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REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR AN ATMOSPHERIC EMISSION LICENCE/PROVISIONAL ATMOSPHERIC EMISSION LICENCE IN TERMS OF CHAPTER 5 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, 2004 (ACT 39 OF 2004)

(This application (hard copy and one electronic) must be submitted with three additional hard copies to the Atmospheric Licensing Authority.)

This page must be completed and signed by the highest on-site authorising person.

Name of enterprise:

Declaration of accuracy of information provided:

Application for an atmospheric emission licence/provisional atmospheric emission licence as envisaged in chapter 5 of the National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004)

I, _____, declare that the information provided in this application or attached to the application is, to the best of my knowledge, in all respects factually true and correct. I am aware that the supply of false or misleading information in the application form is a criminal offence in terms of section 51(1)(f) of the Act.

Signed at _____ on this day _____ of _____

SIGNATURE

CAPACITY OF SIGNATORY

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Please complete all sections. Mark with an X in spaces where applicable. If the space provided is insufficient, the required information may be submitted in the form of a memorandum. Attach required maps and sketches. Graphics must be clear, labeled and, where applicable, include a true north arrow and scale.

1 REASON FOR APPLICATION

Application for:

	New plant		Change in releases		
	Change in production		Other, specify:		

Date(s) for start of new activity, change of production, etc:	
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Current APPA registration certificate number (if applicable):	
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2 ENTERPRISE INFORMATION

Entity name:	
Trading as:	
Type of entity, eg company, close corporation, trust:	
Company, close corporation or trust registration number (registration numbers if a joint venture):	
Registered address:	
Postal address:	
Telephone number (general):	
Fax number (general):	
Company website:	
Industry type/nature of trade:	
Name of the landowner(s) or landlord(s):	
Name of mortgage bondholder(s) (if any):	
Deeds Office registration number of mortgage bond:	
Land use zoning as per town-planning scheme:	
Land use rights if outside town-planning scheme:	

Responsible person's name:	
Responsible person's postal address:	
Telephone number:	
Cell phone number:	
Fax number:	
Email address:	
After-hours contact details:	
Name of safety, health and environmental official:	

3 SITUATION AND EXTENT OF PLANT

3.1 Location and extent of plant

Physical address of the licensed premises:	
Description of site (where no street address):	
Property registration number (Surveyor-General code):	
Coordinates (latitude, longitude) of approximate centre of operations (decimal degrees):	Latitude: Longitude:
Coordinates (UTM) of approximate centre of operations:	UTM reference – grid zone: North-south: East-west:
Extent (km ²):	
Elevation above mean sea level (m):	
Province:	
District/metropolitan municipality:	
Local municipality:	
Designated priority area (if applicable):	

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

Provide a description of the surrounding land use within a 5 km radius, specifically noting the names and proximity of residential and commercial areas in relation to the site of the works.

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

4 NATURE OF THE PROCESS

4.1 Process description

Please provide a detailed description of the entire production process including reference to the overall balance sheet of inputs, outputs and emissions at the site of the works.

4.2 Listed processes

List all listed processes, as specified in the Air Quality Act, proposed for the premises in terms of this application:

Process number:	Listed process description:

List the scheduled process(es), as specified in the second schedule of the APPA, currently conducted at the premises by the applicant and the applicable APPA registration certificate number(s):

APPA registration certificate number:	Date of registration certificate:	Scheduled process number:	Scheduled process description:

4.3 Unit processes

List all unit processes associated with the scheduled processes in operation at the premises of the registration certificate holder, highlighting processes proposed in respect of this application:

Unit process	Function of unit process	Batch or continuous process

4.4 Hours of operation

Specify the hours of operation of all unit processes associated with the scheduled processes in operation at the premises of the registration certificate holder, highlighting processes proposed in respect of this application:

Unit process/plant	Operating hours (eg 07:00 – 17:00)	No of days in operation per year

4.5 Graphical process information

Attach the following for the entire operation being undertaken at the site of the works:

- Simplified block diagram with the name of each unit process in a block, showing links between all unit processes or blocks;
- Process flow chart(s) clearly indicating inputs, outputs and emissions at the site of works, including points of potential fugitive emissions and emergency releases; and
- Site layout diagram (plan view and to scale) indicating location of unit processes, plants, buildings, stacks, stockpiles and roads (include true north arrow and scale).

Indicate clearly on the above graphics the process(es) applied for in this application. Alternatively, provide additional graphics for the process(es) applied for.

5 RAW MATERIALS AND PRODUCTS

Provide production and by-production rates, raw material information and emissions information.

5.1 Raw materials used

Raw material type	Maximum permitted consumption rate (volume)	Design consumption rate (volume)	Actual consumption rate (volume)	Units (quantity/period)

5.2 Production rates

Production name	Maximum production capacity permitted (volume)	Design production capacity (volume)	Actual production capacity (volume)	Units (quantity/period)

By-product name	Maximum production capacity permitted (volume)	Design production capacity (volume)	Actual production capacity (volume)	Units (quantity/period)

5.3 Energy sources used

Energy source	Sulphur content of fuel (%) (if applicable)	Ash content of fuel (%) (if applicable)	Maximum permitted consumption rate (volume)	Design consumption rate (volume)	Actual consumption rate (volume)	Units (quantity/period)

5.4 Sources of atmospheric emission

5.4.1 Point source parameters

Point source code	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 ³ /hr)	Actual gas exit velocity (m/s)

Point source code	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 (m³/hr)	Actual gas exit velocity (m/s)

5.4.2 Point source emissions

Point source code	Pollutant name	Maximum hourly release rate			Maximum daily release rate			Average annual release rate			Emission hours (eg 07:00 – 17:00)	Type of emission (continuous/ routine but intermittent/ emergency only)
		(mg/Nm ³)	(mg/Am ³)	(g/s)	(mg/Nm ³)	(mg/Am ³)	(tons/day)	(mg/Nm ³)	(mg/Am ³)	(tpa)		

Point source code	Pollutant name	Maximum hourly release rate			Maximum daily release rate			Average annual release rate			Emission hours (eg 07:00 – 17:00)	Type of emission (continuous/ routine but intermittent/ emergency only)
		(mg/Nm ³)	(mg/Am ³)	(g/s)	(mg/Nm ³)	(mg/Am ³)	(tons/day)	(mg/Nm ³)	(mg/Am ³)	(tpa)		

5.4.5 Area source emissions

Area source code	Pollutant name	Maximum hourly release rate (g/s)	Maximum daily release rate (tons/day)	Average annual release rate (tons/annum)	Emission hours (eg 07:00 – 17:00)	Type of emission (continuous/ intermittent)	Wind dependent (yes/no)

5.4.7 Spatial representation of processes and sources

Attach the site layout diagram(s) (plan view and to scale, include true north arrow and scale) indicating:

- location of unit processes, plants, buildings, stacks, stockpiles and roads; and
- location of point and area sources listed with source codes specified.

Indicate clearly on the above graphics the process(es) applied for in this application. Alternatively, provide additional graphics for the process(es) applied for.

6 APPLIANCES AND MEASURES TO PREVENT AIR POLLUTION

6.1 Appliances and control measures

Provide information on appliances and measures implemented to prevent air pollution for the entire operation at the site of the works, highlighting information for the process(es) proposed in respect of this application.

Appliances				Air pollution control technology								Associated source code
Appliance/ process equipment number	Appliance type/ description	Appliance serial number	Appliance manufacture date	Product name and model	Technology type	Commission date	Date of significant modification/ upgrade	Design capacity	Nominal capacity	Permitted minimum control efficiency (%)	Permitted minimum utilisation (%)	

6.3 Point source – emission monitoring and reporting requirements

Provide information on emission monitoring and reporting requirements specified in currently held APPA registration certificates (as applicable) for existing operations at the site of the works.

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

6.4 Area source – management and mitigation measures

Provide information on management and mitigation measures specified in currently held APPA registration certificates (as applicable) for existing operations at the site of the works.

Area source code	Description of specific measures	Required control efficiency (%)	Time frame for achieving required control efficiency	Method of monitoring measure effectiveness	Contingency measure

6.6 Environmental management system

Permit holders are required to establish an environmental management system (EMS) that gives effect to the principle of continuous improvement. The EMS must at least provide for the actions listed below. Specify dates by which the following actions have been/will be taken for the entire operation at the site of the works:

Item	Action	Date completed/due date
1	Identify and quantify potential for environmental impacts.	
2	Prioritise the identified impacts.	
3	Identify appropriate preventative and corrective actions.	
4	Develop responsive management controls, systems and procedures.	
5	Identify improvement projects to be added to the five-year Environmental Improvement Programme.	

6.7 Ambient air pollution monitoring

List ambient air pollution monitoring activities currently being conducted at the site of the work.

Monitoring location	Pollutant to be measured	Monitoring/sampling method	Monitoring frequency	Monitoring duration	Target	Reporting frequency	Conditions under which monitoring could cease

List ambient air pollution monitoring activities proposed for the planned process(es) being applied for (if applicable).

Monitoring location	Pollutant to be measured	Monitoring/sampling method	Monitoring frequency	Monitoring duration	Target	Reporting frequency	Conditions under which monitoring could cease

6.8 Energy conservation measures

List activities to improve energy utilisation and efficiency that are currently implemented at the site of the works, highlighting proposed measures to be implemented in respect of the proposed process(es).

Energy conservation measure	Date implemented/to be implemented	Target	Date by which to achieve the target	Progress monitoring and reporting method

6.9 Cleaner production targets

List cleaner production measures that are currently implemented at the site of the works, highlighting proposed measures to be implemented in respect of the proposed process(es).

Cleaner production measure	Date implemented/to be implemented	Target	Date by which to achieve the target	Progress monitoring and reporting method

6.10 Routine reporting and record-keeping

6.10.1 Complaints register

Is a complaints register maintained for the operation?

Yes	
No	
To be initiated by _____ (date).	

If a complaints register is maintained, please provide a synopsis of complaints received over the past two years.

	Nature of complaints	Actions taken to investigate complaints	Causes of complaints identified	Measures taken to avoid reoccurrences where the plant's operations were found to be the cause
Current year				
Previous year				

6.10.2 Non-compliance with current registration certificate conditions

If APPA registration certificates are currently held, summarise instances of non-compliance with the conditions of such registration certificates over the past two years.

Source code/ name	Pollutant released	Emission limit exceeded	Root cause analysis	Measures implemented to prevent recurrence	Date by which measures were/will be implemented

7 DISPOSAL OF WASTE AND EFFLUENTS ARISING FROM AIR POLLUTION MITIGATION MEASURES

Provide the following information for any waste and effluent arising from any air pollution mitigation measures that are currently in place at the site of the works.

Source code/name	Waste/effluent type	Hazardous components present	Method of disposal	Registration/permit/licence status

Provide information on any waste and effluent that will arise from air pollution mitigation measures proposed for implementation for the process(es) dealt with in this application

Source code/name	Waste/effluent type	Hazardous components present	Method of disposal	Registration/permit/licence status

