

NATIONAL CULTURAL HISTORY MUSEUM
NASIONALE KULTUURHISTORIESE MUSEUM

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Our Ref/Ons Verw	Your Ref/U Verw	Contact/Kontak	Date/Datum
2007KH095			7 August 2007

Ms K Versfeld
ILISO Consulting (Pty) Ltd
P O Box 68735
HIGHVELD
0169

Dear Ms Verfeld

HERITAGE IMPACT ASSESSMENT: ZEEKOEKAT WASTE WATER TREATMENT PLANT

As requested, we have investigated the site for the proposed expansion of the Waste Water Treatment Plant on the farm Zeekoegat 296JR in the Wonderboom municipal district of Gauteng. The site is located west on the Roodeplaat Dam, north of Pretoria (Fig. 1). It centres around the following coordinates: S 25.62095 E 28.33196.

The scope of work consisted of conducting a Phase 1 archaeological survey of the site in accordance with the requirements of Section 38(3) of the National Heritage Resources Act (Act 25 of 1999). This included:

- Conducting a desk-top investigation of the area;
- A visit to the proposed development site.

The objectives were to

- Identify possible archaeological, cultural and historic sites within the proposed development areas;
- Evaluate the potential impacts of construction, operation and maintenance of the proposed development on archaeological, cultural and historical resources;
- Recommend mitigation measures to ameliorate any negative impacts on areas of archaeological, cultural or historical importance.

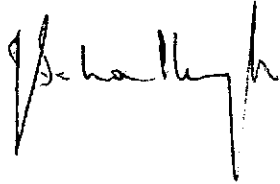
The geology is made up of gabbro and the original vegetation is classified as Clay Thorn Bushveld. No features (e.g. hills, outcrops, streams or rock shelters) that usually drew people to settle in its vicinity, occurs in the study area.

The site was visited on the 3 August 2007 and a number of transects were walked across it. The current facility was built in 1991 and most of the open spaces between to various facilities are used for agricultural activities.

NORTHERN FLAGSHIP INSTITUTION/NOORDELIKE VLAGSKIPINSTELLING
INCORPORATING/GEINKORPOREER
National Cultural History Museum/Nasionale Kultuurhistoriese Museum
Transvaal Museum
National Museum of Military History/Nasionale Museum vir Militere Geskiedenis
Pioneer/Pionier Museum - Kruger Museum - Tswaing Crater/Krater Museum - Sammy Marks Museum -
Willem Prinsloo Agricultural/Landbou Museum

No obvious features, sites or artefacts of cultural significance that could be impacted on by the proposed development were identified. From a heritage point of view we therefore recommend that the proposed development can continue. However, we request that if archaeological sites or graves are exposed during construction work, it should immediately be reported to a museum, preferably one at which an archaeologist is available, so that an investigation and evaluation of the finds can be made.

Yours sincerely

A handwritten signature in black ink, appearing to read 'J van Schalkwyk'. The signature is fluid and cursive, with a prominent vertical stroke on the left side.

J van Schalkwyk
Principal Investigator

F Teichert
Field surveyor

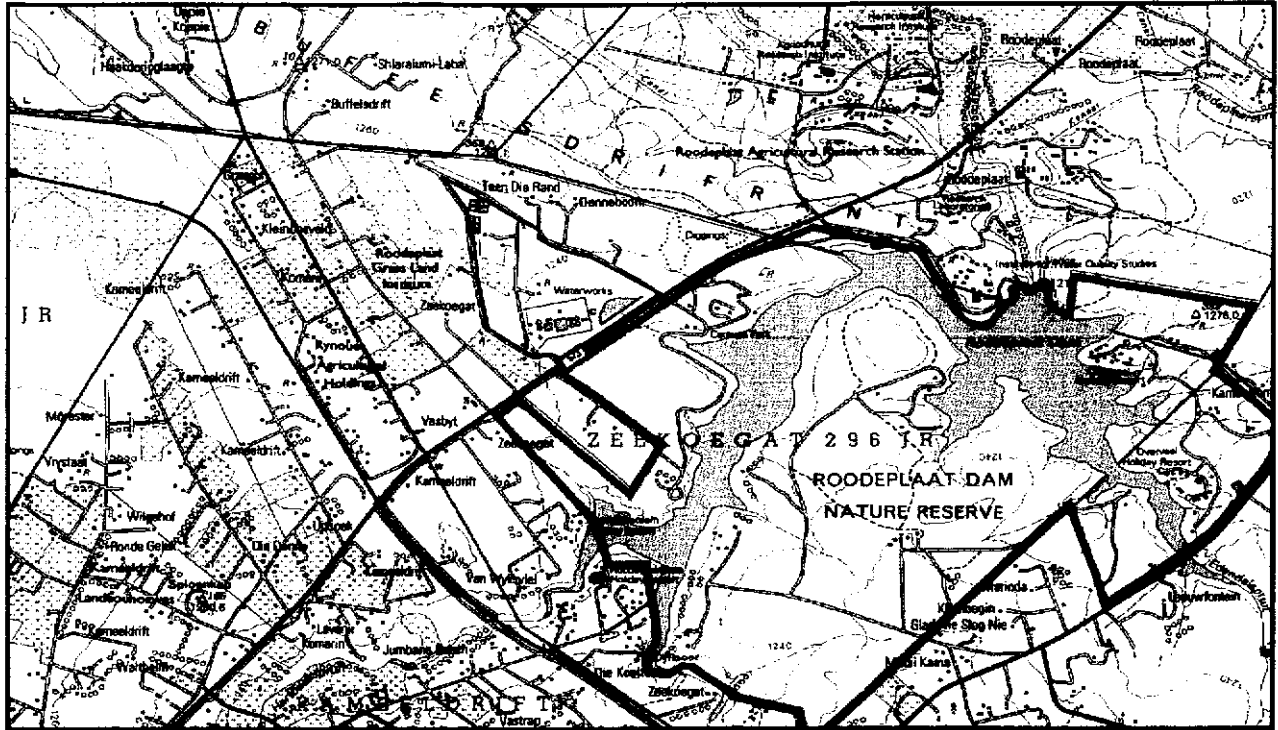


Figure 1. Showing the location of the study area, outlined in red (Map 2528CB: Government Printer).

BACKGROUND INFORMATION DOCUMENT FOR THE ENVIRONMENTAL IMPACT ASSESSMENT AND INTEGRATED WATER USE LICENCE FOR THE PROPOSED UPGRADE AND EXTENSION OF THE ZEEKOEKAT WASTEWATER TREATMENT WORKS.

PURPOSE OF THIS DOCUMENT

This document, the Background Information Document (BID), is intended to provide information about the EIA and IWULA being undertaken for the proposed development and provides:

- An overview of the project, legislative context and a description of the manner in which the Environmental Impact Assessment (EIA) and Integrated Water Use Licence Application (IWULA) will be undertaken;
- Information regarding how Interested and Affected Parties (I&APs) may become involved with the project process; and
- Contact details of the person whom the I&APs can contact to discuss and submit their issues and concerns associated to the project with.

ENVIRONMENTAL ASSESSMENT PRACTITIONER INFORMATION

Environmental Assessment Practitioner:	ILISO Consulting (Pty) Ltd
Contact Person:	Bhavani Daya
Postal Address:	PO Box 68735, Highveld, 0169
Tel: 012 – 665 3602	Fax: 012 – 665 1886
Cell: 083 776 8082	Email: bhavani@iliso.com

PROJECT DESCRIPTION

A feasibility study was undertaken to assess the cost and technical feasibility of the following alternatives: the upgrading and extending of Zeekoegat and/or Rooiwal Wastewater Treatment Works (WwTWs). The specialists decided that the upgrading and extension of the Zeekoegat WwTW is the most feasible option.

As a result of increasing development, which in turn leads to an increase in the discharge of wastewater, the Zeekoegat WwTW is operating above its design capacity of 30 M³/day. In fact, the WwTW routinely receives and treats dry weather flow of 40 M³/day. The City of Tshwane Metropolitan Municipality (CTMM) thus proposes to initiate a plant debottlenecking to increase the capacity of the Zeekoegat WwTW to 45 M³/day. This will ensure that the WwTW is able to

efficiently treat the current inflow of wastewater. In addition, the CTMM proposes to double the capacity of the WwTW to 85 M³/day to meet the future wastewater demands.

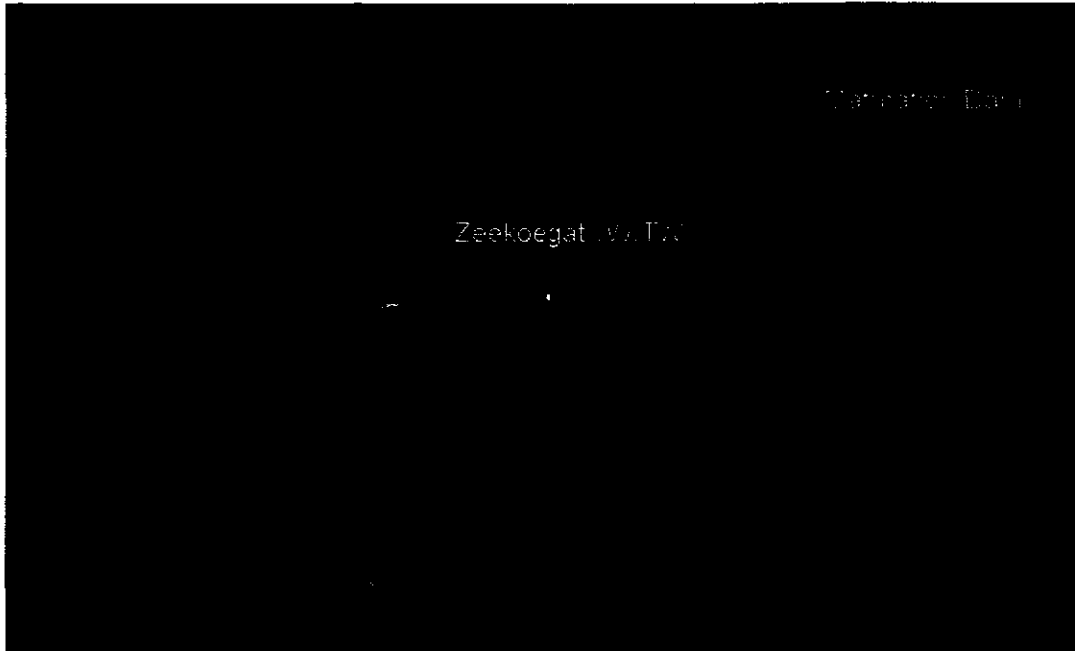


Figure 1: Locality map of the Zeekoegat Wastewater Treatment Work

The proposed activity will be achieved in phases:

- PHASE 1: Debottlenecking (increasing the capacity load to 45 M³/day).
- PHASE 2: Extension of the WwTW to meet the future wastewater demands.

AUTHORISATION BACKGROUND

The upgrading of the Zeekoegat WwTW is a listed activity in terms of Regulation 387 of the National Environmental Management Act, 1998 (Act 107 of 1998)(NEMA). The Applicant is therefore applying for environmental authorisation from the Gauteng Department of Agriculture, Conservation and Environment (GDACE) to commence with the upgrade and extension of the WwTW. An Integrated Water Use Licence Application (IWULA) is also required from the Department of Water Affairs and Forestry (DWA) under Section 40 of the National Water Act (Act 36 of 1998) (NWA).

THE ROLE OF I&APs

It is a legal requirement under the NEMA Regulations and National Water Act that a public participation process forms a part of the Environmental Impact Assessment process. Any party who is affected by or who has an interest in the proposed activity is invited to participate in the identification of issues and concerns.

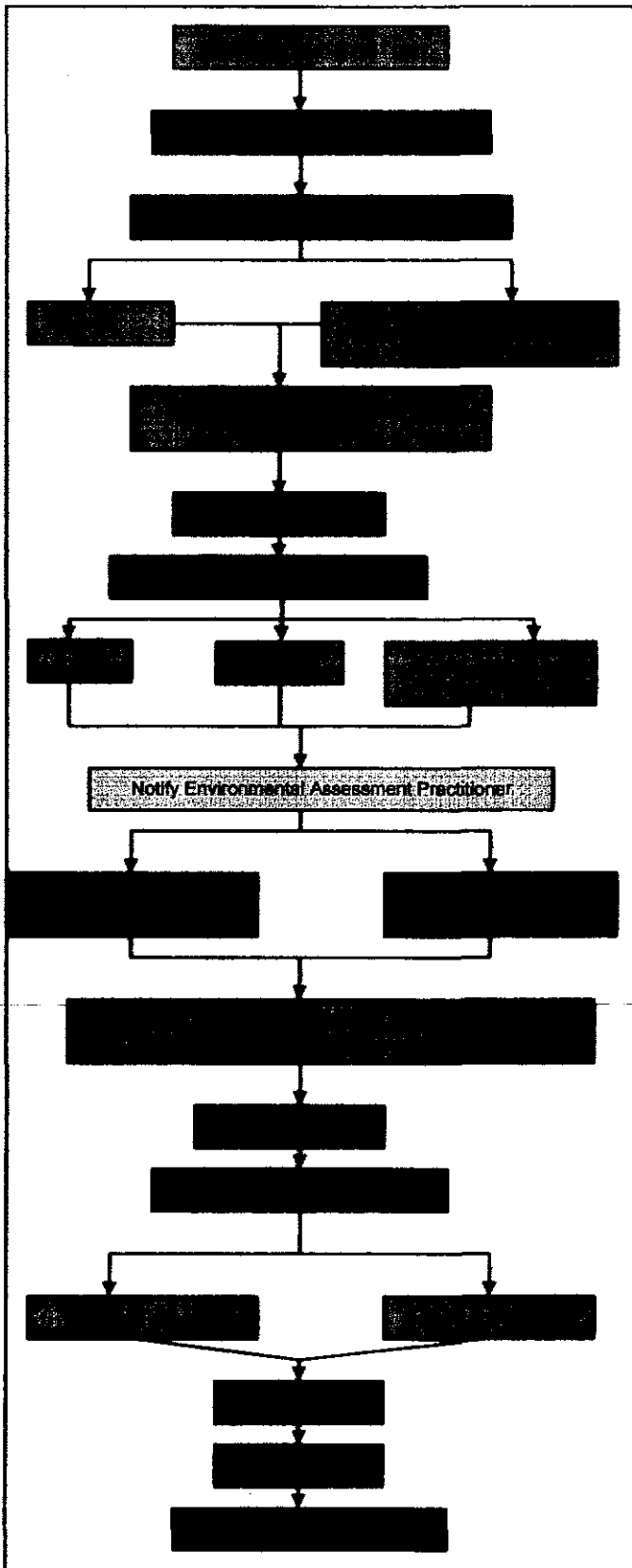
Participation can occur in a number of ways:

- Attendance of the public meetings.
- Register on the database as an I&AP.
- Contact the public participation officer with issues, concerns or for further information.
- Timeously provide the study team with information required in the EIA process.
- Study the documentation which you are provided.

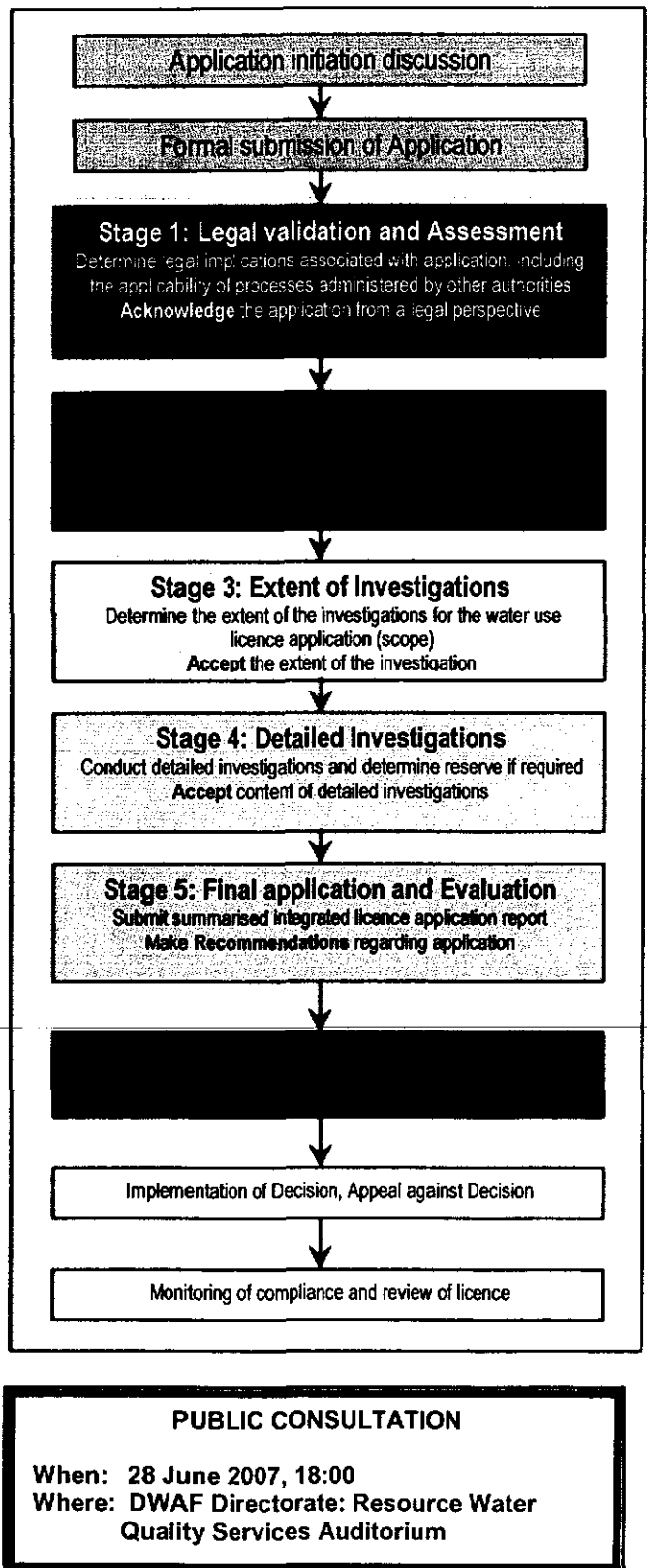
PUBLIC PARTICIPATION OFFICER
ILISO Consulting (Pty) Ltd
 PO Box 68735, Highveld, 0169.

Bhavani Daya
 Tel: 012 – 665 3602
 Fax: 012 – 665 1886
 Email: bhavani@iliso.com

EIA PROCESS



IWULA PROCESS





Environmental Impact Assessment for
Zeekoegat Wastewater Treatment Works
 STAKEHOLDER REGISTRATION FORM
 Invitation to register and comment, June 2007

Please complete and return to ILISO Consulting (Pty) Ltd by 28 June 2007:

PO Box 68735 Highveld 0169

Tel: (012) 665 3602

Fax: (012) 665 1886

E-mail: bhavani@iliso.com

TITLE		FIRST NAME	
INITIALS		SURNAME	
ORGANISATION			
POSTAL ADDRESS			
		POSTAL CODE	
TEL NUMBER		FAX NUMBER	
CELL NUMBER			
E-MAIL			

Yes, I would like to participate in this EIA	<input type="checkbox"/> YES
No, I am not interested	<input type="checkbox"/> NO

COMMENTS: (please use separate sheets if you wish)

1. The following issues must be considered by the EIA:

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2. Please add the following colleagues/friends to your mailing list:

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We thank you for your participation.