

IMPALA PLATINUM LIMITED BACKGROUND INFORMATION DOCUMENT

PROPOSED EXPANSION OF THE PARKING AREA AT THE SHAFT 16 COMPLEX, IMPALA PLATINUM MINE, RUSTENBURG OPERATION

JUNE 2021

INTRODUCTION

Impala Platinum Limited (Impala), a member of the Implats group of companies, has a platinum group metals (PGM) mining and processing operation located approximately 16 km north-north-west of the town of Rustenburg, in the Rustenburg Local Municipality and the Bojanala Platinum District Municipality, North West province. A locality map is provided in Figure 1.

Impala holds existing Environmental Authorisations (EAs) and licenses under the Mineral and Petroleum Resources Development Act, 28 of 2002 (MPRDA), the National Environmental Management Act, 107 of 1998 (NEMA), the National Water Act, 36 of 1998 (NWA), the National Environmental Management: Waste Act, 59 of 2008 (NEM: WA) and the National Environmental Management: Air Quality Act, 39 of 2004 (NEM: AQA).

Impala's Shaft 16 Complex is located on the farm Reinkoyalskraal 278 JQ and comprises of a main shaft for access to the underground areas, waste rock dump (WRD) and stockpile areas, and support services.

As part of its on-going mine planning, Impala has identified the need for additional parking bays on site to accommodate the increasing number of employees at the Shaft 16 Complex using their own vehicles. In this regard, Impala is proposing to expand the parking area.

PURPOSE OF THIS DOCUMENT

This document has been prepared to inform you about:

- The proposed project;
- The project alternatives considered;
- The biophysical, cultural and socio-economic baseline environment of the project area;
- The environmental assessment processes being followed;
- Possible biophysical, cultural and socio-economic impacts and related specialist input; and
- How you can have input into the environmental assessment process.

ENVIRONMENTAL AUTHORISATION PROCESS

Prior to the commencement of the proposed project the following is required:

- An amended Environmental Management Programme (EMPr) in terms of Section 102 of the MPRDA from the competent authority.
- An EA in terms of the NEMA for activities in Listing Notice 1 (Government Notice Regulation (GNR) 983 of 2014), as amended, from the competent authority. The relevant Environmental Impact Assessment (EIA) Regulations are Government Notice Regulation (GNR) 982 of 4 December 2014, as amended.

The environmental assessment process includes a pre-application phase, a Basic Assessment Report (BAR) phase and a competent authority review phase. SLR Consulting (Africa) (Pty) Ltd (SLR), an independent firm of environmental consultants, has been appointed by Impala to manage the EA process.

YOUR ROLE:

You have been identified as an interested and affected party (I&AP) who may want to be informed about the proposed project and have input into the environmental assessment process and reports.

You have an opportunity to review this document and to provide your initial comments to SLR for incorporation in the environmental assessment process.

You will also be given the opportunity to review and comment on the BAR. All comments will be recorded and included in the reports submitted to the competent authority for decision-making.

COVID-19 RESTRICTIONS:

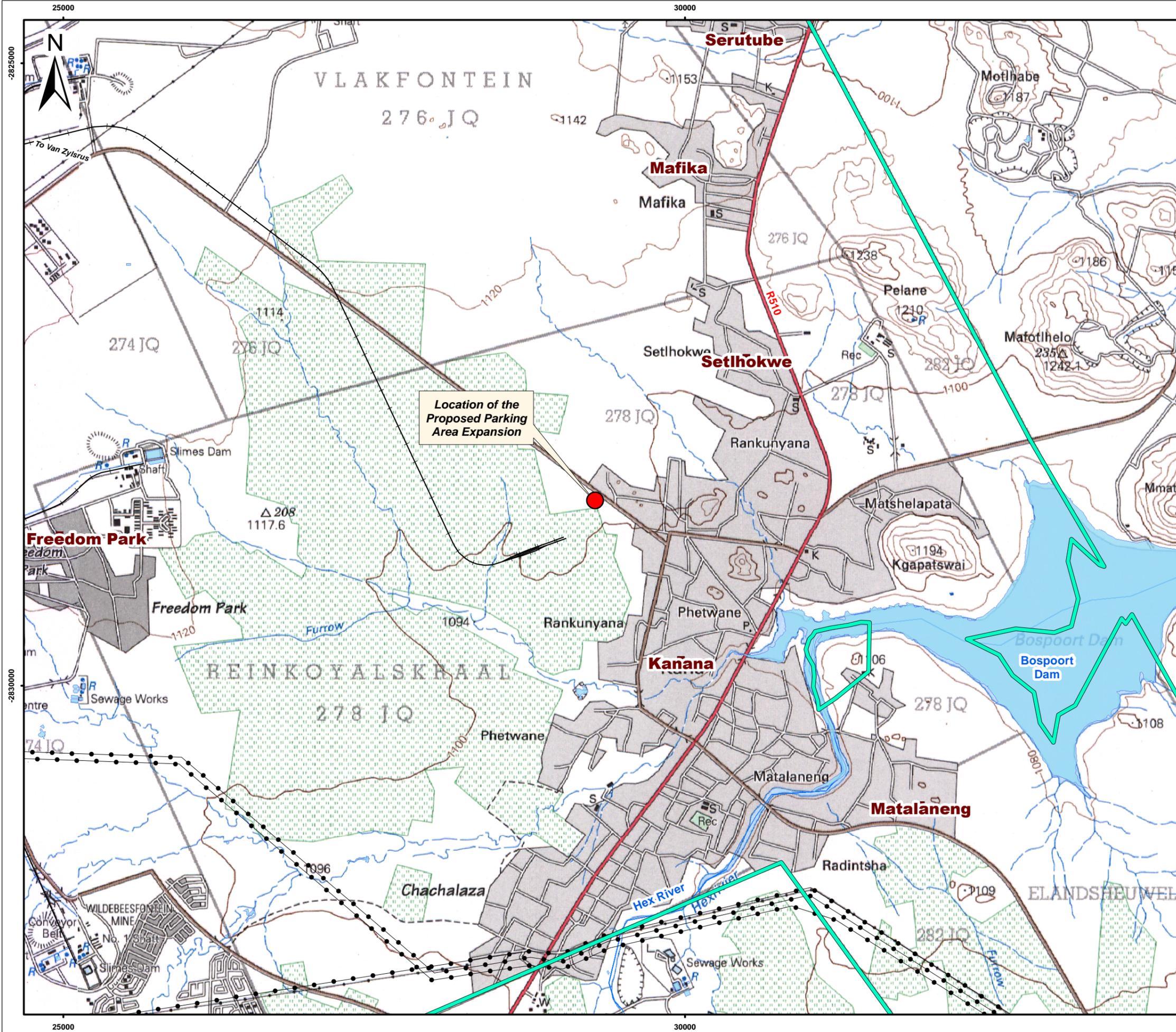
Due to COVID-19 restrictions, online and digital platforms will be utilised to engage with I&APs.

HOW TO RESPOND:

Responses to this document can be submitted by means of the attached comments sheet and/or through communication with the person listed below.

WHO TO CONTACT:

Rizqah Baker
Email: (011) 467 0945 and/or
Tel: rbaker@slrconsulting.com



- Legend**
- Towns / Villages
 - Main Roads
 - Power Line
 - +— Railway Line
 - Rivers
 - Dams
 - Impala Surface Use Area

0 0.5 1 Kilometers
 Scale: 1:30 000 @ A3
 Projection: Transverse Mercator
 Datum: Hartbeeshoek, Lo 27

Impala Platinum Limited

Figure 1
Local Setting

SLR
 SLR Consulting (Africa) (Pty) Ltd
 P O Box 1596, Cramerview, 2060, South Africa
 Tel: +27 (11) 467-0945 Fax: +27 (11) 467-0978

OVERVIEW OF EXISTING OPERATIONS

Impala currently operates the Shaft 16 Complex comprising of a vertical man/material and rock hoisting shaft (main shaft), an upcast ventilation shaft, a WRD, run of mine stockpiles and various ancillary support services, including an office complex, stores and parking areas.

The current parking area is located within the boundary of the Shaft 16 Complex and consists of 919 covered parking bays. The existing parking area accommodates the current labour force at the Complex of 6 430 employees and has provision for 14% of the current labour force.

OVERVIEW OF PROPOSED PROJECT

Impala is proposing to expand the existing parking area by 672 additional covered parking bays. The proposed expansion will be undertaken within Impala's Mining Right (MR) boundary, but outside of the current boundary of the Shaft 16 Complex and will cover an area of approximately 2.5 ha. The proposed project layout is provided in Figure 2.

The scope of work for the expansion of the parking area includes, but is not limited to, the following:

- Excavation and terracing for foundation in accordance with the approved civil/structural engineering drawings;
- Concrete works and quality management plans;
- Structural steelwork and roof sheeting; and
- Plumbing, electrical and external works including perimeter palisade fencing, storm water drainage, lighting masts, security and access control.

The duration of the construction phase of the proposed project is anticipated to be approximately 12 months. A staff complement of approximately 45 individuals would be required for the construction phase, hereby providing skilled and unskilled job opportunities. Procurement opportunities would be sourced locally, as far as possible.

PROJECT MOTIVATION

The current build-up to steady state at Impala's Shaft 16 Complex entails the growth of the labour force from 6 430 to 6 930 staff. In this regard, and as part of its on-going mine planning, Impala has identified the need for additional parking bays on site to accommodate the increasing number of employees coming to the Shaft 16 Complex with their own vehicles.

In addition, the proposed expansion of the parking area aims to improve health, safety and security for Impala's employees, through the provision of safe, secure and covered parking bays.

PROJECT ALTERNATIVES

- **Location:** The locality of the proposed parking area has been determined due to the need to be in close proximity to the Shaft 16 Complex, as well as being near the main access road.
- **Design:** Design alternatives entailed the reconfiguration of the parking area layout. In this regard, the underground Magalies water pipeline and the existing powerline on site were avoided.



Figure 2: Proposed Project Layout

BIOPHYSICAL BASELINE OVERVIEW

- **Geology:** Impala is situated in the Bushveld Igneous Complex (BIC) of the Rustenburg Layered Suite (RLS).
- **Climate:** The proposed project area falls within the Highveld Climatic Zone, characterised by rainy seasons with heavy thunderstorms and high evaporation rates with generally mild temperatures.
- **Topography:** The proposed project area comprises of a relatively flat area.
- **Soils and land capability:** Soil forms found within the proposed project area are predominantly highly structured, relatively shallow soils with a high clay content.
- **Biodiversity:** The proposed project area is located within the Marikana Thornveld vegetation type which is characterised by undulating plains and lowland hills. The proposed project area does not fall within any Critical Biodiversity Areas or Ecological Support Areas.
- **Surface water:** The area surrounding the proposed project is drained by the Quaternary Catchment A22H which falls within the Limpopo A drainage region. There are no watercourses within the proposed project area, however, a stormwater drainage culvert, to the west of Phase 1, runs beneath the main access road for stormwater management. No wetlands were identified within the proposed project areas.
- **Groundwater:** The majority of third-party boreholes surrounding the proposed project area and within the Impala surface use area are used for groundwater monitoring purposes, while some are used for domestic, irrigation or livestock watering. Groundwater for domestic use is, however, generally limited because communities within the area have access to reticulated water supply.
- **Air quality:** Impala is located in a region with elevated ambient air pollution as a result of neighbouring mines, industrial plants, household fuel combustion and vehicle tailpipe emissions. Air quality within the project area is influenced by operations at the Shaft 16 Complex such as materials handling at the WRD and from vehicle tailpipe emissions.
- **Noise:** Noise levels in the greater area are influenced by mining operations and localised traffic. Noise levels in the proposed project area are mainly as a result of localised traffic and operations at the Shaft 16 Complex.
- **Visual:** The landscape character of the greater area is defined by gentle undulating plains, koppies, communities and mining infrastructure. An overhead powerline runs through the proposed project area. The scenic value is considered to be low.

CULTURAL BASELINE OVERVIEW

- **Heritage/cultural resources:** The area is located within the Central Bakenveld which is associated with a rich and diverse range of heritage resources including stone age and late iron age sites.
- **Palaeontological resources:** The area is underlain by the BIC of the RLS and no palaeontological resources are associated with this underlying geology.

SOCIO-ECONOMIC BASELINE OVERVIEW

- **Socio-economic:** The general area is characterised by a high level of unemployment with the mining sector accounting for the most jobs. The existing situation indicates that there is a measure of inward migration with the resultant pressure on basic infrastructure and services.
- **Land use:** In general, the broader Impala MR area is a mixture of agriculture, communities, mining activities and wilderness. The community of Kanana and the Shaft 16 Complex are adjacent to the proposed project area.

POTENTIAL BIOPHYSICAL, CULTURAL AND SOCIO-ECONOMIC IMPACTS

Given the nature of the proposed project, impacts are expected to be limited to:

- Terrestrial Biodiversity; and
- Cultural/heritage resources.

In this regard, specialist studies to assess the impact of the proposed project on terrestrial biodiversity and cultural/heritage resources would be undertaken as part of the environmental assessment process.

The proposed project is anticipated to have a negligible impact on the following; however, qualitative assessments would be undertaken as part of the environmental assessment process:

- Soils and land capability;
- Surface water;
- Air quality;
- Noise;
- Visual
- Socio-economic; and
- Land use.

ENVIRONMENTAL AUTHORISATION AND PUBLIC PARTICIPATION PROCESS

ENVIRONMENTAL AUTHORISATION PROCESS

The environmental assessment process provides information pertaining to procedural components and the environment in which it is being undertaken. It identifies and assesses, in consultation with I&APs, the negative and positive biophysical, cultural and socio-economic impacts (**Key I&AP input stages are indicated in blue text below**). The environmental assessment process also reports on management measures required to mitigate impacts to an acceptable level and incorporates requirements for monitoring programmes (where required). The process steps and estimated timeframes are provided below.

PHASE I – Pre-application Phase (April - August 2021)

- Pre-application meeting to determine the competent authority (DMRE & Department of Economic Development, Environment, Conservation and Tourism (DEDECT)).
- Identification of I&APs and related update of the project database.
- **Focused meetings with key I&APs.**
- **Notification of I&APs of the project (via newspaper advertisements, site notices, flyers and this document).**

PHASE II – BAR Phase (September - November 2021)

- Submission of NEMA application to the competent authority.
- Compilation of BAR and Non-Technical Summary (NTS).
- **Feedback focussed meeting with key I&APs.**
- Erection of posters and distribution of flyers in communities to notify I&APs of the key findings of the environmental assessment and to notify them of the availability of the report for public review. **Distribution of BAR and NTS to I&APs (30-day review period).**
- Update of the BAR with comments received during public review period.

PHASE III – Competent authority review Phase (November 2021 – April 2022)

- Submission of BAR to the competent authority for decision-making (107-day decision-making period).
- Circulation of decision to I&APs.

PUBLIC PARTICIPATION PROCESS

The purpose of the public participation process is to notify I&APs of the proposed project and to provide them with the opportunity to raise issues or concerns regarding the proposed project. The public participation process will be undertaken in accordance with the requirements of Chapter 6 of the EIA Regulations (GNR 982 of 4 December 2014, as amended).

Due to COVID-19 restrictions, online and digital platforms will be utilised to engage with I&APs. These platforms will include a combination of email, WhatsApp, SMS, posters, and access to SLR's data-free website where reports can be accessed. The I&APs identified for the proposed project involved in the environmental authorisation process are listed below:

I&APs INVOLVED IN THE ENVIRONMENTAL ASSESSMENT PROCESS

LANDOWNERS, LAND USERS AND OTHER I&APs

- Surrounding landowners, land users and community forums;
- Non-government organisations and associations;
- Surrounding mines and industries; and
- Parastatals.

COMPETENT AUTHORITY

- North West DMRE.

COMMENTING AUTHORITIES

- Department of Forestry, Fisheries and Environment;
- Department of Water and Sanitation;
- North West Department of Agriculture;
- North West Department of Rural Development and Land Reform – inclusive of the Land Claims Commissioner;
- North west Department of Roads and Public Works;
- North West Department of Rural, Environment and Agricultural Development;
- North West Parks and Tourism Board; and
- South African Heritage Resources Agency.

LOCAL AUTHORITIES AND TRADITIONAL LEADERS

- Rustenburg Local Municipality (including applicable ward councillor);
- Bojanala Platinum District Municipality;
- Royal Bafokeng Administration/Royal Bafokeng Nation; and
- Community Mine Leadership and Engagement Forum.

Please let us know if there are any additional parties that should be involved.

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JUNE 2021

DATE		TIME			
PARTICULARS OF THE INTERESTED AND AFFECTED PARTY					
NAME					
INTEREST IN THE PROPOSED PROJECT					
POSTAL / STREET ADDRESS					
		POSTAL CODE			
WORK/ DAY TELEPHONE NUMBER		WORK/ DAY FAX NUMBER			
CELL PHONE NUMBER		E-MAIL ADDRESS			
PLEASE REGISTER ME AS AN INTERESTED & AFFECTED PARTY (I&AP) SO THAT I MAY RECEIVE FURTHER INFORMATION AND NOTIFICATIONS DURING THE ENVIRONMENTAL IMPACT ASSESSMENT PROCESS			<table border="1"> <tr> <td align="center">YES</td> <td align="center">NO</td> </tr> </table>	YES	NO
YES	NO				
HOW WOULD YOU LIKE TO RECEIVE YOUR NOTIFICATIONS?			E-MAIL		
			REGISTERED MAIL (POST)		

PLEASE WRITE YOUR COMMENTS AND QUESTIONS HERE (please use separate sheets if you wish)

PLEASE INCLUDE THE FOLLOWING OF MY COLLEAGUES/FRIENDS/NEIGHBOURS AS I&APS FOR THIS PROJECT:

Please return completed forms to:
 Rizqah Baker
 SLR Consulting (Africa) (Pty) Ltd
 Tel: (011) 467 0945
 Email: rbaker@slrconsulting.com

THANK YOU FOR YOUR CONTRIBUTION!!!