Environmental Authorisation Process associated with the inclusion of the Doornbosch Mining Right and consolidation of the MPM EMPr amendments

Traditional Authorities and Section 21 Company Focus group meeting: 20 September 2017
WELCOME & INTRODUCTION

• Welcome and a round of introductions by all present

• **Applicants:**
  - Modikwa Platinum Mine (Rustenburg Platinum Mines Limited and ARM Mining Consortium Limited in joint venture)

• EAP: SRK Consulting
AGENDA

• Purpose of meeting
• Project description
• Legislative requirements
• Project timeframes
• Project motivation
• Specialist studies
• Impacts identified
• Stakeholder engagement
• Discussion
• Way forward
• Contact details
PURPOSE OF MEETING

• Introduce the proposed project which entails the inclusion of the Doornbosch Mining Right and consolidation of the MPM EMPr amendments
• Environmental authorisation process
• Timeframes
• Stakeholder Engagement Process
• Way Forward
MPM INFRASTRUCTURE AND MINING RIGHT AREA
PROJECT DESCRIPTION

• The Doornbosch Mining Right - mined as an extension of the existing MPM South 2 Shaft operations.
• No additional surface infrastructure will be required as a result of the mining of the reserve associated with the Doornbosch Mining Right.
• The Doornbosch area will be gap filler for South 2 Shaft.
• Thus Doornbosch will not attribute any additional opportunities as it will only be a gap filler whilst the Phase 2 project is executed.
• The intention was that the South 2 Shaft Phase 2 will continue after the completion of South 2 Shaft Phase 1 project.
• Due to capital constraints the project has been deferred, funding will only be made available in future years to come.
• Studies have indicated that the Doornbosch can be used as a gap filler whilst the capital studies are concluded.
PROJECT DESCRIPTION

• The original EMPr and the amendments to the EMPr will be consolidated into a single document.

• The consolidated EMPr will ultimately provide
  • an overview of activities and infrastructure included in each of the approved EMPRs,
  • summary of the specialist recommendations,
  • the consolidated mitigation measures to assist with the implementation and monitoring of the management measures
MODIKWA PLATINUM MINE ORIGINAL EMP AND AMENDMENTS TO THE ORIGINAL EMP

Maandagshoek* Platinum Project (January 2001)

- Amendment 1: Onverwacht Hill Project EMP (May 2001)
- Amendment: Onverwacht Platinum Tailings Dump (October 2001)
- Amendment: Surface Winze EMP Project (April 2003)
- Amendment: Hill Project EMP (June 2003)
- Amendment: Maandagshoek* Winze Project EMP (April 2003)
- Amendment: Reclamation of a Small Dump Project EMP (November 2003)
- Addendum: MPM Expansion Projects EMP (January 2009)
- Addendum: Further MPM Expansion Projects EMP (December 2010)
- Amendment: South 2 Shaft (June 2016)
- Amendment: North Ventilation Shaft and Crusher Plant (June 2016)
- Amendment: Doornbosch Mining Right (2017)

*Now known as Modikwa Platinum Mine
PROJECT MOTIVATION

• Benefits associated with the proposed Doornbosch Project include:
  o Continued long-term supply of platinum ore for further processing at the existing MPM processing plant and Polokwane Smelter.

• Benefits associated with the proposed consolidation of the EMPr’s include:
  o The development of a more effective environmental management tool for MPM’s current operations
  o A greater level of alignment between the different EMPr’s in terms of management measures and monitoring reporting requirements.
LEGISLATIVE REQUIREMENTS

• EMPr amendment process for the inclusion of the Doornbosch Mining Right and the consolidation of the EMPr amendments in terms of NEMA EIA Regulations 2014, as amended - GNR 984 Listing 2 - Activity 17.

• The environmental authorisation process entails undertaking an EIA including a Scoping and Impact Assessment Phase.
SPECIALIST STUDIES

• Extensive specialist assessments were undertaken for MPM for their existing approved EMPRs and associated Record of Decisions (RoDs) and Environmental Authorisations (EAs).

• Recommendations from the historic specialist studies will be summarised and included with the Consolidated EIA/EMPr.

• Further specialist assessments are not required for this project, as no surface disturbance will take place.

• The expansion to the Doornbosch mine will relate only to the underground mining of the reserve, in line with MPM’s approved Mining Works Programme (MWP).
POTENTIAL IMPACTS IDENTIFIED

• The Doornbosch Mining Right will be mined as an extension of the existing MPM South 2 Shaft operations. Therefore, the impacts associated with the Doornbosch addition is limited.

• There may be an increase in volume of water accumulating in workings as a result of the additional void arising from the mining
STAKEHOLDER ENGAGEMENT

• Announcement Phase - 24 August to 12 September 2017
  – Newspaper advertisements
  – Letters accompanied by BIDs
  – Site notices

• Availability of Draft Scoping Report - 4 September to 3 October 2017
  – Letters and comment forms
  – Site notice and copies of Draft Scoping Report in public places
  – Posting the Draft Scoping report on the SRK website
WAY FORWARD

• Final Scoping Report
  – Draft Scoping Report will be updated based on feedback received from stakeholders
  – Final Scoping Report will be submitted to the DMR
  – Registered stakeholders will be informed when the DMR has accepted the Final Scoping Report

• EIA/EMPr
  – Compilation of the consolidation and Draft EIA/EMPr amendment
  – Registered stakeholder comment on the consolidation and Draft EIA/EMPr
  – Registered stakeholders focus group meeting to provide input on the consolidation and Draft EIA/EMPr
CONTACT DETAILS

Stakeholder Engagement Office Contact Person:
Helen Mushiane
SRK Consulting, Stakeholder Engagement Office, P O Box 55291, Northlands, 2116
Tel: (011) 441 6152, Fax: 086 506 3365, Email: hmushiane@srk.co.za
QUESTIONS