

Our Ref:



an agency of the
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

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 9344

Date: Thursday December 08, 2016
Page No: 1

Final Comment

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

Attention: Northern Cape Department of Economic Development and Tourism

Project Name: Metals Industrial Cluster near Kuruman Applicant: Northern Cape Department of Economic Development and Tourism Location: The cluster is planned on ERF 6253 (Portion of ERF 1), ~2km south east from the town of Kuruman. The proposed site falls within the Ga-Segonyana Local Municipality and the greater John Taolo Gaetsewe District Municipality Proposed Activity: The construction of a Metals Industrial Cluster. Steel manufacturing will be the main focus while it allows for other metals related industries to locate in the cluster. The proposed cluster will start as a developmental initiative, driven strongly by a Cluster Management Company (CMC). The proposed development will extend over 20 years and will transition into 4 phases.

Savannah Environmental (Pty) Ltd (Savannah) was appointed by the Northern Cape Department of Economic Development and Tourism to undertake an Environmental Impact Assessment (EIA) process for the proposed Metals Industrial Cluster near Kuruman, Northern Cape Province. A draft EIA was completed for the development in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) and the Environmental Impact Assessment (EIA) Regulations 2014. The Cluster will consist predominantly of Small, Medium and Micro-sized Enterprises (SMME) and Small and Medium Enterprises (SME). These enterprises could possibly be of a light, medium or heavy industrial nature. Savannah contracted Jaco Van der Walt to conduct the Archaeological Impact Assessment and Banzai Environmental (Pty) Ltd for the Palaeontological Impact Assessment (PIA) for the project.

Van der Walt, J. 2016. Archaeological Impact Assessment Report for the Proposed Metals Industrial Cluster near Kuruman, Northern Cape Province

No archaeological heritage resources were identified within the proposed development area. Recommendations provided in the report include the following:

- A Chance Find Procedure should be followed to report any sites identified during the construction process; and
- If any graves are located in future they should ideally be preserved in-situ or alternatively relocated according to existing legislation. Due to the subsurface nature of archaeological remains and the fact



an agency of the
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

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 9344

Date: Thursday December 08, 2016
Page No: 2

that graves can occur anywhere on the landscape, it is recommended that a chance find procedure is implemented for the project as part of the EMP.

Butler, E., 2016. Palaeontological Impact Assessment of the Establishment of the Proposed Metals Industrial Cluster and Associated Infrastructure on Portion 6253 of Erf 1 near Kuruman, Northern Cape Province

The proposed development area is underlain by the Early Precambrian Campbell Rand Subgroup (Transvaal Supergroup, Ghaap Group). In-situ and loose stromatolites were identified within the north, eastern and central portions of the proposed development area. The impact to the identified palaeontological heritage is rated as negative medium and mitigation measures are required. Recommendations provided in the report include the following:

- Mitigation is recommended which involves the sampling, collection and recording of fossils as well as obtaining relevant data concerning the surrounding sedimentary matrix within the proposed site by a palaeontologist. The implementation of mitigation measures will reduce the significance of the impact to low. This should take place after the initial vegetation removal has taken place but before the ground is leveled or compacted;
- Where relevant, excavation of this fossil heritage will require a permit from SAHRA and the material must be housed in a permitted institution. All fieldwork and reports should meet the minimum standards for palaeontological impact studies developed by SAHRA; and
- These recommendations should be incorporated into the Environmental Management Plan for the Metals Industrial Cluster project.

Final Comment

SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit accepts and promotes the recommendations of the submitted AIA and PIA. The recommendations provided in the reports and the following conditions must be included into the Final EIA and Environmental Management Programme (EMPr) for the proposed development:

- Should the proposed development receive Environmental Authorisation, a permit application to mitigate the identified stromatolites must be submitted to SAHRA as per section 35 of the NHRA and Chapter IV of the NHRA Regulations, 2000. This must be completed by a qualified palaeontologist prior to the construction phase. No construction can occur without a permit from SAHRA;
- The permit application must include an agreement with a local repository for the long term conservation of the excavated and collected material;
- The final EIA and all appendices must be uploaded to the case file once submitted to the DEA;

Our Ref:



an agency of the
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

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 9344

Date: Thursday December 08, 2016
Page No: 3

- If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/John Gribble 021 462 5402) must be alerted. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Itumeleng Masiteng/Mimi Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required;
- Should the proposed development be granted an Environmental Authorisation, SAHRA must be informed and the decision letter must be uploaded to the case file.

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
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

Our Ref:



an agency of the
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

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 9344

Date: Thursday December 08, 2016
Page No: 4

ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/361012>
(, Ref: DENC REF NO.: NC/EIA/04/JTG/GA-S/KUR1/2016)

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.