

KAAPSE WYNLAND DISTRIKSMUNISIPALITEIT CAPE WINELANDS DISTRICT MUNICIPALITY UMASIPALA WESITHILI SASECAPE WINELANDS

MUNICIPAL HEALTH SERVICES

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APPLICATION FORM FOR REGISTRATION/PROVISIONAL REGISTRATION OF LISTED ACTIVITIES IN RESPECT OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT, ACT 39 OF 2004

Atmospheric Emission Licensing Applications should be submitted to the following address:

The Municipal Manager Cape Winelands District Municipality P.O.Box 91 WORCESTER 6849

Attention: Air Quality Officer

Administration Office 51 Trappes Street WORCESTER

Name of firm:		
Declaration of accuracy of information	provided:	
I hereby make application in terms of secti Air Quality Act, 2004 (Act No. 39 of 200 Activities and in support thereof, submit the	("the Act"), in respect in res	•
I,		at the information
Signed in of		day
SIGNATURE OF THE CHIEF EXECUTIVE	E OFFICER OR EQUIVALENT	-
CAPACITY OF APPLICANT		

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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, should include a true north arrow and scale.

1. REASON FOR APPLICATION

Application for:	

	New plant		
	Change in production		
	Change in releases		
	Other, specify:		
Date	Date(s) for start of New Activity, Change of Production, etc.		
Curre	Current Atmospheric Emission License number (if applicable):		

2. ENTERPRISE INFORMATION

Company Name:	
Trading as:	
Company/Close Corporation/Trust Registration Number (Registration Numbers if Joint Venture):	
Company Registered Address:	
Company 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 Name:	
Responsible Person Post:	
Telephone Number:	
Cell Phone Number:	
Fax Number:	
E-mail Address:	
Name of Safety, Health and Environmental Official:	
Telephone Number:	
Cell Phone Number:	
Fax Number:	
E-mail Address:	
After Hours Contact Details:	

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 Center of Operations	Latitude:
(Decimal Degrees):	Longitude:
Coordinates (UTM) of Approximate	North-south:
Center of Operations:	East-west:
Extent (km²):	
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 location of premises in relation to surrounding community.

4. NATURE OF 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 ACTIVITIES

List all Listed Activities, as specified in the Government Notice No. 893 of 2013, as amended in the Government Notice No. 551 of 2015, for Section 21 of the AQA, proposed to be conducted at the premises in terms of this application:

Listed Activity Category	Listed Activity subcategory	Listed Activity Description:

4.3. UNIT PROCESSES

List all unit processes in operation at the premises by the License Holder, highlighting processes proposed in respect of this application:

Unit Process	Function of Unit Process	Batch or Continuous Process

4.4. HOURS OF OPERATION

Provide the hours of operation of all unit processes in operation at the premises by the License Holder, <u>highlighting processes proposed in respect of this application</u>:

Unit Process / Plant	Operating Hours (e.g. 07h00 – 17h00)	No. Days 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.
- 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 for the entire operation at the site of the works, <u>highlighting</u> information for process(es) proposed in respect of this application.

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

5.2.1. Product Production Rates

Production Name	Maximum Production Capacity Permitted (Volume)	Design Production Capacity (Volume)	Actual Production Capacity (Volume)	Units (quantity/period)

5.2.2. By-product Production Rates

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 (m³/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			Maxim	um Daily Releas	se Rate	Averag	e Annual Relea	se Rate	Emission Hours (e.g. 07h00 – 17h00)	Type of Emission (Continuous / routine but intermittent /
		(mg/Nm³)	(mg/Am³)	(g/s)	(mg/Nm³)	(mg/Am³)	(tons/day)	(mg/Nm³)	(mg/Am³)	(tpa)	17h00)	emergency only)

Pollutant Name	Maximum Hourly Release Rate			Maxim	Maximum Daily Release Rate			Average Annual Release Rate			Type of Emission (Continuous / routine but intermittent /
	(mg/Nm³)	(mg/Am³)	(g/s)	(mg/Nm³)	(mg/Am³)	(tons/day)	(mg/Nm³)	(mg/Am³)	(tpa)	17h00)	emergency only)
	Pollutant Name	Name	Name	Name	Name	Name	Name	Name	Name	Name	Name (e.g. 07h00 –

5.4.3. Point Source Emission Estimation Information

Point Source code	Basis for Emission Rates

Point Source code	Basis for Emission Rates

5.4.4. Area and/or Line Source Parameters

Area Source code	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)	Angle of Rotation from True North (°)

Area Source code	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)	Angle of Rotation from True North (°)

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 (e.g. 07h00 – 17h00)	Type of Emission (Continuous / intermittent)	Wind Dependent (yes/no)

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 (e.g. 07h00 – 17h00)	Type of Emission (Continuous / intermittent)	Wind Dependent (yes/no)

5.4.6. Area Source Emission Estimation Information

Area Source code	Basis for Emission Rates

5.4.7. Spatial Representation of Processes and Sources

Attach 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.
- 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, <u>highlighting information for process(es)</u> proposed in respect of this application.

	Appliances			Air Pollution Control Technology								
Source Code	Appliance Type / Description	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 Utilization (%)	

	Appliances			Air Pollution Control Technology								
Source Code	Appliance Type / Description	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 Utilization (%)	

6.2. Point Source – Permissible Emission Rates

Provide information on emission rates specified in currently held Atmospheric Emission Licenses (as applicable) for existing operations at the site of the works.

Point Source	Pollutant Name	Maximum Pe	ermissible F Rate	Hourly Release	Maximum Pe	Maximum Permissible Daily Release Rate			missible Annua	al Release Rate	Permitted Emission Hours	Permitted Duration
code		(mg/Nm³)	(g/s)	Date to be Achieved By	(mg/Nm³)	(tons/day)	Date to be Achieved By	(mg/Nm³)	(tpa)	Date to be Achieved By	(e.g. 07h00 – 17h00)	of Emissions

Point Source	Pollutant Name	Maximum Pe	ermissible F Rate	Hourly Release	Maximum Pe	rmissible Daily	Release Rate	Average Per	missible Annua	al Release Rate	Permitted Emission Hours	Permitted Duration
code		(mg/Nm³)	(g/s)	Date to be Achieved By	(mg/Nm³)	(tons/day)	Date to be Achieved By	(mg/Nm³)	(tpa)	Date to be Achieved By	(e.g. 07h00 - 17h00)	of Emissions

6.3. Point Source – Emission Monitoring and Reporting Requirements

Provide information on emission monitoring and reporting requirements specified in currently held Atmospheric Emission Licenses (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

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 Atmospheric Emission Licenses (as applicable) for existing operations at the site of the works.

Area Source code	Description of Specific Measures	Required Control Efficiency (%)	Timeframe for Achieving Required Control Efficiency	Method of Monitoring Measure Effectiveness	Contingency Measure

Area Source code	Description of Specific Measures	Required Control Efficiency (%)	Timeframe for Achieving Required Control Efficiency	Method of Monitoring Measure Effectiveness	Contingency Measure

6.5. Abnormal Releases and Emergency Responses

List potential abnormal releases and associated emergency responses related to the operations at the site of the works, highlight possible releases and responses for the proposed process(es) in respect of the current application.

Unit Process	Description of Nature of Potential Abnormal Release (e.g. leakage, technology outage, etc.)	Pollutant(s) Released	Briefly Outline Emergency Procedures

6.6. Environmental Management System

Permit holders are required to establish an Environmental Management System that gives effect to the principle of continuous improvement. The EMS must as a minimum 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	Priorities 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 5-Year Environmental Improvement Programme.	

6.7. Ambient Air Pollution Monitoring

List ambient air pollution monitoring activities currently being conducted at the site of the works:

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 to be conducted 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 utilization and efficiency which 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 Target	Progress Monitoring & Reporting Method

6.9. Cleaner Production Targets

List cleaner production measures which 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 Target	Progress Monitoring & 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:	

In the event that a complaints register is maintained, please provide a synopsis of complaints received over the past 2 years:

	Nature of complaints	Actions taken to investigate complaints	Causes of complaints identified	Measures taken to avoid reoccurrences in instances 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 Atmospheric Emission Licenses are currently held, summarise instances of non-compliance with the conditions of such registration certificates which have occurred 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 POLLUTIN 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 / License Status

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

Source code / name	Hazardous Components Present	Method of Disposal	Registration / Permit / License Status