Google Earth Image of area surrounding the site (5km).

## 4. GENERAL CONDITIONS

### 4.1. Process and ownership changes

- (a) The holder of the Atmospheric Emission 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.
- (b) No building, plant or site of works related to the listed activity or activities used by the licence holder shall be extended, altered or added to the listed activity without an environmental authorisation from the competent authority. The investigation, assessment and communication of potential impact of such an activity must follow the assessment procedure as prescribed in the Environmental Impact Assessment Regulations published in terms of Section 24(5) of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), as amended.
- (c) Any changes in processes or production increases, by the licence holder, will require prior written approval by the licensing authority.
- (d) Any changes to the type and quantities of input materials and products, or to production equipment and treatment facilities will require prior written approval by the licensing authority.
- (e) 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 thirty (30) working days after the change of ownership.
- (f) The licence holder must immediately on cessation or decommissioning of the listed activity inform, in writing the licensing authority.
- (g) The licence holder must notify the Licensing Authority in writing and submit the closure and rehabilitation plan three (3) months prior to the decommissioning of the facility.

  
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#### 4.2. General duty of care

- (a) 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 as amended including Part III Section 3 of Gert Sibande District Municipal Air Quality by-laws.
- (b) 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 as amended.
- (c) 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 as amended including Part III Section 3 of Gert Sibande District Municipal Air Quality by-laws.

#### 4.3. Sampling and/or analysis requirements

- (a) Measurement, calculation and /or sampling and analysis shall be carried out in accordance with any nationally or internationally acceptable standard in line with (Annexure A) of NEMAQA as amended.
- (b) Methods other than those contained in Annexure A of NEMAQA as amended may be used with the written consent of the National Air Quality Officer.
- (c) In seeking the written consent referred to in paragraph (b), an applicant must provide the National Air Quality Officer with any information that supports the equivalence of the method other than that contained in Annexure A to a method contained in Annexure A.
- (d) The licence holder is responsible for quality assurance of methods and performance. Where the holder of the licence uses internal or external laboratories for sampling or analysis, only accredited laboratories by the national accreditation body shall be used. The certified copy of accreditation of the internal or external laboratory must be submitted to the licence authority annually including its external audits certification.
- (e) The licence holder must provide the licensing authority on request with raw data obtained during sampling and or analysis including proof of agreed methodology used to reach the final results submitted for compliance.

#### 4.4. General requirements for licence holder

- (a) 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.
- (b) 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.
- (c) A copy of the licence must be kept at the premises where the listed activity is undertaken. The original licence must be made available to the Environmental Management Inspector / Air Quality Officer or an authorised officer representing the licensing authority who requests to see it.
- (d) The licence holder must inform, in writing, the licensing authority of any change to its details but not limited to the name of the Emission Control Officer, postal address and/or telephonic details within five (05) working days after such change has been effected.

  
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- (e) The Emission Control Officer or facility representative must attend the Highveld Priority Area Implementation Task Team or Air Quality Stakeholder Forum Meetings quarterly.
- (f) The licence holder must report and submit annual emission report on the National Atmospheric Emission Inventory System (NAEIS) for the preceding year in terms of GNR 283 in Government Gazette 38633 of 02 April 2015.
- (g) The licence holder must hold an environmental consultation meeting with affected and interested parties annually to give feedback on the impact of the facility on related matters, and must provide written prove of such consultation to the licensing authority annually.

#### **4.5. Statutory obligations**

The licence holder must comply with the obligations as set out in Chapter 5 of NEMAQA (Act no. 39 of 2004) as amended, Chapter 10 and 11 of the National Health Act 61 of 2003, National Environmental Management Act 108 of 1998 as amended, National Water Act No.36 of 1998, and National Waste Management Act No. 59 of 2008 including Gert Sibande District by-laws.

### **5 NATURE OF PROCESS**

#### **5.1 Process Description**

##### **5.1.1. Bulk petroleum and chemicals storage facility**

Sasol Energy Secunda Tank farm (SEST), a division of Sasol Oil (Pty) Ltd, operates a facility for storage, transfer and blending of various liquid petroleum products and chemicals. The facility has approximately 200 aboveground storage tanks of various sizes and designs. The tank farm includes dome roof tanks, cone roof tanks, external floating roof tanks, and cryogenic storage and pressure spheres. Different final and intermediate products are stored and handled, ranging from heavy oils to light end volatile products. The facility also blends various final fuel products to meet market specifications.

There are several sumps in the SEST battery limit. These sumps are connected to the underground gravity drainage system and is used for the catchment of relatively small amounts of petroleum and chemical discharges during routine operations.

##### **5.1.2. Loading and offloading facilities**

There are loading and off-loading areas (road and rail) in SEST. These facilities are mostly used for the handling of process materials. Some of these are currently not in use. There are several additive drums in SEST, typically small compared to other storage tanks. These additives are used as part of the fuels blending process to meet market specifications. Each of these drums have an associated off-loading area where additives are off-loaded/decanted into the permanent storage drums.

##### **5.1.3. Flares**

The main factory and ammonia flare system is a pressure relief collection system that prevents the formation of an explosive mixture under any relief scenario that is intended to protect process equipment in a safe manner and to purge inert containing off gas.

  
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Flare	Description	Products predominantly flared
Four main factory flares	Flares for gas combustion with liquid seals at base and designed for steam assisted smokeless flaring.	A mixture of Hydrogen, Carbon Monoxide, Methane, Ethane, Propane, Butane, Ethylene, Propylene, C5 to C6 Hydrocarbons.
Two ammonia flares	Flares for gas combustion of ammonia, propylene, propane and butane from pressurized storage tanks, typically resulting from tank breathing. Off-gasses from propane, butane and ammonia loading operations are also routed to flare.	Ammonia, propane, butane and propylene.
Non-acidic chemical burner (NAC)	It is a ground burner facility used for combustion of excess amounts of liquid non-acidic chemicals from the solvents value chain.	Mixture of solvents containing mostly water, alcohols and ketones.
Evergreen Flare	It is a ground burner facility used for combustion of excess amounts of liquid fuels and chemicals.	Off specification intermediate fuel components and solvents.

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5.2 Listed activities

Listed Activity Number	Category of Listed Activity	Sub-category of the listed activity	Description of the Listed Activity	Application	Sasol Oil Processes
2.4	Petroleum Industry	Storage and Handling of Petroleum Products	Petroleum product storage tanks and product transfer facilities	All permanent immobile liquid storage tanks larger than 1000 cubic meters cumulative tankage capacity at a site.	Petroleum storage tanks
6	Organic Chemical Industry	N/A	The production, or use in production of organic chemicals not specified elsewhere including acetylene, acetic, maleic or phthalic anhydride or their acid, carbon disulphide, pyridine, formaldehyde, acetaldehyde, acrolein and its derivatives, acrylonitrile, amines and synthetic rubber. The production of organometallic compounds, organic dyes and pigments, surface-active agents. The polymerisation or co-polymerisation of any unsaturated hydrocarbons, substituted hydrocarbon (including vinyl chloride). The manufacture, recovery or purification of acrylic acid or any ester of acrylic acid. The use of toluene di-isocyanate or other di-isocyanate of comparable volatility or recovery of pyridine.	All installations producing and or using more than 100 tons per annum of any of the listed compounds	Organic chemical storage tanks

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### 5.3 Unit process or processes

#### 5.3.1. Flares

Unit process	Function of unit process	Batch or continuous process	Operating hours per day	No. days operation per year
<b>Flares</b>				
Four main factory flares	Flares for gas combustion with liquid seals at base and designed for steam assisted smokeless flaring.	Continuous	24	365
Two ammonia flares	Flares for gas combustion of ammonia, propylene, propane and butane from pressurized storage tanks, typically resulting from tank breathing. Off-gasses from propane, butane and ammonia loading operations are also routed to flare.	Continuous	24	365
Non-acidic chemical burner	It is a ground burner facility used for combustion of excess amounts of liquid non-acidic chemicals from the solvents value chain.	Batch	24	365
Evergreen flare	It is ground burner facility used for combustion of excess amounts of liquid fuels and chemicals.	Batch	24	365

#### 5.3.2. Storage tanks and loading facility

Unit process	Function of unit process	Batch or continuous process	Operating hours per day	No. days operation per year
<b>Storage Tanks</b>				
Unit 56	Storage of intermediate components, final products and blending.	Continuous	24	365
Unit 256	Storage of intermediate components and final products.	Continuous	24	365
Unit 257/57	Storage and blending of liquefied petroleum gases, ammonia refrigeration and storage.	Continuous	24	365
<b>Loading Facility</b>				
Unit 257/57	Dispatch and receiving of liquefied petroleum gases and other commodities.	Continuous	24	365



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## 5.4 Graphical Process Information

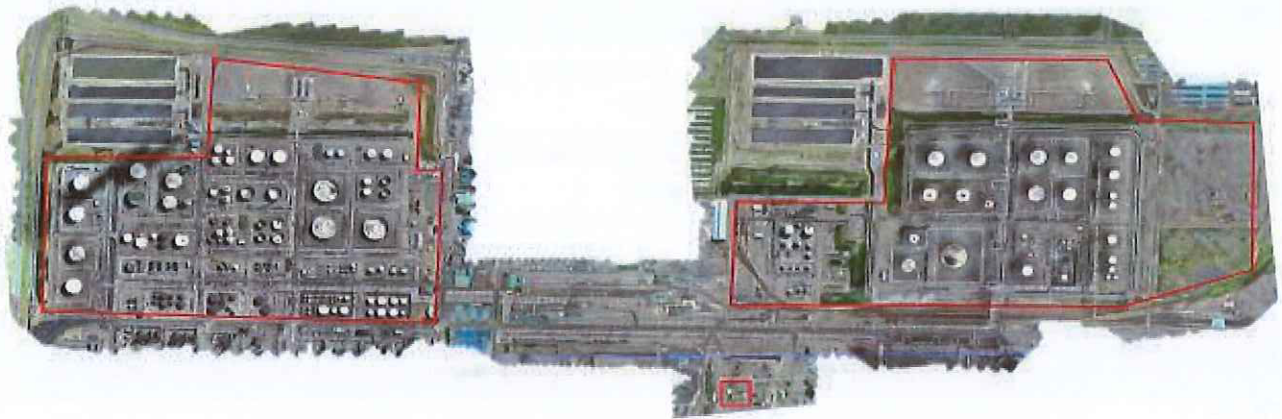


Figure 2: Sasol Secunda Energy Tank farm

## 6 RAW MATERIAL AND PRODUCTS

### 6.1 Raw materials used

Raw Material Type	Maximum Permitted Consumption Rate	Units (quantity/period)	Design Consumption Rate	Units (quantity/period)
<b>Flares</b>				
<b>Four Main Flares</b>				
A mixture of Hydrogen, Carbon Monoxide, Methane, Ethane, Propane, Butane, Ethylene, Propylene, C5 to C6 Hydrocarbons.	In line with maximum and safety requirements per flare.	Tons per hour	In line with maximum and safety requirements per flare	Tons per hour
<b>Ammonia flares</b>				
Ammonia, propane, butane and propylene	In line with maximum and safety requirements per flare	Tons per hour	In line with maximum and safety requirements per flare	Tons per hour
<b>Non-acidic chemical burner</b>				
Mixture of solvents containing mostly water, alcohols and ketones.	In line with maximum and safety requirements per flare	Tons per hour	In line with maximum and safety requirements per flare	Tons per hour

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Evergreen flare				
Off specification intermediate fuel components and solvents	In line with maximum and safety requirements per flare	Tons per hour	In line with maximum and safety requirements per flare	Tons per hour
Storage of petroleum and organic chemicals				
056/256 tank farm west and east	Varying	Cubic meters per hour	Varying	Cubic meters per hour
57/257 high pressure tank farm	Varying	Cubic meters per hour	Varying	Cubic meters per hour

## 6.2 Production rates

Product name	Production capacity-permitted	Units (quantity/period)	Design production rate	Units (quantity/period)
*None				

\* No production is taking place at Sasol Energy Secunda Tank farm (SEST). Liquid petroleum and organic chemical products from Secunda Synfuels Operations (SSO) and Secunda Chemical Operations (SCO) are stored, handled, blended and dispatched via road tankers and pipelines.

## 6.3 By product

Product name	Production capacity-permitted	Units (quantity/period)	Design production rate	Units (quantity/period)
*None				

\* No production is taking place at Sasol Energy Secunda Tank farm (SEST). Liquid petroleum and organic chemical products from Secunda Synfuels Operations (SSO) and Secunda Chemical Operations (SCO) are stored, handled, blended and dispatched via road tankers and pipelines.

## 6.4 Material used in energy sources

Energy source	Maximum permitted consumption rate	Units (quantity/period)	Design consumption rate	Units (quantity/period)
Four main flares				
Fuel gas	48	Cubic meters (normal) per hour	48	Cubic meters (normal) per hour
Steam	92	Tons per hour	92	Tons per hour
*Electricity	62	Kilowatts hour per day	62	Kilowatts hour per day

\*Electricity consumption data above is for pumping liquid from the knock-out drum

  
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6.5 Sources of atmospheric emission

6.5.1 Point Source parameters

Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Height Above Nearby Building (m)	Diameter at Stack Tip / Vent Exit (m)	Actual Gas Exit Temperature (°C)	Actual Gas Volumetric Flow (m <sup>3</sup> /s)	Actual Gas Exit Velocity (m/s)	Emission hours	Type of emission
None											

6.5.2 Area source parameters

6.5.2.1 Petroleum storage tanks

Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0003	056TK1402			10.00	N/A	N/A	24	Intermittent
EU0004	256TK9301			20.45	N/A	N/A	24	Intermittent
EU0005	56TK0107			14.25	N/A	N/A	24	Intermittent
EU0008	256TK3301			14.35	N/A	N/A	24	Intermittent
EU0010	56TK3301			14.35	N/A	N/A	24	Intermittent
EU0027	56TK3201			14.63	N/A	N/A	24	Intermittent
EU0032	256TK3202			14.63	N/A	N/A	24	Intermittent
EU0033	256TK3201			14.63	N/A	N/A	24	Intermittent
EU0034	56TK0130			10.00	N/A	N/A	24	Intermittent
EU0046	256TK1401			10.00	N/A	N/A	24	Intermittent
EU0047	256TK1402			10.00	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0048	256TK2902			14.35	N/A	N/A	24	Intermittent
EU0049	256TK3401			11.88	N/A	N/A	24	Intermittent
EU0050	256TK3402			11.88	N/A	N/A	24	Intermittent
EU0051	256TK9302			20.45	N/A	N/A	24	Intermittent
EU0052	56TK0113			14.35	N/A	N/A	24	Intermittent
EU0053	56TK0121			9.00	N/A	N/A	24	Intermittent
EU0054	56TK0122			9.00	N/A	N/A	24	Intermittent
EU0055	56TK0214			8.00	N/A	N/A	24	Intermittent
EU0056	56TK1401			10.00	N/A	N/A	24	Intermittent
EU0057	56TK1601			9.60	N/A	N/A	24	Intermittent
EU0058	56TK2901			14.35	N/A	N/A	24	Intermittent
EU0059	56TK2902			14.35	N/A	N/A	24	Intermittent
EU0060	56TK3202			14.63	N/A	N/A	24	Intermittent
EU0061	56TK3401			11.88	N/A	N/A	24	Intermittent
EU0062	56TK3402			11.88	N/A	N/A	24	Intermittent
EU0063	56TK3901			12.80	N/A	N/A	24	Intermittent
EU0064	56TK3902			12.80	N/A	N/A	24	Intermittent
EU0065	56TK2903			12.00	N/A	N/A	24	Intermittent
EU0066	56TK3501			14.35	N/A	N/A	24	Intermittent
EU0067	256TK3001			14.75	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0001	256TK2811			11.12	N/A	N/A	24	Intermittent
EU0068	256TK2812			11.12	N/A	N/A	24	Intermittent
EU0069	56TK3305			9.50	N/A	N/A	24	Intermittent
EU0070	256TK3320			11.88	N/A	N/A	24	Intermittent
EU0071	56TK3321			12.18	N/A	N/A	24	Intermittent
EU0072	56TK3322			12.18	N/A	N/A	24	Intermittent
EU0073	56TK3308			9.50	N/A	N/A	24	Intermittent
EU0074	56TK3309			9.50	N/A	N/A	24	Intermittent
EU0075	56TK1508			9.0	N/A	N/A	24	Intermittent
EU0076	256TK1508			9.00	N/A	N/A	24	Intermittent
EU0077	56TK1505			8.0	N/A	N/A	24	Intermittent
EU0078	256TK1505			8.0	N/A	N/A	24	Intermittent
EU0079	56TK1414			7.0	N/A	N/A	24	Intermittent
EU0080	56TK1501			11.9	N/A	N/A	24	Intermittent
EU0081	56TK1502			11.9	N/A	N/A	24	Intermittent
EU0082	256TK1501			11.88	N/A	N/A	24	Intermittent
EU0083	256TK1502			11.88	N/A	N/A	24	Intermittent
EU0084	56TK3005			14.25	N/A	N/A	24	Intermittent
EU0085	56TK3006			14.25	N/A	N/A	24	Intermittent
EU0086	256TK3005			15.67	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0087	256TK3006			15.67	N/A	N/A	24	Intermittent
EU0088	56TK3521			11.98	N/A	N/A	24	Intermittent
EU0089	256TK2801			11.88	N/A	N/A	24	Intermittent
EU0090	256TK2901			14.35	N/A	N/A	24	Intermittent
EU0091	256TK2904			14.75	N/A	N/A	24	Intermittent
EU0092	56TK3304			20.10	N/A	N/A	24	Intermittent
EU0093	256TK3852			20.20	N/A	N/A	24	Intermittent
EU0094	256TK3002			9.60	N/A	N/A	24	Intermittent
EU0095	56TK0101			11.9	N/A	N/A	24	Intermittent
EU0096	56TK0102			11.9	N/A	N/A	24	Intermittent
EU0097	56TK0103			11.7	N/A	N/A	24	Intermittent
EU0098	56TK0105			21.4	N/A	N/A	24	Intermittent
EU0099	56TK0106			14.3	N/A	N/A	24	Intermittent
EU0100	256TK0104			15.85	N/A	N/A	24	Intermittent
EU0101	256TK0108			14.81	N/A	N/A	24	Intermittent
EU0102	56TK3010			9.50	N/A	N/A	24	Intermittent
EU0103	56TK0109			12.2	N/A	N/A	24	Intermittent
EU0104	56TK0110			12.2	N/A	N/A	24	Intermittent
EU0106	56TK0112			14.4	N/A	N/A	24	Intermittent
EU0112	057TKB901			13.17	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0113	057TKB906			16.00	N/A	N/A	24	Intermittent
EU0114	056TK0114			10.0	N/A	N/A	24	Intermittent
EU0115	056TK0115			4.8	N/A	N/A	24	Intermittent
EU0116	056TK0117			6.4	N/A	N/A	24	Intermittent
EU0117	056TK0118			6.4	N/A	N/A	24	Intermittent
EU0118	056TK0125			10.0	N/A	N/A	24	Intermittent
EU0119	056TK0126			10.0	N/A	N/A	24	Intermittent
EU0120	056TK0129			10.0	N/A	N/A	24	Intermittent
EU0121	056TK0133			8.0	N/A	N/A	24	Intermittent
EU0122	056TK0134			8.0	N/A	N/A	24	Intermittent
EU0123	056TK0139			10.0	N/A	N/A	24	Intermittent
EU0124	056TK1405			10.0	N/A	N/A	24	Intermittent
EU0125	056TK1406			10.0	N/A	N/A	24	Intermittent
EU0126	056TK1409			10.4	N/A	N/A	24	Intermittent
EU0127	056TK1410			10.4	N/A	N/A	24	Intermittent
EU0128	056TK1413			7.0	N/A	N/A	24	Intermittent
EU0129	056TK1417			8.8	N/A	N/A	24	Intermittent
EU0130	056TK1418			8.8	N/A	N/A	24	Intermittent
EU0131	056TK1602			14.2	N/A	N/A	24	Intermittent
EU0132	056TK1603			13.7	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0133	056TK2810			9.5	N/A	N/A	24	Intermittent
EU0134	056TK3002			9.60	N/A	N/A	24	Intermittent
EU0135	056TK3004			4.85	N/A	N/A	24	Intermittent
EU0136	056TK3320			12.19	N/A	N/A	24	Intermittent
EU0137	056TK3502			9.60	N/A	N/A	24	Intermittent
EU0138	056TK3503			14.40	N/A	N/A	24	Intermittent
EU0139	056TK3504			14.40	N/A	N/A	24	Intermittent
EU0140	056TK3520			14.35	N/A	N/A	24	Intermittent
EU0141	056TK3903			12.80	N/A	N/A	24	Intermittent
EU0142	057TK0101			17.50	N/A	N/A	24	Intermittent
EU0143	057TK0106			14.43	N/A	N/A	24	Intermittent
EU0144	057TK0107			14.43	N/A	N/A	24	Intermittent
EU0145	057TK0110			22.28	N/A	N/A	24	Intermittent
EU0146	057TK0115			9.85	N/A	N/A	24	Intermittent
EU0147	057TK0201			8.53	N/A	N/A	24	Intermittent
EU0148	057TK0202			12.97	N/A	N/A	24	Intermittent
EU0149	057TK0203			12.19	N/A	N/A	24	Intermittent
EU0150	057TK0204			12.19	N/A	N/A	24	Intermittent
EU0151	057TK2401			12.11	N/A	N/A	24	Intermittent
EU0152	057TK2405			9.22	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0153	057TK3201			15.89	N/A	N/A	24	Intermittent
EU0154	256TK0117			6.40	N/A	N/A	24	Intermittent
EU0155	256TK0118			6.00	N/A	N/A	24	Intermittent
EU0156	256TK0145			11.98	N/A	N/A	24	Intermittent
EU0157	256TK0160			14.35	N/A	N/A	24	Intermittent
EU0158	256TK0161			14.35	N/A	N/A	24	Intermittent
EU0159	256TK0162			14.35	N/A	N/A	24	Intermittent
EU0160	256TK0163			14.35	N/A	N/A	24	Intermittent
EU0161	256TK1509			47.60	N/A	N/A	24	Intermittent
EU0162	256TK2903			14.40	N/A	N/A	24	Intermittent
EU0163	256TK3004			4.85	N/A	N/A	24	Intermittent
EU0164	256TK3501			14.35	N/A	N/A	24	Intermittent
EU0165	256TK3502			9.60	N/A	N/A	24	Intermittent
EU0166	257TK0101			17.50	N/A	N/A	24	Intermittent
EU0167	257TK0110			22.28	N/A	N/A	24	Intermittent
EU0168	257TK2405			9.22	N/A	N/A	24	Intermittent
EU0169	257TK2407			14.60	N/A	N/A	24	Intermittent
EU0170	257TK3201			15.89	N/A	N/A	24	Intermittent
EU0171	259TK-9911			20	N/A	N/A	24	Intermittent
EU0172	259TK-9912			20	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0173	259TK-9909			20	N/A	N/A	24	Intermittent
EU0174	259TK-9910			20	N/A	N/A	24	Intermittent
EU0175	259TK-9907			20	N/A	N/A	24	Intermittent
EU0176	259TK-9908			20	N/A	N/A	24	Intermittent
EU0177	259TK-9905			20	N/A	N/A	24	Intermittent
EU0178	259TK-9906			20	N/A	N/A	24	Intermittent
EU0179	259TK-9903			20	N/A	N/A	24	Intermittent
EU0180	259TK-9904			20	N/A	N/A	24	Intermittent
EU0181	259TK-9901			20	N/A	N/A	24	Intermittent
EU0182	259TK-9902			20	N/A	N/A	24	Intermittent
EU0183	259TK-9918			5	N/A	N/A	24	Intermittent
EU0184	259TK-9917			5	N/A	N/A	24	Intermittent
EU0185	259TK-9916			5	N/A	N/A	24	Intermittent
EU0186	259TK-9915			5	N/A	N/A	24	Intermittent
EU0187	259TK-9914			5	N/A	N/A	24	Intermittent
EU0188	056TK0201			5.00	N/A	N/A	24	Intermittent
EU0189	056TK0202			5.00	N/A	N/A	24	Intermittent
EU0190	256TK0115			4.83	N/A	N/A	24	Intermittent
EU0191	256TK0217			6.05	N/A	N/A	24	Intermittent

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6.5.2.2 Organic chemical storage tanks

Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0006	56TK0216			7.23	N/A	N/A	24	Intermittent
EU0007	256TK3812			7.23	N/A	N/A	24	Intermittent
EU0009	56TK3812			7.23	N/A	N/A	24	Intermittent
EU0011	56TK3721			7.23	N/A	N/A	24	Intermittent
EU0012	256TK3721			7.23	N/A	N/A	24	Intermittent
EU0013	256TK0148			11.88	N/A	N/A	24	Intermittent
EU0014	256TK3601			11.88	N/A	N/A	24	Intermittent
EU0015	256TK3602			9.60	N/A	N/A	24	Intermittent
EU0016	256TK3706			7.23	N/A	N/A	24	Intermittent
EU0017	256TK3811			7.23	N/A	N/A	24	Intermittent
EU0018	256TK3851			6.40	N/A	N/A	24	Intermittent
EU0019	256TK3705			7.23	N/A	N/A	24	Intermittent
EU0020	56TK7301			9.60	N/A	N/A	24	Intermittent
EU0021	56TK3706			7.23	N/A	N/A	24	Intermittent
EU0022	56TK7302			9.60	N/A	N/A	24	Intermittent
EU0023	56TK3601			11.88	N/A	N/A	24	Intermittent
EU0024	56TK3603			11.88	N/A	N/A	24	Intermittent
EU0025	256TK3850			6.40	N/A	N/A	24	Intermittent
EU0026	56TK3602			9.60	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0028	56TK7303			12.80	N/A	N/A	24	Intermittent
EU0029	56TK3811			7.23	N/A	N/A	24	Intermittent
EU0030	56TK3705			7.23	N/A	N/A	24	Intermittent
EU0031	256TK0143			11.98	N/A	N/A	24	Intermittent
EU0035	56TK0143			11.98	N/A	N/A	24	Intermittent
EU0036	56TK0146			11.98	N/A	N/A	24	Intermittent
EU0037	56TK0203			11.98	N/A	N/A	24	Intermittent
EU0038	56TK3709			4.85	N/A	N/A	24	Intermittent
EU0039	56TK3710			4.85	N/A	N/A	24	Intermittent
EU0040	56TK3713			4.85	N/A	N/A	24	Intermittent
EU0041	56TK3714			4.85	N/A	N/A	24	Intermittent
EU0042	56TK3835			11.98	N/A	N/A	24	Intermittent
EU0043	256TK3713			4.85	N/A	N/A	24	Intermittent
EU0044	256TK3714			4.85	N/A	N/A	24	Intermittent
EU0045	256TK3835			11.98	N/A	N/A	24	Intermittent
EU0105	256TK0216			7.23	N/A	N/A	24	Intermittent
EU0192	056TK0141			11.95	N/A	N/A	24	Intermittent
EU0193	056TK0145			11.98	N/A	N/A	24	Intermittent
EU0194	056TK0148			9.50	N/A	N/A	24	Intermittent
EU0195	056TK0150			9.60	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0196	056TK0166			9.60	N/A	N/A	24	Intermittent
EU0197	056TK0167			9.60	N/A	N/A	24	Intermittent
EU0198	056TK0168			9.60	N/A	N/A	24	Intermittent
EU0199	056TK0220			11.88	N/A	N/A	24	Intermittent
EU0200	056TK0301			4.76	N/A	N/A	24	Intermittent
EU0201	056TK0302			4.76	N/A	N/A	24	Intermittent
EU0202	056TK3804			11.98	N/A	N/A	24	Intermittent
EU0203	056TK3815			4.85	N/A	N/A	24	Intermittent
EU0204	056TK3816			4.85	N/A	N/A	24	Intermittent
EU0205	056TK3819			4.85	N/A	N/A	24	Intermittent
EU0206	056TK3820			4.85	N/A	N/A	24	Intermittent
EU0207	056TK3821			6.00	N/A	N/A	24	Intermittent
EU0208	056TK3822			6.00	N/A	N/A	24	Intermittent
EU0209	056TK3836			8.30	N/A	N/A	24	Intermittent
EU0210	056TK3837			8.30	N/A	N/A	24	Intermittent
EU0211	056TK3838			14.36	N/A	N/A	24	Intermittent
EU0212	256TK0146			11.98	N/A	N/A	24	Intermittent
EU0213	256TK0149			11.88	N/A	N/A	24	Intermittent
EU0214	256TK3603			11.88	N/A	N/A	24	Intermittent
EU0215	256TK3709			4.85	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release Above Ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
EU0216	256TK3710			4.85	N/A	N/A	24	Intermittent
EU0217	256TK7310			7.32	N/A	N/A	24	Intermittent
EU0218	256TK7311			7.32	N/A	N/A	24	Intermittent
EU0219	256TK7312			10.00	N/A	N/A	24	Intermittent

### 6.5.2.3 Flares

Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release above the ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
01	Main flare (056ME-0101A)			100	N/A	N/A	24	Intermittent
02	Main flare (056ME-0101B)			100	N/A	N/A	24	Intermittent
03	Main flare (256ME-0101A)			100	N/A	N/A	24	Intermittent
04	Main flare (256ME-0101B)			100	N/A	N/A	24	Intermittent
05	Ammonia flare (057ME-0110)			20	N/A	N/A	24	Intermittent
06	Ammonia flare (257ME-0110)			20	N/A	N/A	24	Intermittent

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Unique ID	Source name	Latitude (decimal degrees)	Longitude (decimal degrees)	Height of Release above the ground (m)	Length of Area (m)	Width of Area (m)	Emission hours	Type of emission
07	Non-acidic chemical burner (051ME-0110-0114)			2	N/A	N/A	24	Intermittent
08	Evergreen flare (256ME-0108)			2	N/A	N/A	24	Intermittent

## 7 APPLIANCES AND MEASURES TO PREVENT AIR POLLUTION

### 7.1 Appliances and control measures

Associated Source Code	Appliances		Abatement Equipment Control Technology							
	Appliance / Process Equipment Number	Appliance Type / Description	Abatement Equipment Name and Model	Abatement Equipment Technology and Manufacture Date	Commission Date	Date of Significant Modification / Upgrade	Technology Type	Design Capacity	Minimum Control Efficiency (%)	Minimum Utilisation (%)
None										

### 7.2 Point Source – maximum emission rates (under normal working conditions)

Point Source Code	Pollutant Name	Maximum Release Rate			Average Period	Duration of Emissions
		(mg/Nm <sup>3</sup> ) under normal conditions of 273 Kelvin and 101,3 kPa	Compliance Timeframe	Duration of Emissions		
Vapour Recovery Stack	Total VOC's from vapour recovery/destruction units using non-thermal treatment	N/A	01 April 2015 to 31 March 2020	Daily	Continuous	
		N/A	01 April 2020 to 31 March 2025	Daily	Continuous	
		40 000	From 1 April 2025	Daily	Continuous	

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(a) The following transitional arrangement shall apply for the storage and handling of raw materials, intermediate and final products with a vapour pressure greater than 14kPa at operating temperature: - Leak detection and repair (LDAR) program must be reviewed, updated and submitted to the Licensing Authority for approval three (03) months after issue of the licence.

\*(b) The following transitional and special arrangements shall apply for control of TVOC's from storage of raw materials, intermediate and final products with a vapour pressure of up to 14kPa at operating temperature, except during loading and offloading. (Alternative control measures that can achieve the same or better results may be used)-  
 (i) Storage vessels for liquids shall be of the following type:

Application	All permanent immobile liquid storage facilities at a single site with a combined storage capacity of greater than 1000 cubic meters
True vapour of contents at product storage temperature	Type of tank or vessel
Type 1: Up to 14 kPa	Fixed roof tank vented to atmosphere, or as per Type 2 and 3
Type 2: Above 14kPa and up to 91 kPa with a throughput of less than 50 000 m3 per annum	Fixed roof tank with pressure vacuum vents fitted as a minimum to prevent 'breathing' losses or as per Type 3
Type 3: Above 14 kPa up to 91 kPa with a throughput of greater than 50 000 m3 per annum	External floating roof tank with primary rim seal and secondary rim seal for tank with diameter greater than 20m, or fixed roof tank with internal floating deck / roof fitted with primary seal, or fixed roof tank with vapour recovery system.
Type 4: Above 91 kPa	Pressure vessel.

- (ii) The roof legs, slotted pipes and/or dipping well on floating roof tanks (except for domed floating roof tanks or internal floating roof tanks) shall have sleeves fitted to minimize emissions.
- (iii) Relief valves on pressurized storage should undergo periodic checks for internal leaks. This can be carried out using portable acoustic monitors or if venting to atmosphere with an accessible open end tested with a hydrocarbon analyser as part of the LDAR programme.

\*A postponement of compliance timeframe with the minimum emission standards for new plant was granted from 01 April 2020 to 31 March 2025 on condition that a detailed plan and schedule for retrofit is provided to Department of Environmental Affairs, Forestry and Fisheries and Gert Sibande District Municipality. Emissions are to be incorporated into the site fugitive emissions monitoring and management plan during this period.

  
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7.3 Point source – maximum emission rates (under start-up, maintenance and shut-down conditions)

Point Source Code	Pollutant Name	Maximum Release Rate		Averaging Period	Maximum Gas Volumetric Flow (m <sup>3</sup> /hr)	Maximum Gas Exit Velocity (m/s)	Emission Hours	Maximum Permitted Duration of Emissions
		(mg/Nm <sup>3</sup> )	Date to be Achieved By					
All Point Source Code	All Point Source Pollutant	N/A	N/A	N/A	N/A	N/A	N/A	Within 48 hours after commissioning of plant or equipment

Should normal start-up, maintenance, upset and shut-down conditions exceed a period of 48 hours, Section 30 of the National Environmental Management, 1998 (Act No. 107 of 1998), shall apply unless otherwise specified by the Licensing Authority.

7.4 Point source – emission monitoring and reporting requirements

*Point Source code	Emission Sampling /Monitoring Method	Sampling Frequency	Sampling Duration	Parameters to be Measured	Parameters to be Reported	Reporting Frequency	Conditions under which Monitoring could be Stopped
*Vapour Recovery Stack	Facility to comply with Annexure A of NEMAQA	In line with No. 37054 Government Gazette November 2013	In line with No. 37054 Government Gazette November 2013	In line with No. 37054 Government Gazette November 2013	In line with No. 37054 Government Gazette November 2013	In line with No. 37054 Government Gazette November 2013.	Only on written authorisation by the Licensing Authority

\*Emissions are to be incorporated into the site fugitive emissions monitoring and management plan from 01 April 2020 to 31 March 2025.

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7.5 Area 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 Efficiency	Method of Monitoring Measures Effectiveness	Contingency Measures
*Storage Tanks	All regulated storage tanks	A detail plan to manage fugitive emissions to be incorporated into the site fugitive emissions monitoring and management plan.	Immediately	Quarterly reports to Licensing Authority on the implementation of the site fugitive monitoring and management plan.	In line with Sasol approved site fugitive emissions monitoring and management plan.
Flares	All regulated flares	Flares Management Plan.	Immediately	Quarterly reports to Licensing Authority on product flow, volume, sources and reasons for flaring	In line with Sasol flaring management plan.

\*Reporting of the storage tanks must be in terms of the site fugitive monitoring and management plan from 01 April 2020 to 31 March 2025.



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#### 7.6.4. Investigation

Investigation	Purpose	Completion Date
Baseline information on vapour pressure, throughput and total volatile organic compound (TVOC) emissions, as defined in the Minimum Emission Standards	To determine the type of storage and the associated special arrangements required for each tank and loading facility.	02 March 2021
Evaluate operations and emissions from flares	<ol style="list-style-type: none"> <li>1. To evaluate the various streams being flared in order to confirm whether flaring is the most suited technology.</li> <li>2. Investigate possibility of measuring emissions originating from flaring to determine whether a baseline for flaring can be established.</li> <li>3. Subsequent to emission baseline, engage licensing authority on baseline findings to finalise emissions and reporting requirements if applicable.</li> </ol>	02 March 2021

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

Source Code / Name	Waste / Effluent Type	Hazardous Components Present	Method of Disposal
N/A			

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

Failure to comply with the any of the above condition and requirements in terms of Chapter 7 Section 51 including Chapter 8 Section 53 - 55 of NEMAQA (Act no. 39 of 2004) is a breach of the Licence conditions, and the Licence holder will be subject to the sanctions set out in Chapter 7 Section 52 of NEMAQA (Act no. 39 of 2004), Chapter 10, Section 89 of the National Health Act 61 of 2003, Chapter 7 Section 28,32,33 and 34 of the National Environmental Management Act 108 of 1998, Chapter 16, section 151 of the National Water Act, and Chapter 7 section 68 of the National Waste Management Act, including any penalties contained in the By-laws.

#### 10. APPEAL OF LICENCE

10.1 The Licence Holder must notify every registered interested and affected party, in writing and within ten (10) days, of receiving the District's decision.

10.2 The notification referred to in 10.1. must –

10.2.1 Inform the registered interested and affected parties of the appeal procedure provided for in Chapter 7 Part 3 Section 62 of Municipal Systems Act (Act 32 of 2000), as amended;

10.2.2 Advise the interested and affected parties that a copy of the Atmospheric Emission Licence

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## **7.6. Routine reporting and record-keeping**

### **7.6.1 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 quarterly, report to the licensing 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.

### **7.6.2 Emergency Incidents**

The licence holder must keep record of all plant failure or emergency incidents including section 30 and submit to the licence authority quarterly a report detailing the following:

- a) Type of plant and summary description of the equipment
- b) Reasons for failure or cause
- c) Previous occurrence on the same plant and number of times similar incident occurred
- d) Mitigation instituted to prevent similar occurrence
- e) Any breach of internal standard operating procedure
- f) Number of times similar incident occurred

### **7.6.3 Annual reporting**

The licence holder must complete and submit to the licensing authority an annual report after the facility annual financial year, 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 sixty (60) days after the end of each reporting period. The annual report must include, amongst others the following:

- (a) NEM: AQA Section 21 pollutant emissions trend for listed activity;
- (b) External compliance audit report (s);
- (c) Major upgrades projects (i.e. abatement equipment or process equipment);
- (d) Greenhouse gas emissions annual report in line with the National Greenhouse Gas Emission Reporting Regulations No. 40762 Government Gazette 03 April 2017;
- (e) Action taken to address complains received;
- (f) Compliance status to statutory obligation (4.5) including any other issued authorisations.

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

  
**LICENSING OFFICER**

and reasons for the decision will be furnished on request;

- 10.2.3 An appeal against the decision must be lodged in terms of Chapter 7 Part 3 Section 62 of Municipal Systems Act (Act 32 of 2000), from the date of issue of this Atmospheric Emission Licence, with:  
Municipal Manager,  
PO Box 1748,  
Ermelo  
2350  
Fax No. 017-811 1207;  
And

10.3. Specify the date on which the Atmospheric Emission Licence was issued.

#### 11. REVIEW OF ATMOSPHERIC EMISSION LICENCE

In terms of -chapter 5 (44) (45) (46) (47) NEMAQA (Act No. 39 of 2004), Atmospheric Emission Licence is valid for 5 years from date of first issue of the Atmospheric Emission Licence. The licence will be reviewed within five (05) years from date of issue, after which it will or will not be amended.

  
LICENSING OFFICER

# Gert Sibande District Municipality

Please address all correspondence to:

The Municipal Manager

P O Box 1748  
ERMELO  
2350

Corner Joubert & Oosthuise Street  
ERMELO  
2350



Office hours:

Mondays to Thursdays  
07:30 – 13:00 / 13:30 – 16:00  
Fridays: 07:30 – 14:00

Tel.: (017) 801 7000  
Fax: (017) 811 1207

Website: [www.gsibande.gov.za](http://www.gsibande.gov.za)  
e-mail: [records@gsibande.gov.za](mailto:records@gsibande.gov.za)

## OFFICE OF THE MUNICIPAL MANAGER

**Enquiries:** Mr. TD Hlanyane (017 801 7000)

**Our Ref:** 16/4/Govan Mbeki/Sasol Oil (Pty) Ltd- Sasol Energy Secunda Tank Farm/0019/2020/F03

**Date:** 02 March 2020

**Sasol Oil (Pty) Ltd - Sasol Energy Secunda Tankfarm**

Private Bag X1000  
Secunda  
2302

**Attention: Mr. Hannes Buys**

Dear Sir

**ATMOSPHERIC EMISSION LICENCE IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT:  
AIR QUALITY ACT, 2004 (ACT NO. 39 OF 2004) AS AMENDED.**

With reference to your application dated **02 March 2019**, enclosed, herewith, Atmospheric Emission Licence No **Govan Mbeki/Sasol Oil (Pty) Ltd- Sasol Energy Secunda Tank Farm/0019/2020/F03** dated **02 March 2020** in respect of the **Sasol Oil (Pty) Ltd - Sasol Energy Secunda Tankfarm**

Your attention is drawn to the following conditions for licence issue –

- a. Chapter 5, Section 42 of the Act, Issuing of Atmospheric Emission Licence  
And
- b. Chapter 5, Section 43 of the Act, Content of Provisional Atmospheric Emission Licence and Atmospheric Emission Licence.

### 1. SITUATION AND EXTENT OF PLANT

#### Situation

PDP Kruger, Secunda, Govan Mbeki Local Municipality, Gert Sibande District, Mpumalanga.

#### Extent

24.05 km<sup>2</sup>

2. NATURE OF PROCESS AND LISTED ACTIVITIES IN TERMS OF SECTION 21

Listed Activity Number	Category of Listed Activity	Sub-category of the listed activity	Description of the Listed Activity
2.4	Petroleum Industry	Storage and Handling of Petroleum Products	Petroleum product storage tanks and product transfer facilities
6	Organic Chemical Industry	N/A	The production, or use in production of organic chemicals not specified elsewhere including acetylene, acetic, maleic or phthalic anhydride or their acid, carbon disulphide, pyridine, formaldehyde, acetaldehyde, acrolein and its derivatives, acrylonitrile, amines and synthetic rubber. The production of organometallic compounds, organic dyes and pigments, surface-active agents. The polymerisation or co-polymerisation of any unsaturated hydrocarbons, substituted hydrocarbon (including vinyl chloride). The manufacture, recovery or purification of acrylic acid or any ester of acrylic acid. The use of toluene di-isocyanate or other di-isocyanate of comparable volatility or recovery of pyridine.

Yours Faithfully



MR. CA HABILE  
MUNICIPAL MANAGER



**GERT SIBANDE DISTRICT MUNICIPALITY**

**NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004  
(ACT NO. 39 OF 2004)**

*Atmospheric Emission Licence*

**Concerning Listed Activities**

**Sasol Oil Proprietary (Pty) Limited (Ltd) - Sasol Energy Secunda Tankfarm**

Is authorized to continue the processes listed below, with the equipment and plant as detailed in licence conditions of licence no. **Govan Mbeki/Sasol Oil (Pty) Ltd- Sasol Energy Secunda Tank Farm/0019/2020/F03** on the premises known as **PDP Kruger, Secunda, Govan Mbeki Local Municipality, Gert Sibande District, Mpumalanga.**

Listed Activity Number	Category of Listed Activity	Sub-category of the listed activity	Description of the Listed Activity
2.4	Petroleum Industry	Storage and Handling of Petroleum Products	Petroleum product storage tanks and product transfer facilities
6	Organic Chemical Industry	N/A	The production, or use in production of organic chemicals not specified elsewhere including acetylene, acetic, maleic or phthalic anhydride or their acid, carbon disulphide, pyridine, formaldehyde, acetaldehyde, acrolein and its derivatives, acrylonitrile, amines and synthetic rubber. The production of organometallic compounds, organic dyes and pigments, surface-active agents. The polymerisation or co-polymerisation of any unsaturated hydrocarbons, substituted hydrocarbon (including vinyl chloride). The manufacture, recovery or purification of acrylic acid or any ester of acrylic acid. The use of toluene di-isocyanate or other di-isocyanate of comparable volatility or recovery of pyridine.

  
**LICENSING AUTHORITY**

**Govan Mbeki/Govan Mbeki/Sasol Oil (Pty) Ltd- Sasol Energy Secunda Tank Farm/0019/2020/F03** **Date: 02 March 2020**