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

Landowners Meeting: 8 September 2017
WELCOME & INTRODUCTION

• Welcome and a round of introductions by all present

• **Applicants:**
  o 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
• 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
PROJECT DESCRIPTION

• The Doornbosch Mining Right associated with portion 2 of the farm Doornbosch 294 KT, will be mined as an extension of the existing MPM South 2 Shaft operations through the existing and approved South 2 Shaft infrastructure.

• The amendment will include the activities associated with the mining of the Doornbosch reserve. The original EMPr and the amendments to the EMPr will be consolidated into a single document. The consolidation process will involve the collation of the original EMPr approved in 2001, and a number of EMPr amendments, which were developed and approved for additional activities not included in the original EMPr.

• No additional surface infrastructure will be required as a result of the mining of the reserve associated with the Doornbosch Mining Right.
LEGISLATIVE REQUIREMENTS

• MPM will apply for environmental authorisation by undertaking the EMPr amendment process for the inclusion of the Doornbosch Mining Right and the consolidation of the EMPr amendments in terms of the National Environmental Management Act (NEMA) (Act 107 of 1998) Environmental Impact Assessment (EIA) Regulations 2014, as amended.

• The proposed inclusion of the Doornbosch Mining Right into the MPM EMPr will trigger the following listed activity in terms of NEMA EIA Regulation 2014 GNR 982, as amended: GNR 984 Listing 2 - Activity 17.

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

• The EIA and EMP amendment will be prepared in accordance with the MPRDA, Regulation GN 527 of 23 April 2004 Regulations 50 and 73, and the associated listed activities under regulation GN 544, GN 545 and GN 546 printed in terms of NEMA 2013.
PROJECT TIMEFRAMES

**Scoping Phase**
- Submit Application Form
- Release Scoping Report
- Submit Scoping Report
- Authority Acceptance

**Impact Assessment Phase**
- Release EIA Report and EMP
- Submit EIA Report and EMP

**Authority Decision and Appeal Process**

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Regulated (320 days)

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30 day Public Comment Period

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30 day Public Comment Period

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We are here
PROJECT MOTIVATION

A number of benefits associated with the proposed Doornbosch Project have been identified by MPM, which include:

- Exploiting the natural mineral resources as appropriate under the MPRDA;
- The Doornbosch area will be gap filler for South 2 Shaft, the S2P1 Project enabled 50ktpm and the Doornbosch area will attribute a further 20ktpm when at steady state. The phase 2 project will ramp-up South 2 shaft to 120ktpm, which is the nameplate capacity for the Mine. Thus Doornbosch will not attribute any additional opportunities as it will only be a gap filler whilst the Phase 2 project is executed.
- Continued long-term supply of platinum ore for further processing at the existing MPM processing plant and Polokwane Smelter.
SPECIALIST STUDIES

- Extensive specialist assessments were undertaken for MPM for their existing approved EMPRs and associated Record of Decisions (RoDs) and Environmental Authorisations (EAs).
- 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).
- Recommendations from the historic specialist studies will be summarised and included with the Consolidated EIA/EMPr.
IMPACTS

• The Doornbosch Mining Right associated with portion 2 of the farm Doornbosch 294 KT, will be mined as an extension of the existing MPM South 2 Shaft operations through the existing South 2 Shaft infrastructure. Therefore, the impacts associated with the Doornbosch addition is limited.

• During the amendment of the MPM EMPr to include the activities associated with the mining of the Doornbosch reserve, the original EMPr and the amendments to the EMPr will be consolidated into a single document. The consolidation process will involve the collation of the original EMPr approved in 2001, and a number of EMPr amendments, which were developed and approved for additional activities not included in the original EMPr.

• The consolidated EMPr will ultimately provide an overview of activities and infrastructure included in each of the approved EMPrs, summary of the specialist recommendations, and the consolidated mitigation measures to assist with the implementation and monitoring of the management measures.
IMPACTS IDENTIFIED

• Socio-Economic
  - The infrastructure and activities associated with the proposed amendment project may have positive (retaining of employment and community development projects) and negative impacts (potential impacts associated with noise during construction and operational activities) on the socio-economic structure of the area.

• Groundwater
  - There may be an increase in the dewatering of aquifers as a result of water accumulating in the additional void arising from the mining of the resource.
  - There may also be an increase in volume of water accumulating in workings as a result of the additional void arising from the mining of the resource, with the additional water potentially requiring management within existing water management structures, potentially structures on surface if accumulated water is pumped from underground.
STAKEHOLDER ENGAGEMENT

• Stakeholder comment period on the Draft Scoping Report from 4 September 2017- 3 October 2017

• Distribution of a personally addressed letter to stakeholders, accompanied by a registration and comment form (in English and Sepedi), inviting stakeholders to comment on the DSR and to register as an I&AP. Stakeholders were invited to request a telephonic consultation with the Modikwa project team to discuss any, questions or comments on the DSR.

• Posting the DSR, announcement letter and comment form on the SRK website.

• The DSR, announcement letters and comment forms were made available for public viewing and comment in the same public places as for the project announcement phase.
WAY FORWARD

• Undertake Environmental Impact Assessment Process
  o Description of alternatives to be considered including the option of not going ahead with the activity.
  o Description of aspects to be assessed as part of the Environmental Impact Assessment Process.
  o Description of aspects to be assessed by specialists.
  o Proposed method of assessing the environmental aspects including the proposed method of assessing alternatives.
  o The proposed method of assessing duration significance.
  o The stages at which the Competent Authority will be consulted:
    ➢ Stakeholder engagement during impact Assessment phase
    ➢ Notification of Authority decision
CONTACT DETAILS

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QUESTIONS