

BACKGROUND INFORMATION DOCUMENT
ENVIRONMENTAL AUTHORISATION AND WATER USE LICENCE
APPLICATION FOR THE PROPOSED GLENCORE WATERVAL MINE
EMPR AMENDMENT TO INCLUDE THE PROPOSED UG1 OPENCAST
PROJECT, NORTH WEST PROVINCE



INTRODUCTION AND BACKGROUND

Glencore Operations South Africa (Pty) Ltd (Glencore) is the owner of the Waterval Mine located approximately 3 km east of Rustenburg in the North-West Province. The primary mineral mined at Waterval Mine is chromite. Glencore proposes to amend their approved 2021 Consolidated Environmental Management Programme (EMPr) to include the UG1 opencast project, as well as Prospecting Right Area 2060 into their existing mining right area. The proposed UG1 opencast project is located on the remaining extent of Portion 82 of the farm Waterval 306 JQ.

PURPOSE OF THIS DOCUMENT

This Background Information Document (BID) provides Interested and Affected Parties (I&APs) with information about the proposed project, the regulatory processes and how to become involved in this process.

Alta van Dyk Environmental Consultants cc (AVDE) has been appointed as the Environmental Assessment Practitioner for this project to undertake the environmental related authorisations and associated public participation process.

You are invited to register as an I&AP for this project and to comment or raise any issues of concern. To register for the proposed project and receive additional notifications, please complete the enclosed registration form, and send to:

Tyla Smith
Alta van Dyk Environmental Consultants cc (AVDE)
Email: tyla@avde.co.za
Tel: 012 940 9457; Fax: 086 634 3967
Postal address: Private Bag X 1007, Lyttelton, 0140

LOCATION OF THE PROPOSED PROJECT

Glencore Waterval Mine is located approximately 3 km east of the town of Rustenburg in the North-West Province on various portions and holdings of the farm Waterval 306 JQ. This project is located within the Rustenburg Local Municipality, within the jurisdiction of the Bojanala District Municipality.

The project location is indicated in Figure 1 overleaf.

UG1 OPENCAST PROJECT DESCRIPTION

The proposed UG1 opencast project will include the opencast mining of the chromite layer on the remaining extent of Portion 82 of the farm Waterval 306 JQ. There is approximately 3 million tons of the UG1 chromite layer that can potentially be mined using opencast mining methods. The project will take place in three phases: The proposed schedule for the respective phases are as follows:

- Construction Phase = ~Two months
- Operational Phase = ~3 years
- Decommissioning and Closure Phase = ~6 – 12 months

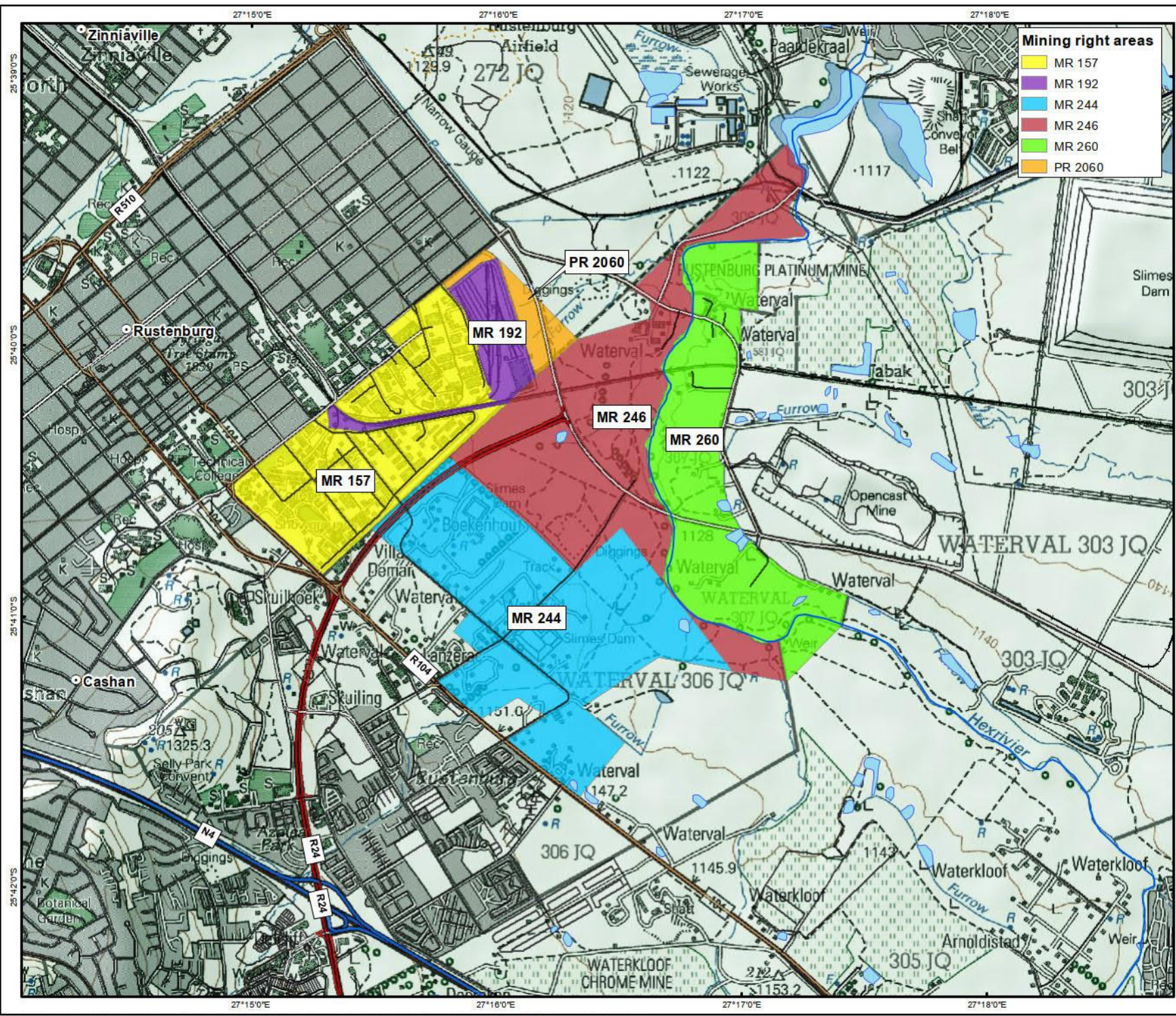
The proposed opencast activities will include the development of a boxcut and opencast areas on either side of the boxcut (total area of ~12ha). Drill and blast and free digging mining methods will be utilised. Overburden material will be stockpiled adjacent to the pit in two stockpiles. Ore will be transported via a dedicated haul road of approximately 1 km long to the existing Waterval West Plant for processing.

The UG1 opencast project will require the following new surface infrastructure:

- Access road and internal roads
- Haul road
- New substation and 11kV overhead powerline
- Offices and change houses
- Parking area
- Laydown area
- Topsoil stockpile
- Overburden stockpile
- Run of Mine/Muck stockpile
- Pollution control dam
- Pollution water trench

It is the intention of Glencore to utilise the rollover method during the opencast mining activities, and therefore concurrent rehabilitation will take place.

The proposed layout plan is indicated in Figure 2

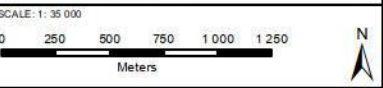


Mining right areas

- MR 157
- MR 192
- MR 244
- MR 246
- MR 260
- PR 2060

Legend

- Towns
- Buildings/Ruins
- Motorway
- Primary Road
- Secondary Road
- Tertiary Road
- Street/Road
- Track
- Railway
- Contours
- Cadastral Farms
- Vlei
- Built up Areas
- Cultivated Lands
- Open Areas
- Water Bodies



TITLE:

Figure 1: Mining right areas for Waterval Mine

CLIENT:

GLENCORE

DATE: June 2022 PROJECT: WATerval_MINE

DRAWN: THURLLOW MAPPING APPROVED: SVR

MAP: Mining_Right_Areas_Rev1.mxd REV: 0

Alta van Dyk Environmental Consultants cc (2011/059764/23)

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Projection: Transverse Mercator CM: 27 Datum: WGS 84
 Source: Chief Directorate National Geo-Spatial Information, 25/2/08, 2010_ED5_NM_GEO.IF.2527CA_2010_ED5_NM_GEO.IF.DWA - NGA Geosites Inset, ESRI Data and Maps

SIZE: A4

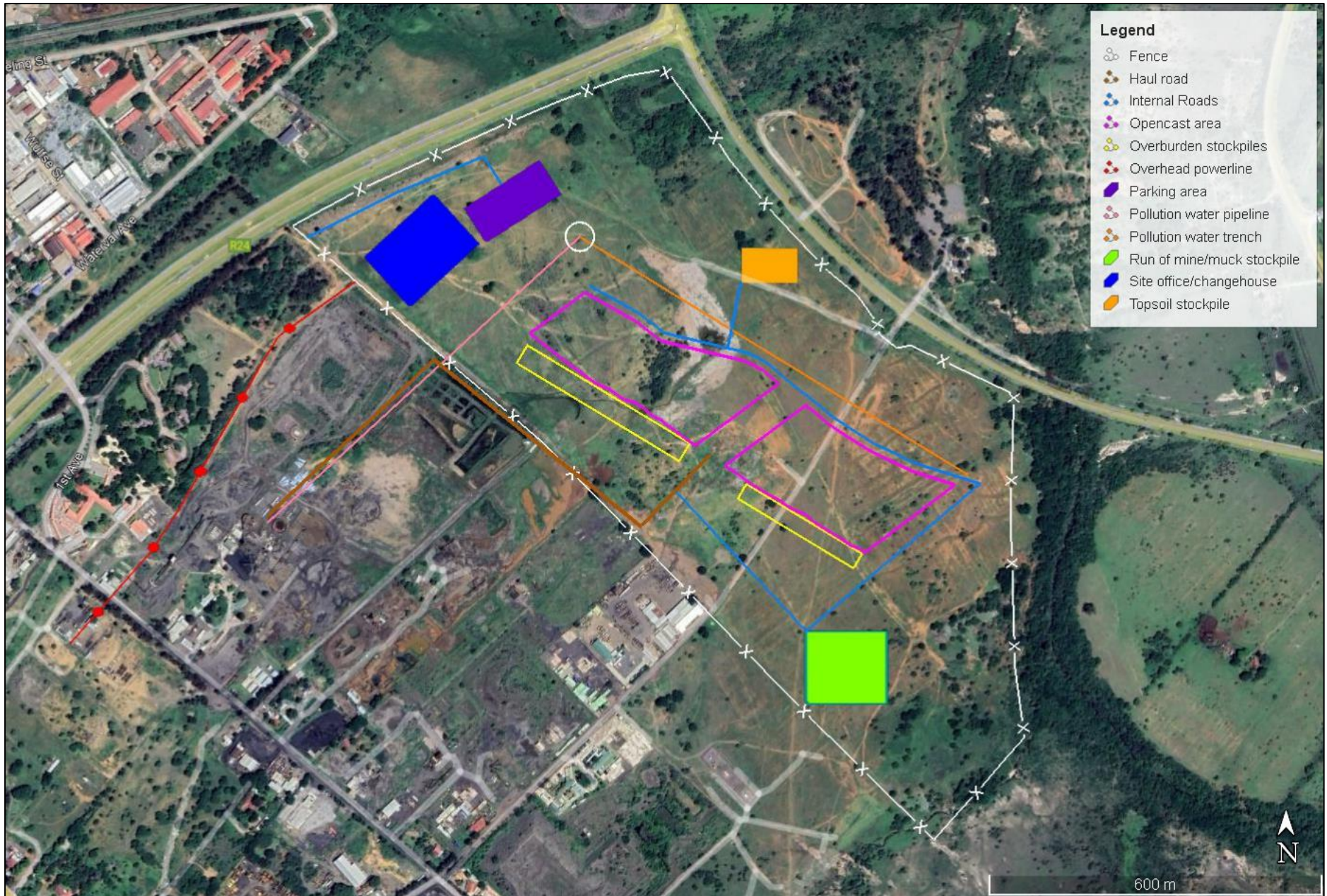


Figure 2: Proposed Layout for the UG1 Opencast project

A number of specialist studies are being undertaken in support of the environmental authorisation application. These studies will establish the status quo of the current environment, identify possible impacts from the proposed project as well as provide suitable mitigation measures to manage the potential impacts. The following specialist studies will be undertaken:

- Terrestrial Biodiversity Assessment
- Wetland Assessment
- Surface Water Assessment
- Groundwater Assessment
- Air Quality Assessment
- Heritage Assessment
- Blasting Assessment
- Noise Assessment
- Visual Impact Assessment
- Mine Closure Plan and Financial Provision

LEGISLATIVE REQUIREMENTS

Before Waterval Mine may commence with the development of the proposed UG1 opencast project, the following environmental authorisations are required:

- A Scoping and Environmental Impact Reporting process in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA) and the Environmental Impact Assessment (EIA) Regulations. The competent authority for this process is the North West Department of Minerals and Energy (DMRE).
- Approval in terms of the National Environmental Management: Waste Act (Act No. 59 of 2008) (NEM:WA) (combined application in terms of NEMA and NEM:WA to be submitted to the DMRE).
- A Water Use Licence Application (WULA) in terms of the National Water Act (Act 36 of 1998). The competent authority for this process is the Department of Water and Sanitation (DWS).

The environmental related authorisation processes are running concurrently and require the involvement of stakeholders. Therefore, a single integrated stakeholder engagement process will be undertaken in compliance with the above-mentioned legislation. The environmental authorisation process is illustrated in Figure 3, and the Water Use Licence Application process in Figure 4.

The Scoping and Environmental Reporting process has two main phases: A Scoping Phase and Impact Assessment Phase.

The Scoping Phase aims to identify significant environmental related issues as well as determine the scope of the subsequent Impact Assessment Phase. During the Scoping Phase, a Draft Scoping Report will be made available for public comment for a period of 30 days.

During the Impact Assessment Phase, specialist studies are undertaken to determine the potential impacts of the proposed project on the biophysical and social environment and aims to address the impacts by providing mitigation measures to lessen the impact or to avoid potential impacts all together. During this phase, a Draft Environmental Impact Assessment and Environmental Management Programme report will be made available for public comment for a period of 30 days.

ENVIRONMENTAL AUTHORISATION PROCESS

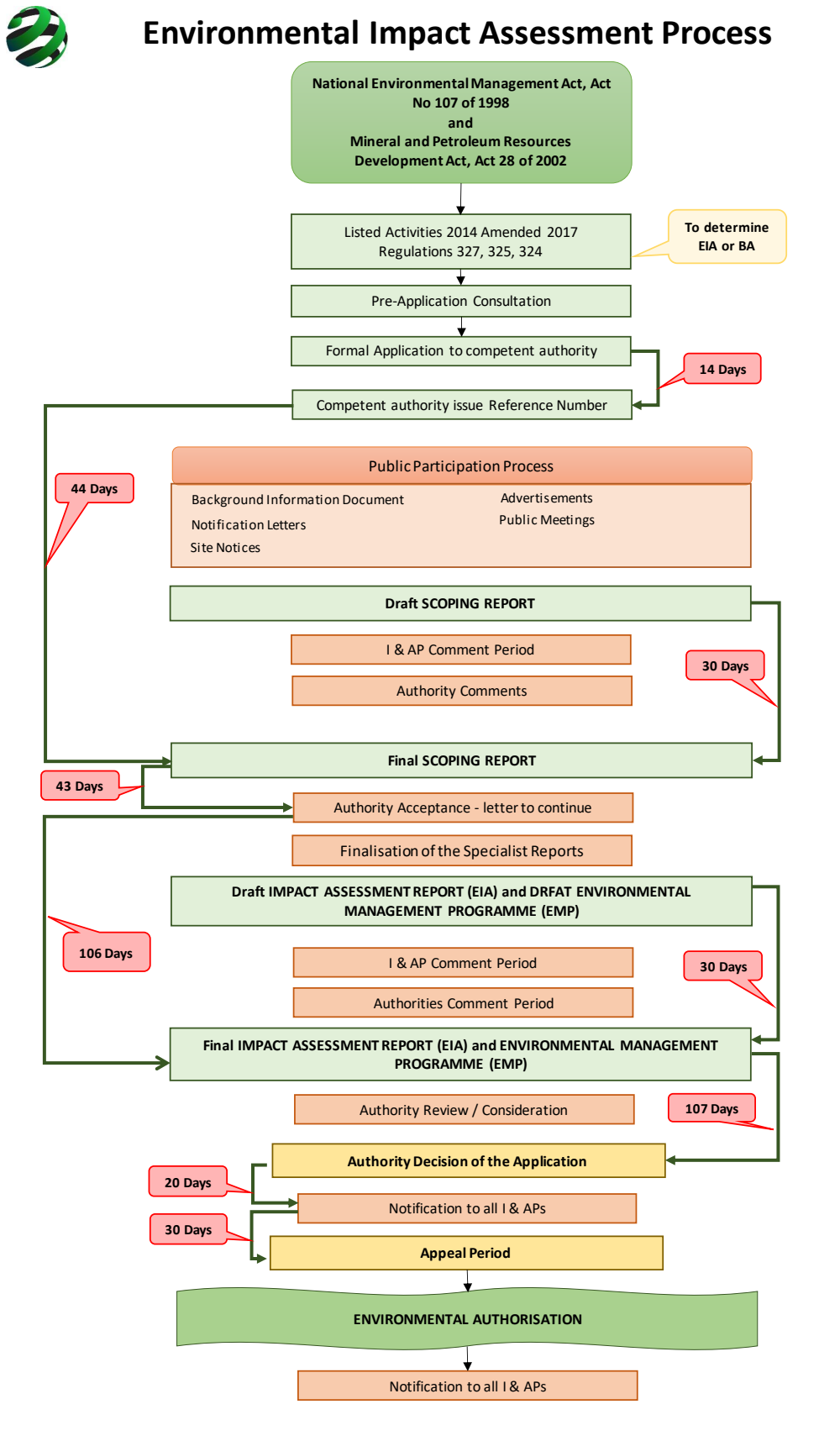


Figure 3: The Scoping and Environmental Impact Reporting process

WATER USE LICENCE APPLICATION PROCESS



Water Use Licence / General Authorisation Application Process - e-WULAAS

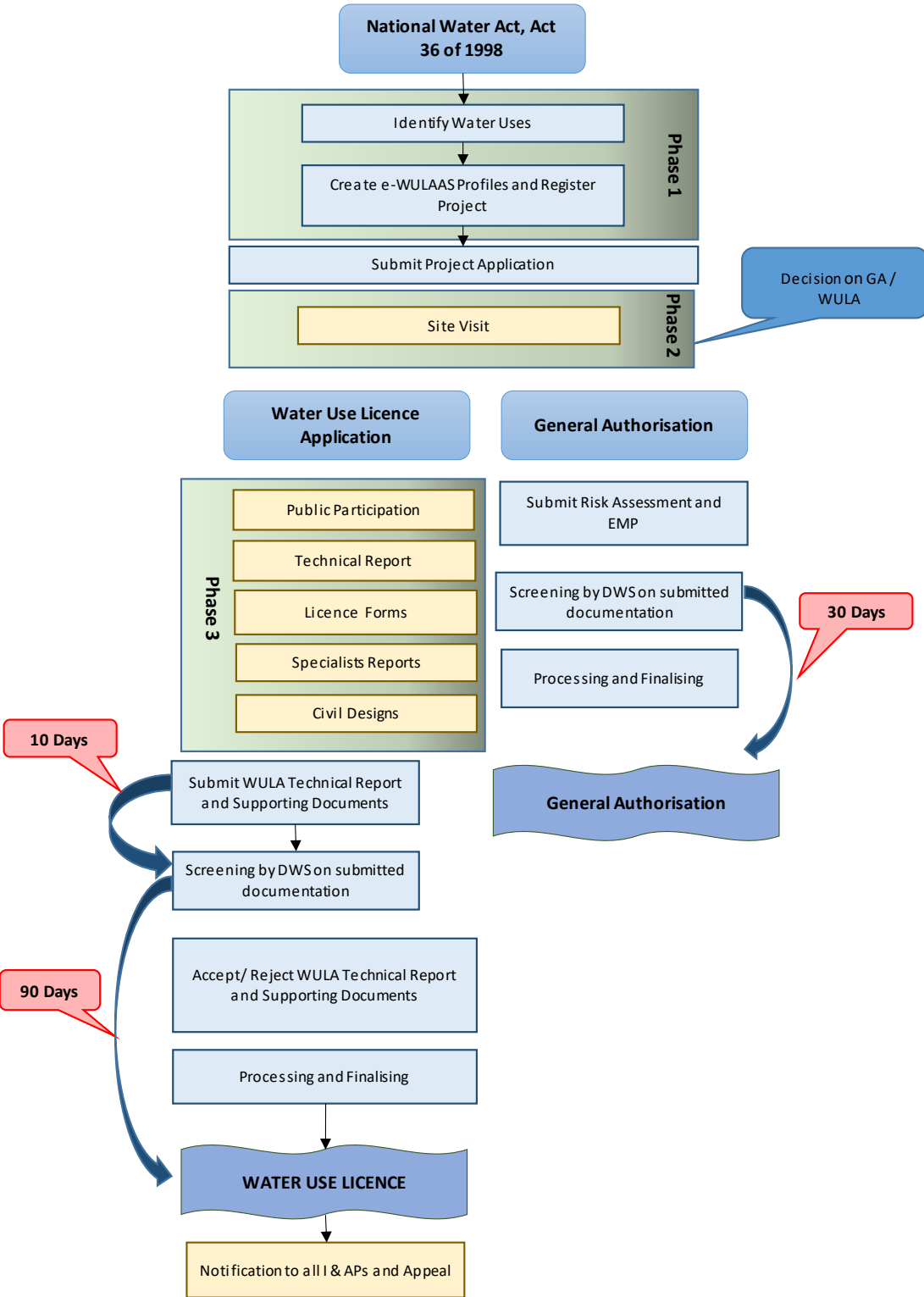


Figure 4: Water Use Licence Application Process

YOUR COMMENT IS IMPORTANT

Your comments and suggestions on any aspect of the proposed project, including the technical and stakeholder engagement processes, will ultimately assist the authorities in their decision-making process. If you wish to receive further notifications and documentation regarding the proposed Waterval UG1 Opencast project, kindly complete the attached registration form, and send to Tyla Smith of Alta van Dyk Environmental Consultants.

Tyla Smith

Alta van Dyk Environmental Consultants cc (AVDE)

Email: tyla@avde.co.za

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REGISTRATION AND COMMENT SHEET

**ENVIRONMENTAL AUTHORISATION AND WATER USE LICENCE
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YOUR CONTACT DETAILS

In terms of Section 11 of the Protection of Personal Information Act (POPIA), all personal information collected will be processed lawfully and explicitly for the Environmental Authorisation and Water Use Licence Application Processes.

Title		First name	
Initials		Surname	
Organisation			
Postal address			Postal code
Landline		Cell	
Fax		email	

COMMENTS (use a separate sheet if you wish to)
