

Our Ref:



an agency of the
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town
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CaseID: 10312

Date: Friday May 12, 2017
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Interim Comment

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

Attention: Willie Oosthuizen
Wadala Mining and Consulting Pty Ltd

The Colville application area consists of 3 areas of which on two areas Area A and Area B, where upon coarse kimberlite tailings resource containing a high proportion of processed kimberlite from historical underground mining at Kimberley Mine has been deposited. This Tailings Mineral Resource represents the residue from the re-treatment of the older Colville washing plant tailings.

Wadala Mining and Consulting Pty Ltd has been appointed by The 2005 and 2007 Retrenchees Kimberly Mine Trust to conduct an Environmental Impact Assessment (EIA) Process in support of an Environmental Authorization Application for a Mining Right on the remaining extent of Erf 5025, remaining extent of Erf 4812, Erf 4815, and Erf 4811, Kimberley Magisterial District, Northern Cape Province. An EIA and Environmental Management Programme (EMPr) has been submitted in terms of the National Environmental Management Act, 1998 (NEMA) and the EIA Regulations 2014 for activities that trigger the Mineral and Petroleum Resources Development Act, 2002 (MPRDA)(As amended).

A total proposed application area will cover 232.7688 ha and mining activities will include the removal and reprocessing of the Colville Tailings Deposit (CTD). Supporting infrastructure will include temporary workshop and storage facilities, concrete bund walls and diesel depots, ablution facilities, topsoil and overburden stockpiles. Archaeological and Heritage Services Africa (Pty) Ltd (AHSA) was appointed to conduct the Heritage Impact Assessment (HIA) for the project.

In an Interim Comment issued on the 20 April 2017, SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit requested that a stand-alone Palaeontological Desktop Study must be completed for the project.

Chikumbirike, J. 2017. Palaeontological Assessment requested in terms of Section 38 of the National Heritage Resources Act, No 25/1999 for Mining Rights at the 2005 and 2007 Retrenchees – Kimberley Mines Trust, Kimberley, Northern Cape Province.

The development area is underlain by rocks of the Dwyka and Ecca Groups. The Dwyka Group is mostly unfossiliferous with thin layers of interglacial and post-glacial mudrocks that may yield marine invertebrate fossils and fish, as well as trace fossils and plant fossils such as the Glossopteris Flora. The Ecca Group sediments contain a large variety of fossils such plant fossils, trace fossils, molluscan, crustacean, insect

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bodies, primitive bony fish and aquatic mesosaurids. Deep level mining may impact fossil bearing rocks and the possibility of finding fossils is high.

Recommendations provided in the report include the following:

- The Environmental Control Officer (ECO) should be aware of the potential to find important fossils and should periodically monitor all major excavations;
- In the event of major discovery of fossil finds, the fossils should be safeguarded preferably in situ and reported to the relevant heritage resources authority so that appropriate mitigation by a palaeontologist can be considered and implemented; and
- These recommendations must form part of the environmental management planning (EMP).

Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit cannot accept the submitted Palaeontological Desktop study. The Palaeontological Desktop Study must be revised to include the following:

- A geological map of the development area;
- Additional photographs of the field survey;
- Tracklogs of the conducted field survey;
- A discussion of surface sediments/alluvium/Quaternary sediments that cover the Dwyka and Ecca Groups and how they'd be impacted; and
- Provide a more concise discussion of the rock formations.

Further comments will be provided upon receipt of the above.

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

Yours faithfully

Natasha Higgitt

Mining Right Application on Erf 5024, Erf 4812, Erf 4815 & Erf 4811 (Colville Tailings) Kimberley, Northern Cape

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Heritage Officer
South African Heritage Resources Agency

John Gribble
Manager: Maritime and Underwater Cultural Heritage Unit / Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/374728>

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.