

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: 16450

Date: Monday February 14, 2022

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Final Comment

In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Scelimpilo Dube

Harmony Gold Mining Company Limited

Harmony Gold Mining Company (hereafter referred to as Harmony), has appointed Environmental Impact Management Services (Pty) Ltd. (EIMS) as the Environmental Assessment Practitioner (EAP) to assist with compiling the necessary reports and undertaking the statutory consultation processes, in support of the proposed expansion of the Kalgold production operation - hereafter referred to as the proposed Kalgold Expansion Project. It is anticipated that several listed activities contained in the National Environmental Management Act (Act 107 of 1998) (NEMA), National Water Act (Act 36 of 1998) (NWA), the National Environmental Management Air Quality Act (Act 39 of 2004) and the National Environmental Management Waste Act (Act 59 of 2008) (NEMWA) will be triggered by the proposed Kalgold Expansion Project. In this regard the Kalgold Expansion Project requires Environmental Authorization, amendment of the Water Use License, an Air Emissions License for the new processing plant as well as an amendment of the approved Environmental Management Programme (EMPr) and Mine Works Programme (MWP) for Kalgold mine.

Environmental Impact Management Services (EIMS) (Pty) Ltd has been appointed by Harmony Gold Mining Company to conduct an Environmental Authorisation (EA) Application for the proposed Kalgold operation production expansion project on the Remainder of Portion 1 and Portion 5 of the Farm Spanover 549, the Remaining Portion of the Farm Spanover 552, the Farm Ferndale 554, Portion 13 of the Farm Ferndale 551 and the Remaining extent of the Farm Goldridge 632, Ratlou Local Municipality, Ngaka Modiri District Municipality, North West Province.

A Scoping Report has been submitted in terms of the National Environmental Management Act, no 107 of 1998 (NEMA) and the NEMA Environmental Impact Assessment (EIA) Regulations. The scope of work includes prospecting without bulk sampling on 2557.1677 Ha for 200 boreholes (max. depth 70m) and 100 pits (10m x 4m x 2.5m).

EIMS (Pty) Ltd and PGS Heritage (Pty) Ltd have been appointed to provide heritage specialist input as part of the BAR process as required by section 24(4)b(iii) of NEMA and section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).



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Fourie, W. 2021. Heritage Scoping Report for Inclusion in the Environmental Scoping Report for the Proposed Kakgold Expansion Project, North West Province.

There are known heritage resources in the large project area, therefore, the proposed expansion could impact negatively on these resources. It is therefore recommended that a field-based assessment of the footprint area related to the expansion is done to confirm the possible presence of heritage resources based on the findings develop appropriate mitigation measures.

In an Interim Comment issued on 21/05/2021 (<https://sahris.sahra.org.za/node/574524>), the SAHRA's APM Unit acknowledged receipt of the DSR and endorsed the recommendations of the specialist for a field-based assessment of the impact of the proposed expansion to archaeological resources by a qualified archaeologist. SAHRA further requested that a desktop PIA be done as the proposed development area is in an area of moderate PalaeoSensitivity. Further comments will be issued upon receipt of the above and the draft EIA with associated appendices. Since the issuing of an Interim Comment, A DEIR, field-based AIA assessment and desktop PIA have been submitted to the application.

Sachse, M. October 2021. Heritage Impact Assessment Report, for the Proposed Kalgold Expansion Project Between Mafikeng and Vryburg, the North West Province.

The specialist undertook a field assessment to confirm the presence or lack of heritage resources of significance. The assessment did not reveal any archaeological or heritage resources on site. As a result no mitigations are proposed. However, A Chance Finds Procedure (see section 8) is recommended for the construction phase for any accidental discoveries of archaeological material.

Butler, E. November 2021. Palaeontological Impact Assessment for the Proposed Kalgold Expansion Project Between Mafikeng and Vryburg, in the North West Province.

The proposed Kalgold expansion project is underlain by the Khunwana and Ferndale Formation of the Kraaipan Greenstone Terrane (Archaean Greenstone Belts) that crops up in the western portion of the development and is mantled by aeolian sand of the Gordinia Formation (Kalahari Group). The project area is allocated a Low Palaeontological significance and it is considered that the construction of the proposed development will not lead to detrimental impacts on the palaeontological resources of the area. The development may be authorised and no further palaeontological heritage studies, ground truthing and/or

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specialist mitigation are required pending the discovery of fossils.

Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final EIA and EMPr:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the proposed development;
- 38(4)b – The recommendations of the specialists are supported and must be adhered to. No further additional specific conditions are provided for the development;
- 38(4)c(i) – 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 (Elijah Katsetse/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Ngqalabutho Madida 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
 - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;
 - The Final EIA and EMPr must be submitted to SAHRA for record purposes;
 - The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

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Yours faithfully

Elijah Dumisani Katsetse
Heritage Officer
South African Heritage Resources Agency

Phillip Hine
Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/573981>

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.