



mineral resources & energy

Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag A1, Klerksdorp, 2570

Fax : (018) 487 4394 Tel: (018) 487 4300

Directorate: Mineral Regulation: North West Region

Enquiries: D. Makamu **E-Mail:** Desmond.makamu@dmre.gov.za

Sub Directorate: Mine Environmental Management **Ref No.:** NW30/5/1/2/3/2/1/106MR EM

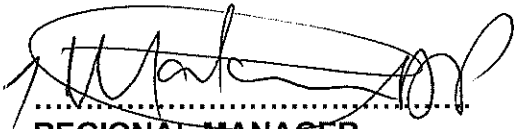
The Manager
Western Platinum (Pty) Ltd.
Private Bag x508
Marikana
0284

Attention: Suzanne van Rooy

ACKNOWLEDGEMENT OF RECEIPT OF THE APPLICATION FORM FOR AN AMENDMENT OF THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME IN TERMS OF REGULATION 31 OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO.107 OF 1998), ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 AS AMENDED IN RESPECT OF YOUR MINING RIGHT ISSUED IN RESPECT OF VARIOUS PORTIONS OF THE FARM ZWARTKOPPIES 296 JQ AND FARM ROOIKOPPIES 297 JQ; RE 32, 33, 34 AND 115 OF THE FARM ZWARTKOPPIES 296 JQ AND PORTION 35, 36, 37, 38, 39, 40, 41, 48, 54, 147, 153, 157, 164 AND 222 OF THE FARM ROOIKOPPIES 297 JQ; SITUATED IN THE MAGISTERIAL DISTRICT OF RUSTENBURG, NORTH WEST PROVINCE.

1. This Department acknowledge receipt of the application form for amendment for an Environmental Authorisation submitted to this office on **06 July 2023** in terms of regulation 31 of National Environmental Management Act, 1998 (Act No. 107 of 1998): Environmental Impact Assessment Regulations, 2014 as amended.
2. This office has evaluated your application and it was noted that your application for amendment will result in a change to the scope of a valid Environmental Authorisation. Where such change will result in an increased level or nature of impact where such level or nature of impact was not assessed and included in the initial application for environmental authorisation or taken into consideration in the initial environmental authorisation.
3. Comments on Scoping report shall be communicated once evaluation has been completed.
4. Should you have any queries you are welcomed to contact **Mr D. Makamu** of this office on the above-mentioned contact details: **018 487 4300**.

Yours faithfully



REGIONAL MANAGER

MINERAL & PETROLEUM REGULATION

NORTH-WEST REGION

DATE: 22/8/2023



mineral resources & energy

Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Directorate: Mineral & Petroleum Regulation: North West Region,
Private Bag A1, Klerksdorp, 2570 Cnr Margaret Prinsloo & Voortrekker Streets
Vaal University of Technology Building, Klerksdorp, 2571

Enquiries: Mr. Desmond Makmu **Tel:** (018) 487 4300 **Fax:** (018) 487 4394
E-Mail: desmond.makamu@dmre.gov.za **Ref:** NW 30/5/1/2/3/2/ 106 MR EM **Date:** 19 September 2023

The Manager

Western Platinum (Pty) Ltd.

Private Bag x508

Marikana

0284

Attention: Suzanne van Rooy

ACCEPTANCE OF THE SCOPING REPORT AND PLAN OF STUDY FOR ENVIRONMENTAL IMPACT ASSESSMENT AS REQUIRED IN TERMS OF REGULATION 22(A) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998): ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 LODGED IN TERMS OF REGULATION 21 OF THE ABOVE-MENTIONED REGULATIONS AS READ TOGETHER WITH SECTION 12 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2008 (ACT NO.49 OF 2008) AS AMENDED.

1. The Scoping Report (SR) and Plan of study for Environmental Impact Assessment received by this Department on 11th August 2023 refers.
2. The Department has evaluated the submitted Scoping Report (SR) and the Plan of study for Environmental Impact Assessment. The SR submitted is accepted with conditions as per Regulation 22(a) of the Environmental Impact Assessment (EIA) Regulations 2014 as amended which are as follows:
 - a) You are required to submit an Environmental Impact Assessment Report (EiAr) and Environmental Management Programme Report (EMPr) including specialist report (refer to below), which must have been subjected to a public participation process

of at least 30 days and which reflects the incorporation of comments received. Furthermore, all comments and recommendations made by all stakeholders including all relevant authorities and interested and affected parties (I&APs) as part of the SR must be taken into consideration when preparing an EIAr in respect of the proposed amendment mining right.

- b) In terms of Section 38 of the National Heritage Resources Act, Act No. 25 of 1999), the EIAr and EMPr to be submitted must include Phase 1 Heritage Impact Assessment Report. Mitigation measures and recommendations in the specialist studies must be addressed and included in the final EIAr and EMPr. In addition, the specialist must be compiled as per the requirements of appendix 6 of the EIA Regulations, 2014 as amended.
- c) "Regional map of the area and the site layout map. The maps must be of acceptable quality as a minimum, the map must have the following attributes
- Maps are relatable to one another
 - Cardinal points
 - Legible legend
 - Indicate alternatives
 - Latest land cover
 - Vegetation types of the study area

In addition, the following additional information is required for the EIAr and EMPr:

- i. A map combining the final layout map superimposed on the environmental sensitivity map.
- d) The EIAr and EMPr to be submitted as part of the EIAr must include the following notwithstanding appendixes 3 and 4 of the Environmental Impact Assessment (EIA) Regulations 2014 as amended.
- i. All recommendations and mitigation measures recorded in the EIAr and specialist studies conducted.
 - ii. You're requested to provide the quantum for financial provision.
 - iii. Attached attendance register for any held public meeting and clear site notice pictures.
 - iv. An alien invasive management plan to be implemented during construction and the actual prospecting. The plan must include mitigation measures to reduce the invasion of alien species and ensure that continuous monitoring and removal of alien species is undertaken.

3. A detailed and complete EMPr must be submitted with the EIAr. This EMPr must not provide recommendations but must indicate actual remediation activities which will be

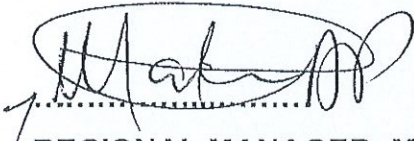
binding on the applicant. Without this EMPr the documents will be regarded as not meeting the requirements and will be returned to the applicant for correction.

4. You are required to submit the closure plan in terms of appendix 5 of NEMA regulations which addresses all the aspects.
5. Acceptance of your Scoping report does not grant you right to commence with the prospecting activities.

Take further note that the Environmental assessment report and Environmental Management Programme must be submitted to this Department within 106 days of the acceptance of the scoping report and that in terms of regulation 45 of the said regulation failure to submit the documents as requested and failure to adhere to the timeframes as stipulated shall results in your application being considered as having lapsed.

Kindly also note that your application has been assigned to Mr Mutali Mulaudzi who could be reach at the following contact details: Tel: (018) 487 4300/4398.

Yours faithfully



**REGIONAL MANAGER: MINERAL & PETROLEUM REGULATION
NORTH WEST REGION**

DATE: 19/9/2023

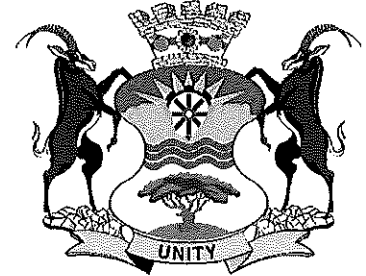
ALL THE CORRESPONDENCE SHOULD BE ADDRESSED TO THE ATTENTION OF THE REGIONAL MANAGER OF DEPARTMENT OF MINERAL RESOURCES & ENERGY, NORTH WEST REGION.

RUSTENBURG LOCAL MUNICIPALITY

OFFICE OF THE DIRECTOR

DIRECTORATE: COMMUNITY DEVELOPMENT

P O Box 16, Rustenburg, 0300, North West Province, South Africa
Tel: (014) 590 3104 Fax: (014) 590 3411 Email: tnatlapeng@rustenburg.gov.za



14 August 2023

Enq: Kelebogile Mekgoe

Attn: Lenaldi Görgens
Alta van Dyk Environmental Consultant cc
Postnet Suite #745
Private Bag x 1007
Lyttelton
0140

**DRAFT SCOPING REPORT FOR THE PROPOSED DEVELOPMENT OF A
POLLUTION CONTROL DAM (PCD) AND ASSOCIATED INFRASTRUCTURE:
SIBANYE-STILLWATER WESTERN PLATINUM MINE (PTY) LTD K4 SHAFT AREA,
RUSTENBURG**

The Directorate of Community Development within the Rustenburg Local Municipality (Unit: Integrated Environmental Management) acknowledges the receipt of the draft Scoping Report for the proposed development of a pollution control dam (PCD) and associated infrastructure for Sibanye-Stillwater Western Platinum Mine (Pty) Ltd K4 shaft, Rustenburg.

K4 shaft is currently under care and maintenance. Sibanye-Stillwater is planning to ramp up operation in the near future, extending the Life of Mine (LOM) with approximately 30 years. The current Waste Rock Dump (WRD) is located on the farm Rooikoppies, and covers an area of 30 hectares. Excess waste rock from underground mining works is deposited on waste rock dumps at WPL. The waste rock is transported to the waste rock dumps via an underground loco transport to the shafts where it is brought up to the surface. Waste rock material from K4 Shaft will be stored onto the existing approved K4 WRD.

The project area of approximately 13 hectares will be cleared for the construction of the PCD and continued disposal of waste rock material on the approved WRD footprint area. The proposed channel and berm around the approved WRD and the pipeline from the PCD to the shaft covers approximately 8.5 and 0.3 hectares respectively. The proposed project infrastructure to be constructed are:

- Waste Rock Dump, berm and channels- A V-drain catchment berm will be constructed around the current WRD.
- Pollution control dam- A Pollution control dam (PCD) will be constructed north of the current WRD and will be constructed to have a total capacity of 35 203m³ with a maximum height of 3m from the floor of the dam. PCD will contain all the dirty water runoff from the WRD, the PCD will be lined with a Class C liner in order to prevent the seepage of the dirt water to the underground.
- Pipelines- a pipeline will be constructed from the PCD to the Shaft area in order to transport the water in the PCD to existing reservoirs on the shaft for re-use. The pipeline will be 500m in length with a total pump capacity of 60m³ per hour.

The proposed development is listed in terms of National Environmental Management Act, (NEMA, Act 107 of 1998), 07 April 2017, as amended. The development triggered Regulation GNR. 982, Listing Notice 1 (GN 983) Activity 10 and 27 and Listing Notice 3 (GN 984) Activity 6 and 12.

The proposed development is listed in terms of National Environmental Management Act, (NEMA, Act 107 of 1998), 07 April 2017, as amended. The development triggered GN 983; Listing Notice 1, Activity 10: *The development and related operation of infrastructure exceeding 1000m in length for the bulk transportation of sewage, effluent, process water, waste water, return water, industrial discharge or slimes- (ii) with a peak throughput of 120 litres per second or more.*

Listing Notice 1 (GN 983) Activity 27: *The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation.*

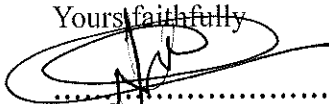
Listing Notice 2 (GN 984) Activity 6: *The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent.*

Listing Notice 3 (GN 984) Activity 12: *The clearance of an area of more than 300m² or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan (iv) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority.*

The proposed pollution control dam (PCD) and associated infrastructure will be located within the property of Sibanye- Stillwater, which has already been impacted by mining activities. The proposed infrastructure will also improve the stormwater management measures put in place.

In light of the above and the information submitted, please note that the Unit: Integrated Environmental Management support the proposed development of pollution control dam (PCD) and associated infrastructure.

Yours faithfully



Ms. Dillian Sefike

Unit Manager: Integrated Environmental Management

16/08/2023
Date:



dedect

Department:
Economic Development, Environment,
Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA



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Rustenburg
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CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

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Our Ref: NWP/DMR/27/2023
DMR Ref: NW30/5/1/2/2/106 MR

Attention: Ms Lenaldi Görgens
Alta van Dyk Environmental Consultants cc
Postnet Suite #745
Private Bag X 1007
LYTTELTON
1040

Cell No.: 082 782 4005
Email: lenaldi@avde.co.za

Dear Madam,

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED DEVELOPMENT OF A GRANITE POLLUTION DAM AND ASSOCIATED INFRASTRUCTURE AT SIBANYE STILLWATER WESTERN PLATINUM (PTY) LTD K4 SHAFT LOCATED NEAR MARIKANA WITHIN THE RUSTENBURG LOCAL MUNICIPALITY, NORTH WEST PROVINCE.

The Draft Scoping Report (DSR) submitted in respect of the above mentioned proposed, received by this Department on 06th July 2023 has reference.

Following the review of the DSR the Department notes that the applicant intends to extend the life of mine of the existing operations through:

- The expansion of the footprint of the waste rock dump
- Implementation of additional storm water management infrastructure for the containment of dirty water.

Therefore having considered all the above this Department finds the plan of study for undertaking the Environmental Impact Assessment process acceptable and recommends you continue with the process as per Regulation 22 of the 2014 Environmental Impact Assessment Regulations of 2014 as amended

Yours Faithfully

Ms. Portia Krisjan
Director: Environmental Quality Management
North West Department of Economic Development, Environment Conservation and Tourism

Date: 01/09/2023



Let's Grow North West Together



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
P.O. Box 4637 | Cape Town | 8001
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Enquiries: Sityhilelo Ngcatsha
Tel: 0212028663
Email: sngcatsha@sahra.org.za
CaseID: 22304

Date: Friday October 06, 2023
Page No: 1

Interim Comment

In terms of Section 38(8), 38(3) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Lenaldi Gorgens
Alta van Dyk Environmental Consultants cc
9 Mt Sherman Crescent,
Midlands Estate,
1692

Sibanye-Stillwater is planning to extend the life of mine at K4 Shaft with 30 years and is planning to construct additional infrastructure around the current Waste Rock Dump (WRD) footprint to contain the dirty water run-off from the WRD. The additional infrastructure includes the construction of a V-drain catchment berm, new Pollution Control Dam (PCD), a pipeline from the PCD to the shaft and an emergency spillway.

Alta van Dyk Environmental cc has been appointed by Sibanye-Stillwater - Western Platinum (Pty) Ltd to undertake the Environmental Authorisation (EA) Application for the proposed construction of the Western Platinum (Pty) Ltd - K4 shaft pollution control dam and waste rock dump GN704 Project on various portions of the Farm Zwartfontein 296 JQ and various portions of the Farm Rooikoppies 297 JQ in the Rustenburg Local Municipality, North West Province (NW30/5/1/2/2/106 MR).

The Draft Scoping Report has been submitted in terms of the National Environmental Management Act (Act 107 of 1998, as amended) (NEMA) and the 2017 amended NEMA Environmental Impact Assessment (EIA) Regulations for activities that trigger the Mineral and Petroleum Resources Development Act, No 28 of 2002 (MPRDA)(As amended). The footprint of proposed development is approximately 13 ha in extent. Additional infrastructure of the development includes V-drain catchment berm around the approved footprint of the Waste Rock Dump (WRD), the construction of a Pollution Control Dam (PCD), a pipeline from the PCD to the K4 shaft as well as an emergency spillway.

Beyond Heritage was appointed to provide heritage specialist input as required by section 24(4)b(iii) of NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

van der Walt, J. 2023. Heritage Impact Assessment for the Proposed K4 Waste Rock Dump and Pollution

Our Ref:



an agency of the
Department of Arts and Culture

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Date: Friday October 06, 2023
Page No: 2

Control Dam at the Marikana Operations Near Marikana, North West Province

Broken down foundations and a series of circular packed stone foundations or lines which could be older than 60 years were recorded. The features are of low heritage significance.

Recommendations

The structural remains at K001, K002 and K003 should be recorded and mapped prior to development, after which a destruction permit can be applied for;
Through stakeholder engagement the possible presence of graves should be confirmed prior to development;
Regular monitoring of the development footprint by the ECO to implement the Chance Find Procedure for heritage resources (outlined in Section 10.2) in case heritage resources are uncovered during construction.

Interim Comment

The SAHRA Development Application Unit (DAU) notes the submitted heritage studies along with the recommendations provided therein. The development application is located in an area of insignificant palaeontological sensitivity according to the SAHRIS PalaeoSensitivity Map, therefore the no palaeontological studies are required.

Further comments will be issued once the Draft Environmental Impact Assessment (EIA) document with its appendices have been submitted and attached to the development application on SAHRIS.

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

Yours faithfully

Sityhilelo Ngcatsha
Archaeology, Palaeontology, Meteorite Assistant
South African Heritage Resources Agency

Our Ref:



an agency of the
Department of Arts and Culture

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Enquiries: Sityhilelo Ngcatsha
Tel: 0212028663
Email: sngcatsha@sahra.org.za
CaseID: 22304

Date: Friday October 06, 2023
Page No: 3

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

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/624368>
(, Ref: NW30/5/1/2/3/2/1/106MR EM)

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.