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Department:
Economic Development, Environment, Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA



AgriCentre Building
Cnr. Dr. James Moroka
and Stadium Rd
Private Bag X2039
Mmabatho 2735

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES

DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Name: Phethi Mpho
Tel: +27 (18) 389 5244
E-mail: mpthethi@nwpg.gov.za

SUB-DIRECTORATE: AIR QUALITY MANAGEMENT

NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT NO 39 OF 2004 ATMOSPHERIC EMISSION LICENCE FOR A LISTED ACTIVITY

This Atmospheric Emission Licence issued to **Supreme Poultry (Pty) Ltd** in terms of section 47(1) read with section 40(1)(a) of the National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004 ("the Act"), in respect of Listed Activity Category 4 Sub Categories: 10; of the Section 21 to the Act. The Atmospheric Emission Licence has been issued on the basis of information provided in the company's application dated **18 March 2020** and proof of processing fee payment received on **13 December 2019** together with information that became available during processing of the application.

The Atmospheric Emission Licence is valid for a period of five (5) years from the date of signature of this licence.

The Atmospheric Emission Licence is issued subject to the conditions set out below which form part of the Atmospheric Emission Licence and which are binding on the holder of the Atmospheric Emission Licence ("**Supreme Poultry (Pty) Ltd**")

Signature

Provincial Air Quality Officer

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1. ATMOSPHERIC EMISSION LICENCE ADMINISTRATION

Name of the Licensing Authority:	North West Province: Department of Economic Development, Environment, Conservation and Tourism
Atmospheric Emission Licence Number:	NWPG/ SUPREME/ AEL 10 /JULY 2020
Atmospheric Emission Licence Issue Date:	21 July 2020
Atmospheric Emission Licence Type	Atmospheric Emission Licence
Provincial Air Quality Officer:	Portia Krisjan
Review Date, not later than:	30 January 2025
Expiry Date:	30 July 2025

Signature.....

Provincial Air Quality Officer

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2. REGISTRATION CERTIFICATE HOLDER DETAILS

Entity Name:	Supreme Poultry (Pty) Ltd
Trading as:	Supreme Poultry
Type of Entity, e.g. Company/Close Corporation/Trust, etc:	Company
Company/Close Corporation/Trust Registration Number (Registration Numbers if Joint Venture):	2006/01/017360/07
Registered Address:	18 James Watt Crescent, Industrial Site, Mahikeng
Postal Address:	Postnet Suite 73. Private bag X2230, Mahikeng, 2791
Telephone Number (General):	018 381 4110
Fax Number (General):	086 649 1268
Company Website:	www.supremepoultry.co.za
Industry Type/Nature of Trade:	Animal Matter Processing
Name of the Landowner/s or Landlord/s:	Supreme Poultry
Name of Mortgage Bondholder/s (if any):	Supreme Poultry
Deeds Office Registration Number of Mortgage Bond:	Reg No. 2006/071360/07
Land Use Zoning as per Town Planning Scheme:	Industrial area
Land Use Rights if outside Town Planning Scheme:	Not applicable

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Responsible Person Name:	Hermann Brelage
Responsible Person Post:	Group Engineer
Telephone Number:	018 469 4221 / 018 381 4110
Cell Phone Number:	084 754 7175
Fax Number:	086 649 1268
E-mail Address:	hbrelage@countrybird.co.za
After Hours Contact Details:	084 754 7175
Emission Control Officer	Sharle Bezuidenhout

3. SITUATION AND EXTENT OF PLANT

3.1. Location and Extent of the Plant

Physical Address of the Licenced Premises:	18 James Watt Crescent, Industrial Site, Mahikeng
Description of Site (Where No Street Address):	Mahikeng Industrial Site
Property Registration Number (Surveyor-General Code):	9907/2019
Coordinates (latitude, longitude) of Approximate Center of Operations (Decimal Degrees):	Latitude: -25.840516 Longitude: 25.628697

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Coordinates (UTM) of Approximate Center of Operations:	UTM reference – Grid Zone: North-south: 7141260.89 S East-west: 362570.23 E
Extent (km ²):	Supreme Poultry: 31 202.5 m ² , 0.031 km ² Rendering operation: 1722 m ² , 0 km ²
Elevation Above Mean Sea Level (m)	1286
Province:	North West Province
District/Metropolitan Municipality:	Ngaka Modiri Molema
Local Municipality:	Mahikeng
Designated Priority Area (if applicable):	N/A

3.2. Description of Surrounding Land Use (within 5 km radius)

Supreme Poultry sits on the western border of the Mahikeng industrial area in the town of Mahikeng. The land use surrounding the Mahikeng industrial area comprises of residential developments, schools and commercial activities. Refer to the figure below for a list and map of sensitive receptors within a 5 km radius of the rendering facility.

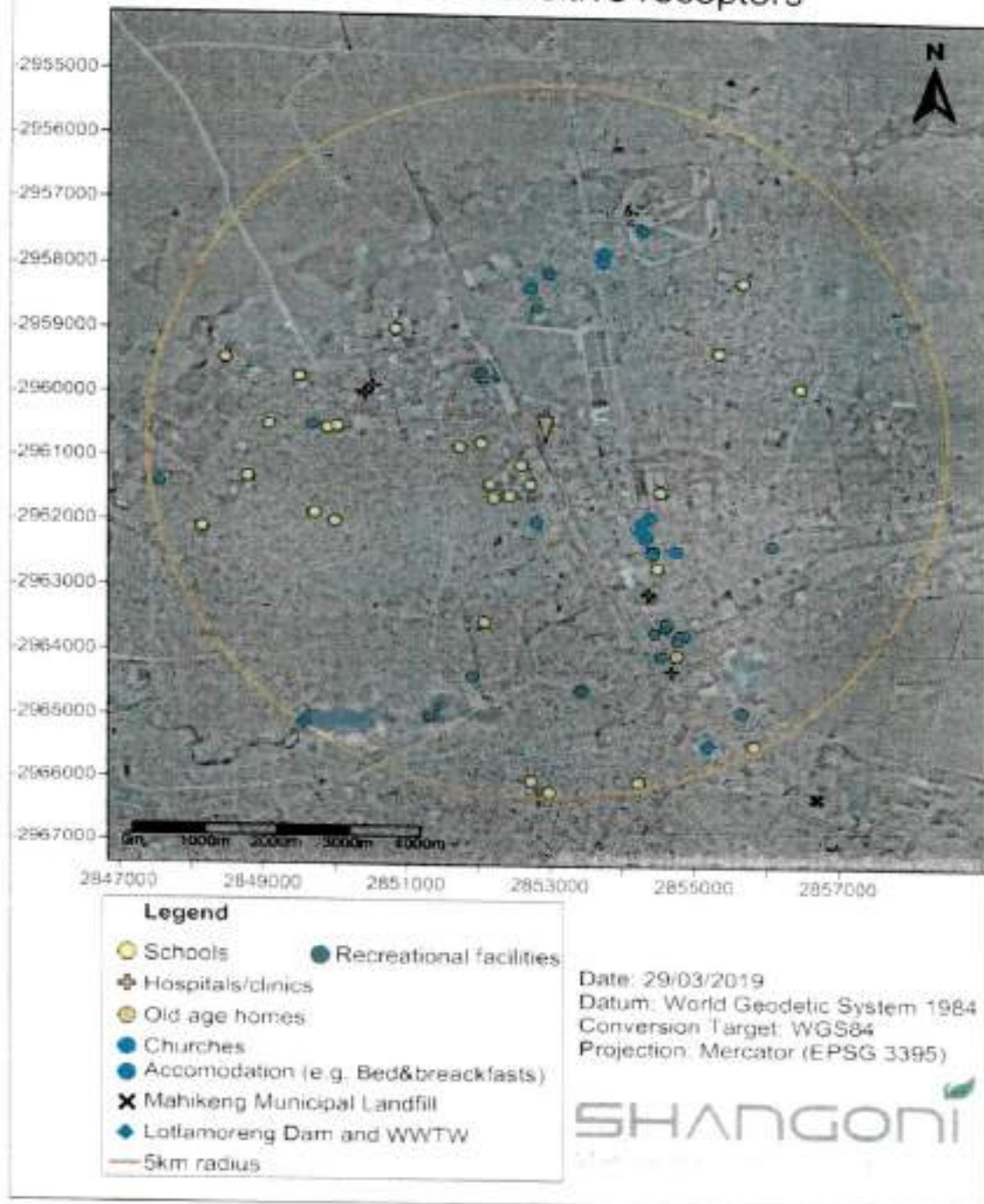
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Supreme Poultry Rendering Facility Land use and Sensitive receptors



Land use and sensitive receptor map within a 5 km radius

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4. NATURE OF PROCESS

4.1. Process Description

As in application form dated 18 March 2020.

4.2. Listed activity

Listed activity number/category	Listed activity	Description
Category 10	Animal Matter Processing	Processes for the rendering cooking, drying, dehydrating, digesting, evaporating or protein concentrating of any animal matter not intended for human consumption. Application: All installations handling more than 1 ton of raw materials per day.

4.3. Unit Process

Unit Process	Function of Unit Process	Batch or Continuous Process
Poultry waste receivable	Supreme Poultry receives feathers, blood, heads, feet, inedible viscera and DOAs.	Batch
Screening	The heads, feet inedible viscera and feathers undergo screening.	Batch
Blood coagulation	Blood is put through a coagulator to reduce its moisture content	Batch
Loading waste	Poultry waste is loaded into loading/charging vents.	Batch
Boiler steam raising	Coal-fired boilers generate the steam used in the sterilisation process.	Continuous

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Rendering - Pressure cooking (Category 10 activity)	Within the cooking vessels, poultry waste is cooked and sterilised using pressure and high temperatures.	Batch
Condensers	Steam from the product is vented from the cooking vessels and passes through a condenser system.	Continuous
Biofilters	The air from the condensers is then passed through a biofilter system, to break down the remaining volatile organic compounds.	Continuous
Product dispatch	The poultry meal product then undergoes screening, bagging and is taken to the product storage area where it is ready for dispatch.	Batch

4.4. Hours of Operation

Unit Process / Plant	Operating Hours (e.g. 07h00 – 17h00)	No. Days Operation per Year
Poultry waste receivable	24 hours, 6 days per week	312
Screening	24 hours, 6 days per week	312
Blood coagulation	24 hours, 6 days per week	312
Loading waste	24 hours, 6 days per week	312
Boiler steam raising	24 hours, 7 days per week	365
Rendering - Pressure cooking (Category 10 activity)	24 hours, 6 days per week	312
Condensers	24 hours, 6 days per week	312
Biofilters	24 hours, 6 days per week	312
Product dispatch	24 hours, 6 days per week	312

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4.5. Graphical Process Information

As in application form dated **18 March 2020**.

4.6. General 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 department as long as it has been consulted and agreed to the satisfactory documentation necessary in confirming the equivalent test reliability and quality and equivalence of analyses.

4.6.2. The holder is responsible for quality assurance of methods and performance. If the holder uses external laboratories or consultants for sampling or analysis, accredited laboratories and service shall be used whenever possible.

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

4.6.4. The activities that are authorised may only be carried out at the premises indicated.

4.6.5. This Atmospheric Emission Licence does not negate the holder's responsibility to comply with any other statutory requirements that may be applicable to the carrying on of the listed activity.

4.6.6. A copy of this Atmospheric Emission Licence must be kept at the premises where the listed activity will be carried on. The Atmospheric Emission Licence

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must be produced to any authorised official of the Licensing Authority who requests to see it and must be made available for inspection by authorised officials.

4.6.7. Where any of the holder's contact details change, including the name of the responsible person, the physical or postal address and/or telephonic details, the holder must notify the Licensing Authority as soon as the new contact details become known to the holder.

4.6.8. The Licensing Authority reserves the right to, by notice in writing, set and adjust the emission limit values or standards after consultation with the holder.

4.6.9. All plant and apparatus used for the purpose of carrying out the listed activity in question and all appliances for preventing or reducing to a minimum the escape into the atmosphere of noxious or offensive gases, shall at all times be properly maintained and operated and the holder shall ensure that all other necessary measures are taken to prevent the escape into the atmosphere of noxious or offensive gases.

4.6.10. No building, plant or works used, for a listed activity, by the holder shall be materially extended, altered or added to and no changes in process or significant production increases that will significantly alter impacts may be undertaken without the prior approval of the licensing authority.

4.6.11. The holder must apply in writing to the Licensing Authority if it proposes to make any changes to the type and quantities of input materials and products, or to production equipment and treatment facilities.

4.6.12. The Atmospheric Emission Licence ceases to be of effect upon change of ownership of the entity or cessation of operations and the Licensing Authority shall be advised of any such changes within.

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4.6.13. On cessation of operations, the Licensing Authority must be notified and decommissioning of the plant and substances used shall be managed to prevent environmental impacts in terms of relevant legislation.

5. RAW MATERIALS AND PRODUCTS

5.1. Raw Materials Used

As in application form dated 18 March 2020.

5.2 Production Rates

As in application form dated 18 March 2020.

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)
Coal	0.46	15.8	8 000	8 000	6 800	kg/hr

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5.4 SOURCE 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)
SVBoiler1	Boiler 1	-25.8471	25.6283	20	12	0.9	171	21368	9.3
SVBoiler2	Boiler 2	-25.8407	25.6283	20	12	0.9	133	24140	10.5

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5.2. Point source – maximum permissible emission rates

Point Source code	Pollutant Name	Release Rate			Permitted Duration of Emissions (Continuous/Routine/Inter & Emerg)	Emission Hours (e.g. 07:00 – 17:00)
		(mg/Nm ³) Under normal conditions	(g/s)	Averaging Period Date to be Achieved By		
				24 hrs		

NOTE:


- Boilers do not fall under Section 21 Listed activities regulation. However monitoring should be done and compare standard with section 23 small boiler declaration notice [GG No.36973, Notice No.831 of 1 November 2013].
- Licensing holder must submit at least one (1) emission report to Ngaka Modiri Molema District Municipality's air quality officer in a form set out in Annexure C to the small boiler declaration notice [GG No.36973, Notice No.831 of 1 November 2013].
- For reporting requirements, emissions shall be measured by stack emission measurement and may be supplemented by means of mass balance or engineering calculations

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6. APPLIANCES AND MEASURES TO PREVENT AIR POLLUTION
6.1. Appliances and Control Measures

Appliances		Air Pollution Control Technology										Associate
Appliance / Process / Equipment Description Number	Appliance Type / Serial Number	Appliance 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	Associated Source Code
CD0001	Grid arrestor for the removal of particles	B1O1	1998	JHT MK4	Particle removal	2005		8 t/hr	8 t/hr	80	100	SVBoiler1
CD0002	Grid arrestor for the removal of particles	B2O2	1986	JHT MK4	Particle removal	2005		8 t/hr	8 t/hr	80	100	SVBoiler2
CD0003	Condenser system	VXMC 760S, 95-2681, 96-2907, 95-2682	No data	C060 240, PMCA-755, PMCA-755, PMCA-755	Odour control	No data		No data	No data	No data	No data	EUCooker 1, 2 & 3
CD0004	Biofilter for the removal of odour	No data	No data		Odour control	2005		25 m ³ /hr	Constant	90	100	EUCooker 1, 2 & 3

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6.2 Area and/or Line sources parameters Management and Mitigation Measures

Area Source code	Description of Specific Measures	Required Control Efficiency (%)	Timeframe for Achieving Required Control Efficiency	Method of Monitoring Measure Effectiveness	Contingency Measure
EUCooker1, EUCooker2, EUCooker3	Biofilter – Odour Control Technology	90%	Ongoing	Odour Management Plan Site inspections Maintenance	<ol style="list-style-type: none"> 1. Report incident and/or complaint to the site manager. 2. Verify whether the incident and/or complaint reported are in fact an incident and/or a legitimate complaint. 3. Notify the managing director and adjacent landowners of incident. 4. Pro-actively advise stakeholders/neighbours of potential problems during shutdowns, process upsets and other abnormal situations. 5. Investigate corrective and preventative measures. 6. Major incidents are to be reported to authorities within 24 hours. 7. Complete corrective and preventative action. 8. Implement preventative and/or corrective measures.

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Area Source code	Description of Specific Measures	Required Control Efficiency (%)	Timeframe for Achieving Required Control Efficiency	Method of Monitoring Measure Effectiveness	Contingency Measure
EUCooker1, EUCooker2, EUCooker3	Condenser system	No data	Ongoing	Odour Management Plan Site inspections Maintenance	<ol style="list-style-type: none"> 1. Report incident and/or complaint to the site manager. 2. Verify whether the incident and/or complaint reported is in fact an incident and/or a legitimate complaint. 3. Notify the managing director and adjacent landowners of incident. 4. Pro-actively advise stakeholders/neighbours of potential problems during shutdowns, process upsets and other abnormal situations. 5. Investigate corrective and preventative measures. 6. Major incidents are to be reported to authorities within 24 hours. 7. Complete corrective and preventative action. 8. Implement preventative and/or corrective measures.

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The license holder should review and submit the odour management plan within three (3) months of receiving this AEL. The plan should outline best practice measures intended to minimize or avoid offensive odours.

The licensing holder must notify licensing authority in writing within 24 hours after offensive odour incidents. The notification should include the cause of odour and remedial actions.

6.2.1 Area Source Emissions

Should the facility exceed acceptable dustfall rates set out in the regulations, they will be required to:

- Submit a dust management plan and implement that dust management plan within three months after approval of the plan by authorities
- Implement a dustfall monitoring programme. A monitoring report of that programme may be accepted by the regulator if it meets the requirements of the National dust control regulations

6.3. Abnormal Releases and Emergency Responses

The holder must prevent deviations from normal operating conditions that would result in pollution exceeding specified limit values, and shall scale back or halt its operations if it is likely that the permitted levels of pollution would otherwise be exceeded.

6.4. Ambient Air Quality Monitoring

Reporting should be done as per "Quarterly Environmental Performance Reporting Template".

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6.5. Energy Conservation Measures

The holder shall evaluate its activities to improve energy utilization and efficiency. This information should be provided to the Licensing Authority upon request.

6.6. Cleaner Production Targets

The holder must investigate cleaner production processes and practices that are relevant to its operations with a view towards reducing energy consumption and atmospheric emissions related to the process. This information should be provided to the Licensing Authority upon request.

6.7. Complaints Register

Complaints should be registered as per "Quarterly Environmental Performance Reporting Template".

6.8. Non-Compliance Recording and Reporting

If the holder fails to comply with the conditions or requirements of the Provincial Atmospheric Emission Licence, the Provincial Air Quality Officer may by notice in writing call upon such holder to comply with such conditions or requirements 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 Provincial Air Quality Officer may cancel the Provincial Atmospheric Emission Licence or suspend the operation thereof for such period as he or she may deem fit.

Reporting should be done as per "Quarterly Environmental Performance Reporting Template".

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6.9. Quarterly Reporting

Quarterly report must be completed by submitting information for the quarter under review in the manner and format provided by the Provincial Air Quality Officer, by registered post/and electronic mail no later than thirty (30) calendar days after the end of each reporting period.

The holder must retain a copy of the quarterly report supplied to the Provincial Air Quality Officer for a period of at least five (5) years.

6.10. Notification of Abnormal Releases

Notification should be done:

(i) Immediately as per occurrence of an incident and in terms of section 30(3)-(5) of the NEMA to the Provincial Air Quality Officer

AND

(ii) as per the Quarterly Environmental Performance Reporting Template

6.11. Reporting in terms of Section 43 (1)(l)

Reporting in terms of Section 43 (1) (l) shall be done in accordance with the National Greenhouse Gas Reporting Regulations

7. Disposal of waste and effluent arising from air pollution mitigation measures

Solid and effluent waste arising from air pollution mitigation measures to be disposed of at an approved disposal site. A permit should be made available at all times at the site.

Signature.....

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8. Appeal of Atmospheric Emission Licence (AEL)

8.1 The holder of the AEL must notify every registered interested and affected party, in writing and within fourteen (14) days, of receiving an AEL from the Department.

8.2 The notification referred to in 9.1 must –

8.2.1 Inform interested and affected parties of the decision (specifically, Permissible Emission Rates) and where the decision can be accessed.

8.2.2 Specify the date on which the AEL was issued.

8.2.2 Inform the registered interested and affected parties of the appeal procedure provided for in Chapter 2 of the National Appeal Regulations (see Annexure 1).

8.3 An appeal against the decision must be lodged in terms of Chapter 2 of the National Appeal Regulations with:

The Appeal Administrator: Ms. Carene Nieuwoudt

Department of Economic Development, Environment, Conservation and Tourism

Private Bag X 2039

MMABATHO

2735

Or hand delivered to:

Ms. Carene Nieuwoudt

Room E30, Agricentre Building

Cnr. Dr. James Moroka & Stadium Road,

MMABATHO

Tel No: (018) 389 5986

Cell No: (083) 385 9486

Fax No: (086) 581 7858

E-mail: cnieuwoudt@nwpg.gov.za

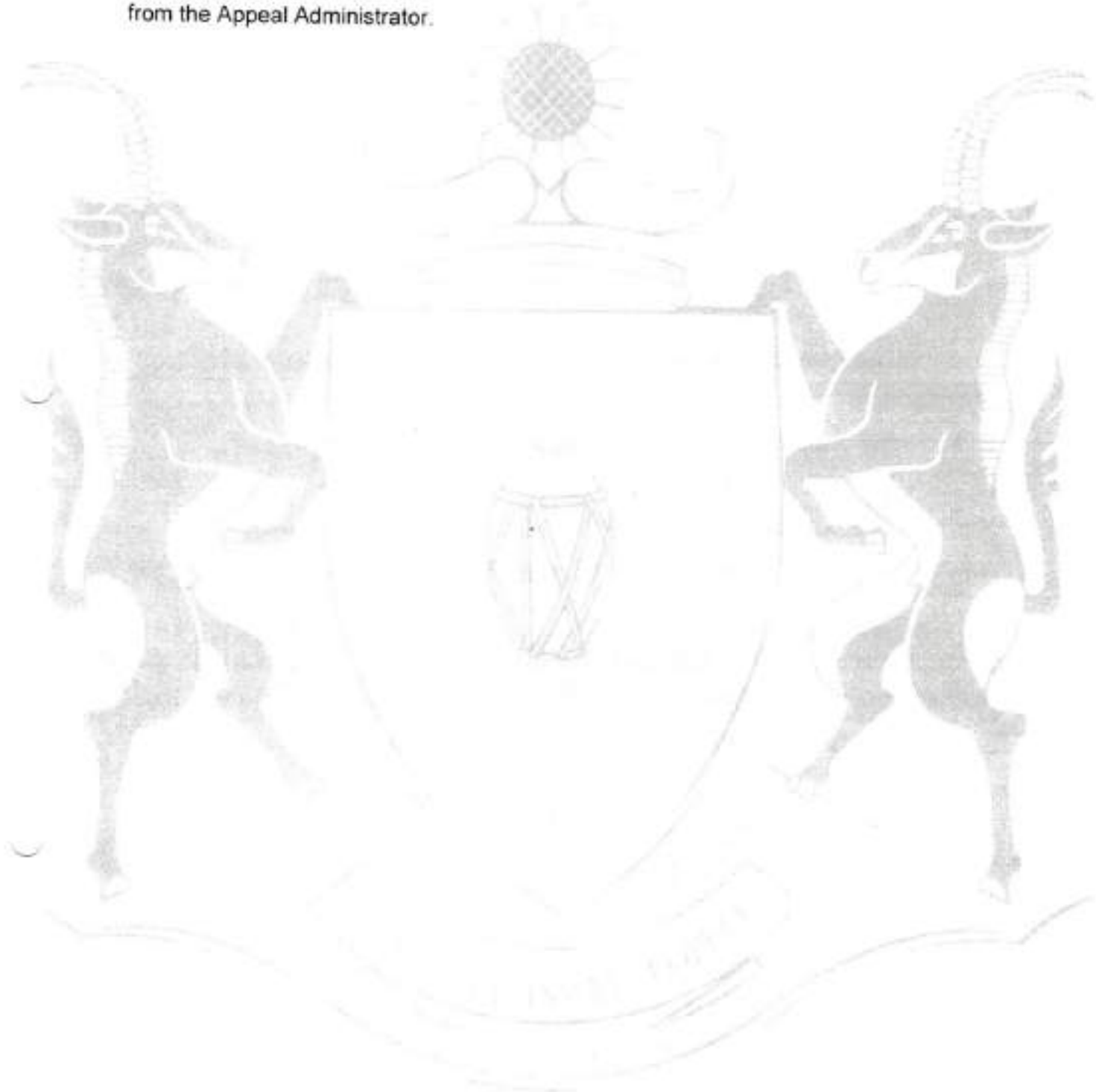
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8.4. Such Appeal must be lodged in writing by completing Appeal form obtainable from the Appeal Administrator.



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ANNEXURE 1: ADMINISTRATION AND PROCESSING OF APPEALS

ADMINISTRATION AND PROCESSING OF APPEALS IN TERMS OF CHAPTER 2 OF THE NATIONAL APPEAL REGULATIONS, 2014 TO BE FOLLOWED BY THE APPLICANT, AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ATMOSPHERIC EMISSION LICENCE.

Appeal submission

4. (1) An appellant must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party and any organ of state with interest in the matter within 20 days from:

(a) The date that the notification of the decision for an application for an AEL was sent to the registered interested and affected parties by the applicant; or

(b) The date that the notification of the decision was sent to the applicant by the competent authority, issuing authority or licensing authority, in the case of decisions other than those referred to in paragraph (a).

(2) An appeal submission must be-

(a) Submitted in writing in the form obtainable from the appeal administrator; and

(b) Accompanied by-

(i) A statement setting out the grounds of appeal;

(ii) Supporting documentation which is referred to in the appeal submission; and a statement, including supporting documentation, by the appellant to confirm compliance with regulation 4(1) of these Regulations.

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Responding statement

5. The applicant, the decision-maker, interested and affected parties and organ of state must submit their responding statement, if any, to the appeal authority and the appellant within 20 days from the date of receipt of the appeal submission.

Appeal panel

6. (1) If the appeal authority reasonably believes that expert advice must be sought or that an appeal panel must be appointed, the appeal administrator must source an independent expert or Constitute an independent appeal panel, or both, within 10 days from the date of receipt of an instruction from the appeal authority,

(2) The appeal panel contemplated in sub-regulation (1) may consist of such number of independent experts and with such expertise as the Appeal Authority may deem necessary under the circumstances;

(3) The expert or appeal panel must provide advice to the appeal administrator within 10 days from the receipt of an instruction from the appeal administrator.

Recommendations and decisions on appeals

7. (1) The appeal administrator must make a recommendation on the appeal to the appeal authority within 30 days of receipt of the responding statement referred to in regulation 5 of these Regulations, in the event that an independent expert has not been sourced or an independent appeal panel has not been constituted.

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(2) The appeal administrator must make a recommendation on the appeal to the appeal authority within 10 days of receipt of the advice referred to in regulation 6(2) of these Regulations, in the event that an independent expert has been sourced or an independent appeal panel has been constituted.

(3) The appeal authority must reach a decision on an appeal, and notify the appellant, applicant, and any registered interested and affected party, within 20 days of the recommendation on the appeal by the appeal administrator.

(4) The decision contemplated in sub-regulation (3) must contain written reasons for the decision.

Communication

8. (1) A person may deliver documents in terms of these regulations by using one of the delivery methods referred to in section 47D of the Act, which are:

- (i) by faxing a copy of the notice or other document to the person, if the person has a fax number;
- (ii) by e-mailing a copy of the notice or other document to the person if the person has an e-mail address; or
- (iii) by posting a copy of the notice or other document to the person by ordinary mail, if the person has a postal address;

(2) In order to meet the time periods determined in these regulations, the person referred to in sub-regulation (1) must also email, fax or hand deliver the document to the recipient, if the document is delivered by ordinary mail or registered mail.

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