



Letter

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

Attention: De Beers Consolidated Mines - Kimberley Mines

CONSULTATION IN TERMS OF SECTION 40 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 2002, (ACT 28 OF 2002) FOR THE APPROVAL OF AN ENVIRONMENTAL MANAGEMENT PLAN FOR MINING RIGHT ON A PORTION OF THE FARM ALEXANDERSFONTEIN NO. 123, A PORTION OF THE FARM BENAUWDHEIDFONTEIN NO 124; A PORTION OF THE FARM BULTFONTEIN NO 80; A PORTION OF THE FARM DORSTFONTEIN NO 77; ERF 6489; FARM RIETPAN NO 79; FARM ROOIFONTEIN NO 211; (REMAINDER OF ERF 9851; ERF 9852; A PORTION OF ERF 5045, ERF 4815, REMAINDER OF REF 4812 AND A PORTION OF THE REMAINDER OF ERF 5024) PREVIOUSLY KNOWN AS VOORUITZICHT NO 81, SITUATED IN THE MAGISTERIAL DISTRICT OF KIMBERLEY AND BOSHOF, NORTHERN CAPE REGION. APPLICANT: De Beers Consolidated Mine (Pty) Ltd

Morris, D. August 2005. *Phase 1 Archaeological Impact Assessment for De Beers Consolidated Mines Ltd (Contract 0616-AC-244-05) to Evaluate Heritage Resources on Properties as Indicated*

Several portions of De Beers Kimberley Mines' surface right areas and mining rights have been sold to Crown Resources (Pty) Ltd in two phases recently completed. The EMP submitted to SAHRA for comment provides detail on the purchase agreements as part of this sale. It is noted that the EMP pertains to an existing, fully operational mine and no new expansion projects are proposed for the near future. It is also noted that mining in this area commenced more than 100 years ago. As such, no impacts associated with construction are anticipated.

The above HIA is referenced in the Environmental Impact Assessment Report included in the submitted EMP. It is noted that this HIA dates back to 2005 and is therefore likely to be outdated. The HIA identifies a number of heritage resources that were likely to have been impacted by mining including an Earlier Stone Age (Acheulean) horizon and a historical horizon associated with the development of Kimberley. Specific heritage resources identified include stone walled features and historical middens associated with the original Du Toitspan village on Farm Dorstfontein of high heritage significance, a historic refuse midden on Farm Vooruitzicht 81 of medium to high significance and a historic refuse midden on Kenilworth Estate of medium significance. No information is provided as to the current state of any of the heritage resources identified in this report dated to 2005.

It is noted that no assessment of impacts to palaeontological heritage has ever been completed for this area. According to the submitted documentation, the mine is underlain by rocks of the Karoo Supergroup comprising Karoo shales such as the Eccca Group and dolerite. The Eccca Group is known for its moderate palaeontological sensitivity due to its non-marine trace fossils, vascular plants (including petrified wood) and palynomorphs of *Glossopteris* flora, mesosaurid reptiles, fish (including microvertebrate remains, coprolites),



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Enquiries: Jenna Lavin
Edit view Tel: 021 462 4502
Edit view Email: jlavin@sahra.org.za
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Page No: 2



crustaceans, sparse marine shelly invertebrates (molluscs, brachiopods), microfossils (radiolarians etc) and fossil insects.

As such, please provide SAHRA with the following;

- An updated HIA report on the current state of heritage resources within the mine area, including, but not limited to, the heritage resources identified in the above HIA.
- A Desktop Palaeontological Impact Assessment that provides a protocol for accidental finds of fossils with palaeontological significance.

SAHRA will await this requested information before commenting further.

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

Yours faithfully

Jenna Lavin
Heritage Officer
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/164062>
Edit view (DMR, Ref: NC 30/5/1/2/3/2/1/142MR)



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 * Postal Address: PO Box 4637, Cape Town 8000
* Tel: +27 21 462 4502 * Fax: +27 21 462 4509 * Web: <http://www.sahra.org.za>