

# NOTICE OF THE ENVIRONMENTAL AUTHORISATION PROCESSES FOR THE PROPOSED TUMELA CENTRAL SHAFT PROJECT, TUMELA MINE LOCATED AT AMANDELBULT SECTION NORTH OF NORTHAM, LIMPOPO PROVINCE.

## Detailed Project Description

Rustenburg Platinum Mines - Amandelbult Section (Amandelbult Section) comprises two mines; Tumela Mine and Dishaba Mine. In addition, Amandelbult Section also includes a concentrator plant at which the ore extracted from the Dishaba and Tumela Mines is processed. Amandelbult Section is an operational mine located north of Northam in the Limpopo Province. The Tumela Mine has revised its Business Plan to access resources on both the Merensky and the UG2 reef horizons, located on the farm Schildpadnest 385 KQ via a new shaft (the Tumela Central Shaft). The new shaft will be located in the Limpopo Province within the Thabazimbi Local Municipality (NP 361) and the Waterberg District Municipality (DC 36), approximately 40 km south of Thabazimbi, 15 km north of Northam and 100 km north of Rustenburg (see **Appendix A** for a locality map).

The Tumela Upper Mine comprises a series of small incline shafts and shallow raise bored shafts. The Merensky and UG2 Reefs on this shallower infrastructure will be depleted within the next five years. The ore body on both Merensky and UG2 around this shallower infrastructure are being depleted and necessitates additional hoisting capacity from depths exceeding 800 metres below surface. An additional Central Shaft is required in order to arrest the depleting production rate of the Tumela Mine. It is proposed that the Central Shaft Project will increase production to above 4 Mega tons per annum for the Tumela Mine. The objective of the Central Shaft Project will be to install infrastructure to access the 15 East mining area (refer to **Appendix B**), to greater depths on both the Merensky and UG2 reef horizons (rock layers containing mineral deposits), which will ensure production of ore from the 15 East mining area by 2019. The infrastructure will be designed for a capacity of 250 kilo tons per month (ktpm) however, only 125 ktpm will be handled during the first eight years of operation.

The envisaged activities/ infrastructure include: a Main shaft headgear and surface infrastructure, 2 ventilation shafts (downcast and upcast), a waste rock dump, refrigeration plant(s), additional electrical reticulation and instrumentation (including a main Eskom substation); compressed air infrastructure, emergency power generation infrastructure, mine stores (including: explosives shed, timber yard, winder house, lamp house, salvage yard, and workshops), water management infrastructure, offices (including change-houses), waste management systems, and security systems (including access control).

In order for the proposed activities to commence the Amandelbult Section requires authorisation from various government Departments in line with relevant environmental legislation. The Limpopo Economic Development, Environment and Tourism (LEDET), the Department of Mineral Resources (DMR), and the Department of Water Affairs (DWA) will be responsible for authorising the Scoping and EIA process in accordance with the National Environmental Management Act (No. 107 of 1998) (NEMA), the Environmental Management Programme Report amendment (EMPR) process in accordance with the Minerals and Petroleum Resource Development Act (No 28 of 2002) (MPRDA) and the Water use License Application (WULA) process in accordance with the National Water Act (No. 36 of 1998) (NWA), respectively.

**WSP Environment and Energy (WSP)** has been appointed as the independent environmental assessment practitioner to undertake the environmental authorisation process for the project and to facilitate stakeholder engagement.

## ***Purpose of this Document***

---

This background information document (BID) introduces all stakeholders to the proposed project. This document forms part of the stakeholder consultation process, undertaken as a component of the environmental authorisation process and is intended to provide stakeholders with adequate information to comment on the project.

The BID details the project, the environmental authorisation process, the role of stakeholders in the process as well as to encourage stakeholders to comment on the project, ask questions and raise issues that should be included in the project documents. Aside from this document, at various stages of the environmental authorisation process, information and reports will be made available for stakeholders to comment on.

## ***Legal framework***

---

In accordance with NEMA, Government Notice Regulation (GN. R) 544 and 545, the undertaking of certain listed activities requires environmental authorisation.

The activities listed in GN. R 544 associated with the proposed project include (but are not limited to):

- Activity 9: The construction of facilities or infrastructure exceeding 1000 metres in length for the bulk transportation of water, sewerage or storm water-
  - I. With an internal diameter of 0.36 metres or more; or
  - II. With a peak throughput of 120 litres per second or more,
- Activity 12: The construction of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50000 cubic metres or more, unless such storage falls within the ambit of activity 19 of Notice 545 of 2010;
- Activity 13: The construction of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500 cubic metres; and
- Activity 23: The transformation of undeveloped, vacant or derelict land to-
  - I. Residential, retail, commercial, recreational, industrial or institutional use, inside an urban area, and where the total area to be transformed is 5 hectares or more, but less than 20 hectares, or
  - II. Residential, retail, commercial, recreational, industrial or institutional use, outside an urban area, and where the total area to be transformed is greater than 1 hectare but less than 20 hectares.

The activities listed in GN. R 545 associated with the proposed project includes (but are not limited to):

- Activity 5: The construction of facilities or infrastructure for any process or activity which requires a permit or license in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent and which is not identified in Notice No. 544 of 2010 or included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case that Act will apply.

Application for environmental authorisation (in the form of a Scoping and EIA process) for activities listed in GN. R 544 and 545 was submitted to the LEDET on the 11<sup>th</sup> of February 2013.

The following water use activities listed under Chapter 4, Section 21 of NWA are considered relevant and will require authorisation in the form of an amendment to the existing Integrated Water Use Licence Application (WULA) or alternatively the submission of a separate WULA:

- 21 (g): disposal (storage) of water containing waste.

A meeting with the DWA has been scheduled to detail the way forward.

Furthermore, Amandelbult Section is required to undertake an EMPR amendment process, in line with the MPRDA due to the alteration/ expansion of activities within the mine lease area. A notification letter has been submitted to the DMR to indicate the commencement of the environmental authorisation process.

### Stakeholder Consultation Process

The purpose of stakeholder engagement is to consult with interested and affected parties in the public and private sectors in the decision-making process on projects which may affect them. The process aims to develop and maintain open channels of communication between the project team and stakeholders. This process provides stakeholders with the opportunity to express their views and concerns regarding the proposed project through project correspondence. The environmental assessment practitioner documents the views and concerns of stakeholders, and makes the project team and relevant authority(s) aware of issues that need to be considered during the compilation and evaluation of the potential risks and impacts associated with the project.

### Who is a Stakeholder?

Any person, group of persons or organisation interested and/ or affected by the proposed development.

To become a registered stakeholder and to receive further correspondence about the EIA/ EMPR amendment process, or to provide comment on the proposed project, kindly send your contact details and comments to Jared O'Brien:

Tel: 011 361 1396  
Fax: 086 505 3939  
Address: P.O. Box 5384, Rivonia, 2128  
Email: Jared.O'Brien@wspgroup.co.za

A comment sheet has is attached to this document for your convenience.

## Stakeholder Engagement

The first steps are to notify the public and identified stakeholders of the proposed project and invite all stakeholders to a public meeting through the following mediums:

- Newspaper advertisements in the Rustenburg Herald and the Platinum Weekly on 22/02/2013;
- Site notices in and around the project area on 22/02/2013;
- Written notification letters to surrounding landowners and municipal ward councillors on 22/02/2013; and
- Distribution of the BID to stakeholders on 22/02/2013.

### PUBLIC MEETING

A public meeting will be held in order to outline the details of the project to stakeholders and provide an opportunity for stakeholders to raise questions and indicate potential issues or risks associated with the project. The details of the meeting are as follows:

- Venue: Amandelbult Recreation Club
- Date: 11 March 2013
- Time: 16:00pm - 17:00pm

Should you wish to attend the Public Meeting, please respond to Jared O'Brien by 8 March 2013.

## Scoping Report and EIAR/EMPR amendment Report for Public Review

A Scoping Report has been compiled in accordance with the NEMA and the MPRDA, and outlines the process that will be followed for stakeholder engagement and for EIA Phase of the project. The report describes the receiving environment and lists the potential impacts of the project as identified in the Scoping Phase. The report indicates the specialist studies (including methodologies) that will be undertaken to investigate identified impacts. The draft Scoping Report is available for public and state department review for a period of 40 days prior to submission to the LEDET and the DMR.

### PUBLIC REVIEW OF SCOPING REPORT

The Scoping report will be made available from 22/02/2013 to 03/04/2013 for public review at the following locations:

- Tumela Mine Main Office;
- Office of traditional authorities (Montserre);
- Amandelbult Recreation Club;
- Northam Library; and
- WSP's website ([www.wspenvironmental.com/publicreview](http://www.wspenvironmental.com/publicreview)).

Subsequent to the Scoping Report, an EIAR/ EMPR amendment report will be compiled. This report will outline the stakeholder consultation process and include all comments or issues raised during the process. Additionally, the report will rate the anticipated impacts against a ratings table in order to assess the severity, duration, extent and significance of the impact, and include any cumulative impacts on the receiving environment. Mitigation measures will be developed in order to minimise negative impacts associated with the project. The draft EIAR/ EMPR amendment will also be placed on public and state department review for a period of 40 days prior to submission to the LEDET and the DMR.

Kindly register with Jared O'Brien in order to receive information about the location of the draft reports and review period via email, facsimile, telephone, registered mail and/ or SMS. Any comments received will be addressed and included in the report prior to the final drafts being submitted to the responsible departments for review and authorisation.

# Registration and Comments Sheet

To be a registered stakeholder and ensure all comments and queries regarding this project are accurately documented and addressed please forward your comments and contact details with the attached response sheet to Jared O'Brien by 16 June 2013:

**Jared O'Brien**  
**WSP Environmental (Pty) Ltd**  
**Address:** P.O. Box 5384, Rivonia, 2128  
**Tel:** 011 361 1396  
**Fax:** 086 505 3939  
**Email:** Jared.O'Brien@wspgroup.co.za

Please insert your personal details below:

<b>Name:</b>	
<b>Organisation and Designation:</b>	
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	
<b>E-mail:</b>	

Please list your interest in the project and comments below:




Appendix A: Locality Map



Key	
	Rivers
	Roads
	Tumela Mine

Appendix B: 15 East Area Map

