



## Final Comment

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

Attention: Impala Platinum Limited  
PO Box 5683  
RUSTENBURG  
0300

**Impala Platinum Limited (Impala) operates a platinum mining and processing operation near Rustenburg in the North West Province. Impala is proposing to develop the following new projects:**

- **Development of No 18 shaft complex and associated linear infrastructure (during the initial stage of the EIA process it was mentioned that No 19 Shaft complex would also form part of this set of projects, but this has since been removed from the project scope)**
- **Development of three new sewage treatment plants and associated pipelines:**
  - o At the existing No 17 Shaft
  - o At the proposed No 18 Shaft within the shaft bank
  - o A new centralised plant close to the No 11C Shaft.
- **The support of some mined out areas at No 17 and 18 shafts using backfill prepared from tailings from the processing plant. These shafts will each require a tailings treatment plant, to prepare the tailings for usage as support and ventilation barriers in mined out areas, as well as associated pipelines to convey tailings to the tailings treatment plants.**

*Pistorius, JCC. May 2013. A Phase I Heritage Impact Assessment for Impala Platinum Limited (Implats) Proposed New Shaft 18 Complex in the Rustenburg (Bafokeng) District in the North-West Province (With Amendments to the Shaft 18 Complex In Order To Avoid Sites LIA03 and Site LIA04)*

*Rubidge, B. May 2011. Impala Mining Development – Palaeontological Impact Assessment*

Impala Platinum proposes the development of No 18 shaft complex and associated linear infrastructure and the development of three new sewage plants and associated pipelines within the existing mining area. A Phase 1 Archaeological Impact Assessment and a Palaeontological Desktop Assessment was submitted in support of this application. In addition, the Environmental Assessment Practitioner (EAP) provided SAHRA with the EIA and EMP for this project.

The Phase 1 AIA identified four Late Iron Age (LIA) sites labelled LIA01-LIA04. The extent of these four sites is not clearly demarcated on the map and as such it is difficult to access the impact of the proposed activities on the four sites. It was noted in the report that the sites will be impacted by the development of the Eskom substation and the author recommended that Phase 2 Impact Assessments be undertaken LIA03 and LIA04. However, Implats decided to find an alternative location for the substation to prevent any damage to the archaeological sites. The specialist recommended that the sites should not be fenced as that this will cause undue attention to the site and that the best possible course of action would be to leave them as is.

The palaeontological desktop assessment entire area is underlain by igneous rocks of the Rustenberg Layered Suite of the Precambrian Bushveld Igneous Complex and that it is highly unlikely that fossils would be



# EIA and EMP for Shaft 18, tailings backfilling and sewage treatment plants project

Our Ref:



Enquiries: Phillip Hine  
Tel: 021 462 4502  
Email: phine@sahra.org.za  
CaseID: 4197

Date: Wednesday January 01, 2014

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an agency of the  
Department of Arts and Culture

identified. However, the specialist pointed out that a small portion of the property is underlain by Quaternary alluvial deposits which may carry the possibility of fossils.

Decision:

Since the proposed project will not have a negative impact on the heritage resources identified SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objection to the proposed development. However, the following recommendations must be implemented:

1. Should the development of the Impala Platinum Mine affect any of the four sites within 200m from the site, a Phase 2 mitigation will need to be undertaken. The archaeologist will require a permit from SAHRA under s.35 of the NHRA.
2. A Conservation Management Plan must be compiled for the Late Iron Age sites (LIA01-LIA04) and submitted to SAHRA. The CMP must include recommendations for future conservation of the sites.
3. If archaeological/palaeontological or any other heritage resources are uncovered during construction activities, SAHRA APM Unit (Mrs Colette Scheermyer/Mr Phillip Hine, tel. 021 462 4502) and a archaeologist/palaeontological depending on the nature of the find must be alerted immediately to inspect the findings. If the newly discovered heritage resource is considered significant a Phase 2 mitigation assessment will have to be undertaken which will have to be funded by the developer. Please note that a permit will be required from the responsible heritage authority.

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

Yours faithfully

Phillip Hine  
Heritage Officer

Colette Scheermyer



The South African Heritage Resources Agency

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SAHRA Head Archaeologist  
South African Heritage Resources Agency

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## ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/145595>  
(DMR, Ref: NW30/5/1/2/2/130MR, 131MR, 132MR and 133MR)

## 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.



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