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Departement van Landbou,
Landelike Ontwikkeling,
Grond en Ongewing Sake

umNyango weZelimo
UkuThuthukiswa kweeNdawo zemaKhaya,
iNarha neeNdaba zeBhoduluko

Enquiries : Charity Mthimunye
Telephone : 013 692 6300
Reference no. : 1/3/1/16/1N-138
NEAS ref no. : MPP/EIA/0000451/2018

ALZU PIG GENETICS (PTY) LTD
PIC SOUTH AFRICA
PRIVATE BAG X 251
MIDDLEBURG
1050

Tel No: 082 885 9741
Email: elizma@picrsa.co.za

Madam

ENVIRONMENTAL AUTHORISATION: THE CONSTRUCTION AND OPERATION OF A PIG GENE TRANSFER CENTRE WITHIN 6 HECTARES OF THE REMAINING EXTENT OF PORTION 24 OF THE FARM KLEINFONTEIN 432 JS, MIDDLEBURG, STEVE TSHWETE LOCAL MUNICIPALITY.

With reference to the abovementioned application, please be advised that the Department has decided to grant authorisation. The environmental authorisation and reasons for the decision are attached herewith.

In terms of Regulation 10(2) of the Environmental Impact Assessment Regulations, 2014, you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of this letter, of the Department's decision in respect of your application. Such notification must comply with the requirements of Regulations 4(10)(a)-(d) and must draw the attention of registered interested and affected parties to the fact that an appeal may be lodged against the decision in terms of National Appeal Regulations, 2014.

Your attention is drawn to national Appeal Regulations. Should you wish to appeal any aspect of the decision, you must, *inter alia*, lodge a notice of intention to appeal with the MEC, within 20 days of the date of this letter, by means of one of the following methods:

By facsimile: (013) 766 8295

By post: Private Bag x 11219
Nelspruit
1200

By hand: Building 6, No. 7 Government Boulevard,
Riverside Park Extension
Nelspruit
1200 *pm*

Should you decide to appeal, you must serve a copy of your notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection.

Yours faithfully,



MS. P.N. NTULI

ACTING CHIEF DIRECTOR: ENVIRONMENTAL SERVICES

DATE: 20/03/2019

Cc: Ms. Riana Janse van Rensburg
AdiEnvironmental cc
Fax no: 013 697 5021
Email: riana@adienvironmental.co.za





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Environmental Authorisation

Application number: 1/3/1/16/1N-138

Holder of Authorisation: Alzu Pig Genetics

NEAS reference number: MPP/EIA/0000451/2018

Location of activity: THE REMAINING EXTENT OF
PORTION 24 OF THE FARM
KLEINFONTEIN 432 JS, STEVE
TSHWETELocal
MUNICIPALITY,
MPUMALANGA PROVINCE
PN

1. Decision

The Department is satisfied on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activity as specified below. Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

2. Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act 107 of 1998) and the Environmental Impact Assessment Regulations 2014, the Department hereby authorises:

ALZU PIG GENETICS (PTY) LTD
PIC SOUTH AFRICA
PRIVATE BAG X 251
MIDDLEBURG
1050

Tel No: 082 885 9741

Email: elizma@picrsa.co.za

To undertake the following activity (hereafter referred to as "the activity"):

The construction and operation of pig gene transfer centre within 6 hectares of the remaining extent of portion 24 of the farm Kleinfontein 432 JS within Steve Tshwete Local Municipality at the following co-ordinates; 25° 49' 25.10"S and 29° 46' 32.33 "E . **Activity 4 and 28 of Government Notice R327 of 08 December 2014 as amended.**

The activity will entail the following;

- Boar pens.
- Laboratory
- Offices
- Guardroom
- Laundry
- Kitchen
- Manure dam
- Workshop
- Feed silos
- Parking area

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The granting of this environmental authorisation is subject to the conditions set out below.

3. Conditions of Authorisation

Scope of authorisation

- 3.1 Authorisation of the activity is subject to the conditions contained in this authorisation, which form part of the environmental authorisation and are binding on the holder of the authorization and are therefore legally enforceable.
- 3.2 The holder of the authorisation must ensure compliance with these conditions by any person acting on his or her behalf, including but not limited to, an agent, sub-contractor, employee or person rendering a service to the holder of the authorisation.
- 3.3 The activity which is authorised may only be carried out at the property indicated above.
- 3.4 Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.
- 3.5 In the event that the impacts exceed the significance as predicted in the basic assessment report, the authorisation may be withdrawn after proper procedures have been followed.
- 3.6 In the event of any dispute concerning the significance of a particular impact, the opinion of the Department in respect of its significance will prevail.
- 3.7 The Department may change or amend any of the conditions of this authorisation if, in the opinion of the Department, it is environmentally justified.
- 3.8 This activity must commence within a period of ten (10) years from the date of issue. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
- 3.9 The holder of this authorisation is responsible for compliance with the provisions for Duty of Care and Remediation of Environmental Damage contained in Section 28 of the National Environmental Management Act, 1998 (Act 107 of 1998).
- 3.10 This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Appeal of authorisation

- 3.10.1 The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) days of the date of this decision, of the outcome of the application.
- 3.11 The notification referred to above, must –
 - a) Specify the date on which the authorisation was issued;
 - b) Inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Regulations; and
 - c) Advise the interested and affected party to the manner in which the decision can be accessed;
 - d) Be published in the newspapers contemplated in Regulation 54(2)(c) and which newspaper was used for the placing of advertisements as part of the public participation process.

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Management and monitoring of the activity.

- 3.12 The Environmental Management Programme (EMPr) dated 17th October 2018 submitted as part of the Basic Assessment Report is hereby approved and must be implemented and adhered to throughout the lifecycle of the activity.
- 3.13 The applicant must appoint an independent Environmental Control Officer (ECO) that will have the responsibility of monitoring and reporting on compliance with the conditions of this environmental authorisation as well as monitoring and reporting on the implementation of the approved EMPr.
- 3.13.1 The ECO must be appointed before the commencement of construction and the Department must be notified of such an appointment for communication purposes.
- 3.13.2 The ECO must oversee and monitor the success of all rehabilitation activities.
- 3.13.3 During the construction phase, the ECO must submit monthly compliance reports to the Department in writing and copy the applicant with such reports. Where applicable, the ECO may negotiate the required frequency for the submission of reports with the Department, which must be agreed to in writing by the Department. The reports must include a description of all activities on site, problems identified, transgressions noted and remedial action implemented. All reports must reflect the Department's reference number of the project on the cover page.
- 3.13.4 The ECO must maintain the following on site:
- A site diary
 - Copies of all reports submitted to the Department
 - A complaints register of all public complaints and the remedies applied to such complaints
- 3.13.5 The ECO must remain employed until all rehabilitation measures as well as site clean-up are completed and the site is handed over to the applicant by the contractor for operation.
- 3.14 The holder of the authorisation must submit an environmental audit report to the Department upon completion of the construction and rehabilitation activities. The environmental audit report must be compiled by an independent environmental auditor and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the conditions of this authorisation as well as the requirements of the EMPr.
- 3.15 The Department retains the right to monitor and/ or inspect the proposed development during both construction and operational phases.

Commissioning and operation of the activity

- 3.16 Fourteen (14) days written notice must be given to the Department that the activity will commence. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, and must include the name and contact details of the appointed ECO.
- 3.17 The appointed contractor must be contractually bound to these conditions as well as the provisions of the proposed EMP.
- 3.18 The environmental authorization as well as any license or permits must be in place before construction commences and any recommendation contained in these permits, licenses and/or authorization must be incorporated into the project design.
- 3.19 Before the construction, the depression wetland (located east of the site) and seep wetland (located south of the site) and associated 43m buffer zones must be surveyed and clearly marked as NO-GO areas in the field with signs .
- 3.20 The entire facility (including buildings, parking areas and storm water infrastructure) must be double fenced with a gravel road between the two fences.



- 3.21 Eskom power lines extend into the north eastern corner of the site must be relocated.
- 3.22 It is recommended that the construction site office be located in the northern portion of the site within the old farmstead complex.
- 3.23 An open space of 15m must be left between each platform or building for storm water management purposes.
- 3.24 A feed silo must be provided at the end of each building near the fence. The feed delivery trucks must utilize an access road located on the outside of the fenced area to refill the silos from outside. This will minimize traffic within the facility and decrease the risk of disease.
- 3.25 Wash water, manure and urine must be contained in manure compartments located underneath the boar pens and channeled to a single manure dam. A separate entrance must be provided to the manure for the tractors and tackers.
- 3.26 A water reservoir must be located in the north western corner of the site to ensure that sufficient water is always available at the facility. A generator must also be provided should there be an electricity outage.
- 3.27 Syringes, medicine bottles, packaging, disinfectant containers and pesticides must be placed in a sealed box and removed by the consulting vet.
- 3.28 Used needle must be stored in a sharps bin which must also be removed by the consulting vet and disposed of at a dedicated medical waste.
- 3.29 Recommendations made by Gouws (2018) in terms of sustainable groundwater abstraction must be implanted and adhered to and must be registered with the Department of Water and Sanitation.
- 3.30 The applicant must ensure that the manure pit has sufficient capacity and does not overflow and no spreading of manure within the identified wetlands and associated 43m buffer zones.
- 3.31 The GTC facility must be operated as indicated in section 3 and section 7 of the report.
- 3.32 Standard O Procedures dealing with bio-security and health must be compiled, adhered to and monitored on a regular basis.
- 3.33 All disturbed areas must be fully rehabilitated and protected from erosion. Rehabilitation measures must be aimed at the prevention of soil erosion and the re-establishment of vegetation.
- 3.34 If any graves are discovered during construction, the discovery must be reported to the SA Police Service and SAHRA. An archaeologist must be called in to handle the matter.

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General

- 3.35 A copy of this authorisation must be kept at the property where the activity will be undertaken.
- 3.36 The authorisation must be produced to any authorised official of the Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.
- 3.37 Non-compliance with a condition of this authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the regulations.
- 3.38 National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the applicant or his successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the applicant with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

ENVIRONMENTAL AUTHORISATION APPROVED BY:



MS. PN. NTULI

ACTING CHIEF DIRECTOR: ENVIRONMENTAL SERVICES

DATE: 20/03/2019

Annexure 1: Reasons for the Decision

1. Background

1.1 The applicant, Alzu Pig Genetics , applied for authorisation to carry out the following activity:

The construction and operation of pig gene transfer centre within 6 hectares of the remaining extent of portion 24 of the farm Kleinfontein 432 JS within Steve Tshwete Local Municipality at the following co-ordinates; 25° 49' 25.10"S and 29° 46' 32.33 "E . **Activity 4 and 28 of Government Notice R327 of 08 December 2014 as amended.**

The activity will entail the following;

- Boar pens.
- Laboratory
- Offices
- Guardroom
- Laundry
- Kitchen
- Manure dam
- Workshop
- Feed silos
- Parking area

1.2 The applicant appointed the following Environmental Assessment Practitioner (EAP) to undertake a Basic Assessment Process:

AdiEnvironmentals cc
P.O. Box 647
Witbank
1035

Contact Person: Ms. Riana Janse van Rensburg
Fax no: 013 697 5021
Email: adie@environmental.co.za *pr*



2. Information considered in making the decision.

In reaching its decision, the Department took the following into consideration:

- a) The information contained in the Basic Assessment Report and the EMPr.
- b) The objective and requirements of relevant legislation, policies and guidelines, including Section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998); and
- c) The findings of the site visit undertaken by Ms. Charity Mthimunye on the 24th October 2018.

3. Key factors considered in making the decision.

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below:

- a) Due to the increased market demand, the applicant decided to expand the Gene Transfer Centre by relocating it from Rockdale to the Kleinfontein Farm as it can house 400 boars unlike the previous one that could house 200 boars.
- b) The boar houses will be washed on a regular basis with a pressure washer and biodegradable disinfectant which includes cleaning the boar pens, walkways, manure channels and fans.
- c) According to the applicant, a deep pit storage system will be installed at the GTC facility to deal with manure and wastewater from cleaning.

4. Findings

After consideration of the information and factors listed above, the Department made the following findings:

- a) The proposed GTC facility will be accessed through north of N4 between Middleburg and Wonderfontein that is northwest of the Alzu Petroport.
- b) In accordance with Section 41(2) of the 2024 NEMA EIA Regulations (as amended) GN no 326, notice was given to all potential or registered and affected parties.
- c) There will be measures undertaken to ensure the efficient use of energy at the proposed GTC facility.

In principle, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and that any potentially detrimental environmental impacts resulting from the proposed activity can be mitigated to acceptable levels. In view of the above, authorization is accordingly granted. *PN*