



Enquiries: Bernadet Pawandiwa
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CaseID: 9427

Date: Thursday April 28, 2016

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Final Comment

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the KwaZulu-Natal Heritage Act (Act 4 of 2008)

Attention: Midlands Biogas and Fertiliser

Suite 9, Build-It Centre, 5a Quarry Road, Hilton 3245 Suite 9, Build-It Centre, 5a Quarry Road, Hilton 3245

The proposed development will entail the construction of a Biogas and Fertiliser Plant in the uMshwathi Local Municipality (please refer to Locality Map: Appendix 1). The primary input of the Plant is animal manure, proposed to be sourced from a local feedlot. The animal manure is mixed with water to the desired consistency and processed via an anaerobic digester. The estimated input of animal manure, running at full capacity, will be 18 tons/day. The outputs are threefold, namely: • 80m³/day liquid fertiliser; • 6 tons/day solid compost; and • 40 – 8m³/day biogas. In terms of utilization, the following will apply: • The liquid fertiliser will be used at the existing Sunshine Seedlings nursery (resulting in a net zero water use by the Biogas and Fertiliser Plant); • The compost will be applied to existing sugarcane fields and will be utilized in the existing Sunshine Seedlings nursery; and • The biogas will be utilized as a fuel source for heating the existing Sunshine Seedlings nursery tunnels during the winter months; firing boilers in a purpose-built essential oil distillery and for generating electricity in a closed combustion engine which will assist in powering the Biogas and Fertiliser Plant. Any excess biogas generated will be flared.

We acknowledge receipt of your invitation for comment with regards to the proposed development. The survey by Frans Prins identified no heritage sites or features.

In view of the findings by the heritage practitioner Amafa has no objection to the development. You are also required to adhere to the below-mentioned standard conditions:

Conditions:

1. Amafa should be contacted if any heritage objects are identified during earthmoving activities and all development should cease until further notice.
2. No structures older than sixty years or parts thereof are allowed to be demolished altered or extended without a permit from Amafa.
3. No activities are allowed within 50m of a site, which contains rock art.
4. Sources of all natural materials (including topsoil, sands, natural gravels, crushed stone, asphalt, etc.) must be obtained in a sustainable manner and in compliance with the heritage legislation.

Failure to comply with the requirements of the National Heritage Resources Act and the KwaZulu Natal Heritage Resources Act could lead to legal action being instituted against the applicant.

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



**Amafa AkwaZulu-Natali
Heritage KwaZulu-Natal
Erfenis KwaZulu-Natal**

PO Box 2685, Pietermaritzburg 3200
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Website: www.heritagekzn.co.za

**Proposed development of a Midlands biogas and fertiliser plant, uMshwati
Local Municipality, KwaZulu-Natal.
Our Ref: SAH16/9427**



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Yours faithfully

Bernadet Pawandiwa
Senior Heritage Officer
Amafa/Heritage KwaZulu Natal

Annie van de Venter Radford
Deputy Director: Research, Professional Services and Compliance
Amafa/Heritage KwaZulu Natal

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/361692>
(EDTEA, Ref:)

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 Amafa immediately.
3. Amafa reserves the right to request additional information as required.



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