

02 July 2014

Dear Stakeholder,

## **NOTICE OF A BASIC ASSESSMENT PROCESS FOR THE DECOMMISSIONING OF THE KLIPFONTEIN CONCENTRATOR AND ASSOCIATED INFRASTRUCTURE AT ANGLO AMERICAN PLATINUM LIMITED: RUSTENBURG PLATINUM MINES – RUSTENBURG SECTION**

### **1. PROJECT DESCRIPTION AND LOCATION**

The Klipfontein Concentrator was commissioned in 1931 and processed approximately 120 000 tons of ore per month. The Klipfontein Concentrator is located on the Farm Klipfontein 300 JQ within the Rustenburg Local Municipality and the Bojanala Platinum District Municipality of the North West Province. Anglo American Platinum: Rustenburg Section (RPM-RS) decided to remove the Klipfontein Concentrator from active service (mothballed in 2007) due to the technological capabilities available at two new Concentrators. RPM-RS propose to decommission the redundant Klipfontein Concentrator (Proposed Project) to support rehabilitation of the site. In 2008, RPM-RS identified that land on which the Proposed Project is located is considered a hotspot for contamination resulting from historic processing activities at the Klipfontein Complex.

### **2. ENVIRONMENTAL APPLICATION**

As the Klipfontein Concentrator involves the decommissioning of a facility which is located on partially contaminated land, environmental authorisation is required according to the National Environmental Management Act (No. 107 of 1998) (NEMA) prior to the commencement of the Proposed Project. The following Government Notice Regulation (GNR) 544 listed activities are applicable to the Proposed Project:

- Activity 27 (iv): The decommissioning of existing facilities or infrastructure for activities, where the facility or land on which it is located is contaminated; and
- Activity 27 (v): The decommissioning of existing facilities or infrastructure, for storage, or storage and handling, of dangerous goods of more than 80 cubic metres.

The applicant is thus required to undertake a Basic Assessment (BA) process in order to achieve environmental authorisation.

The North West Department of Economic Development, Environment, Conservation and Tourism (NWDEDECT) will be responsible for considering the application for Environmental Authorisation in terms of the NEMA.

### **3. STAKEHOLDER REGISTRATION**

WSP Environmental (Pty) Ltd (WSP) has appointed as the environmental assessment practitioner (EAP) to manage the BA process. This process includes consultation with parties who may be affected by, or have an interest in, the Proposed Project. WSP will notify registered stakeholders of the date and location of the draft BA report once the report has been compiled and released for public review. Registered stakeholders will have a period of 40 days in which to review and comment on the draft BA report. Furthermore, registered stakeholders will be provided with an opportunity (14 days) to review the final BA report.

WSP Environmental (Pty) Ltd  
WSP House  
Bryanston Place  
199 Bryanston Drive  
Bryanston, 2021  
Tel: +27 (0)11 361 1380  
Fax: +27 (0)11 361 1381  
<http://www.wspenvironmental.co.za>  
Reg. No: 1995/08790/07

WSP Group plc  
Offices worldwide

#### 4. PURPOSE OF THIS NOTICE

This letter has the purpose of notifying stakeholders of the commencement of the BA process. Parties wishing to register as stakeholders, in order to offer their comment on the Proposed Project, are requested to forward their full contact details to Claire Dendy (contact details provided below). Registered stakeholders will be forwarded all future correspondence, and notified individually of additional opportunities to participate in the process.

In addition to the information provided herewith, a background information document (BID) has been attached in **Appendix A** for the purpose of:

- Providing background information regarding the Proposed Project;
- Providing an outline of the processes being followed in conducting the abovementioned processes;
- Informing members of the public of their rights and responsibilities regarding participation at certain stages during the BA process;
- Assisting the public to formulate their comments in a manner that will ensure that they can be afforded due attention in certain stages of the BA process;

Should you have any issues or queries, please do not hesitate to contact the undersigned.

Regards,

A handwritten signature in black ink, appearing to read 'Claire Dendy', is positioned above the printed name.

**Claire Dendy**  
**Environmental Consultant**

Tel: 011 361 1334

Fax: 011 361 1381

Email: [Claire.Dendy@wspgroup.co.za](mailto:Claire.Dendy@wspgroup.co.za)





# NOTICE OF ENVIRONMENTAL ASSESSMENT

Basic Assessment for the Decommissioning of the Klipfontein Concentrator and Associated Infrastructure at Anglo American Platinum Limited: Rustenburg Platinum Mines – Rustenburg Section

## BACKGROUND INFORMATION DOCUMENT

### Project Overview

#### Anglo American Platinum Limited: Rustenburg Platinum Mines – Rustenburg Section

Anglo American Platinum Limited: Rustenburg Platinum Mines – Rustenburg Section (RPM-RS) mines, processes, refines and markets platinum and other platinum group metals (PGMs) as well as base metals at their Rustenburg operation. RPM-RS is one of a number of RPM operations across South Africa.

The ore extracted by RPM-RS includes that of two ore bodies, namely the Merensky Reef and the UG2 Reef at various shafts contained within the RPM-RS mine lease area. RPM-RS utilise various mining methods such as hybrid, board and pillar, conventional stopping, trackless development and opencast mining in order to extract the ore depending on the geological structure of the area being mined and the surface conditions. Following extraction from the reef the ore is passed through a number of processing and beneficiation stages in order to extract the required precious and base metals. The infrastructure required includes but is not limited to the following:

- Concentrators;
- Smelters;
- Precious Metals Refinery; and
- Base Metals Refinery.

RPM-RM has a planned life of mine of approximately 30 years.

#### RPM-RM: Concentrators

The RPM-RM Concentrators include the following:

- Frank Concentrator (Decommissioned);
- Klipfontein Concentrator (to be Decommissioned);
- UG2 Concentrator (Operational); and
- The Waterval Concentrator (Operational).

The Concentrators have the purpose of reducing ore to a concentrate matte which can be transferred to the smelters for further beneficiation. Each Concentrator is comprised of, but not limited to, the following main infrastructure:

- Crushing Plant;
- Milling Cells;
- Flotation Pods;
- Thickeners; and
- Filtration.

The Concentrators form an integral part of the RPM-RS operation. This document specifically focuses on the Klipfontein Concentrator.

## Klipfontein Concentrator

The Klipfontein Concentrator was commissioned in 1931. The Concentrator had the capacity to process approximately 120 000 tons of ore per month. Following the establishment of the UG2 and the Waterval Concentrators, RPM-RS decided to remove the Klipfontein Concentrator from active service (mothballed in 2007) due to the technological capabilities available at the two new Concentrators (i.e. the increased efficiency). As such, the Klipfontein Concentrator is considered a redundant plant and is currently under care and maintenance. Contaminated hotspots occur across the Klipfontein Concentrator area which resulted from historic processing activities.

## Proposed Project

RPM-RS proposes to decommission the infrastructure associated with the Klipfontein Concentrator in 2015 (Proposed Project). The following areas of the Klipfontein Concentrator are to be decommissioned and dismantled:

- Milling Section;
- Thickener section;
- Filtration section;
- Reagent section;
- Crusher section;
- Flotation section;
- Redressing section; and
- General areas.

Certain infrastructure associated with the Concentrator will remain on-site as the infrastructure is still considered useful to RPM-RS, which includes the following:

- Concentrator offices;
- Concentrator workshop; and
- Concentrator change houses.

**Figure 1** indicates which of the infrastructure will remain and which infrastructure will be demolished.

## Project Location

---

### RPM-RS

RPM-RS is located in the North West Province within the Rustenburg Local Municipality and the Bojanala Platinum District Municipality, approximately 11 km east of Rustenburg. The RPM-RS mine lease area covers an area of approximately 16 651 hectares (**Figure 2**).

### Klipfontein Concentrator

The Klipfontein Concentrator is situated on the Remainder of Portion 2 of Klipfontein 300 JQ (**Figure 3**). The Concentrator occupies an area of approximately 20ha.

## Purpose of this Document

---

This background information document (BID) introduces all interested and affected parties (also referred to as Stakeholders) to the Proposed Project. This document forms part of the Stakeholder engagement process undertaken as a component of the environmental authorisation process and is intended to:

- Provide background information regarding the project;
- Provide an outline of the process being followed in conducting the Basic Assessment (BA);
- Inform Stakeholders of their rights and responsibilities regarding public participation in certain parts of the authorisation and rectification procedure; and
- Invite the public to register as Stakeholders and participate in the environmental authorisation process for the proposed project.

## Legal Framework

---

### National Environmental Management Act (No. 107 of 1998)

The National Environmental Management Act (No. 107 of 1998) (NEMA) is South Africa's overarching environmental legislation. The NEMA has a primary objective, to provide for co-operative governance by establishing principles for decision making on matters affecting the environment, institutions that will promote co-operative governance and procedures for co-ordinating environmental functions exercised by organs of state.

In terms of the NEMA the Minister of the Department of Environmental Affairs (DEA) may identify activities which may not commence without prior authorisation from the Minister or member of the Executive Committee (MEC). As such, the Minister of the DEA thus published Government Notice Regulation (GNR) 544 (Listing Notice 1), GNR 545 (Listing Notice 2) and GNR 546 (Listing Notice 3) (18 June 2010) listing activities that may not commence prior to environmental authorisation from the Minister or MEC.

Government Notice Regulation (GNR) 544 identifies activities that require a BA process to be undertaken, in terms of the Environmental Impact Assessment (EIA) Regulations of 2010, prior to commencement of that activity.

### Proposed Project Legal Triggers

As the Klipfontein Concentrator involves the decommissioning of a facility which is located on partially contaminated land, environmental authorisation is required prior to the commencement of the Proposed Project. The following GNR 544 listed activities are applicable to the Proposed Project:

- Activity 27 (iv): The decommissioning of existing facilities or infrastructure for activities, where the facility or land on which it is located is contaminated; and
- Activity 27 (v): The decommissioning of existing facilities or infrastructure, for storage, or storage and handling, of dangerous goods of more than 80 cubic metres.

The applicant is thus required to undertake a BA process in order to achieve environmental authorisation.

The North West Department of Economic Development, Environment, Conservation and Tourism (NWDEDECT) will be responsible for considering the application for Environmental Authorisation in terms of the NEMA.

### Environmental Assessment Practitioner

---

RPM-RS commissioned WSP Environmental (Pty) Ltd to facilitate the BA process, in accordance with the NEMA, with specific reference to GNR 543 and 544 of 2010. WSP is a leading South African environmental consultancy with a broad range of expertise and over 20 years' experience in the regional environmental market. While we form part of WSP Group, a global engineering and environmental multi-consultancy, we are also committed to transformation in our operational region, with 26% Broad Based Black Economic Empowerment (BBBEE) ownership and having achieved Level 3 BBBEE in South Africa. As part of a global business we provide the regional marketplace with a dynamic blend of local and global expertise.

# What does the Environmental Authorisation Process consist of?

## Stakeholder Engagement

---

The first steps are to notify the public and previously identified Stakeholders of the Proposed Project. Notification is accomplished by various means to ensure a transparent process and will include details of the Proposed Project as well as instructions on how to register as a Stakeholder. This includes:

- Publication of a newspaper advertisement in the following newspapers:
  - The Rustenburg Herald; and
  - Platinum Weekly.
- Erection of site notices in and around the project area;
- Written notification letters to Stakeholders;
- Distribution of the BID to Stakeholders;
- Notification of Draft and Final BA Report (inclusive of Environmental Management Programme) availability for public comment.

The draft BA Report will be compiled and be placed on public review for a period of 40 days. The BA Report will be updated to reflect comments received from Stakeholders during the public review period. The Final BA Report will be submitted to the NWDEDECT for consideration. Stakeholders will be allocated 14 days to review the Final BA Report in electronic format. Registered Stakeholders will be notified of the review period via email, facsimile and short messaging system notification.

## Stakeholder Engagement Process

---

The Stakeholder engagement process is an integral part of the BA process, and continues throughout this process. This section provides more detail on the Stakeholder engagement process.

### Step 1: Notify the Authority of BA Process

- Submit an application for **BA** to the NWDEDECT.

### Step 2: Notify Stakeholders and Identify Issues

- Notify Stakeholders of the Proposed Project;
- Identify any issues/concerns of Stakeholders; and
- Provide Stakeholders with a BID on the Proposed Project, including a locality map and a registration/issues form. Stakeholders are required to register and declare their interest in the Proposed Project in order to receive further information.

### Step 3: Public Review of Draft BA Report

- Issues and concerns raised by registered Stakeholders are contained in a Comment Response Report for inclusion in the Draft BA Report;
- The Draft BA Report is released for a 40 day comment period;
- All registered Stakeholders will be notified in writing of the opportunity to comment; and
- Copies of the Draft BA Report will be made available at public places and on the WSP website.

### Step 5: Final BA Report

- Comments received from registered Stakeholders during the Draft BA Report review process are considered in the compilation of the Final BA Report before it is submitted to all relevant authorities for their review and approval;
- Registered Stakeholders are allocated a 14 day period in which to review the Final BA Report;
- Comments received during this period will be submitted to the Authority in the form of a comments and response report;
- The NWDEDECT will have a legislated period of 44 days to review and either accept or reject the Final BA Report; and
- All Stakeholders on the project database will be notified in writing of the NWDEDECT decision.

### Step 6: Public Notification of Decision and Appeal Period

- All registered Stakeholders on the project database will be notified in writing regarding the environmental authorisations for the project and the appeal period, as well as the manner of appeal.

## Why is your Participation Important?

---

Participation is in everyone's best interest because it:

- Provides opportunities for Stakeholders and the authorities to obtain clear, accurate and understandable information about the Proposed Project;
- Provides members of the public with the opportunity to provide comments (both positive and negative) regarding the environmental impacts of the Proposed Project;
- Provides Stakeholders with the opportunity to suggest ways of reducing or mitigating any negative impacts of the Proposed Project, or for enhancing its benefits;
- Will enable the Proposed Project to incorporate the needs, preferences and values of Stakeholders into project decisions; and
- Contributes toward maintaining a healthy, vibrant democracy.

## How can you get involved?

---

- By responding (by phone, fax or e-mail) to our invitation for your involvement;
- By mailing, faxing or e-mailing the attached comment form to WSP;
- By telephonically contacting WSP if you have a query, comment or require further project information; and
- By reviewing the Draft BA Report within the relevant review periods and sending your comments to WSP.

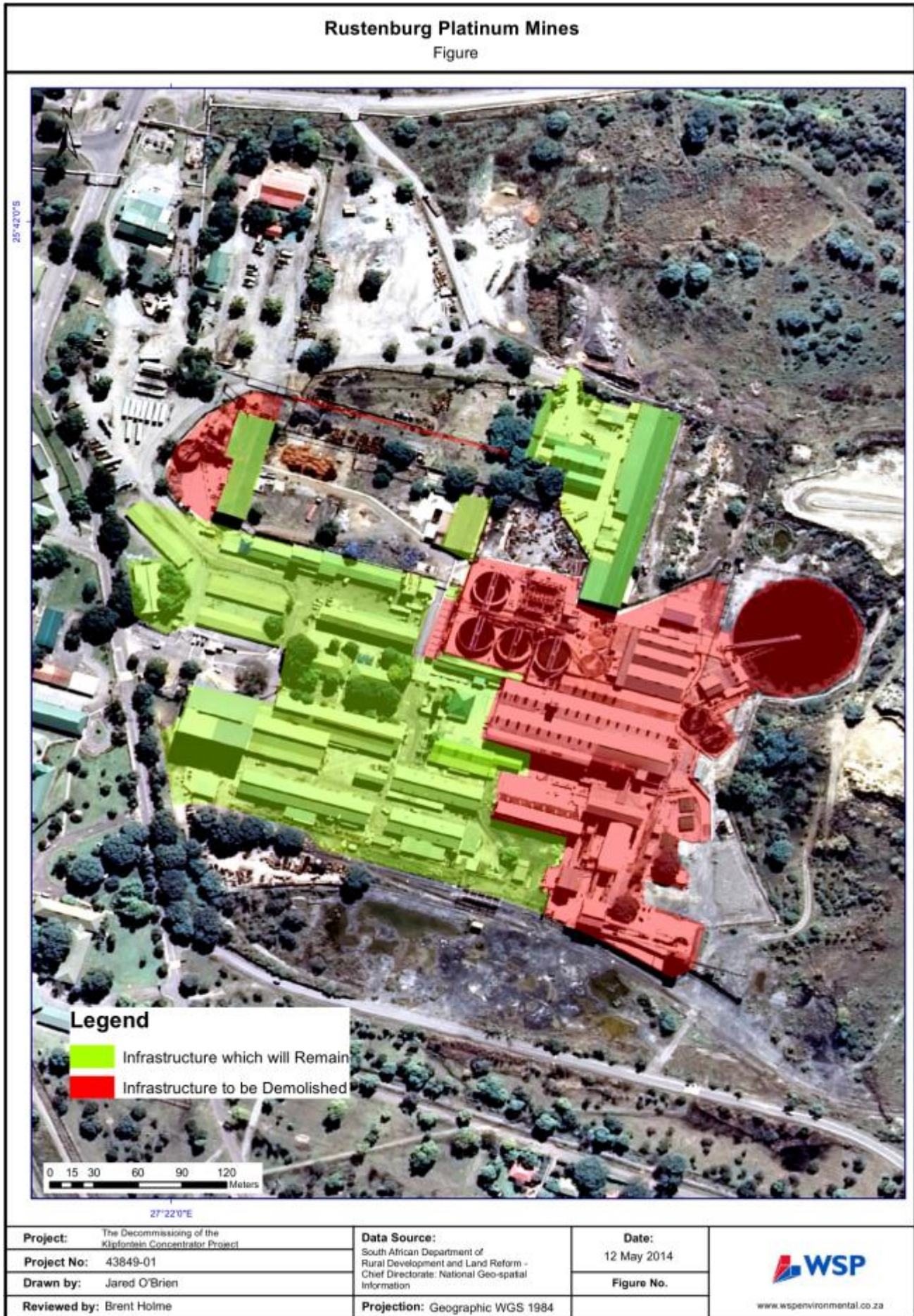
## Basic Assessment process

---

A BA process will be conducted to identify the potential impacts associated with the Proposed Project and outline the measures that must be taken to avoid or reduce negative impacts, and enhance positive impacts. In addition, the BA process must illustrate the issues, concerns and suggestions raised by Stakeholders. The BA will follow the process illustrated in **Figure 4**.



# Figures



**Figure 1: Remaining/Demolished Infrastructure**



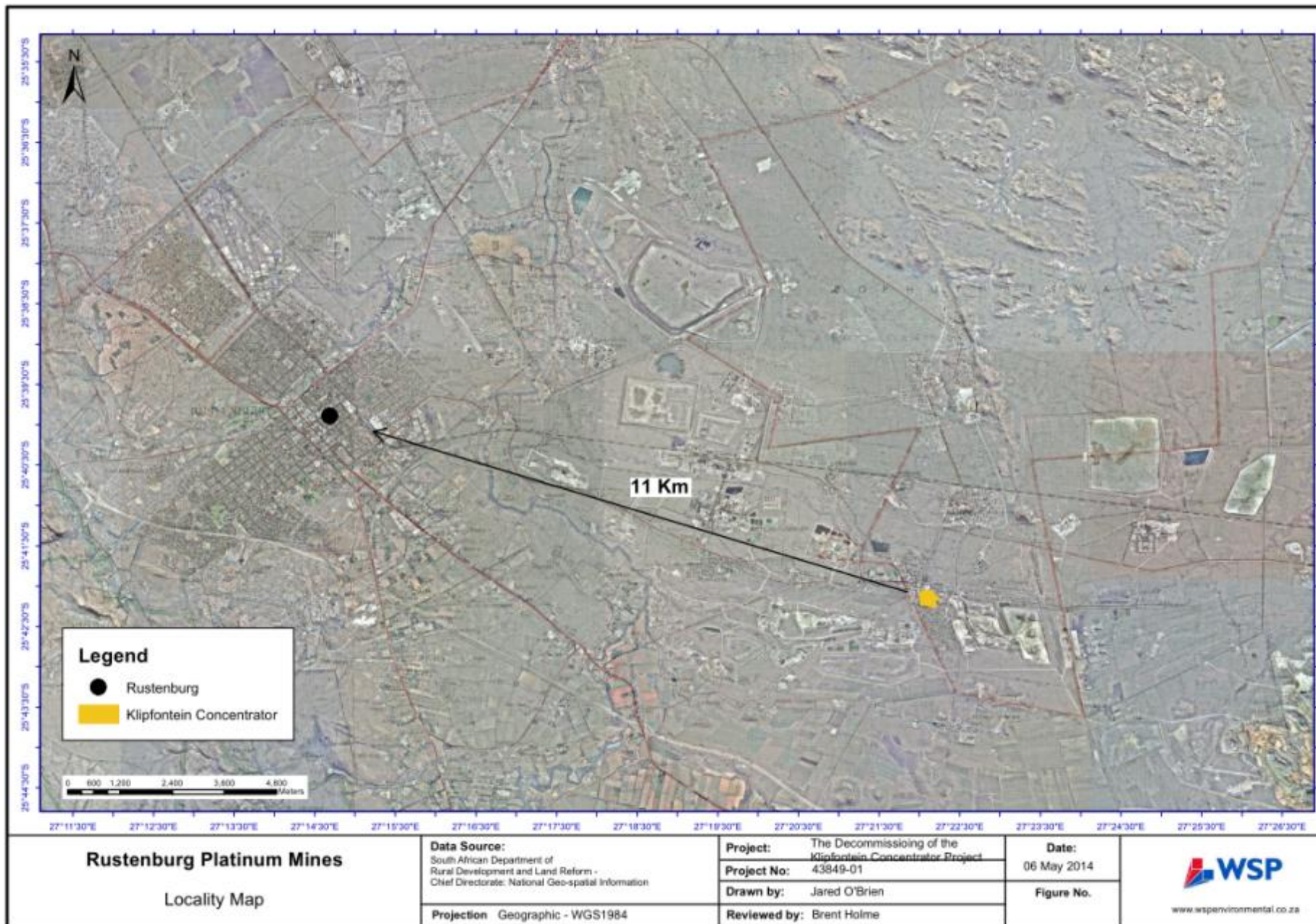


Figure 2: Locality Map



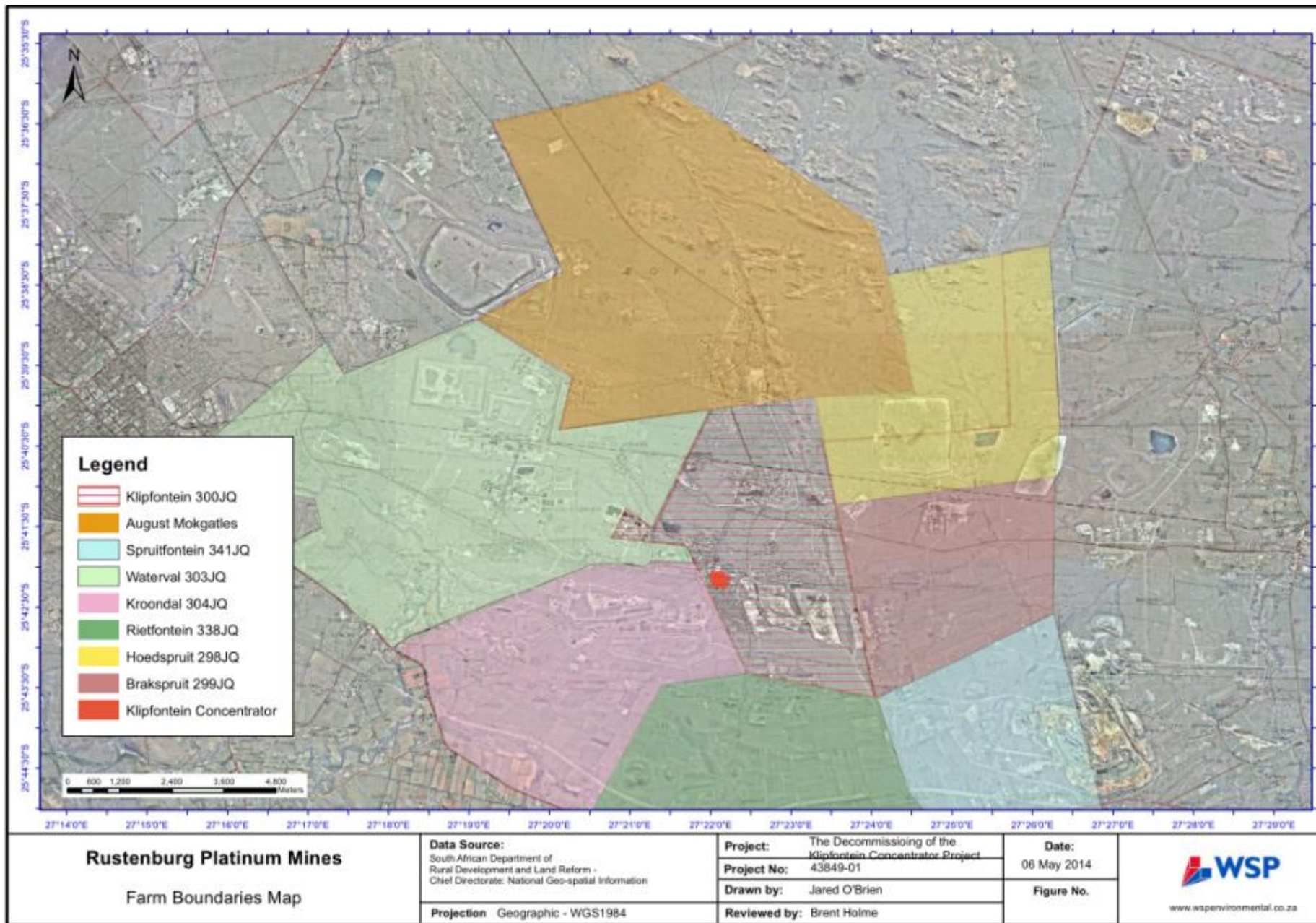


Figure 3: Farm/Portion Map

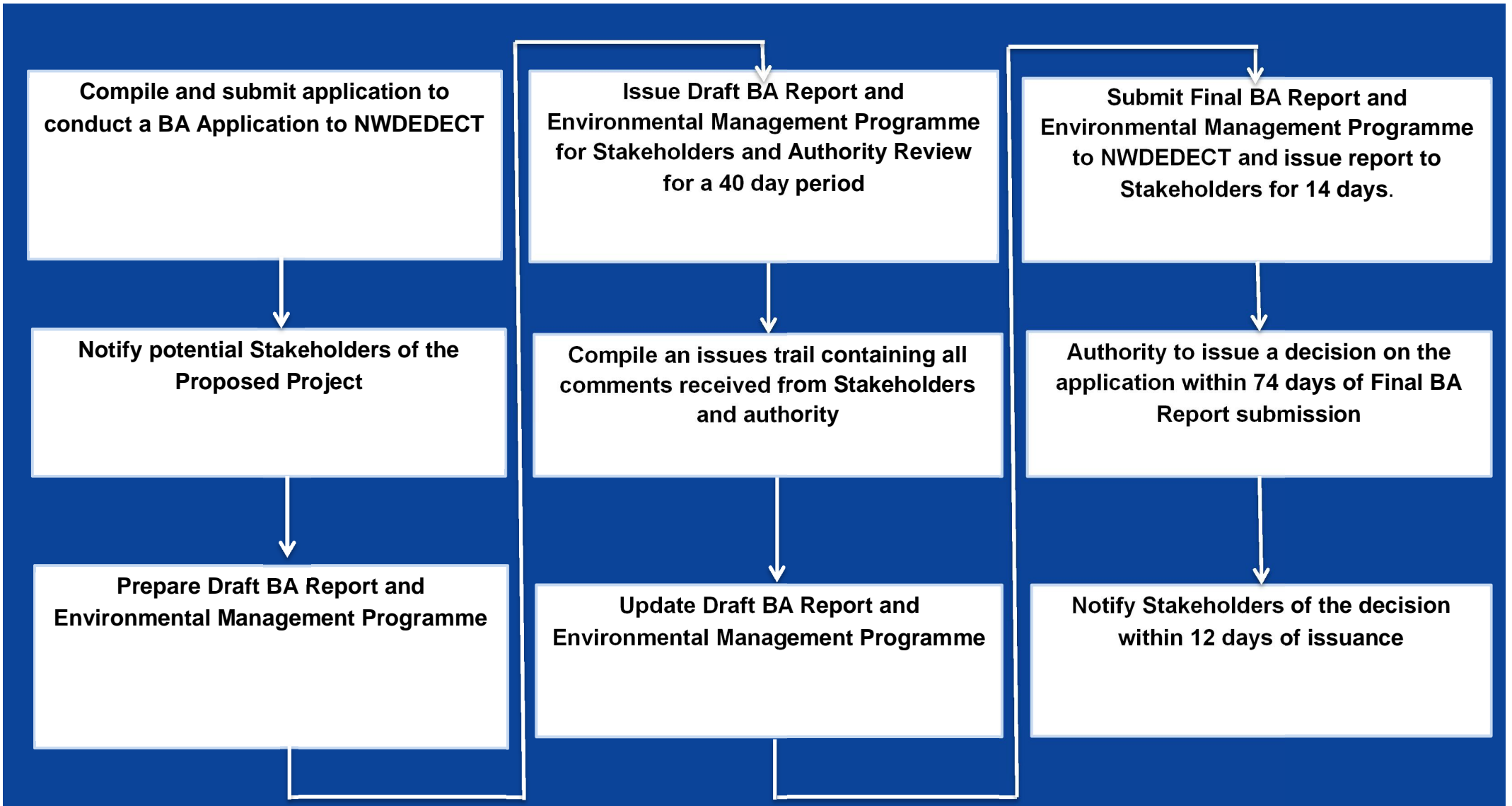


Figure 4: Basic Assessment Process

# Registration and Comments Sheet

**The Proposed Decommissioning of the Klipfontein Concentrator and Associated Infrastructure at  
Anglo American Platinum Limited: Rustenburg Platinum Mines – Rustenburg Section  
(NWDEDECT Reference: NWP/EIA/12/2014)**

To be a registered Stakeholder and ensure all comments and queries regarding the Proposed Project are accurately documented and addressed please forward your comments and contact details with the attached response sheet to:

**Claire Dendy**  
**WSP Environmental (Pty) Ltd**  
**Address:** P.O. Box 98867, Rivonia, 2151  
**Tel:** 011 361 1334  
**Fax:** 011 361 1381  
**Email:** Claire.Dendy@WSPGroup.co.za

*Please insert your personal details below:*

<b>Name:</b>				
<b>Organisation &amp; Designation:</b>				
<b>Address:</b>				
<b>Tel:</b>				
<b>Fax:</b>				
<b>E-mail:</b>				
<b>I would like my notifications by: (please tick the appropriate box)</b>	<b>Letter (mail)</b>	<b>E-mail</b>	<b>Fax</b>	<b>Telephone</b>

**In terms of GNR 543 (BA process regulations) please disclose below any direct business, financial, personal or other interest that you may have in the granting or rejection of the application for environmental authorisation:**

.....  
 .....

**Please list your interest in the project and comments below:**

.....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....