

AGES Gauteng

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For attention: Interested & Affected Party
AGES Reference: Sishen Stormwater Infrastructure
DENC Reference: NC/BA/36/JTG/GAM/SIS/2013
29 November 2013 NCP/EIA/0000254/2013

Dear Sir / Madam

ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED NEW GROUNDWATER DAM, NORTH EASTERN CLEAN WATER CUT OFF BERM AND CANAL AND OTHER STORMWATER MANAGEMENT INFRASTRUCTURE ON SISHEN IRON ORE MINE AT KATHU, NORTHERN CAPE.

You are hereby invited to participate in the Environmental Impact Assessment process in terms of Regulation 54(2) of GNR 543 of 18 June 2010 published under section 24(5) of the National Environmental Management Act (Act no. 107 of 1998).

Sishen Iron Ore Company (SIOC) appointed Africa Geo-Environmental Services Gauteng (Pty) Ltd (AGES Gauteng) as an independent environmental consultancy to facilitate the Basic Assessment (BA) required for the project.

1 PROJECTS DESCRIPTION

The groundwater dam, north eastern clean water cut off berm and canal and other stormwater infrastructure is proposed to be located on the RE of Sacha 468; RE/ Ptn 2 of Sacha 468; RE/ Ptn 1 of Sims 462; RE of Sekgame 461; RE of Sishen 543 and Ptn 1 of Bruce 544 at Kathu, Northern Cape.

This project will include the construction of stormwater management system including the following infrastructure:

- Construction of a clean water dam for the storage of water pumped out during dewatering activities – “Groundwater Dam”. The capacity of the dam will be 180 000 m³. The maximum dam wall height will be 4.8 m including freeboard, and the total surface area at

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TOUCHING AFRICA

AGES Gauteng Directors: Dr JJP Vivier Dr JC Vivier E van Zyl M Grobler

top water level is 5.5 ha.

- Pipelines associated with the Groundwater Storage Dam.
- A clean water cut off berm and canal on the north eastern side of the Sishen Mine.
- G80 western stormwater recovery pipeline
- G80 western stormwater canal extension
- Canal pipeline
- G80 eastern stormwater canal – this is existing and will be lined with concrete
- Stormwater dams and sumps including:
 - G80 western stormwater sump (37 000 m³, and temporary storage up to 58 000 m³)
 - Main pollution control dam – north (38 000 m³)
 - Main D2 Pollution control dam (20 700m³, temporary storage up to 44 700m³)
 - D3 Pollution control dam (8 700m³)
 - Aldag Pollution control dam (4 000m³)

The following activities listed in GNR 544 and 546 of 18 June 2010 are applicable to this proposed project and require an environmental authorisation: GNR 544: item 9, 12 and 37. GNR 546: item 14.

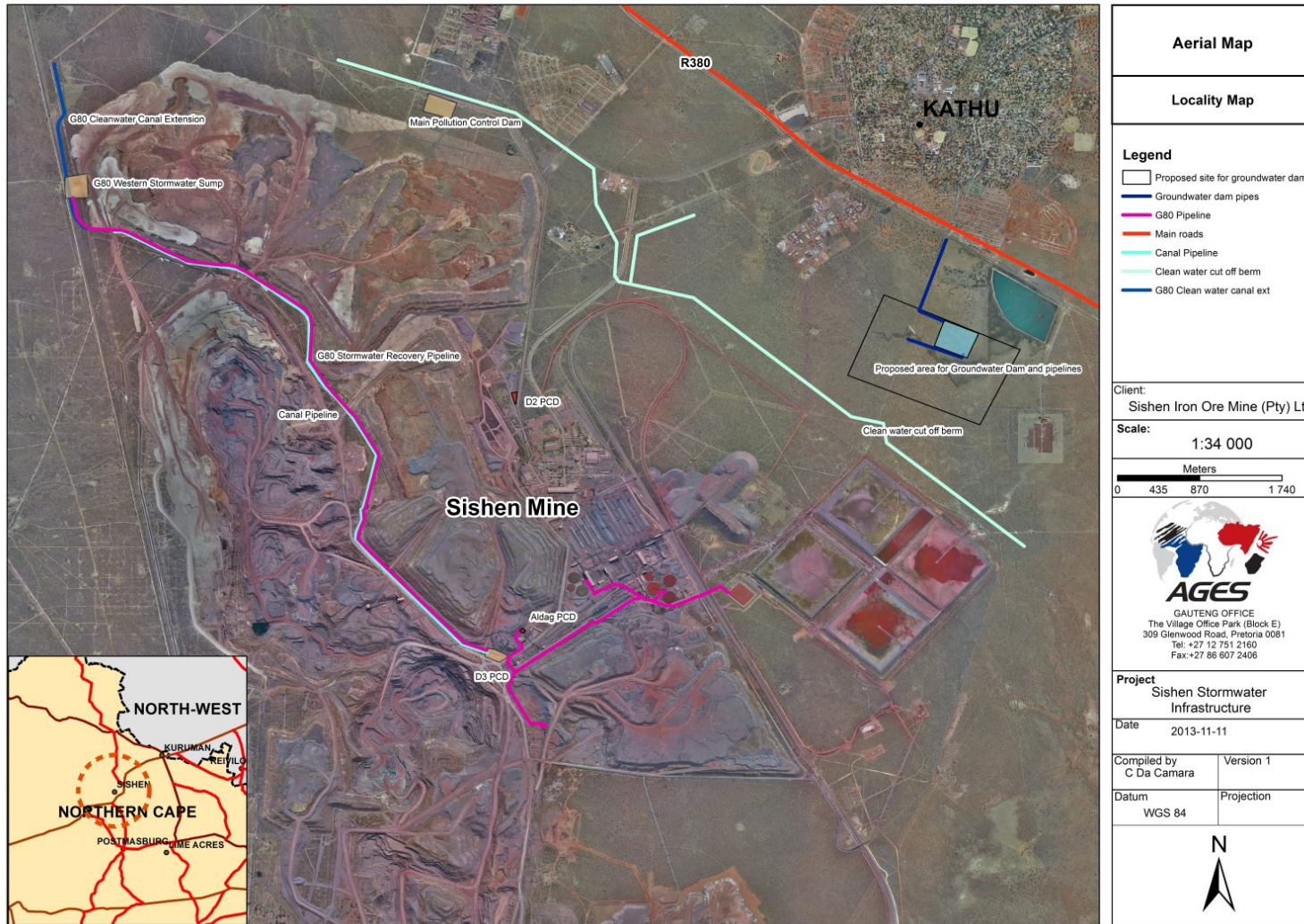


Figure 1: Proposed stormwater infrastructure locality map

2 AUTHORISATION PROCESSES REQUIRED

An application for the amendment of the Sishen Mine's approved Environmental Management Programme (EMPR) under Section 102 of the Mineral and Petroleum Resource Development Act (Act no. 28 of 2002) (MPRDA) will be done. In addition, the following authorizations will be required:

Environmental Authorisation: An Environmental Impact Assessment in terms of the National Environmental Management Act (Act no. 107 of 1998) (NEMA) read with the Environmental Impact Assessment Regulations, 2010 (GNR 543 of 2 August 2010) is required. The application was submitted to the Northern Cape Department of Environment and Nature Conservation (DENC). The proposed Stormwater Management Infrastructure will require a Basic Assessment Process.

Amendment of the Water Use Licence: An application for amendment of the Integrated Water Use Licence (IWUL) in terms of section 40 and 41(4) of the National Water Act (Act 36 of 1998) will be submitted to the Department of Water Affairs (DWA).

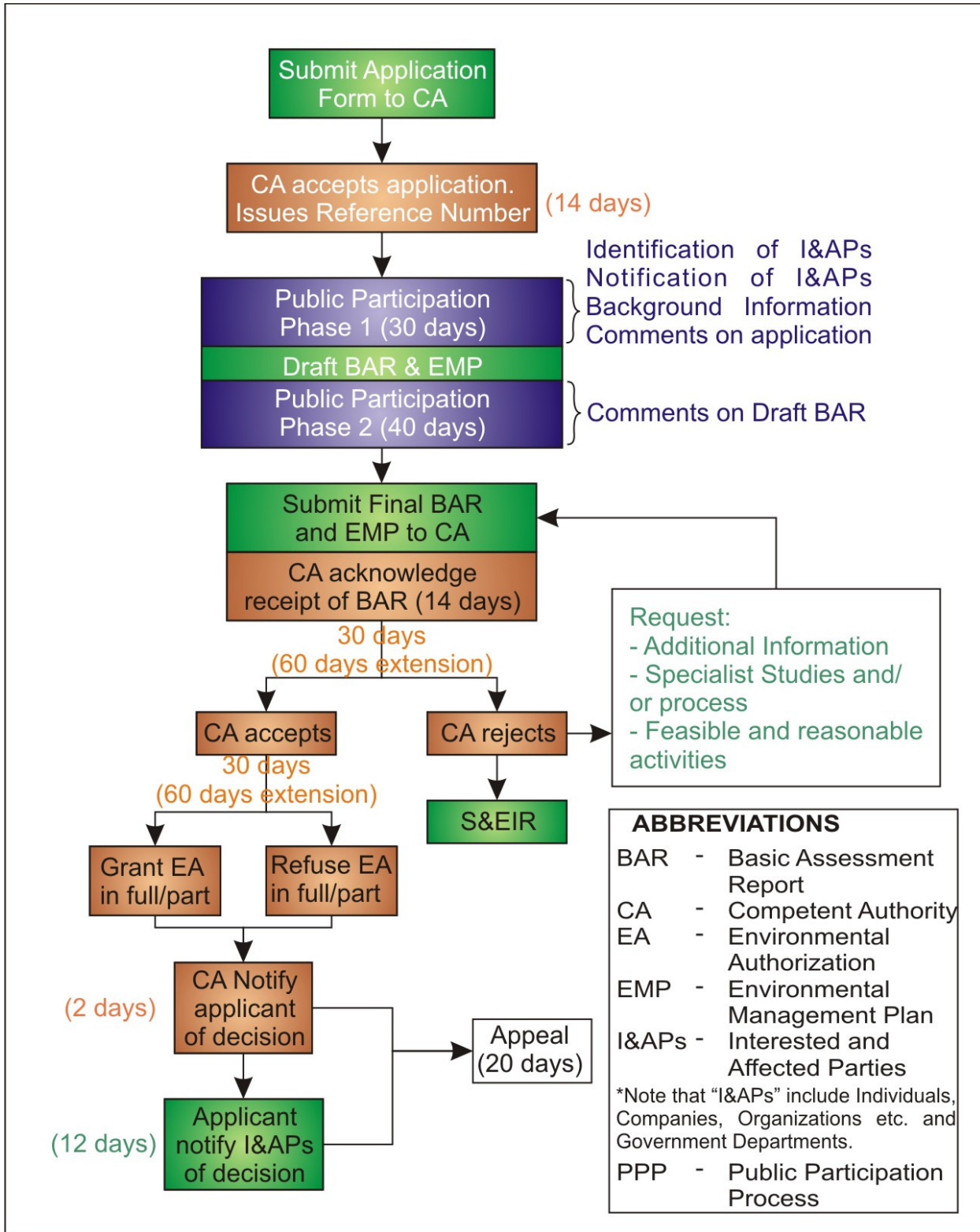
3 POSSIBLE ENVIRONMENTAL IMPACTS

The following studies are being undertaken as part of the Environmental Authorisation processes. Should any additional studies be required after the public participation phase it will form part of the Basic Assessment Process.

- Ecological impact
- Heritage impact

4 PROCESS FLOW DIAGRAMS

Basic Assessment (Stormwater Management Infrastructure):



5 HOW TO BECOME INVOLVED

In order to ensure that you are identified as an interested or affected party (IA&P,) or if you require further information in respect of the application and/or activities, please submit your name, contact information, interest and relevant issues on the matter in writing by **20 January 2014** to:

Attention: Catherine da Camara

Postal Address: AGES Gauteng, Postnet suite 74, Private Bag X07, Arcadia, 0007.

Telephone: (012) 751 2160

Fax: 086 607 2406.

Email: cdacamara@ages-group.com

Reference: Sishen Stormwater Infrastructure

You are welcome to use the attached registration form:

REGISTRATION FORM ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED NEW GROUNDWATER DAM, NORTH EASTERN CLEAN WATER CUT OFF BERM AND CANAL AND OTHER STORMWATER MANAGEMENT INFRASTRUCTURE ON SISHEN IRON ORE MINE AT KATHU, NORTHERN CAPE.			
DENC REF: NC/BA/36/JTG/GAM/SIS/2013 NCP/EIA/0000254/2013		AGES REF: Sishen Stormwater Infrastructure	
Title:		Tel number (Work):	
First Name:		Tel number (Cell):	
Surname:		Fax number (Work):	
Capacity/Interest		E-mail address:	
Postal/Residential Address			
Comments on the proposed development (You are welcome to use separate sheets)			
1. Environmental Issues:	(such as water, ecology, soil pollution etc.)	2. Socio-economic Issues:	(such as job creation, safety and security)
3. Cultural/Historical Issues:	(such demolition of graves/oldbuildings.)	4. Any other Issues or Comments:	
Please return this registration sheet by no later than the 20th of January 2014 via any of the following communication methods, attention to:			
Mrs Catherine da Camara Fax: 086 607 2406 Tel: 012 751 2160 Email: cdacamara@ages-group.com Post: Postnet 74, Private Bag X07, Arcadia, 0007			
Your comments are highly appreciated and they will form part of the final documentation to be submitted to the decision-making authority.			

