



Enquiries: Nokukhanya Khumalo

Tel: 021 462 4502

Email: nkhumalo@sahra.org.za

CaseID: 11519

Date: Tuesday August 21, 2018

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Final Comment

In terms of Section 38(8), 38(4) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Alzu Pig Genetics (Pty) Ltd

Private Bag X251875
Middelburg
1050

Alzu Pig Genetics (Pty) Ltd intends to relocate the existing Gene Transfer Centre (GTC) from the farm Rockdale, Middelburg, to the Remaining Extent of Portion 24 of the farm Kleinfontein 432 JS, Middelburg (Mpumalanga). The intention is to initially house 200 boars, with eventual expansion to house 400 boars. The GTC facility will comprise of boar pens, a laboratory, offices, guardroom, laundry, canteen, effluent catch pit/manure dam, workshop, shavings shed, feed silos and parking area. The entire site will be fenced for bio-security reasons.

AdiEnvironmental cc have been appointed by Alzu Pig Genetics (Pty) Ltd to undertake a Basic Assessment report in support of an Environmental Authorisation Process in terms of the National Environmental Management Act, 107 of 1998, as amended (NEMA) for listed activities in the NEMA Environmental Impact Assessment (EIA) Regulations, 2017, as amended. The extent of the proposed development is 4ha comprising of boar pens, laboratory, offices, guardroom, laundry, canteen, effluent catch pit, workshop, shavings pen, feed silos and parking area.

The Heritage Exemption report and the Desktop PIA report have been submitted to the South African Heritage Resources Agency (SAHRA), for commenting in terms section 38(8) of the National Heritage Resources Act, 25 of 1999).

Van Vollenhoven, A.C. September 2017. Letter for HIA Exemption Request: Genetics Transfer Centre (Piggery) on Portion 9 and the Remainder of Portion 24 of the Farm Kleinfontein 432 JS, Middelburg, Mpumalanga Province.

The undertook an assessment of the available historical literature of the proposed development area and a field assessment, which identified 2 historical buildings that are located just outside the development area. The field assessment did not discover any heritage resources on the fields that will be utilised for the piggery. The historical buildings consist of the old farm house, which is in disuse and all the interior historical features were removed from the farmhouse, and an outbuilding. Both buildings will not be impacted as they are located



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outside the development area. The author recommends an exemption from conducting a HIA, and that the historical buildings are conserved.

Fourie, H. December 2017. Palaeontological Impact Assessment: Phase 1 Field Study the Construction and Operation of a Gene Transfer Center (GTC) on the Remaining Extent of Portion 24 of the Farm Kleinfontein 432-JS, Middelburg Steve Tshwete Local Municipality, Nkangala District Municipality, Mpumalanga Province Farm: Remaining Extent of Portion 24 of the Farm Kleinfontein 432-JS.

The development area is underlain by sediments of the Permian Vryheid Formation (Ecca Group, Karoo Supergroup). This Formation has a Very High palaeontological sensitivity; however, fossils were not observed on the surface during the field survey. Just outside the development area, the underlying geology consists of feldspatic quartzites, arkosols, shales and interbedded volcanics and felsites of the Damwal Formation (Rooiberg Group, Transvaal Supergroup). This formation has no palaeontological sensitivity. The author recommends the following:

Mitigation by a qualified palaeontologist if any fossils are uncovered;

The ECO must familiarise himself with the type of fossils that may be uncovered in the Vryheid Formation;

There is no objection to the development, but the ECO must monitor for fossils before and after any blasting/excavation;

The EMPr is updated to include the training of the ECO in the identification of fossils in the Vryheid Formation, or for a palaeontologist to be present once a month during construction of the development;

The EMPr must also be updated to include the Protocol for Finds attached to the PIA report under Appendix 2.

Final Comment

SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit agrees with the recommendations provided within the Heritage exemption report and the PIA report submitted to the case for commenting. These recommendations must be included in the EMPr for implementation along with *Appendix 2: Protocol for Finds* in the PIA report.

SAHRA cannot provide comments on the built environment protected under section 34 of the NHRA, therefore consultation with the Mpumalanga Heritage Resources Authority (MPHRA) must be undertaken by the EAP/developer. Further comments from the MPHRA please contact Benjamin Moduka at



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Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

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bmoduka@mpg.gov.za and at 013 766 5196.

In the unlikely event that fossils are uncovered during construction then construction must cease within the immediate vicinity, a buffer of 30 m must be established, and a palaeontologist called in to inspect the finds. The palaeontologist must obtain a section 35(4) permit in terms of NHRA and Chapter IV NHRA Regulations, before any fossils are collected.

If there are any new heritages resources are discovered during construction and operation phases of the proposed development, then a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings at the expense of the developer.

If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required at the expense of the developer. Mitigation will only be carried out after the archaeologist or palaeontologist obtains a permit in terms of section 35 of the NHRA (Act 25 of 1999). You may contact SAHRA APM Unit for further details: (Nokukhanya Khumalo/Phillip Hine 021 202 8652).

If any unmarked human burials are uncovered and the archaeologist called in to inspect the finds and/or the police find them to be heritage graves, then mitigation may be necessary and the SAHRA Burial Grounds and Graves (BGG) Unit must be contacted for processes to follow (Ms Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490).

The Final BAR must be uploaded to the case for record purposes as well as the Record of Decision from the competent authority as and when these reports are available for public review.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Nokukhanya Khumalo

Our Ref: 11520



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Department of Arts and Culture

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Heritage Officer
South African Heritage Resources Agency

Phillip Hine

Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/406839>
(MDARDLA, Ref: 1/3/1/16/1N-138)

Terms & Conditions:

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.